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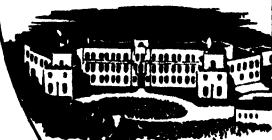
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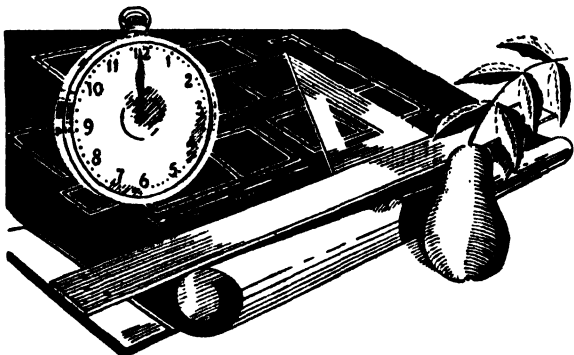
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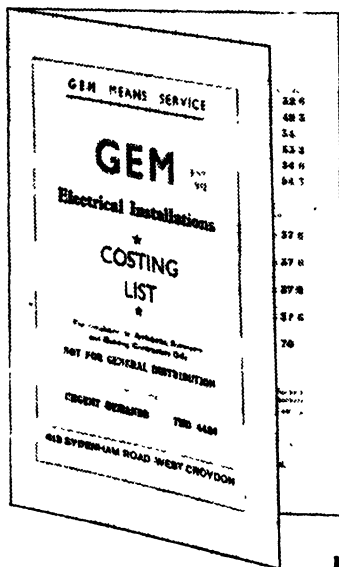


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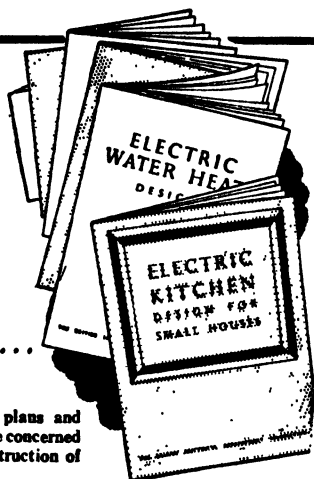
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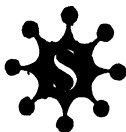
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## PREFACE

WHEN preparing for the new edition, the Editors had the following aims in mind:

- (1) To perfect and polish the last edition, which, as it had involved re-writing the entire book, had been a task impossible to complete satisfactorily within the time allotted.
- (2) To bring the prices and subject matter up to date.
- (3) To consider and incorporate in the book any constructive comment from reviewers and critics.
- (4) To revise the labour and materials constants.

Although perfection can never be achieved, some improvement has been made; prices and other information contained in the previous edition have been brought up to date and the book may be considered as current and valid as at November 1948. To the gratification of the Editors, reviewers were uniformly kind, and, as criticism was notable only for its absence, it had to be assumed that the form of the book, as it appeared in the 74th Edition, was well suited to the average reader's needs.

To the great regret of the Editors, it was found impracticable to complete the revision of the Labour and Materials Constants before the date for going to press. This was largely due to the time required for printing which, under present conditions, only allows a short time between the publication of one edition and the completion of the draft for the next. Rather than reprint, unchanged, the pre-war "Constants", which might have led to confusion as it was the only section unrevised, it was decided to delete it altogether. It should be possible to re-establish this section in the next edition, in a better and up-to-date form.

Letters received have indicated that the reference to a "normal job of average size, in the outer London area" has conveyed a different meaning to different readers. For this reason the present edition has been made more specific and prices are stated to be applicable to a "normal job costing about £40,000 in the outer London area". This should indicate that the job is of sufficient size to attract contractors with a reasonable organization and an acknowledged standing in the industry, and to warrant the subletting of appropriate sections of the work to specialist sub-contractors.

The distinction is important, because the contractor who finds that his prices for certain sections of work are within



a reasonable margin of the published prices, may feel entitled to conclude that the same will be true for all sections, but this is not so. The small contractor can buy many materials at prices which are common to all, but he cannot buy certain goods and equipment so economically as a contractor who is placing a large order for a particular job, or who does a substantial amount of business with the supplier during the course of the year. The confidential nature of the information upon which the prices in this book are based does not permit of a more detailed explanation, but it should be emphasized that the market prices quoted are not necessarily the prices paid by a small contractor, with only a meagre order to place.

Similarly, contractors, whether large or small, can seldom compete with specialist sub-contractors and may not necessarily be able to buy materials so cheaply. Again, therefore, it is necessary to emphasize that the relevant prices in this book are those likely to be paid and charged by sub-contractors.

Some of the more important additions to the present edition are:

- (1) Rates schedules for the weekly and daily hire of road vehicles.
- (2) Market prices for joinery made to detail. These are necessary because joinery is now largely manufactured by specialists and, for the type of job under discussion, it would be incorrect to use measured prices based upon the cost of joinery made on site or in the contractor's workshop.
- (3) Rates of wages for additional allied trades.
- (4) The incorporation of most of the alterations caused by the revisions in the 1948 edition of the "Standard Method of Measurement of Builders' Work", although in some cases it has been considered advisable to give both the old and new methods.
- (5) The enlargement of the "Plant" section with details of many additional new items.
- (6) The extension of the "Market Prices of Materials" and "Prices for Measured Work" sections by the incorporation of many new materials.

The Editors again wish to express their sincere appreciation of the assistance rendered by manufacturers, merchants, and organizations, whose willingness to impart information has made this edition so much better than it could otherwise have been.

January 1949.

Davis, Belfield and Everest,  
Chartered Quantity Surveyors,  
9 Ashley Place, London, S.W.1.

# CONTENTS

|  | PAGE |
|--|------|
| PREFACE .....  | 5    |
| PART I   |      |
| ESTIMATING   |      |
| DIRECTIONS .....   | 13   |
| RATES OF WAGES AND WORKING RULES :   |      |
| Rates of Wages ( <i>Building Industry</i> ).....   | 17   |
| Gradings of Districts ( <i>Building Industry</i> ) .....   | 18   |
| National Joint Council and Regional Secretaries...   | 59   |
| Rates of Wages ( <i>Building Industry—Isle of Man</i> )...                                       | 62   |
| "        " ( <i>Building and Civil Engineering In-</i><br><i>dustry—Northern Ireland</i> ) ..... | 63   |
| "        " ( <i>Building Industry—Scotland</i> ) .....   | 65   |
| "        " ( <i>Civil Engineering Industry</i> ) .....   | 67   |
| "        " ( <i>Electrical Contracting Industry</i> ) ..   | 68   |
| "        " ( <i>Demolition Industry</i> ) .....  | 69   |
| "        " ( <i>Fencing Industry</i> ) .....   | 71   |
| "        " ( <i>Mastic Asphalt Industry</i> ) .....  | 73   |
| "        " ( <i>Glazing Trade</i> ) .....  | 74   |
| "        " ( <i>Outside Steelwork Erection</i> ) .....   | 75   |
| "        " ( <i>Terrazzo-Mosaic Industry</i> ) .....   | 76   |
| "        " ( <i>Ventilating and Domestic Engineer-</i><br><i>ing Industry</i> ) .....            | 77   |
| "        " ( <i>Road Haulage Workers</i> ) .....   | 79   |
| Working Rules ( <i>Building Industry</i> ).....  | 81   |
| "        " ( <i>Allied Industries</i> ) .....  | 101  |
| "        " ( <i>Glazing Trade</i> ) .....  | 102  |
| "        " ( <i>Civil Engineering Industry</i> ) .....   | 103  |
| "        " ( <i>Terrazzo-Mosaic Industry</i> ) .....   | 104  |
| MARKET PRICES OF MATERIALS :   |      |
| Excavator .....  | 105  |
| Concretor .....  | 106  |
| Bricklayer .....   | 109  |
| Drainlayer.....  | 115  |
| Pavior .....   | 123  |
| Mason .....  | 125  |
| Roofer .....   | 126  |
| Carpenter and Joiner .....   | 128  |
| Ironmonger.....  | 154  |
| Steel and Ironworker .....   | 162  |
| Plasterer .....  | 166  |
| Plumber.....   | 168  |

| MARKET PRICES OF MATERIALS— <i>continued.</i>  |  | PAGE |
|--|--|------|
| Glazier.....   |  | 200  |
| Painter.....   |  | 201  |
| External Works .....   |  | 204  |
| <b>PLANT:</b>  |  |      |
| Contractors.....   |  | 208  |
| Rates of Hire for Road Vehicles.....   |  | 224  |
| <b>PRICES FOR MEASURED WORK :</b>  |  |      |
| Preliminaries.....   |  | 233  |
| Excavator .....  |  | 243  |
| Concretor .....  |  | 247  |
| Bricklayer .....   |  | 251  |
| Drainlayer.....  |  | 266  |
| Asphalter.....   |  | 281  |
| Pavior .....   |  | 285  |
| Mason .....  |  | 290  |
| Roofer .....   |  | 294  |
| Carpenter .....  |  | 304  |
| Joiner.....  |  | 308  |
| Ironmonger.....  |  | 330  |
| Steel and Ironworker .....   |  | 342  |
| Plasterer .....  |  | 350  |
| Plumber ( <i>External Plumber</i> ) .....  |  | 354  |
| " ( <i>Internal Plumber</i> ) .....  |  | 362  |
| " ( <i>Sanitary Fittings</i> ) .....   |  | 371  |
| " ( <i>Heating and Hot Water Fitter</i> ) .....  |  | 377  |
| " ( <i>Gas Fitter</i> ) .....  |  | 378  |
| " ( <i>Zinc Worker</i> ) .....   |  | 381  |
| " ( <i>Coppersmith</i> ) .....   |  | 382  |
| " ( <i>Builders' work in connection with Plumbing and Engineering Services</i> ) ..... |  | 382  |
| Glazier.....   |  | 386  |
| Painter .....  |  | 388  |
| External Works ( <i>Roads</i> ) .....  |  | 396  |
| "    " ( <i>Footpaths</i> ) .....  |  | 397  |
| "    " ( <i>Mains</i> ) .....  |  | 398  |
| "    " ( <i>Fences</i> ).....  |  | 400  |

## PART II

## APPROXIMATE ESTIMATING

|                             |     |
|-----------------------------|-----|
| DIRECTIONS .....            | 405 |
| CUBES.....                  | 407 |
| APPROXIMATE ESTIMATES ..... | 408 |
| SPECIALISTS' WORK .....     | 417 |
| CONVERSION TABLES.....      | 422 |

## PART III

## DAYWORK AND PRIME COST

|   | PAGE |
|---|------|
| <b>DIRECTIONS</b> .....                           | 425  |
| <b>DAYWORK :</b>                                  |      |
| Building Industry .....                           | 427  |
| Civil Engineering Industry .....                  | 428  |
| Electrical Contracting Industry .....             | 438  |
| Outside Steelwork Erectors .....                  | 439  |
| Asphalt Industry .....                            | 441  |
| Heating and Ventilating Engineering Industry .... | 442  |
| <b>PRIME COST CONTRACTS :</b>                     |      |
| R.O.D.1 .....                                     | 443  |
| MH/PC/1 .....                                     | 445  |
| R.I.B.A. Form .....                               | 446  |
| <b>FEEs FOR PROFESSIONAL SERVICES</b> .....       | 447  |
| Architects' Fees .....                            | 447  |
| Quantity Surveyors' Fees .....                    | 452  |
| District Surveyors' Fees .....                    | 455  |
| <b>APPENDICES :</b>                               |      |
| Standard Price Lists .....                        | 457  |
| <b>STOP PRESS</b> .....                           | 494  |
| <b>INDEX</b> .....                                | 499  |



**PART I**  
**ESTIMATING**



# PART I

## ESTIMATING

### DIRECTIONS

#### APPLICATION OF PRICES

ALL prices and other information contained in this section should be considered as current and valid at the end of November 1948, up to which date all amendments to rates of wages have been incorporated.

The "Prices for Measured Work" are intended to apply to a normal job costing about £40,000 in the outer London area and including 10% for overhead charges and profit, or 5% for attendance, overhead charges and profit where work is normally sub-contracted. The prices are based upon market price of materials and other information contained in Part I, i.e. the relevant labour rates (2s. 10½d. per hour for craftsmen and 2s. 3¾d. per hour for labourers) and other emoluments. Suitable adjustment must be made for any variation of these basic costs (see notes following and the Preface).

The paragraphs which follow dealing with the conversion of prices indicate that adjustments must be made to suit the particular job. It should be stressed, however, that, whereas such adjustments can cover reasonable differences in the size, type and location of the contract, the prices for the measured work cannot be considered applicable to genuine jobbing work. The same applies to some extent to the market prices of materials—some explanation of this is given in the Preface.

The prices for measured work set out under trade headings are such as would appear in a Bill of Quantities and ignore normal preliminary items—water, insurances, etc.—all of which are dealt with under the heading of "Preliminaries". Normal "leads" and "plus-rates" payable to operatives under the Working Rules have been included in the unit prices; other emoluments the payment of which varies with the circumstances, such as guaranteed time and travelling expenses, have been dealt with under "Preliminaries".

Reference to the section dealing with "Preliminaries" will show that, in the absence of detailed calculations about



10% must be added to all prices if one is concerned with the total cost (including "Preliminaries") as opposed to the estimator's price for a particular item of measured work.

The estimated cost of any job based upon these prices will, of course, be exclusive of fees for professional services, details of which are given under Part III.

The letters "P.C.", where they occur, mean the prime cost of the materials or goods delivered to site. Their use indicates that there exists a range of prices for such products (e.g. facing bricks) and that, to avoid repetition, the prices for measured work have been based upon typical market prices.

Specialist's work, such as that of the electrician, which is not normally the subject of measurement in accordance with the "Standard Method of Measurement of Building Works" has not been dealt with here, but approximate prices will be found under Part II.

## CONVERSION OF PRICES

Unfortunately, prices do not remain at a fixed level and not all jobs are "normal jobs costing about £40,000, in the outer London area". In considering the effects of fluctuations in market prices of materials and rates of wages, or of other circumstances relative to the particular job, the following points should be taken into account.

### Labour

Rates of wages in the building industry vary with the locality (see "Rates of Wages" and "Gradings") and may also be varied from time to time by decisions of the National Joint Council for the Building Industry. The general effect of variations in rates of wages upon prices as a whole can only be calculated approximately, but some guidance is given under Part II. The effect of a slight change in rates of wages is relatively small and can usually be ignored.

It should be remembered that, as building operations become more and more specialized, variations in the rates of wages of building operatives will affect only a part of the total labour cost. Rates of wages and conditions of employment in the allied industries are controlled by separate bodies and any variations either local or national are not necessarily consistent with those appertaining to the Building Industry.

Particular attention should be paid to the "Preliminaries" if any of the following factors are likely to arise, as the

10% which has been suggested for normal "Preliminaries" may be quite insufficient:

(1) Lack of labour in the immediate vicinity—involving the payment of travelling time and expenses.

(2) Lack of labour in the whole neighbourhood—involving allowances to imported labour for subsistence and periodic leave.

(3) Additional canteen and welfare facilities that may be required as a result of (1) and (2) above.

(4) Lack of convenient billeting facilities for imported labour—involving daily travelling or the setting up of a camp or hostel.

(5) The likelihood of exceptionally inclement weather—involving substantial payment for guaranteed time.

(6) The likelihood of overtime being worked.

Under the present R.I.B.A. Form of Contract tenders do not have to allow for fluctuation in wages rates or prices of materials, which may occur after the date of the tender, and any such variations become additions to or deductions from the contract sum. As building costs may rise still higher, employers must be prepared for some increase upon the contract sum. Forms of contract containing "Variation of Price" clauses similar to those in the Ministry of Works CCC/Wks/1 Form are still occasionally used. Under these the contractor is not required to allow in his tender for most of the items referred to in the preceding paragraph, but, if incurred with his consent, the employer has to pay for the cost as an addition to the contract sum.

## Materials

Market prices of materials fluctuate from time to time and vary to some extent with the locality. This is notably the case with those materials in which haulage is an important factor, such as sand and aggregates.

Unfortunately, the prices of different materials do not alter at the same time or by the same amount, and it is impossible to calculate the effect of a general rise in market prices upon prices for measured work as a whole. Slight variations in market prices can be ignored for the purpose of typical prices for measured work and substantial variations in the cost of particular materials must be dealt with as isolated cases. In many instances the quantity of material involved per unit of measurement is virtually self-evident (allowing a small percentage for waste) and in others the quantity can be calculated by reference to any standard textbook dealing with the analyses of prices. Once ascertained

it is necessary only to multiply the quantity by the difference between the current market price and the market price quoted in the book and to add 10% for overhead charges and profit. This will give the amount by which the price for the particular item of measured work must be varied.

Market prices of some materials do, of course, vary with the quantity ordered, but normally prices are increased only for quantities under a full load, and this seldom arises except in jobbing work. Even where such an increase does occur the general effect upon the cost of the job as a whole is not likely to be worth consideration, particularly when only typical prices are involved.

As stated above under the heading "Labour" contractors tendering for a job under the R.I.B.A. Form of Contract do not have to allow for possible price increases occurring after the date of the tender, but if, as may well be the case, such increases do occur, the cost will have to be met by the Employer.

## Tendering

Apart from the cost of labour and materials, tenders vary with the type of job, the contractor's organization, and whether he is in need of more work at the particular time. If work is not readily obtainable, tenders will be keen for all types of jobs, but if it is plentiful, prices for large, straight-forward jobs of high priority in districts where labour is relatively plentiful may well be lower than they would otherwise be. Conversely, prices for small awkward jobs of low priority in isolated districts will be progressively higher until in extreme cases, the employer may consider himself lucky to find a contractor willing to do the work even at his own price. The chief variable factors for this type of job are cost of site supervision and overhead charges. The former should be allowed in the "Preliminaries", while the latter should be covered by increasing the percentage included for overheads and profit in all prices for measured work.

Some guidance as to the allowance for overheads and profit required by a contractor for a small awkward job can be obtained by reference to the percentages mentioned for "Daywork and Prime Cost Contracts" under Part III.

# RATES OF WAGES AND WORKING RULES

## RATES OF WAGES (BUILDING INDUSTRY)

AUTHORIZED RATES OF WAGES IN THE BUILDING INDUSTRY IN ENGLAND AND WALES  
AGREED BY THE NATIONAL JOINT COUNCIL  
FOR THE BUILDING INDUSTRY

(taking effect at beginning of pay week next following 11th  
July 1948)

|                                     | Craftsmen   |     | Labourers   |    |
|-------------------------------------|-------------|-----|-------------|----|
|                                     | Hourly rate |     | Hourly rate |    |
|                                     | s.          | d.  | s.          | d. |
| <b>LONDON DISTRICT</b>              |             |     |             |    |
| Within the 12 miles radius ..       | 2           | 11  | 2           | 4  |
| From 12-15 miles radius ....        | 2           | 10½ | 2           | 3½ |
| <b>LIVERPOOL AND DISTRICT .....</b> | 2           | 11  | 2           | 4  |
| <b>GRADE CLASSIFICATION</b>         |             |     |             |    |
| A .....                             | 2           | 9½  | 2           | 3  |
| A1 .....                            | 2           | 9   | 2           | 2½ |
| A2 .....                            | 2           | 8½  | 2           | 2  |
| A3 .....                            | 2           | 8   | 2           | 1½ |

### APPRENTICES

|                                 | Inner<br>Lon-<br>don |    | Outer<br>Lon-<br>don |    | A   |    | A1 |    | A2 |    | A3  |    |
|---------------------------------|----------------------|----|----------------------|----|-----|----|----|----|----|----|-----|----|
|                                 | s.                   | d. | s.                   | d. | s.  | d. | s. | d. | s. | d. | s.  | d. |
| Age 15 (½ Craftsman's Rate) ... | 8½                   |    | 8½                   |    | 8½  |    | 8½ |    | 8½ |    | 8   |    |
| " 16 (¾ " " " ) ...             | 11½                  |    | 11½                  |    | 11½ |    | 11 |    | 11 |    | 10½ |    |
| " 17 (¾ " " " ) ...             | 1                    | 5½ | 1                    | 5½ | 1   | 4½ | 1  | 4½ | 1  | 4½ | 1   | 4  |
| " 18 (¾ " " " ) ...             | 1                    | 10 | 1                    | 9½ | 1   | 9  | 1  | 8½ | 1  | 8½ | 1   | 8  |
| " 19 (¾ " " " ) ...             | 2                    | 2½ | 2                    | 2  | 2   | 1½ | 2  | 0½ | 2  | 0½ | 2   | 0  |
| " 20 (¾ " " " ) ...             | 2                    | 6½ | 2                    | 6½ | 2   | 5½ | 2  | 5  | 2  | 4½ | 2   | 4  |

### YOUNG MALE LABOURERS

|                               |    |    |    |    |   |    |   |    |     |    |     |    |
|-------------------------------|----|----|----|----|---|----|---|----|-----|----|-----|----|
| Age 15 (33½% Labourers' Rate) | 9½ |    | 9½ |    | 9 |    | 9 |    | 8½  |    | 8½  |    |
| " 16 (45% " " " )             | 1  | 0½ | 1  | 0½ | 1 | 0½ | 1 | 0  | 11½ |    | 11½ |    |
| " 17 (66⅔% " " " )            | 1  | 6½ | 1  | 6½ | 1 | 6  | 1 | 5½ | 1   | 5½ | 1   | 5½ |
| " 18 (100% " " " )            | 2  | 4  | 2  | 3½ | 2 | 3  | 2 | 2½ | 2   | 2  | 2   | 1½ |

*For the authorized rates of wages in the building industry  
in Northern Ireland and Scotland, see pp. 63-66.*

## GRADINGS OF DISTRICTS (BUILDING INDUSTRY)

The following is a list, arranged in alphabetical order, showing the towns and districts to which each of the preceding grade classifications apply. Every endeavour has been made to give correct information, but the Editors cannot accept responsibility for errors.

Any local variations are denoted by asterisks (\*). Information about these and other matters can be obtained from the appropriate Joint Secretary (see page 59).

| District                   | Region                 | Grade |
|----------------------------|------------------------|-------|
| Abbot's Langley.....       | Eastern Counties.....  | A     |
| Aberavon.....              | S. Wales & Mon.....    | A     |
| Aberayron.....             | S. Wales & Mon.....    | A3    |
| Aberdare.....              | S. Wales & Mon.....    | A     |
| Aberford.....              | Yorkshire.....         | A     |
| Abergavenny.....           | S. Wales & Mon.....    | A     |
| Abergele.....              | North-Western.....     | A1    |
| Aberystwyth.....           | S. Wales & Mon.....    | A3    |
| Abingdon.....              | Southern Counties..... | A2    |
| Acaster Malbis.....        | Yorkshire.....         | A     |
| Acaster Selby.....         | Yorkshire.....         | A     |
| Accrington.....            | North-Western.....     | A     |
| Acklington.....            | Northern Counties..... | A1    |
| Acle.....                  | Eastern Counties.....  | A3    |
| Acol.....                  | Southern Counties..... | A2    |
| Adbaston.....              | Midlands.....          | A2    |
| Addingham.....             | Yorkshire.....         | A     |
| Addlestone.....            | Southern Counties..... | A     |
| Adlethorpe.....            | Midlands.....          | A2    |
| Admington.....             | Midlands.....          | A3    |
| Adwick-le-Street U.D.....  | Yorkshire.....         | A     |
| Afan Valley.....           | S. Wales & Mon.....    | A     |
| Aireborough U.D.....       | Yorkshire.....         | A     |
| Airmyn.....                | Yorkshire.....         | A     |
| Albrighton.....            | Midlands.....          | A1    |
| Alcester R.D.* (part)..... | Midlands.....          | A1    |
| Alcester R.D.* (part)..... | Midlands.....          | A3    |
| Aldbourne.....             | South-Western.....     | A3    |
| Aldbrough.....             | Yorkshire.....         | A3    |
| Aldeburgh.....             | Eastern Counties.....  | A3    |
| Alderley Edge.....         | North-Western.....     | A     |
| Aldershot District.....    | Southern Counties..... | A2    |
| Aldington.....             | Midlands.....          | A3    |
| Aldridge U.D.....          | Midlands.....          | A     |
| Alfreton U.D.....          | Midlands.....          | A     |
| Alkborough.....            | Yorkshire.....         | A     |
| Alkmonton.....             | Midlands.....          | A2    |
| Allington.....             | Midlands.....          | A3    |
| Allonby.....               | North-Western.....     | A2    |
| Alnwick U.D.....           | Northern Counties..... | A1    |
| Alnwick R.D.....           | Northern Counties..... | A1    |
| Alstonfield.....           | Midlands.....          | A3    |
| Alton (Derbyshire).....    | Midlands.....          | A2    |

**Gradings of Districts (Building Industry)**

| District                            | Region                | Grade |
|-------------------------------------|-----------------------|-------|
| Alton (Hants).....                  | Southern Counties ... | A2    |
| Altrincham.....                     | North-Western.....    | A     |
| Amble U.D.....                      | Northern Counties.... | A1    |
| Ambleside.....                      | North-Western.....    | A3    |
| Amersham.....                       | Southern Counties.... | A1    |
| Amesbury.....                       | South-Western.....    | A3    |
| Ammanford and Valley.....           | S. Wales & Mon.....   | A     |
| Amphill.....                        | Eastern Counties..... | A3    |
| Ancaster.....                       | Midlands.....         | A3    |
| Andover.....                        | Southern Counties.... | A2    |
| Anglesey (Isle of).....             | North-Western.....    | A3    |
| Angram.....                         | Yorkshire.....        | A3    |
| Annfield Plain.....                 | Northern Counties.... | A     |
| Appleby.....                        | North-Western.....    | A3    |
| Appleby.....                        | Yorkshire.....        | A     |
| Appledore.....                      | South-Western.....    | A2    |
| Appleby Magna.....                  | Midlands.....         | A3    |
| Appleton Roebuck.....               | Yorkshire.....        | A     |
| Ardingley.....                      | Southern Counties.... | A2    |
| Ardleigh.....                       | Eastern Counties....  | A     |
| Arlesey (incl. Henlow).....         | Eastern Counties..... | A2    |
| Arnold U.D.....                     | Midlands.....         | A     |
| Arundel.....                        | Southern Counties.... | A2    |
| Ascot.....                          | Southern Counties.... | A2    |
| Ashbourne R.D.* (part).....         | Midlands.....         | A2    |
| Ashbourne R.D.* (part).....         | Midlands.....         | A3    |
| Ashbourne U.D.....                  | Midlands.....         | A3    |
| Ashburton.....                      | South-Western.....    | A2    |
| Ashby-cum-Fenby.....                | Midlands.....         | A3    |
| Ashby-de-la-Zouch U.D.....          | Midlands.....         | A     |
| Ashby-de-la-Zouch* R.D. (part)..... | Midlands.....         | A     |
| Ashby-de-la-Zouch* R.D. (part)..... | Midlands.....         | A3    |
| Ashby Woulds U.D.....               | Midlands.....         | A     |
| Ashford (Kent).....                 | Southern Counties.... | A2    |
| Ashford (Middlesex).....            | Southern Counties.... | A     |
| Ashington U.D.....                  | Northern Counties.... | A     |
| Ashleyhay.....                      | Midlands.....         | A2    |
| Ashstead.....                       | Southern Counties.... | A     |
| Ashton-under-Lyne.....              | North-Western.....    | A     |
| Ashwell (Herts).....                | Eastern Counties....  | A3    |
| Askham Bryan.....                   | Yorkshire.....        | A     |
| Askham Richard.....                 | Yorkshire.....        | A     |
| Aspatria.....                       | North-Western.....    | A2    |
| Asselby.....                        | Yorkshire.....        | A1    |
| Astley.....                         | Midlands.....         | A1    |
| Aston Down.....                     | South-Western.....    | A3    |
| Atcham R.D. (part).....             | Midlands.....         | A1    |
| Atcham R.D.* (part).....            | Midlands.....         | A2    |
| Atcham R.D.* (part).....            | Midlands.....         | A3    |
| Atherstone.....                     | Midlands.....         | A2    |
| Atherstone R.D.* (part).....        | Midlands.....         | A     |
| Atherstone R.D.* (part).....        | Midlands.....         | A1    |
| Attleborough.....                   | Eastern Counties....  | A3    |
| Atwick.....                         | Yorkshire.....        | A3    |
| Audleigh.....                       | Eastern Counties....  | A     |
| Audlem.....                         | North-Western.....    | A1    |

*Gradings of Districts (Building Industry)*

| District                           | Region                 | Grade |
|------------------------------------|------------------------|-------|
| Austerfield.....                   | Yorkshire.....         | A1    |
| Austhorpe.....                     | Yorkshire.....         | A     |
| Aveley.....                        | Eastern Counties.....  | A     |
| Axminster.....                     | South-Western.....     | A2    |
| Aycliffe.....                      | Northern Counties..... | A     |
| Aylesbury.....                     | Southern Counties..... | A2    |
| Aylesby.....                       | Yorkshire.....         | A     |
| Aylsham.....                       | Eastern Counties.....  | A3    |
| Aysgarth.....                      | Yorkshire.....         | A3    |
| Baddesley Clinton.....             | Midlands.....          | A1    |
| Baddesley Ensor.....               | Midlands.....          | A1    |
| Badsey.....                        | Midlands.....          | A3    |
| Bagillt.....                       | North-Western.....     | A3    |
| Bagnall.....                       | Midlands.....          | A     |
| Bagshot.....                       | Southern Counties..... | A2    |
| Baildon U.D.....                   | Yorkshire.....         | A     |
| Bainton.....                       | Midlands.....          | A1    |
| Bakewell U.D.....                  | Midlands.....          | A2    |
| Bakewell R.D. (Midland portion)    | Midlands.....          | A2    |
| Balcombe.....                      | Southern Counties..... | A2    |
| Baldock.....                       | Eastern Counties.....  | A1    |
| Bampton (Devon).....               | South-Western.....     | A2    |
| Banbury.....                       | Southern Counties..... | A2    |
| Barby.....                         | Midlands.....          | A2    |
| Bardory-cum-Rigton.....            | Yorkshire.....         | A     |
| Barforth.....                      | Northern Counties..... | A2    |
| Barholm.....                       | Midlands.....          | A2    |
| Barkston.....                      | Yorkshire.....         | A3    |
| Barmouth.....                      | North-Western.....     | A3    |
| Barlestone (part).....             | Midlands.....          | A3    |
| Barnaby-on-the-Marsh.....          | Yorkshire.....         | A1    |
| Barnack R.D.* (part).....          | Midlands.....          | A1    |
| Barnard Castle U.D.....            | Northern Counties..... | A1    |
| Barnard Castle R.D.* (part).....   | Northern Counties..... | A2    |
| Barnard Castle R.D.* (part).....   | Northern Counties..... | A3    |
| Barnelby-le-Wold.....              | Yorkshire.....         | A2    |
| Barnoldby-le-Beck.....             | Yorkshire.....         | A2    |
| Barnoldswick U.D.....              | Yorkshire.....         | A1    |
| Barnsley C.B.....                  | Yorkshire.....         | A     |
| Barnstaple.....                    | South-Western.....     | A2    |
| Barrow-in-Furness.....             | North-Western.....     | A     |
| Barrow-on-Humber.....              | Yorkshire.....         | A2    |
| Barrow-upon-Soar R.D.* (part)..... | Midlands.....          | A     |
| Barrow-upon-Soar R.D.* (part)..... | Midlands.....          | A2    |
| Barry.....                         | S. Wales & Mon.....    | A     |
| Barton-on-Humber U.D.....          | Yorkshire.....         | A2    |
| Barwick-in-Elmet.....              | Yorkshire.....         | A     |
| Baschurch.....                     | Midlands.....          | A3    |
| Basford R.D.*.....                 | Midlands.....          | A     |
| Basford R.D.* (part).....          | Midlands.....          | A2    |
| Basingstoke.....                   | Southern Counties..... | A2    |
| Bassingbourne Aerodrome.....       | Eastern Counties.....  | A3    |
| Bassingham.....                    | Midlands.....          | A1    |
| Bath.....                          | South-Western.....     | A     |
| Batley M.B.....                    | Yorkshire.....         | A     |

**Gradings of Districts (Building Industry)**

| District                        | Region                 | Grade |
|---------------------------------|------------------------|-------|
| Bawtry.....                     | Yorkshire.....         | A1    |
| Baxterley.....                  | Midlands.....          | A1    |
| Beaconsfield.....               | Southern Counties..... | A1    |
| Beaminster.....                 | South-Western.....     | A3    |
| Beamish.....                    | Northern Counties..... | A     |
| Bearl.....                      | Northern Counties..... | A     |
| Bearley.....                    | Midlands.....          | A3    |
| Bearpark.....                   | Northern Counties..... | A     |
| Beaudesert.....                 | Midlands.....          | A3    |
| Beccles.....                    | Eastern Counties.....  | A3    |
| Beckingham.....                 | Midlands.....          | A1    |
| Bedale R.D.....                 | Northern Counties..... | A     |
| Bedford.....                    | Eastern Counties.....  | A     |
| Bedlingtonshire U.D.....        | Northern Counties..... | A     |
| Bedwas.....                     | S. Wales & Mon.....    | A     |
| Bedworth U.D.....               | Midlands.....          | A     |
| Beenham.....                    | Southern Counties..... | A2    |
| Beer.....                       | South-Western.....     | A2    |
| Beeston and Stapleford U.D..... | Midlands.....          | A     |
| Belbroughton.....               | Midlands.....          | A2    |
| Bedford R.D.....                | Northern Counties..... | A1    |
| Bellingham R.D.....             | Northern Counties..... | A1    |
| Belper U.D.....                 | Midlands.....          | A     |
| Belper R.D.* (part).....        | Midlands.....          | A     |
| Belper R.D.* (part).....        | Midlands.....          | A2    |
| Belton.....                     | Midlands.....          | A     |
| Belvoir.....                    | Midlands.....          | A3    |
| Benby.....                      | Yorkshire.....         | A2    |
| Benson.....                     | Southern Counties..... | A2    |
| Bentley.....                    | Midlands.....          | A2    |
| Bentley Heath.....              | Midlands.....          | A1    |
| Bentley with Arksey U.D.....    | Yorkshire.....         | A     |
| Berkhampstead.....              | Eastern Counties.....  | A1    |
| Berrington.....                 | Midlands.....          | A1    |
| Berwick M.B.....                | Northern Counties..... | A1    |
| Bettwys-y-Coed.....             | North-Western.....     | A3    |
| Beverley M.B. and R.D.....      | Yorkshire.....         | A     |
| Bewdley M.B.....                | Midlands.....          | A     |
| Bewholme.....                   | Yorkshire.....         | A3    |
| Bexhill.....                    | Southern Counties..... | A2    |
| Bicester.....                   | Southern Counties..... | A2    |
| Bicton.....                     | Midlands.....          | A1    |
| Biddulph U.D.....               | Midlands.....          | A     |
| Bideford.....                   | South-Western.....     | A2    |
| Biggin.....                     | Yorkshire.....         | A2    |
| Biggleswade.....                | Eastern Counties.....  | A2    |
| Bibrough.....                   | Yorkshire.....         | A     |
| Billericay.....                 | Eastern Counties.....  | A1    |
| Billesdon R.D.* (part).....     | Midlands.....          | A     |
| Billesdon R.D.* (part).....     | Midlands.....          | A2    |
| Billing.....                    | Midlands.....          | A     |
| Billingham U.D.....             | Northern Counties..... | A     |
| Bilsdale.....                   | Northern Counties..... | A2    |
| Bilsthorpe.....                 | Midlands.....          | A     |
| Bilston M.B.....                | Midlands.....          | A     |
| Bilton.....                     | Yorkshire.....         | A     |
| Bilton Ainsty.....              | Yorkshire.....         | A3    |



*Gradings of Districts (Building Industry)*

| District   | Region                 | Grade |
|--|------------------------|-------|
| Bingham R. D.* (part).....                                       | Midlands.....          | A     |
| Bingham R. D.* (part).....                                       | Midlands.....          | A1    |
| Bingham R. D.* (part).....                                       | Midlands.....          | A2    |
| Bingley U.D.....   | Yorkshire.....         | A     |
| Biton.....   | Midlands.....          | A3    |
| Birchington.....   | Southern Counties..... | A2    |
| Birdingbury.....   | Midlands.....          | A2    |
| Birmingham C.B.....  | Midlands.....          | A     |
| Bishop Auckland U.D.....   | Northern Counties..... | A     |
| Bishop's Castle M.B.....   | Midlands.....          | A3    |
| Bishop's Lydeard.....  | South-Western.....     | A3    |
| Bishop's Stortford.....  | Eastern Counties.....  | A1    |
| Bishops-Waltham.....   | Southern Counties..... | A2    |
| Bishopthorpe.....  | Yorkshire.....         | A     |
| Bispham.....   | North-Western.....     | A     |
| Blaby R.D.....   | Midlands.....          | A     |
| Blackburn.....   | North-Western.....     | A     |
| Blackcroft.....  | Yorkshire.....         | A2    |
| Blackdown.....   | Southern Counties..... | A2    |
| Blackhill.....   | Northern Counties..... | A     |
| Blackhill Mill.....  | Northern Counties..... | A     |
| Blackpool.....   | North-Western.....     | A     |
| Blackrod.....  | North-Western.....     | A     |
| Blackwater.....  | Southern Counties..... | A2    |
| Blackwell R.D.....   | Midlands.....          | A     |
| Blandford.....   | South-Western.....     | A3    |
| Blaxton.....   | Yorkshire.....         | A1    |
| Blaydon U.D.....   | Northern Counties..... | A     |
| Bidworth.....  | Midlands.....          | A     |
| Blindley Heath.....  | Southern Counties..... | A2    |
| Blisworth.....   | Midlands.....          | A3    |
| Blockley.....  | South-Western.....     | A2    |
| Blofield.....  | Eastern Counties.....  | A3    |
| Blyth B.....   | Northern Counties..... | A     |
| Bodmin.....  | South-Western.....     | A3    |
| Bognor Regis.....  | Southern Counties..... | A2    |
| Boldon U.D.....  | Northern Counties..... | A     |
| Bollington.....  | North-Western.....     | A1    |
| Bolney.....  | Southern Counties..... | A2    |
| Bolsover U.D.....  | Midlands.....          | A     |
| Bolton.....  | North-Western.....     | A     |
| Bolton-by-Bowland, including<br>Holden Clough (West Riding)..... | Yorkshire.....         | A2    |
| Bolton Percy.....  | Yorkshire.....         | A3    |
| Bordon.....  | Southern Counties..... | A2    |
| Borrowby (Yorkshire).....  | Northern Counties..... | A2    |
| Borrowdale.....  | Yorkshire.....         | A2    |
| Bosham.....  | Southern Counties..... | A2    |
| Boston M.B.....  | Midlands.....          | A1    |
| Boston R.D.....  | Midlands.....          | A2    |
| Boston Spa.....  | Yorkshire.....         | A     |
| Botley.....  | Southern Counties..... | A     |
| Bottesford (Leics.).....   | Midlands.....          | A3    |
| Bottesford.....  | Yorkshire.....         | A     |
| Boughton.....  | Midlands.....          | A     |
| Bourne U.D.....  | Midlands.....          | A3    |
| Bourne End.....  | Southern Counties..... | A1    |

**Gradings of Districts (Building Industry)**

| District                 | Region            | Grade |
|--------------------------|-------------------|-------|
| Bournemouth District     | Southern Counties | A1    |
| Bourton-on Dunsmore      | Midlands          | A2    |
| Bourton-on-the-Water     | South-Western     | A2    |
| Bovey Tracey             | South-Western     | A2    |
| Bowland R.D.             | Yorkshire         | A2    |
| Box                      | South-Western     | A3    |
| Boxmoor                  | Eastern Counties  | A1    |
| Boyleston                | Midlands          | A2    |
| Braceborough             | Midlands          | A2    |
| Brackley M.B.            | Midlands          | A3    |
| Brackley R.D.            | Midlands          | A3    |
| Bracknell                | Southern Counties | A2    |
| Bradford C.B.            | Yorkshire         | A     |
| Bradford-on-Avon         | South-Western     | A2    |
| Bradninch                | South-Western     | A2    |
| Brafield-on-the-Green    | Midlands          | A     |
| Brailsford               | Midlands          | A2    |
| Braintree                | Eastern Counties  | A2    |
| Bramham-cum-Oglethorpe   | Yorkshire         | A2    |
| Bramley (Surrey)         | Southern Counties | A2    |
| Bramshall                | Midlands          | A3    |
| Bramshott                | Southern Counties | A2    |
| Brandesburton            | Yorkshire         | A3    |
| Brandon (Durham) U.D.    | Northern Counties | A     |
| Brandon (Suffolk)        | Eastern Counties  | A3    |
| Brant Broughton          | Midlands          | A1    |
| Braunton                 | South-Western     | A2    |
| Brayton                  | North-Western     | A2    |
| Brecon                   | S. Wales & Mon.   | A2    |
| Breconshire* (County of) | S. Wales & Mon.   | A3    |
| Bredicot                 | Midlands          | A1    |
| Brighton                 | Yorkshire         | A1    |
| Brent Knoll              | South-Western     | A2    |
| Brentwood                | Eastern Counties  | A     |
| Brewood (part)           | Midlands          | A     |
| Bridgend                 | S. Wales & Mon.   | A     |
| Bridgnorth M.B.          | Midlands          | A2    |
| Bridgnorth R.D.          | Midlands          | A2    |
| Bridgwater               | South-Western     | A3    |
| Bridlington M.B.         | Yorkshire         | A     |
| Bridlington R.D.         | Yorkshire         | A1    |
| Bridport                 | South-Western     | A3    |
| Brierfield               | North-Western     | A     |
| Brierley Hill U.D.       | Midlands          | A     |
| Brigg U.D.               | Yorkshire         | A1    |
| Brighouse M.B.           | Yorkshire         | A     |
| Brightlingsea            | Eastern Counties  | A3    |
| Brighton                 | Southern Counties | A1    |
| Bristol District         | South-Western     | A     |
| Briton Ferry             | S. Wales & Mon.   | A     |
| Brixham                  | South-Western     | A2    |
| Brixworth* (part)        | Midlands          | A     |
| Brixworth R.D.* (part)   | Midlands          | A     |
| Brixworth R.D.* (part)   | Midlands          | A1    |
| Brize Norton             | Southern Counties | A2    |
| Broadstairs              | Southern Counties | A2    |
| Brocklesbury             | Yorkshire         | A     |

*Gradings of Districts (Building Industry)*

| District                | Region            | Grade |
|-------------------------|-------------------|-------|
| Bromsgrove U.D.         | Midlands          | A     |
| Bromsgrove R.D.* (part) | Midlands          | A     |
| Bromsgrove R.D.* (part) | Midlands          | A1    |
| Bromsgrove R.D.* (part) | Midlands          | A2    |
| Bromsgrove R.D.* (part) | Midlands          | A3    |
| Bromyard                | South-Western     | A3    |
| Broom (Durham)          | Northern Counties | A     |
| Broomfleet              | Yorkshire         | A2    |
| Brothertoft             | Midlands          | A2    |
| Brough                  | Yorkshire         | A     |
| Broughton (Cheshire)    | North-Western     | A     |
| Broughton (Salop)       | Midlands          | A3    |
| Broughton-in-Furness    | North-Western     | A3    |
| Broughton (Lincs)       | Yorkshire         | A2    |
| Brownhill U.D.          | Midlands          | A     |
| Broxbourn               | Eastern Counties  | A     |
| Brynamman               | S. Wales & Mon.   | A     |
| Bubwith                 | Yorkshire         | A1    |
| Buckden                 | Yorkshire         | A3    |
| Buckfastleigh           | South-Western     | A2    |
| Buckingham              | Southern Counties | A2    |
| Buckley                 | North-Western     | A     |
| Buckminster             | Midlands          | A3    |
| Bude                    | South-Western     | A3    |
| Budleigh Salterton      | South-Western     | A2    |
| Buglawton               | North-Western     | A3    |
| Buildwas                | Midlands          | A2    |
| Builth                  | S. Wales & Mon.   | A3    |
| Bulphan                 | Eastern Counties  | A     |
| Bungay                  | Eastern Counties  | A3    |
| Buntingford             | Eastern Counties  | A3    |
| Burgess Hill            | Southern Counties | A2    |
| Burgh-le-Marsh          | Midlands          | A2    |
| Burley-in-Wharfedale    | Yorkshire         | A     |
| Burnham-on-Crouch       | Eastern Counties  | A3    |
| Burnham-on-Sea          | South-Western     | A3    |
| Burnhope                | Northern Counties | A     |
| Burnley                 | North-Western     | A     |
| Burnopfield             | Northern Counties | A     |
| Burntwood (part)        | Midlands          | A1    |
| Burringham              | Yorkshire         | A     |
| Burry Port              | S. Wales & Mon.   | A     |
| Burstow                 | Southern Counties | A2    |
| Burstock                | Yorkshire         | A     |
| Burton Constable        | Yorkshire         | A3    |
| Burton Dassett          | Midlands          | A3    |
| Burton Latimer U.D.     | Midlands          | A     |
| Burton-on-Slathery      | Yorkshire         | A     |
| Burton-on-Trent C.B.    | Midlands          | A     |
| Burton Overy            | Midlands          | A     |
| Burton Pidsea           | Yorkshire         | A3    |
| Bury                    | North-Western     | A     |
| Bury St. Edmunds        | Eastern Counties  | A3    |
| Bushwood                | Midlands          | A1    |
| Buxton                  | North-Western     | A1    |
| Byfleet                 | Southern Counties | A1    |
| Byshottles U.D.         | Northern Counties | A     |
| Bywell                  | Northern Counties | A     |

*Gradings of Districts (Building Industry)*

| District                           | Region                 | Grade |
|------------------------------------|------------------------|-------|
| Cadeby.....                        | Midlands.....          | A3    |
| Cadney.....                        | Yorkshire.....         | A2    |
| Caerwent.....                      | S. Wales & Mon.....    | A1    |
| Caister.....                       | Eastern Counties.....  | A1    |
| Caistor R.D. (Midland part).....   | Midlands.....          | A3    |
| Caistor R.D.* (part).....          | Yorkshire.....         | A     |
| Calder Valley.....                 | Yorkshire.....         | A     |
| Caldicot.....                      | S. Wales & Mon.....    | A1    |
| Callington.....                    | South-Western.....     | A3    |
| Camberley.....                     | Southern Counties..... | A2    |
| Camborne.....                      | South-Western.....     | A3    |
| Cambridge.....                     | Eastern Counties.....  | A     |
| Cannock U.D.....                   | Midlands.....          | A     |
| Cannock R.D.* (part).....          | Midlands.....          | A     |
| Cannock R.D.* (part).....          | Midlands.....          | A1    |
| Canterbury.....                    | Southern Counties..... | A2    |
| Canvey Island.....                 | Eastern Counties.....  | A1    |
| Cardiff.....                       | S. Wales & Mon.....    | A     |
| Cardiganshire.....                 | S. Wales & Mon.....    | A3    |
| Cardigan Town.....                 | S. Wales & Mon.....    | A3    |
| Cardington.....                    | Eastern Counties.....  | A     |
| Carleton.....                      | North-Western.....     | A     |
| Carlisle.....                      | North-Western.....     | A     |
| Carlton.....                       | Midlands.....          | A3    |
| Carlton le Moorland.....           | Midlands.....          | A1    |
| Carlton Scroop.....                | Midlands.....          | A3    |
| Carlton U.D.....                   | Midlands.....          | A     |
| Carmarthen.....                    | S. Wales & Mon.....    | A2    |
| Carmarthenshire* (part).....       | S. Wales & Mon.....    | A3    |
| Caernarvonshire*.....              | North-Western.....     | A3    |
| Carnforth.....                     | North-Western.....     | A     |
| Castle Ashby.....                  | Midlands.....          | A1    |
| Castle Cary.....                   | South-Western.....     | A3    |
| Castle Donington R.D.* (part)..... | Midlands.....          | A     |
| Castle Donington R.D.* (part)..... | Midlands.....          | A1    |
| Castleford U.D.....                | Yorkshire.....         | A     |
| Castleside.....                    | Northern Counties..... | A     |
| Castleward* (part).....            | Northern Counties..... | A     |
| Castleward R.D.* (part).....       | Northern Counties..... | A1    |
| Caterham.....                      | Southern Counties..... | A     |
| Catterick Camp Area.....           | Northern Counties..... | A     |
| Catteston.....                     | Yorkshire.....         | A3    |
| Catthorpe.....                     | Midlands.....          | A     |
| Catwick.....                       | Yorkshire.....         | A     |
| Caythorpe.....                     | Midlands.....          | A3    |
| Cefn.....                          | North-Western.....     | A     |
| Chadwell.....                      | Eastern Counties.....  | A     |
| Chagford.....                      | South-Western.....     | A2    |
| Challey.....                       | Southern Counties..... | A2    |
| Chalfonts.....                     | Southern Counties..... | A1    |
| Chapel Brampton.....               | Midlands.....          | A     |
| Chapel-en-le-Frith.....            | North-Western.....     | A1    |
| Chapel St. Leonards.....           | Midlands.....          | A2    |
| Chard.....                         | South-Western.....     | A3    |
| Charley.....                       | Midlands.....          | A     |
| Charlwood (Surrey).....            | Southern Counties..... | A2    |
| Charmy Down.....                   | South-Western.....     | A     |

*Gradings of Districts (Building Industry)*

| District                                      | Region                | Grade |
|---|-----------------------|-------|
| Chatham & District.....                       | Southern Counties.... | A1    |
| Chatteris.....                                | Eastern Counties..... | A3    |
| Cheadle (Staffs) R.D.....                     | Midlands.....         | A     |
| Cheddar Valley.....                           | South-Western.....    | A3    |
| Chelmsford.....                               | Eastern Counties..... | A     |
| Cheltenham.....                               | South-Western.....    | A1    |
| Chelwood Gate.....                            | Southern Counties.... | A2    |
| Chepstow.....                                 | S. Wales & Mon.....   | A1    |
| Cherry Hinton.....                            | Eastern Counties..... | A     |
| Chertsey.....                                 | Southern Counties.... | A     |
| Chesham.....                                  | Southern Counties.... | A1    |
| Cheslyn Hay.....                              | Midlands.....         | A     |
| Chester.....                                  | North-Western.....    | A     |
| Chesterfield M.B.....                         | Midlands.....         | A     |
| Chesterfield R.D.....                         | Midlands.....         | A     |
| Chester-le-Street U.D.....                    | Northern Counties.... | A     |
| Chester-le-Street R.D.....                    | Northern Counties.... | A     |
| Cheswardine.....                              | Midlands.....         | A3    |
| Chichester.....                               | Southern Counties.... | A2    |
| Chilcote.....                                 | Midlands.....         | A3    |
| Childs Ercall.....                            | Midlands.....         | A3    |
| Chippenham (including Chippenham Within)..... | South-Western.....    | A2    |
| Chipping Campden.....                         | South-Western.....    | A2    |
| Chipping Norton.....                          | Southern Counties.... | A2    |
| Chipping Sodbury.....                         | South-Western.....    | A2    |
| Chopwell.....                                 | Northern Counties.... | A     |
| Chorley.....                                  | North-Western.....    | A     |
| Chorley Wood.....                             | Eastern Counties..... | A     |
| Christchurch.....                             | Southern Counties.... | A1    |
| Chudleigh.....                                | South-Western.....    | A2    |
| Church Brampton.....                          | Midlands.....         | A     |
| Church Eaton.....                             | Midlands.....         | A1    |
| Church Fenton.....                            | Yorkshire.....        | A2    |
| Church Stanton.....                           | South-Western.....    | A3    |
| Church Stretton U.D.....                      | Midlands.....         | A3    |
| Cinderford.....                               | South-Western.....    | A2    |
| Cirencester.....                              | South-Western.....    | A2    |
| Clacton.....                                  | Eastern Counties..... | A1    |
| Clare.....                                    | Eastern Counties..... | A3    |
| Claverdon.....                                | Midlands.....         | A3    |
| Claycoton.....                                | Midlands.....         | A2    |
| Clay Cross U.D.....                           | Midlands.....         | A     |
| Claypole.....                                 | Midlands.....         | A3    |
| Cleator Moor.....                             | North-Western.....    | A     |
| Cleethorpes M.B.....                          | Yorkshire.....        | A     |
| Clent.....                                    | Midlands.....         | A2    |
| Cleobury Mortimer.....                        | Midlands.....         | A3    |
| Clevedon.....                                 | South-Western.....    | A1    |
| Cleveleys.....                                | North-Western.....    | A     |
| Cliddesden.....                               | Southern Counties.... | A2    |
| Clifford.....                                 | Yorkshire.....        | A2    |
| Clifton Campville.....                        | Midlands.....         | A1    |
| Clipstone.....                                | Midlands.....         | A     |
| Clitheroe.....                                | North-Western.....    | A     |
| Clive.....                                    | Midlands.....         | A3    |
| Close House.....                              | Northern Counties.... | A     |

**Gradings of Districts (Building Industry)**

| District                 | Region            | Grade |
|--------------------------|-------------------|-------|
| Clowne R.D.              | Midlands          | A     |
| Clun R.D.                | Midlands          | A3    |
| Clyst St. Mary           | South-Western     | A2    |
| Coalville U.D.           | Midlands          | A     |
| Cobham (Kent)            | Southern Counties | A     |
| Cobham (Surrey)          | Southern Counties | A     |
| Cockermouth R.D.* (part) | North-Western     | A     |
| Cockermouth U.D.         | North-Western     | A     |
| Cockfield (Township of)  | Northern Counties | A     |
| Cogenhoe                 | Midlands          | A     |
| Coggeshall               | Eastern Counties  | A3    |
| Colchester               | Eastern Counties  | A     |
| Coleford                 | South-Western     | A2    |
| Cole Green               | Eastern Counties  | A     |
| Collingham               | Yorkshire         | A2    |
| Collingtree              | Midlands          | A     |
| Collyweston              | Midlands          | A2    |
| Colne                    | North-Western     | A     |
| Colne Valley U.D.        | Yorkshire         | A     |
| Coltishall               | Eastern Counties  | A3    |
| Colwich (part)           | Midlands          | A2    |
| Colwyn Bay               | North-Western     | A1    |
| Combe Martin             | South-Western     | A2    |
| Combrook                 | Midlands          | A3    |
| Commondale               | Northern Counties | A2    |
| Compton Verney           | Midlands          | A3    |
| Condover                 | Midlands          | A1    |
| Congleton                | North-Western     | A1    |
| Conisborough U.D.        | Yorkshire         | A     |
| Coniston                 | North-Western     | A3    |
| Coniston                 | Yorkshire         | A     |
| Connah's Quay            | North-Western     | A     |
| Consett U.D.             | Northern Counties | A     |
| Conway                   | North-Western     | A1    |
| Copmanthorpe             | Yorkshire         | A     |
| Copthorne                | Southern Counties | A2    |
| Corbridge                | Northern Counties | A     |
| Corby U.D.               | Midlands          | A     |
| Cornsey                  | Northern Counties | A     |
| Cornwall* (County of)    | South-Western     | A2    |
| Corryingham              | Eastern Counties  | A     |
| Corsham                  | South-Western     | A3    |
| Corwen                   | North-Western     | A3    |
| Cosley U.D.              | Midlands          | A     |
| Costessey                | Eastern Counties  | A     |
| Cotesbach                | Midlands          | A     |
| Cothridge                | Midlands          | A1    |
| Cottenham                | Eastern Counties  | A3    |
| Coundon                  | Northern Counties | A     |
| Courteenhall             | Midlands          | A     |
| Coventry C.B.            | Midlands          | A     |
| Cowden                   | Southern Counties | A2    |
| Cowfold                  | Southern Counties | A2    |
| Craghead                 | Northern Counties | A     |
| Cranbrook                | Southern Counties | A2    |
| Cranfield                | Eastern Counties  | A3    |
| Cranham                  | Eastern Counties  | A     |

*Gradings of Districts (Building Industry)*

| District                       | Region                | Grade |
|--------------------------------|-----------------------|-------|
| Cranleigh.....                 | Southern Counties.... | A2    |
| Cranwell Aerodrome.....        | Midlands.....         | A1    |
| Crawley (Sussex).....          | Southern Counties.... | A2    |
| Crawley Down.....              | Southern Counties.... | A2    |
| Crediton.....                  | South-Western.....    | A2    |
| Crewe.....                     | North-Western.....    | A     |
| Crewkerne.....                 | South-Western.....    | A3    |
| Crick (Northants).....         | Midlands.....         | A2    |
| Crickhowell.....               | S. Wales & Mon.....   | A3    |
| Croft.....                     | Midlands.....         | A2    |
| Croft R.D.....                 | Northern Counties.... | A     |
| Cromer.....                    | Eastern Counties..... | A1    |
| Crook U.D.....                 | Northern Counties.... | A     |
| Crook Stanley.....             | Northern Counties ..  | A     |
| Croptonhoe.....                | Midlands.....         | A3    |
| Crosshills.....                | Yorkshire.....        | A     |
| Crostwick.....                 | Eastern Counties..... | A     |
| Crowborough.....               | Southern Counties.... | A2    |
| Crowle.....                    | Midlands.....         | A2    |
| Croxton.....                   | Yorkshire.....        | A2    |
| Croxton Kerrial.....           | Midlands.....         | A3    |
| Cubley.....                    | Midlands.....         | A2    |
| Cuckfield.....                 | Southern Counties.... | A2    |
| Cuckney.....                   | Midlands.....         | A     |
| Cudworth U.D.....              | Yorkshire.....        | A     |
| Cullompton.....                | South-Western.....    | A2    |
| Cumberland* (County of) (part) | North-Western.....    | A3    |
| Curry Rivel.....               | South-Western.....    | A3    |
| Cwmbran.....                   | S. Wales & Mon.....   | A     |
|                                |                       |       |
| Dalton-in-Furness.....         | North-Western.....    | A     |
| Danby.....                     | Northern Counties ..  | A2    |
| Danehill.....                  | Southern Counties ..  | A2    |
| Darenth.....                   | Southern Counties ..  | A     |
| Darfield U.D.....              | Yorkshire.....        | A     |
| Darlaston U.D.....             | Midlands.....         | A     |
| Darlington C.B.....            | Northern Counties.... | A     |
| Darlington R.D.....            | Northern Counties.... | A     |
| Dartmouth.....                 | South-Western.....    | A2    |
| Darton U.D.....                | Yorkshire.....        | A     |
| Darwen.....                    | North-Western.....    | A     |
| Daventry M.B.....              | Midlands.....         | A2    |
| Daventry R.D.* (part)          | Midlands.....         | A     |
| Daventry R.D.* (part)          | Midlands.....         | A2    |
| Dawley U.D.....                | Midlands.....         | A1    |
| Dawlish.....                   | South-Western.....    | A2    |
| Deal.....                      | Southern Counties.... | A2    |
| Dearne U.D.....                | Yorkshire.....        | A     |
| Debenham.....                  | Eastern Counties..... | A3    |
| Deepcut.....                   | Southern Counties.... | A2    |
| Denbighshire* (County of)      | North-Western.....    | A3    |
| Denbigh Town.....              | North-Western.....    | A2    |
| Denbyale U.D.....              | Yorkshire.....        | A     |
| Denholme U.D.....              | Yorkshire.....        | A     |
| Deant.....                     | Yorkshire.....        | A3    |

**Gradings of Districts (Building Industry)**

| District                            | Region            | Grade |
|-------------------------------------|-------------------|-------|
| Derby C.B.                          | Midlands          | A     |
| Derwent R.D.                        | Yorkshire         | A1    |
| Desborough U.D.                     | Midlands          | A     |
| Dethick Lea                         | Midlands          | A2    |
| Devizes                             | South-Western     | A2    |
| Devonshire* (County of)             | South-Western     | A2    |
| Dewsbury C.B.                       | Yorkshire         | A     |
| Didcot                              | Southern Counties | A2    |
| Dilston                             | Northern Counties | A     |
| Dipton                              | Northern Counties | A     |
| Dishforth                           | Yorkshire         | A3    |
| Disley                              | North-Western     | A1    |
| Diss                                | Eastern Counties  | A3    |
| Docking                             | Eastern Counties  | A2    |
| Dodworth U.D.                       | Yorkshire         | A     |
| Dolgelly                            | North-Western     | A3    |
| Doncaster C.B. and R.D.* (part)     | Yorkshire         | A     |
| Doncaster R.D.* (part)              | Yorkshire         | A1    |
| Dorchester                          | South-Western     | A3    |
| Dorking                             | Southern Counties | A1    |
| Dormans Land                        | Southern Counties | A2    |
| Dormans Park                        | Southern Counties | A2    |
| Dorridge                            | Midlands          | A1    |
| Dorset* (County of)                 | South-Western     | A2    |
| Dorsington                          | Midlands          | A3    |
| Dover                               | Southern Counties | A2    |
| Dovercourt                          | Eastern Counties  | A1    |
| Doveridge                           | Midlands          | A2    |
| Downham Market                      | Eastern Counties  | A3    |
| Drayton Bassett                     | Midlands          | A     |
| Drayton (Norfolk)                   | Eastern Counties  | A     |
| Drayton R.D. (Salop) (Midland part) | Midlands          | A3    |
| Driffeld U.D.                       | Yorkshire         | A1    |
| Driffeld R.D.                       | Yorkshire         | A3    |
| Drigg                               | North-Western     | A     |
| Droitwich M.B.                      | Midlands          | A1    |
| Droitwich R.D.* (part)              | Midlands          | A1    |
| Droitwich R.D.* (part)              | Midlands          | A2    |
| Dronfield U.D.                      | Midlands          | A     |
| Dry Doddington                      | Midlands          | A3    |
| Duddington                          | Midlands          | A2    |
| Dudley C.B.                         | Midlands          | A     |
| Dunmow                              | Eastern Counties  | A3    |
| Dunstable                           | Eastern Counties  | A     |
| Dunster                             | South-Western     | A3    |
| Durham B.                           | Northern Counties | A     |
| Durham R.D.                         | Northern Counties | A     |
| Dursley                             | South-Western     | A2    |
| Duston                              | Midlands          | A     |
| Duxford                             | Eastern Counties  | A3    |
| Dymock                              | South-Western     | A2    |
| Eakring                             | Midlands          | A     |
| Earby U.D.                          | Yorkshire         | A1    |
| Easby                               | Northern Counties | A2    |



*Gradings of Districts (Building Industry)*

| District                                 | Region            | Grade |
|--|-------------------|-------|
| Easington                                | Yorkshire         | A3    |
| Easington R.D.                           | Northern Counties | A     |
| Easingwold (part)                        | Yorkshire         | A2    |
| Easingwold R.D. (part)                   | Yorkshire         | A3    |
| Eastbourne                               | Southern Counties | A1    |
| East Butterwick                          | Yorkshire         | A     |
| East & Mid Kent                          | Southern Counties | A2    |
| East Dereham                             | Eastern Counties  | A3    |
| East Elloe R.D.                          | Midlands          | A3    |
| East Garton                              | Yorkshire         | A3    |
| East Glamorgan and Monmouthshire Valleys | S. Wales & Mon.   | A     |
| East Grinstead Dist.                     | Southern Counties | A2    |
| East Halton                              | Yorkshire         | A2    |
| East Horndon                             | Eastern Counties  | A1    |
| East Kesteven R.D.                       | Midlands          | A3    |
| East Keswick                             | Yorkshire         | A     |
| Eastleigh                                | Southern Counties | A     |
| Easton-on-the-Hill                       | Midlands          | A2    |
| East Ravensdale                          | Midlands          | A3    |
| East Retford M.B.                        | Midlands          | A1    |
| East Retford R.D. (Midland portion)      | Midlands          | A2    |
| Eastrington                              | Yorkshire         | A1    |
| Eastwood (Notts) U.D.                    | Midlands          | A     |
| Ebbw Vale & District                     | S. Wales & Mon.   | A     |
| Ebchester                                | Northern Counties | A     |
| Eccleshall (part)                        | Midlands          | A1    |
| Eckington                                | Midlands          | A     |
| Ecton                                    | Midlands          | A     |
| Edenbridge                               | Southern Counties | A2    |
| Edingley                                 | Midlands          | A     |
| Edmondsley                               | Northern Counties | A     |
| Edmundbyers                              | Northern Counties | A3    |
| Edwinstowe                               | Midlands          | A     |
| Effingham                                | Southern Counties | A1    |
| Egglestone                               | Northern Counties | A3    |
| Egglestone Abbey                         | Northern Counties | A2    |
| Egham                                    | Southern Counties | A     |
| Egremont (Cumb.)                         | North-Western     | A     |
| Eling                                    | Southern Counties | A     |
| Elkington                                | Midlands          | A2    |
| Elland U.D.                              | Yorkshire         | A     |
| Ellastone                                | Midlands          | A3    |
| Ellerby                                  | Yorkshire         | A     |
| Ellerton                                 | Yorkshire         | A1    |
| Ellesmere R.D. (Midland part)            | Midlands          | A3    |
| Elsham                                   | Yorkshire         | A2    |
| Elstow                                   | Eastern Counties  | A     |
| Elstronwick                              | Yorkshire         | A3    |
| Ely                                      | Eastern Counties  | A3    |
| Emsworth                                 | Southern Counties | A2    |
| Endon & Stanley                          | Midlands          | A     |
| Ennerdale R.D.                           | North-Western     | A     |
| Epping                                   | Eastern Counties  | A     |
| Esh                                      | Northern Counties | A     |
| Esh Winning                              | Northern Counties | A     |

*Gradings of Districts (Building Industry)*

| District                    | Region                 | Grade |
|-----------------------------|------------------------|-------|
| Essendon.....               | Eastern Counties.....  | A     |
| Essex: Belt A.....          | Eastern Counties.....  | A     |
| Essington.....              | Midlands.....          | A     |
| Eston U.D.....              | Northern Counties..... | A     |
| Etherley.....               | Northern Counties..... | A     |
| Eton.....                   | Southern Counties..... | A1    |
| Ettington.....              | Midlands.....          | A3    |
| Evenwood (Township of)..... | Northern Counties..... | A     |
| Evesham M.B.....            | Midlands.....          | A2    |
| Evesham R.D.....            | Midlands.....          | A3    |
| Exeter.....                 | South-Western.....     | A1    |
| Exminster.....              | South-Western.....     | A2    |
| Exmouth.....                | South-Western.....     | A     |
| Exning.....                 | Eastern Counties.....  | A2    |
| Eye (Peterborough).....     | Eastern Counties.....  | A2    |
| Fair Oak.....               | Southern Counties..... | A2    |
| Fakenham (Norfolk).....     | Eastern Counties.....  | A3    |
| Falmouth.....               | South-Western.....     | A2    |
| Fareham.....                | Southern Counties..... | A     |
| Faringdon.....              | Southern Counties..... | A2    |
| Farnborough (Hants).....    | Southern Counties..... | A2    |
| Farnham (Surrey).....       | Southern Counties..... | A2    |
| Farnhill.....               | Yorkshire.....         | A     |
| Farningham (Kent).....      | Southern Counties..... | A1    |
| Farnsfield.....             | Midlands.....          | A     |
| Faversham.....              | Southern Counties..... | A2    |
| Fazeley.....                | Midlands.....          | A     |
| Featherstone.....           | Midlands.....          | A     |
| Featherstone U.D.....       | Yorkshire.....         | A     |
| Felbridge.....              | Southern Counties..... | A2    |
| Felixstowe.....             | Eastern Counties.....  | A1    |
| Felling U.D.....            | Northern Counties..... | A     |
| Felliscliffe.....           | Yorkshire.....         | A     |
| Felstead.....               | Eastern Counties.....  | A3    |
| Feltwell.....               | Eastern Counties.....  | A3    |
| Fenny Stratford.....        | Southern Counties..... | A2    |
| Fenton.....                 | Midlands.....          | A3    |
| Ferryhill.....              | Northern Counties..... | A     |
| Filey U.D.....              | Yorkshire.....         | A1    |
| Finningley.....             | Yorkshire.....         | A1    |
| Firbeck.....                | Yorkshire.....         | A     |
| Fishguard.....              | S. Wales & Mon.....    | A3    |
| Flaxton R.D.....            | Yorkshire.....         | A1    |
| Fleet (Hants).....          | Southern Counties..... | A2    |
| Fleetwood.....              | North-Western.....     | A     |
| Fletching.....              | Southern Counties..... | A2    |
| Flint.....                  | North-Western.....     | A     |
| Flixborough.....            | Yorkshire.....         | A     |
| Foggathorpe.....            | Yorkshire.....         | A1    |
| Folkestone.....             | Southern Counties..... | A2    |
| Ford.....                   | Midlands.....          | A1    |
| Fordham (Cambs).....        | Eastern Counties.....  | A3    |
| Fordingbridge.....          | Southern Counties..... | A2    |
| Forest and Frith.....       | Northern Counties..... | A3    |
| Forest Row.....             | Southern Counties..... | A2    |

*Gradings of Districts (Building Industry)*

| District                          | Region                 | Grade |
|-----------------------------------|------------------------|-------|
| Forton.....                       | Midlands.....          | A2    |
| Foston.....                       | Midlands.....          | A3    |
| Fowey.....                        | South-Western.....     | A3    |
| Fradswell.....                    | Midlands.....          | A2    |
| Framlingham.....                  | Eastern Counties.....  | A3    |
| Frampton.....                     | Midlands.....          | A2    |
| Frampton-on-Severn.....           | South-Western.....     | A2    |
| Frankley.....                     | Midlands.....          | A2    |
| Fremington.....                   | South-Western.....     | A2    |
| Frimley.....                      | Southern Counties..... | A2    |
| Frinton.....                      | Eastern Counties.....  | A1    |
| Frodsham.....                     | North-Western.....     | A     |
| Frome.....                        | South-Western.....     | A1    |
| Frosterley.....                   | Northern Counties..... | A2    |
| Fulbeck.....                      | Midlands.....          | A3    |
| Fulbourn.....                     | Eastern Counties.....  | A2    |
| Full Sutton.....                  | Yorkshire.....         | A2    |
| Gainford.....                     | Northern Counties..... | A2    |
| Gainsborough R.D.....             | Midlands.....          | A2    |
| Gainsborough U.D.....             | Midlands.....          | A1    |
| Galby.....                        | Midlands.....          | A     |
| Gamston.....                      | Midlands.....          | A     |
| Garforth U.D.....                 | Yorkshire.....         | A     |
| Garnant.....                      | S. Wales & Mon.....    | A     |
| Garsdale.....                     | Yorkshire.....         | A3    |
| Garstang.....                     | North-Western.....     | A     |
| Gateshead C.B.....                | Northern Counties..... | A     |
| Gayton (Staffs).....              | Midlands.....          | A2    |
| Gaywood.....                      | Eastern Counties.....  | A2    |
| Gerrard's Cross.....              | Southern Counties..... | A1    |
| Gilberdyke.....                   | Yorkshire.....         | A2    |
| Gillingham (Kent).....            | Southern Counties..... | A1    |
| Gillingham (Dorset).....          | South-Western.....     | A3    |
| Glaisdale.....                    | Northern Counties..... | A2    |
| Glanaman.....                     | S. Wales & Mon.....    | A     |
| Glanford Brigg R.D.* (part).....  | Yorkshire.....         | A     |
| Glanford Brigg R.D.* (part).....  | Yorkshire.....         | A1    |
| Glanford Brigg R.D.* (part).....  | Yorkshire.....         | A2    |
| Glascoed.....                     | S. Wales & Mon.....    | A     |
| Glastonbury.....                  | South Western.....     | A3    |
| Glendale R.D.....                 | Northern Counties..... | A1    |
| Glossop.....                      | North-Western.....     | A     |
| Gloucester.....                   | South-Western.....     | A1    |
| Gloucestershire* (County of)..... | South-Western.....     | A2    |
| Glusburn.....                     | Yorkshire.....         | A     |
| Gnosall.....                      | Midlands.....          | A1    |
| Godalming.....                    | Southern Counties..... | A2    |
| Goldington.....                   | Eastern Counties.....  | A     |
| Goole M.B. & R.D.* (part).....    | Yorkshire.....         | A     |
| Goole R.D. (part).....            | Yorkshire.....         | A1    |
| Goring-on-Thames.....             | Southern Counties..... | A2    |
| Gorleston.....                    | Eastern Counties.....  | A1    |
| Gorseinon.....                    | S. Wales & Mon.....    | A     |
| Gosforth U.D.....                 | Northern Counties..... | A     |
| Gosport.....                      | Southern Counties..... | A     |

*Gradings of Districts (Building Industry)*

| District                    | Region            | Grade |
|-----------------------------|-------------------|-------|
| Gowerton                    | S. Wales & Mon.   | A     |
| Goxhill                     | Yorkshire         | A2    |
| Grandborough                | Midlands          | A2    |
| Grange-over-Sands           | North-Western     | A     |
| Grantham M.B.               | Midlands          | A1    |
| Grasmere                    | North-Western     | A3    |
| Gravesend                   | Southern Counties | A     |
| Grays                       | Eastern Counties  | A     |
| Grays Thurrock U.D.         | Eastern Counties  | A     |
| Grayshott                   | Southern Counties | A2    |
| Great Baddow                | Eastern Counties  | A     |
| Great Chesterford           | Eastern Counties  | A3    |
| Great Dunmow                | Eastern Counties  | A3    |
| Greatford                   | Midlands          | A2    |
| Great Glen                  | Midlands          | A     |
| Great Hanwood               | Midlands          | A1    |
| Great Horkesley             | Eastern Counties  | A     |
| Great Houghton              | Midlands          | A     |
| Great Limber                | Yorkshire         | A     |
| Great Ness                  | Midlands          | A3    |
| Great Plumstead             | Eastern Counties  | A     |
| Great Stretton              | Midlands          | A     |
| Great Wyrley                | Midlands          | A     |
| Great Yarmouth              | Eastern Counties  | A1    |
| Greenhithe                  | Southern Counties | A     |
| Greenhow                    | Northern Counties | A2    |
| Grendon (part)              | Midlands          | A2    |
| Grendon (part)              | Midlands          | A1    |
| Grimley                     | Midlands          | A1    |
| Grimsby C.B. & R.D.* (part) | Yorkshire         | A     |
| Grimsby R.D.* (part)        | Midlands          | A3    |
| Grimston                    | Yorkshire         | A3    |
| Grinshill                   | Midlands          | A3    |
| Groombridge                 | Southern Counties | A2    |
| Grosmont (Mon.)             | S. Wales & Mon.   | A1    |
| Guarlford                   | Midlands          | A3    |
| Guildford                   | Southern Counties | A2    |
| Guildsborough               | Midlands          | A1    |
| Guisborough U.D.            | Northern Counties | A     |
| Guiseley                    | Yorkshire         | A     |
| Gunness                     | Yorkshire         | A     |
| Gwennap                     | South-Western     | A3    |
| Hackleton                   | Midlands          | A     |
| Hadleigh (Essex)            | Eastern Counties  | A     |
| Hadleigh (Suffolk)          | Eastern Counties  | A3    |
| Hadnall                     | Midlands          | A3    |
| Hagley                      | Midlands          | A     |
| Hallsam                     | Southern Counties | A2    |
| Halesowen M.B.              | Midlands          | A     |
| Hale Street                 | Southern Counties | A1    |
| Halesworth                  | Eastern Counties  | A3    |
| Halifax C.B.                | Yorkshire         | A     |
| Halsham                     | Yorkshire         | A2    |
| Halstead                    | Eastern Counties  | A2    |
| Haltemprce U.D.             | Yorkshire         | A     |

*Gradings of Districts (Building Industry)*

| District            | Region            | Grade |
|---------------------|-------------------|-------|
| Halton Park         | Southern Counties | A2    |
| Haltwhistle R.D.    | Northern Counties | A1    |
| Hampsthwaite        | Yorkshire         | A     |
| Hamsterley          | Northern Counties | A3    |
| Hamsterley Colliery | Northern Counties | A     |
| Handcross           | Southern Counties | A2    |
| Hanley Castle       | Midlands          | A3    |
| Hardenhuish         | South-Western     | A2    |
| Hardingstone        | Midlands          | A     |
| Haresfield          | South-Western     | A1    |
| Harewood            | Yorkshire         | A     |
| Harlaston (Staffs)  | Midlands          | A1    |
| Harlech             | North-Western     | A3    |
| Harleston (Suffolk) | Eastern Counties  | A3    |
| Harlestone          | Midlands          | A     |
| Harlow              | Eastern Counties  | A1    |
| Harpenden           | Eastern Counties  | A1    |
| Harpole             | Midlands          | A     |
| Harrington          | North-Western     | A     |
| Harrogate M.B.      | Yorkshire         | A     |
| Hartfield           | Southern Counties | A2    |
| Hartland            | South-Western     | A2    |
| Hartlepool B.       | Northern Counties | A     |
| Hartley Wintney     | Southern Counties | A2    |
| Harwell             | Southern Counties | A2    |
| Harwich             | Eastern Counties  | A1    |
| Haslemere           | Southern Counties | A2    |
| Hastings            | Southern Counties | A2    |
| Hatcliffe           | Midlands          | A3    |
| Hatfield            | Yorkshire         | A3    |
| Hatfield            | Eastern Counties  | A     |
| Hatfield Woodhouse  | Yorkshire         | A1    |
| Hatherleigh         | South-Western     | A2    |
| Hathersage          | Yorkshire         | A3    |
| Hatherton           | Midlands          | A     |
| Havant              | Southern Counties | A2    |
| Haverah Park        | Yorkshire         | A     |
| Haverfordwest       | S. Wales & Mon.   | A1    |
| Haverhill           | Eastern Counties  | A3    |
| Hawarden            | North-Western     | A     |
| Hawerby-cum-Beesby  | Midlands          | A3    |
| Hawkhurst           | Southern Counties | A2    |
| Hay                 | S. Wales & Mon.   | A3    |
| Haydock             | North-Western     | A     |
| Hayfield            | North-Western     | A1    |
| Hayling Island      | Southern Counties | A2    |
| Haywards Heath      | Southern Counties | A2    |
| Haywood Oaks        | Midlands          | A     |
| Hazelwood           | Midlands          | A2    |
| Heacham             | Eastern Counties  | A2    |
| Healough            | Yorkshire         | A3    |
| Heanor U.D.         | Midlands          | A     |
| Heathfield          | Southern Counties | A2    |
| Hebburn U.D.        | Northern Counties | A     |
| Hebden Royd U.D.    | Yorkshire         | A     |
| Heddon-on-the-Wall  | Northern Counties | A     |
| Hedon M.B.          | Yorkshire         | A     |

*Gradings of Districts (Building Industry)*

| District                   | Region            | Grade |
|----------------------------|-------------------|-------|
| Helmsley R.D.              | Yorkshire         | A3    |
| Helston                    | South-Western     | A3    |
| Hemel Hempstead            | Eastern Counties  | A1    |
| Hemsworth U.D. & R.D.      | Yorkshire         | A     |
| Henley-on-Thames           | Southern Counties | A2    |
| Henlow                     | Eastern Counties  | A2    |
| Hereford                   | South-Western     | A2    |
| Herefordshire* (County of) | South-Western     | A2    |
| Herne Bay                  | Southern Counties | A2    |
| Herriard                   | Southern Counties | A2    |
| Hertford                   | Eastern Counties  | A     |
| Hertfordshire:* Belt A     | Eastern Counties  | A     |
| Hertfordshire:* Belt B     | Eastern Counties  | A3    |
| Hessay                     | Yorkshire         | A     |
| Hethersett                 | Eastern Counties  | A     |
| Hetton-le-Hole U.D.        | Northern Counties | A     |
| Hexham U.D.                | Northern Counties | A     |
| Hexham R.D. (part)         | Northern Counties | A     |
| Hexham R.D. (part)         | Northern Counties | A1    |
| Heysham                    | North-Western     | A     |
| Heyton                     | North-Western     | A2    |
| Heywood                    | North-Western     | A     |
| Hibaldstow                 | Yorkshire         | A2    |
| Hickling                   | Midlands          | A2    |
| Higham Ferrers M.B.        | Midlands          | A     |
| Highbridge                 | South-Western     | A3    |
| High Hurstwood             | Southern Counties | A2    |
| Higher Kinnerton           | North-Western     | A     |
| High Offley                | Midlands          | A2    |
| High Wycombe               | Southern Counties | A1    |
| Highworth                  | South-Western     | A2    |
| Hilton                     | Midlands          | A     |
| Hinkley U.D.               | Midlands          | A     |
| Hinderwell                 | Yorkshire         | A     |
| Hingham                    | Eastern Counties  | A3    |
| Hinstock                   | Midlands          | A3    |
| Hints (part)               | Midlands          | A     |
| Histon                     | Eastern Counties  | A2    |
| Hitchin                    | Eastern Counties  | A1    |
| Hockley Heath              | Midlands          | A1    |
| Hoddesdon                  | Eastern Counties  | A     |
| Hodnet                     | Midlands          | A3    |
| Holbrook                   | Eastern Counties  | A3    |
| Holderness R.D.* (part)    | Yorkshire         | A     |
| Holderness R.D.* (part)    | Yorkshire         | A3    |
| Hollington                 | Midlands          | A2    |
| Holloway                   | Midlands          | A2    |
| Holme                      | Yorkshire         | A2    |
| Hollym                     | Yorkshire         | A3    |
| Holme Pierrepoint          | Midlands          | A     |
| Holme-upon-Spalding Moor   | Yorkshire         | A2    |
| Holmfirth U.D.             | Yorkshire         | A     |
| Holmpton                   | Yorkshire         | A3    |
| Holt (Norfolk)             | Eastern Counties  | A3    |
| Holt (Wilts)               | South-Western     | A3    |
| Holye                      | Southern Counties | A2    |
| Holywell                   | North-Western     | A     |

*Gradings of Districts (Building Industry)*

| District                        | Region                 | Grade |
|---------------------------------|------------------------|-------|
| Honington.....                  | Midlands.....          | A3    |
| Honiton.....                    | South-Western.....     | A2    |
| Hook.....                       | Yorkshire.....         | A     |
| Hope Cove.....                  | South-Western.....     | A2    |
| Hope's Green.....               | Eastern Counties.....  | A1    |
| Horbury U.D.....                | Yorkshire.....         | A     |
| Horley.....                     | Southern Counties..... | A2    |
| Hornby (Lancs.).....            | North-Western.....     | A     |
| Horncastle U.D.....             | Midlands.....          | A3    |
| Horncastle R.D.....             | Midlands.....          | A3    |
| Horkstow.....                   | Yorkshire.....         | A     |
| Horndon-on-the-Hill.....        | Eastern Counties.....  | A     |
| Hornsea U.D.....                | Yorkshire.....         | A3    |
| Horsforth U.D.....              | Yorkshire.....         | A     |
| Horsham.....                    | Southern Counties..... | A2    |
| Horsham St. Faith.....          | Eastern Counties.....  | A     |
| Horsted Keynes.....             | Southern Counties..... | A2    |
| Horton.....                     | Midlands.....          | A     |
| Horwich.....                    | North-Western.....     | A     |
| Hotham.....                     | Yorkshire.....         | A2    |
| Hough-on-the-Hill.....          | Midlands.....          | A3    |
| Houghton.....                   | Northern Counties..... | A     |
| Houghton-le-Spring U.D.....     | Northern Counties..... | A     |
| Houghton-le-Hill.....           | Midlands.....          | A     |
| Houghton Regis.....             | Eastern Counties.....  | A3    |
| Hove.....                       | Southern Counties..... | A1    |
| Howden R.D.* (part).....        | Yorkshire.....         | A1    |
| Howden R.D.* (part).....        | Yorkshire.....         | A2    |
| Howdon-on-Tyne.....             | Northern Counties..... | A     |
| Hoyland Nether U.D.....         | Yorkshire.....         | A     |
| Hucknall Torkard U.D.....       | Midlands.....          | A     |
| Huddersfield C.B.....           | Yorkshire.....         | A     |
| Huddlestone-with-Newthorpe..... | Yorkshire.....         | A3    |
| Hull.....                       | Yorkshire.....         | A     |
| Humbleton.....                  | Yorkshire.....         | A3    |
| Hungerford.....                 | Southern Counties..... | A2    |
| Hungerton.....                  | Midlands.....          | A     |
| Hungry Bentley.....             | Midlands.....          | A2    |
| Hunstanton.....                 | Eastern Counties.....  | A2    |
| Hunstanworth.....               | Northern Counties..... | A3    |
| Huntington (Staffs).....        | Midlands.....          | A     |
| Huntingdon.....                 | Eastern Counties.....  | A3    |
| Hunwick.....                    | Northern Counties..... | A     |
| Hutton Cranswick.....           | Yorkshire.....         | A3    |
| Hutton Eandesley.....           | Yorkshire.....         | A3    |
| Hutton Magna.....               | Northern Counties..... | A2    |
| Hythe (Kent).....               | Southern Counties..... | A2    |
|                                 |                        |       |
| Idridgehay.....                 | Midlands.....          | A2    |
| Ilam.....                       | Midlands.....          | A3    |
| Ilfracombe.....                 | South-Western.....     | A2    |
| Ifton.....                      | S. Wales & Mon.....    | A1    |
| Ilkeston M.B.....               | Midlands.....          | A     |
| Ilkley U.D.....                 | Yorkshire.....         | A     |
| Ilminster.....                  | South-Western.....     | A3    |
| Immingham.....                  | Yorkshire.....         | A     |

**Gradings of Districts (Building Industry)**

| District                          | Region                 | Grade |
|-----------------------------------|------------------------|-------|
| Ingatstone.....                   | Eastern Counties.....  | A1    |
| Ingleby..                         | Northern Counties...   | A2    |
| Ingleton.....                     | Northern Counties...   | A2    |
| Ingoldmells.....                  | Midlands.....          | A2    |
| Inkberrow.....                    | Midlands.....          | A3    |
| Ipswich.....                      | Eastern Counties.....  | A     |
| Irthlingborough U.D.....          | Midlands.....          | A1    |
| Isle of Axholme R.D.....          | Yorkshire.....         | A1    |
| Isle of Grain.....                | Southern Counties..... | A1    |
| Isle of Sheppey.....              | Southern Counties..... | A2    |
| Isle of Thanet.....               | Southern Counties..... | A2    |
| Isle of Wight.....                | Southern Counties..... | A3    |
| Ivybridge.....                    | South-Western.....     | A2    |
| Jarrow M.B.....                   | Northern Counties...   | A     |
| Jarvis Brook .....                | Southern Counties...   | A2    |
| Kearby-with-Netherby .....        | Yorkshire.....         | A     |
| Keelby.....                       | Yorkshire.....         | A     |
| Kegworth.....                     | Midlands.....          | A     |
| Keighley M.B.....                 | Yorkshire.....         | A     |
| Kelvedon.....                     | Eastern Counties.....  | A3    |
| Kempsey.....                      | Midlands.....          | A1    |
| Kempston.....                     | Eastern Counties.....  | A     |
| Kendal.....                       | North-Western.....     | A     |
| Kenilworth U.D.....               | Midlands.....          | A     |
| Kenswick.....                     | Midlands.....          | A1    |
| Kentford.....                     | Eastern Counties.....  | A2    |
| Kessingland.....                  | Eastern Counties.....  | A1    |
| Keswick U.D.....                  | North-Western.....     | A2    |
| Kettering M.B.....                | Midlands.....          | A     |
| Kettering R.D.....                | Midlands.....          | A     |
| Kettlewell.....                   | Yorkshire.....         | A3    |
| Ketton R.D.....                   | Midlands.....          | A2    |
| Keyham.....                       | Midlands.....          | A     |
| Keyingham.....                    | Yorkshire.....         | A     |
| Keynsham.....                     | South-Western.....     | A     |
| Kidderminster Foreign (part)..... | Midlands.....          | A2    |
| Kidderminster M.B.....            | Midlands.....          | A     |
| Kidderminster R.D.* (part).....   | Midlands.....          | A     |
| Kidderminster R.D.* (part).....   | Midlands.....          | A2    |
| Kidlington.....                   | Southern Counties..... | A1    |
| Kidwelly.....                     | S. Wales & Mon.....    | A     |
| Kildale.....                      | Northern Counties..... | A2    |
| Kildwick.....                     | Yorkshire.....         | A     |
| Killinghall.....                  | Yorkshire.....         | A     |
| Killingholme North.....           | Yorkshire.....         | A2    |
| Killingholme South.....           | Yorkshire.....         | A2    |
| Kilpin.....                       | Yorkshire.....         | A1    |
| Kilsby.....                       | Midlands.....          | A     |
| Kineton.....                      | Midlands.....          | A3    |
| Kingsbridge.....                  | South-Western.....     | A2    |
| Kingsgate.....                    | Southern Counties..... | A2    |
| Kingakerswell.....                | South-Western.....     | A1    |



*Gradings of Districts (Building Industry)*

| District                | Region            | Grade |
|-------------------------|-------------------|-------|
| King's Lynn             | Eastern Counties  | A2    |
| King's Norton           | Midlands          | A     |
| Kingsteignton           | South-Western     | A1    |
| Kingston C.B.           | Midlands          | A3    |
| Kingston-upon-Hull      | Yorkshire         | A     |
| Kington                 | South-Western     | A3    |
| Kinmel                  | North-Western     | A3    |
| Kinnerley               | Midlands          | A3    |
| Kippax                  | Yorkshire         | A     |
| Kirby Moorside          | Yorkshire         | A3    |
| Kirkbridge              | North-Western     | A3    |
| Kirkburton U.D.         | Yorkshire         | A     |
| Kirkby-in-Ashfield U.D. | Midlands          | A     |
| Kirkby Lonsdale         | North-Western     | A3    |
| Kirkby Overblow         | Yorkshire         | A     |
| Kirkby Stephen          | North-Western     | A3    |
| Kirkby Wharfe           | Yorkshire         | A3    |
| Kirk Deighton           | Yorkshire         | A3    |
| Kirkham                 | North-Western     | A     |
| Kirmington              | Yorkshire         | A1    |
| Kirton                  | Midlands          | A2    |
| Kirton-in-Lindsey       | Yorkshire         | A2    |
| Kislingbury             | Midlands          | A     |
| Kiverton Park R.D.      | Yorkshire         | A1    |
| Knapton                 | Yorkshire         | A     |
| Knareborough U.D.       | Yorkshire         | A     |
| Knebworth               | Eastern Counties  | A1    |
| Knighton                | S. Wales & Mon.   | A3    |
| Knitsley                | Northern Counties | A     |
| Knockin                 | Midlands          | A3    |
| Knottingley U.D.        | Yorkshire         | A     |
| Knowle                  | Midlands          | A1    |
| Knutsford               | North-Western     | A1    |
| Kynocktown              | Eastern Counties  | A     |
| Laindon                 | Eastern Counties  | A1    |
| Lakenheath              | Eastern Counties  | A3    |
| Lambourn                | Southern Counties | A2    |
| Lancaster               | North-Western     | A     |
| Lanchester R.D.* (part) | Northern Counties | A     |
| Lanchester R.D.* (part) | Northern Counties | A3    |
| Langford (Beds)         | Eastern Counties  | A2    |
| Langford (Somerset)     | South-Western     | A3    |
| Langley                 | Midlands          | A3    |
| Langley Burrell         | South-Western     | A3    |
| Langley Park            | Northern Counties | A     |
| Lapworth                | Midlands          | A1    |
| Launceston              | South-Western     | A3    |
| Lavenham                | Eastern Counties  | A3    |
| Laverstoke              | Southern Counties | A2    |
| Laxton                  | Yorkshire         | A2    |
| Leadgate                | Northern Counties | A     |
| Leamington M.B.         | Midlands          | A     |
| Leamington Hastings     | Midlands          | A2    |
| Leatherhead             | Southern Counties | A     |
| Leavesden Green         | Eastern Counties  | A     |

*Gradings of Districts (Building Industry)*

| District                                | Region                 | Grade |
|---|------------------------|-------|
| Leaconfield.....                        | Yorkshire.....         | A     |
| Lead.....                               | Yorkshire.....         | A3    |
| Ledbury.....                            | South-Western.....     | A3    |
| Ledsham.....                            | Yorkshire.....         | A3    |
| Ledston.....                            | Yorkshire.....         | A3    |
| Lee Brockhurst.....                     | Midlands.....          | A3    |
| Leeds C.B.....                          | Yorkshire.....         | A     |
| Leek U.D.....                           | Midlands.....          | A     |
| Leek R.D.* (part).....                  | Midlands.....          | A     |
| Leek R.D.* (part).....                  | Midlands.....          | A2    |
| Leek R.D.* (part).....                  | Midlands.....          | A3    |
| Leicester C.B.....                      | Midlands.....          | A     |
| Leigh (Lancs).....                      | North-Western.....     | A     |
| Leighton Buzzard.....                   | Eastern Counties.....  | A2    |
| Leiston.....                            | Eastern Counties.....  | A3    |
| Leominster.....                         | South-Western.....     | A3    |
| Letchworth.....                         | Eastern Counties.....  | A1    |
| Lewes.....                              | Southern Counties..... | A2    |
| Leyburn R.D.....                        | Yorkshire.....         | A3    |
| Lexden.....                             | Eastern Counties.....  | A     |
| Leyland.....                            | North-Western.....     | A     |
| Lichfield M.B.....                      | Midlands.....          | A1    |
| Lichfield R.D.* (part).....             | Midlands.....          | A     |
| Lichfield R.D.* (part).....             | Midlands.....          | A1    |
| Lilbourne.....                          | Midlands.....          | A2    |
| Lincoln C.B.....                        | Midlands.....          | A     |
| Lindfield.....                          | Southern Counties..... | A2    |
| Lindhurst.....                          | Midlands.....          | A     |
| Lindridge.....                          | Midlands.....          | A3    |
| Lingfield.....                          | Southern Counties..... | A2    |
| Linslade.....                           | Southern Counties..... | A2    |
| Linton (Cambs).....                     | Eastern Counties.....  | A3    |
| Linton-on-Ouse Aerodrome.....           | Yorkshire.....         | A2    |
| Liphook.....                            | Southern Counties..... | A2    |
| Liskeard.....                           | South-Western.....     | A3    |
| Liss.....                               | Southern Counties..... | A2    |
| Little Comberton.....                   | Midlands.....          | A3    |
| Little Fenton.....                      | Yorkshire.....         | A2    |
| Littlehampton.....                      | Southern Counties..... | A2    |
| Little Houghton.....                    | Midlands.....          | A     |
| Little Ness.....                        | Midlands.....          | A3    |
| Littleport.....                         | Eastern Counties.....  | A3    |
| Little Ribston.....                     | Yorkshire.....         | A3    |
| Little Stretton.....                    | Midlands.....          | A     |
| Liverpool District*.....                | North-Western.....     | —     |
| Llanddarog (Carms).....                 | S. Wales & Mon.....    | A3    |
| Llandebie.....                          | S. Wales & Mon.....    | A1    |
| Llandrindodwells.....                   | S. Wales & Mon.....    | A3    |
| Llandilo.....                           | S. Wales & Mon.....    | A3    |
| Llandoverly.....                        | S. Wales & Mon.....    | A3    |
| Llandudno.....                          | North-Western.....     | A1    |
| Llanelly.....                           | S. Wales & Mon.....    | A     |
| Llanelly R.D.....                       | S. Wales & Mon.....    | A     |
| Llangollen.....                         | North-Western.....     | A3    |
| Llanishen (Mon.).....                   | S. Wales & Mon.....    | A1    |
| Llantrisant & Llan-wit-Vardre Area..... | S. Wales & Mon.....    | A     |
| Llanvihangel.....                       | S. Wales & Mon.....    | A1    |

*Gradings of Districts (Building Industry)*

| District                        | Region                 | Grade |
|---------------------------------|------------------------|-------|
| Llwhwr.....                     | S. Wales & Mon.....    | A     |
| Loddon.....                     | Eastern Counties.....  | A3    |
| Loftus U.D.....                 | Northern Counties..... | A     |
| London*                         | London.....            | —     |
| Long Bennington.....            | Midlands.....          | A3    |
| Longbenton U.D.....             | Northern Counties..... | A     |
| Longdon (part).....             | Midlands.....          | A1    |
| Long Eaton U.D.....             | Midlands.....          | A     |
| Longford.....                   | Midlands.....          | A2    |
| Long Marston (Yorks).....       | Yorkshire.....         | A3    |
| Long Marston.....               | Midlands.....          | A3    |
| Long Melford.....               | Eastern Counties.....  | A3    |
| Longridge.....                  | North-Western.....     | A     |
| Long Whatton.....               | Midlands.....          | A     |
| Looc.....                       | South-Western.....     | A3    |
| Lotherton-cum-Aberford.....     | Yorkshire.....         | A3    |
| Loughborough M.B.....           | Midlands.....          | A     |
| Louth M.B.....                  | Midlands.....          | A2    |
| Louth R.D. (Midland part).....  | Midlands.....          | A2    |
| Lower Penn.....                 | Midlands.....          | A     |
| Lowestoft.....                  | Eastern Counties.....  | A1    |
| Lowfield Heath.....             | Southern Counties..... | A2    |
| Loxton.....                     | South-Western.....     | A2    |
| Ludlow M.B.....                 | Midlands.....          | A3    |
| Ludlow R.D.*.....               | Midlands.....          | A3    |
| Ludgvan.....                    | South-Western.....     | A3    |
| Luton.....                      | Eastern Counties.....  | A     |
| Lutterworth R.D.* (part).....   | Midlands.....          | A     |
| Lutterworth R.D.* (part).....   | Midlands.....          | A1    |
| Lydiard Millicent.....          | South-Western.....     | A3    |
| Lydney.....                     | South-Western.....     | A2    |
| Lyme Regis.....                 | South-Western.....     | A3    |
| Lynham (Devon).....             | South-Western.....     | A1    |
| Lynton.....                     | South-Western.....     | A2    |
| Lytham.....                     | North-Western.....     | A     |
|                                 |                        |       |
| Mablethorpe and Sutton U.D..... | Midlands.....          | A3    |
| Macclesfield.....               | North-Western.....     | A1    |
| Maesteg and Valley.....         | S. Wales & Mon.....    | A     |
| Maidenhead.....                 | Southern Counties..... | A1    |
| Maidstone.....                  | Southern Counties..... | A1    |
| Maldon.....                     | Eastern Counties.....  | A2    |
| Malmesbury.....                 | South-Western.....     | A     |
| Malpas.....                     | North-Western.....     | A1    |
| Maltby U.D.....                 | Yorkshire.....         | A     |
| Malton U.D. and R.D.....        | Yorkshire.....         | A3    |
| Malvern U.D.....                | Midlands.....          | A2    |
| Manchester.....                 | North-Western.....     | A     |
| Manningtree.....                | Eastern Counties.....  | A1    |
| Mansfield M.B.....              | Midlands.....          | A     |
| Mansfield Woodhouse U.D.....    | Midlands.....          | A     |
| Manton.....                     | Yorkshire.....         | A2    |
| Mappleton.....                  | Yorkshire.....         | A3    |
| March.....                      | Eastern Counties.....  | A2    |
| Marchington.....                | Midlands.....          | A3    |
| Maresfield.....                 | Southern Counties..... | A2    |

**Gradings of Districts (Building Industry)**

| District                           | Region                | Grade |
|------------------------------------|-----------------------|-------|
| Margate.....                       | Southern Counties.... | A2    |
| Market Bosworth.....               | Midlands.....         | A3    |
| Market Bosworth R.D.* (part)...    | Midlands.....         | A     |
| Market Bosworth R.D.* (part)...    | Midlands.....         | A2    |
| Market Bosworth R.D.* (part)...    | Midlands.....         | A3    |
| Market Drayton.....                | North-Western.....    | A2    |
| Market Harborough U.D.....         | Midlands.....         | A1    |
| Market Harborough R.D.....         | Midlands.....         | A1    |
| Market Rasen U.D.....              | Midlands.....         | A3    |
| Market Weighton.....               | Yorkshire.....        | A2    |
| Markyate.....                      | Eastern Counties..... | A3    |
| Marley Hill.....                   | Northern Counties.... | A     |
| Marlow.....                        | Southern Counties.... | A1    |
| Marsh Green.....                   | Southern Counties.... | A2    |
| Marston Montgomery.....            | Midlands.....         | A2    |
| Martlesham.....                    | Eastern Counties..... | A3    |
| Martley R.D.* (part).....          | Midlands.....         | A1    |
| Martley R.D.* (part).....          | Midlands.....         | A3    |
| Martock.....                       | South-Western.....    | A3    |
| Marton (Warwick).....              | Midlands.....         | A2    |
| Marwood.....                       | Northern Counties.... | A3    |
| Maryport.....                      | North-Western.....    | A     |
| Masham R.D.....                    | Yorkshire.....        | A3    |
| Matlock U.D.....                   | Midlands.....         | A1    |
| Mayfield (Staffs).....             | Midlands.....         | A3    |
| Meadowfield.....                   | Northern Counties.... | A     |
| Mealo.....                         | North-Western.....    | A2    |
| Medomsley.....                     | Northern Counties.... | A     |
| Melbourn (Camsb).....              | Eastern Counties..... | A3    |
| Melksham.....                      | South-Western.....    | A2    |
| Meltham U.D.....                   | Yorkshire.....        | A     |
| Melton.....                        | Eastern Counties..... | A3    |
| Melton and Belvoir R.D.* (part)... | Midlands.....         | A2    |
| Melton and Belvoir R.D.* (part)... | Midlands.....         | A3    |
| Melton Constable.....              | Eastern Counties..... | A3    |
| Melton Mowbray U.D.....            | Midlands.....         | A2    |
| Melton Ross.....                   | Yorkshire.....        | A2    |
| Mercaston.....                     | Midlands.....         | A2    |
| Merevale.....                      | Midlands.....         | A2    |
| Meriden R.D.....                   | Midlands.....         | A     |
| Merionethshire.....                | North-Western.....    | A3    |
| Mersa Island.....                  | Eastern Counties..... | A1    |
| Morthyr and Aberdare Distict....   | S. Wales & Mon.....   | A     |
| Messingham.....                    | Yorkshire.....        | A     |
| Methwold.....                      | Eastern Counties..... | A3    |
| Mexborough U.D.....                | Yorkshire.....        | A     |
| Micklefield.....                   | Yorkshire.....        | A3    |
| Midcable.....                      | Northern Counties.... | A2    |
| Middle Wallop.....                 | Southern Counties.... | A2    |
| Middlesbrough C.B.....             | Northern Counties.... | A     |
| Middleton (Lancs).....             | North-Western.....    | A     |
| Middleton (Warwick).....           | Midlands.....         | A     |
| Middleton-in-Teesdale.....         | Northern Counties.... | A3    |
| Middlewich.....                    | North-Western.....    | A1    |
| Midhurst.....                      | Southern Counties.... | A2    |
| Mildenhall.....                    | Eastern Counties..... | A3    |
| Milford Haven.....                 | S. Wales & Mon.....   | A2    |

*Gradings of Districts (Building Industry)*

| District                       | Region                 | Grade |
|--------------------------------|------------------------|-------|
| Millom.....                    | North-Western.....     | A2    |
| Milton.....                    | Midlands.....          | A     |
| Milton-under-Wychwood.....     | Southern Counties..... | A2    |
| Milverton.....                 | South-Western.....     | A3    |
| Minchinhampton.....            | South-Western..        | A2    |
| Minehead.....                  | South-Western.....     | A3    |
| Minster in Thanet.....         | Southern Counties..    | A2    |
| Minsterley.....                | Midlands.....          | A1    |
| Mirfield U.D.....              | Yorkshire.....         | A     |
| Mistley.....                   | Eastern Counties..     | A1    |
| Mold.....                      | North-Western..        | A1    |
| Monkseaton U.D.....            | Northern Counties..    | A     |
| Monkton (Kent).....            | Southern Counties..    | A2    |
| Monmouthshire*                 | S. Wales & Mon..       | A2    |
| Monmouthshire Valleys.....     | S. Wales & Mon.....    | A     |
| Monmouth Town.....             | S. Wales & Mon..       | A1    |
| Montford.....                  | Midlands.....          | A1    |
| Montgomeryshire.....           | North-Western.....     | A3    |
| Monyash.....                   | North-Western..        | A3    |
| Morecambe.....                 | North-Western..        | A     |
| Moreton Corbet.....            | Midlands.....          | A3    |
| Moreton-Hampstead.....         | South-Western..        | A2    |
| Moreton-in-Marsh.....          | South-Western.....     | A3    |
| Moreton Morrell.....           | Midlands.....          | A3    |
| Moreton-on-Lugg.....           | South-Western..        | A3    |
| Moreton Valence.....           | South-Western..        | A2    |
| Morley M.B.....                | Yorkshire.....         | A     |
| Morpeth B.....                 | Northern Counties..    | A     |
| Morpeth R.D.* (part).....      | Northern Counties..    | A     |
| Morthoe.....                   | South-Western.....     | A2    |
| Mortimer.....                  | Southern Counties..    | A2    |
| Mostyn.....                    | North-Western.....     | A3    |
| Moulton.....                   | Midlands.....          | A     |
| Much Hadham.....               | Eastern Counties..     | A1    |
| Much Wenlock Parish.....       | Midlands.....          | A3    |
| Muggleswick.....               | Northern Counties..    | A3    |
| Mundesley.....                 | Eastern Counties..     | A2    |
| Myddle.....                    | Midlands.....          | A3    |
|                                |                        |       |
| Nantwich.....                  | North-Western.....     | A1    |
| Naphill (Bucks).....           | Southern Counties..    | A2    |
| Neath and Valley.....          | S. Wales & Mon..       | A     |
| Needham Market.....            | Eastern Counties..     | A3    |
| Nelson.....                    | North-Western.....     | A     |
| Nether Langwith.....           | Midlands.....          | A     |
| Nether Poppleton.....          | Yorkshire.....         | A     |
| Nether Stowey.....             | South-Western.....     | A3    |
| Netherton (Worcs.).....        | Midlands.....          | A     |
| Newark-on-Trent M.B.....       | Midlands.....          | A     |
| Newark-on-Trent R.D.....       | Midlands.....          | A1    |
| Newbiggin.....                 | Northern Counties..    | A3    |
| Newbiggin (Northumb.) U.D..... | Northern Counties..    | A     |
| Newbiggin-by-the-Sea.....      | Northern Counties..    | A     |
| Newbold Vernon.....            | Midlands.....          | A3    |
| New Brancepeth.....            | Northern Counties..    | A     |

*Gradings of Districts (Building Industry)*

| District                         | Region            | Grade |
|----------------------------------|-------------------|-------|
| Newburn U.D.                     | Northern Counties | A     |
| Newbury                          | Southern Counties | A2    |
| Newcastle Emlyn                  | S. Wales & Mon.   | A3    |
| Newcastle-on-Tyne C.B.           | Northern Counties | A     |
| Newcastle-under-Lyme M.B.        | Midlands          | A     |
| Newcastle-under-Lyme R.D. (part) | Midlands          | A     |
| New Chapel                       | Southern Counties | A2    |
| Newent                           | South-Western     | A2    |
| New Forest District              | Southern Counties | A2    |
| Newhaven                         | Southern Counties | A2    |
| Newick                           | Southern Counties | A2    |
| Newmarket                        | Eastern Counties  | A2    |
| New Mills                        | North-Western     | A1    |
| Newlyn                           | South-Western     | A3    |
| Newnham                          | South-Western     | A2    |
| Newport                          | Yorkshire         | A2    |
| Newport (Mon.)                   | S. Wales & Mon.   | A     |
| Newport (Salop) U.D.             | Midlands          | A2    |
| Newport R.D.                     | Midlands          | A2    |
| Newport Pagnall                  | Southern Counties | A2    |
| Newquay                          | South-Western     | A3    |
| Newton Abbot                     | South-Western     | A1    |
| Newton Bromshold                 | Midlands          | A2    |
| Newton Kyne                      | Yorkshire         | A2    |
| Newton Mulgrave                  | Northern Counties | A2    |
| Nidd                             | Yorkshire         | A     |
| Nidderdale R.D. * (part)         | Yorkshire         | A     |
| Nidderdale R.D. * (part)         | Yorkshire         | A3    |
| Norbury                          | Midlands          | A2    |
| Norhan and Islandshire R.D.      | Northern Counties | A1    |
| Normanton (Lincs)                | Midlands          | A3    |
| Normanton U.D.                   | Yorkshire         | A     |
| Northallerton U.D.               | Northern Counties | A     |
| Northallerton R.D.               | Northern Counties | A     |
| Northam                          | South-Western     | A2    |
| Northampton C.B.                 | Midlands          | A     |
| Northampton R.D. * (part)        | Midlands          | A     |
| Northampton R.D. * (part)        | Midlands          | A1    |
| Northampton R.D. * (part)        | Midlands          | A2    |
| North Cove                       | Yorkshire         | A2    |
| North Deighton                   | Yorkshire         | A3    |
| North Disney                     | Midlands          | A1    |
| Northfleet                       | Southern Counties | A     |
| North Hallow                     | Midlands          | A1    |
| North Herts* (part)              | Eastern Counties  | A1    |
| North Herts* (part)              | Eastern Counties  | A2    |
| North Kesteven R.D.* (part)      | Midlands          | A     |
| North Kesteven R.D.* (part)      | Midlands          | A1    |
| North Mimms                      | Eastern Counties  | A     |
| Northop                          | North-Western     | A1    |
| North Petherton                  | South-Western     | A3    |
| North Shields                    | Northern Counties | A     |
| North Walsham                    | Eastern Counties  | A3    |
| North Weald                      | Eastern Counties  | A     |
| North-West Durham*               | Northern Counties | A     |
| North and West Kent*             | Southern Counties | A1    |
| Northwich                        | North-Western     | A1    |

*Gradings of Districts (Building Industry)*

| District                         | Region                  | Grade |
|----------------------------------|-------------------------|-------|
| Northwold .....                  | Eastern Counties .....  | A3    |
| Norton U.D. and R.D. ....        | Yorkshire .....         | A3    |
| Norton Disney .....              | Midlands .....          | A1    |
| Norton-in-the-Moors .....        | Midlands .....          | A     |
| Norton Juxta Kempsey .....       | Midlands .....          | A1    |
| Norton-Radstock .....            | South-Western .....     | A1    |
| Norwich .....                    | Eastern Counties .....  | A     |
| Nottingham C.B. ....             | Midlands .....          | A     |
| Nuneaton M.B. ....               | Midlands .....          | A     |
| Nutley .....                     | Southern Counties ..... | A2    |
|                                  |                         |       |
| Oadby U.D. ....                  | Midlands .....          | A     |
| Oakengates U.D. ....             | Midlands .....          | A1    |
| Oakham R.D. ....                 | Midlands .....          | A2    |
| Oakham U.D. ....                 | Midlands .....          | A2    |
| Ockendon .....                   | Eastern Counties .....  | A     |
| Ogbourne St. George .....        | South-Western .....     | A3    |
| Ogmore and Garw Valleys .....    | S. Wales & Mon. ....    | A     |
| Okehampton .....                 | South-Western .....     | A2    |
| Okeover .....                    | Midlands .....          | A3    |
| Old Buckenham .....              | Eastern Counties .....  | A3    |
| Oldbury M.B. ....                | Midlands .....          | A     |
| Old Fletton .....                | Eastern Counties .....  | A     |
| Oldham .....                     | North-Western .....     | A     |
| Ollerton .....                   | Midlands .....          | A     |
| Olton .....                      | Midlands .....          | A     |
| Ombersley .....                  | Midlands .....          | A2    |
| Ongar .....                      | Eastern Counties .....  | A     |
| Ormskirk .....                   | North-Western .....     | A     |
| Orsett .....                     | Eastern Counties .....  | A     |
| Osbaston .....                   | Midlands .....          | A3    |
| Osgoldcrosse R.D. ....           | Yorkshire .....         | A     |
| Ossett M.B. ....                 | Yorkshire .....         | A     |
| Oswestry .....                   | North-Western .....     | A2    |
| Oswestry R.D.* (Midland part) .. | Midlands .....          | A3    |
| Otley U.D. ....                  | Yorkshire .....         | A     |
| Ottery St. Mary .....            | South-Western .....     | A2    |
| Ottringham .....                 | Yorkshire .....         | A3    |
| Oughterside .....                | North-Western .....     | A2    |
| Oundle U.D. ....                 | Midlands .....          | A2    |
| Oundle and Thrapston R.D. ....   | Midlands .....          | A2    |
| Over .....                       | North-Western .....     | A1    |
| Overstone .....                  | Midlands .....          | A     |
| Overton .....                    | Southern Counties ..... | A2    |
| Ovington .....                   | Northern Counties ..... | A     |
| Ovington (N.R., Yorks) .....     | Northern Counties ..... | A2    |
| Oxford .....                     | Southern Counties ..... | A     |
| Oxted .....                      | Southern Counties ..... | A1    |
| Oxton .....                      | Yorkshire .....         | A3    |
|                                  |                         |       |
| Padstow .....                    | South-Western .....     | A3    |
| Paignton .....                   | South-Western .....     | A1    |
| Pakefield .....                  | Eastern Counties .....  | A1    |
| Pangbourne .....                 | Southern Counties ..... | A2    |

*Gradings of Districts (Building Industry)*

| District   | Region                 | Grade |
|--|------------------------|-------|
| Pannal.....  | Yorkshire.....         | A     |
| Pantyyfynnon.....                                    | S. Wales & Mon.....    | A     |
| Par.....   | South-Western.....     | A3    |
| Parlington.....                                      | Yorkshire.....         | A     |
| Patrinton.....                                       | Yorkshire.....         | A3    |
| Pattishall.....                                      | Midlands.....          | A3    |
| Paul.....  | Yorkshire.....         | A     |
| Peas Pottage.....                                    | Southern Counties..... | A2    |
| Peckleton.....                                       | Midlands.....          | A3    |
| Pembroke Dock.....                                   | S. Wales & Mon.....    | A2    |
| Pembroke Town.....                                   | S. Wales & Mon.....    | A2    |
| Pembrokeshire* (County of) (part).....               | S. Wales & Mon.....    | A3    |
| Pendine.....   | S. Wales & Mon.....    | A3    |
| Penistone U.D. and R.D.....                          | Yorkshire.....         | A     |
| Penkridge (part).....                                | Midlands.....          | A     |
| Penrith.....   | North-Western.....     | A2    |
| Pensax.....  | Midlands.....          | A3    |
| Penzance.....  | South-Western.....     | A3    |
| Penybank.....  | S. Wales & Mon.....    | A     |
| Perlethorpe.....                                     | Midlands.....          | A     |
| Pershore R.D.* (part).....                           | Midlands.....          | A1    |
| Pershore R.D.* (part).....                           | Midlands.....          | A3    |
| Peterborough (Borough).....                          | Eastern Counties.....  | A     |
| Peterborough R.D. (Eastern<br>Regional portion)..... | Eastern Counties.....  | A3    |
| Peterborough (Soke of).....                          | Eastern Counties.....  | A1    |
| Petersfield.....                                     | Southern Counties..... | A2    |
| Petworth.....  | Southern Counties..... | A2    |
| Pevensay.....  | Southern Counties..... | A1    |
| Pewsey.....  | South-Western.....     | A3    |
| Pickering U.D. and R.D.....                          | Yorkshire.....         | A3    |
| Piltdown.....  | Southern Counties..... | A2    |
| Pimhill.....   | Midlands.....          | A1    |
| Pitminster.....                                      | South-Western.....     | A3    |
| Pitsea.....  | Eastern Counties.....  | A1    |
| Pitsford.....  | Midlands.....          | A     |
| Plymouth.....  | South-Western.....     | A     |
| Pocklington R.D.....                                 | Yorkshire.....         | A2    |
| Polegate.....  | Southern Counties..... | A1    |
| Polesworth.....                                      | Midlands.....          | A1    |
| Pontardawe and Swansea Valley.....                   | S. Wales & Mon.....    | A     |
| Pontefract M.B.....                                  | Yorkshire.....         | A     |
| Ponteland.....                                       | Northern Counties..... | A     |
| Pontesbury.....                                      | Midlands.....          | A1    |
| Pontypool and District.....                          | S. Wales & Mon.....    | A     |
| Pontypridd U.D.....                                  | S. Wales & Mon.....    | A     |
| Poole.....   | Southern Counties..... | A1    |
| Porthcawl.....                                       | S. Wales & Mon.....    | A     |
| Portishead.....                                      | South-Western.....     | A     |
| Portland, Stoneyards.....                            | South-Western.....     | A     |
| Portsmouth.....                                      | Southern Counties..... | A     |
| Port Talbot.....                                     | S. Wales & Mon.....    | A     |
| Postern.....   | Midlands.....          | A2    |
| Poulton.....   | North-Western.....     | A     |
| Powick.....  | Midlands.....          | A1    |
| Prescot.....   | North-Western.....     | A     |
| Prestatyn.....                                       | North-Western.....     | A1    |



*Gradiings of Districts (Building Industry)*

| District                     | Region                  | Grade |
|------------------------------|-------------------------|-------|
| Prestbury .....              | North-Western.....      | A1    |
| Preston (Lancs).....         | North-Western.....      | A     |
| Preston (Yorks).....         | Yorkshire.....          | A     |
| Preston Bagot .....          | Midlands.....           | A3    |
| Princetown .....             | South-Western.....      | A2    |
| Prittlewell.....             | Eastern Counties.....   | A     |
| Prudhoe U.D.....             | Northern Counties ..... | A     |
| Pucklechurch.....            | South-Western.....      | A2    |
| Pudsey M.B.....              | Yorkshire.....          | A     |
| Pulborough .....             | Southern Counties ..... | A2    |
| Purfleet .....               | Eastern Counties.....   | A     |
| Purton .....                 | South-Western.....      | A3    |
| Queensbury U.D. ....         | Yorkshire .....         | A     |
| Queensferry.....             | North-Western .....     | A     |
| Quinton (Northants).....     | Midlands.....           | A     |
| Quinton (Warwick).....       | Midlands.....           | A3    |
| Radcliffe .....              | North-Western.....      | A     |
| Radnorshire (County of)..... | S. Wales & Mon.....     | A3    |
| Raglan.....                  | S. Wales & Mon.....     | A1    |
| Rainford .....               | North-Western.....      | A     |
| Ramsbury.....                | South-Western.....      | A     |
| Ramsey (Hunts).....          | Eastern Counties.....   | A3    |
| Ramsgate .....               | Southern Counties.....  | A2    |
| Raunds U.D.....              | Midlands.....           | A2    |
| Ravensdale Park.....         | Midlands.....           | A2    |
| Rawdon .....                 | Yorkshire.....          | A     |
| Rawmarsh U.D.....            | Yorkshire.....          | A     |
| Rayleigh .....               | Eastern Counties.....   | A1    |
| Reading .....                | Southern Counties.....  | A     |
| Redbourn .....               | Eastern Counties.....   | A1    |
| Redbourne .....              | Yorkshire.....          | A2    |
| Redcar B.....                | Northern Counties ..... | A     |
| Redditch U D.....            | Midlands.....           | A     |
| Redhill.....                 | Southern Counties.....  | A     |
| Redmile.....                 | Midlands.....           | A3    |
| Redruth .....                | South-Western.....      | A3    |
| Reeth R.D.....               | Northern Counties.....  | A3    |
| Reigate.....                 | Southern Counties.....  | A     |
| Repton R D.....              | Midlands.....           | A     |
| Reydon .....                 | Eastern Counties.....   | A3    |
| Rhondda Valley .....         | S. Wales & Mon.....     | A     |
| Rhuddlan .....               | North-Western.....      | A2    |
| Rhyl.....                    | North-Western.....      | A1    |
| Riby.....                    | Yorkshire.....          | A     |
| Richmond M.B.....            | Northern Counties.....  | A     |
| Richmond R.D.....            | Northern Counties.....  | A     |
| Rickmansworth.....           | Eastern Counties.....   | A     |
| Riding .....                 | Northern Counties.....  | A     |
| Rigton .....                 | Yorkshire.....          | A     |
| Rimswell.....                | Yorkshire.....          | A3    |
| Ripley .....                 | Yorkshire.....          | A     |
| Ripley U.D.....              | Midlands.....           | A     |
| Ripon M.B.....               | Yorkshire.....          | A3    |

**Gradings of Districts (Building Industry)**

| District                     | Region            | Grade |
|------------------------------|-------------------|-------|
| Ripon and Pately Bridge R.D. | Yorkshire         | A3    |
| Ripponden U.D.               | Yorkshire         | A     |
| Rise                         | Yorkshire         | A3    |
| Riston                       | Yorkshire         | A     |
| Rocester                     | Midlands          | A3    |
| Rochdale                     | North-Western     | A     |
| Roche                        | South-Western     | A3    |
| Rochester                    | Southern Counties | A1    |
| Rochford                     | Eastern Counties  | A     |
| Rock                         | Midlands          | A2    |
| Rodsley                      | Midlands          | A2    |
| Roggiett                     | S. Wales & Mon.   | A1    |
| Rokeyby                      | Northern Counties | A2    |
| Romney                       | Southern Counties | A2    |
| Romsey                       | Southern Counties | A2    |
| Romsley                      | Midlands          | A2    |
| Roos                         | Yorkshire         | A3    |
| Rosendale Valley             | North-Western     | A     |
| Rosa-on-Wye                  | South-Western     | A3    |
| Roston                       | Midlands          | A2    |
| Rothbury R.D.                | Northern Counties | A1    |
| Rotherham C.B. and R.D.      | Yorkshire         | A     |
| Rothersthorpe                | Midlands          | A     |
| Rothwell U.D.                | Yorkshire         | A     |
| Rothwell (Northants) U.D.    | Midlands          | A     |
| Rowhedge                     | Eastern Counties  | A     |
| Rowington                    | Midlands          | A1    |
| Rowlands Gill                | Northern Counties | A     |
| Rowley Regis M.B.            | Midlands          | A     |
| Roxby                        | Northern Counties | A2    |
| Roxby-cum-Risby              | Yorkshire         | A     |
| Royston                      | Eastern Counties  | A2    |
| Royston U.D.                 | Yorkshire         | A     |
| Ruabon                       | North-Western     | A1    |
| Rufford                      | Midlands          | A     |
| Rufforth                     | Yorkshire         | A     |
| Rugby M.B.                   | Midlands          | A     |
| Rugby R.D.* (part)           | Midlands          | A     |
| Rugby R.D.* (part)           | Midlands          | A2    |
| Rugeley U.D.                 | Midlands          | A2    |
| Runcorn                      | North-Western     | A     |
| Runwell                      | Eastern Counties  | A1    |
| Rushden U.D.                 | Midlands          | A     |
| Rushton                      | Midlands          | A     |
| Ruthin                       | North-Western     | A2    |
| Ruyton-xi-Towns              | Midlands          | A3    |
| Rye                          | Southern Counties | A2    |
| Ryther-cum-Ossendyke         | Yorkshire         | A3    |
| Ryton U.D.                   | Northern Counties | A     |
| Sacrison                     | Northern Counties | A     |
| Saddleworth U.D.             | Yorkshire         | A     |
| Saffron Walden               | Eastern Counties  | A2    |
| St. Agnes                    | South-Western     | A3    |
| St. Albans                   | Eastern Counties  | A     |
| St. Anne's                   | North-Western     | A     |

*Gradings of Districts (Building Industry)*

| District                        | Region                 | Grade |
|---------------------------------|------------------------|-------|
| St. Asaph.....                  | North-Western.....     | A2    |
| St. Austell.....                | South-Western.....     | A3    |
| St. Columb Major.....           | South-Western.....     | A3    |
| St. Davids.....                 | S. Wales & Mon.....    | A3    |
| St. Erth.....                   | South-Western.....     | A3    |
| St. Helens.....                 | North-Western.....     | A     |
| St. Ives (Hunts).....           | Eastern Counties.....  | A3    |
| St. Ives (Cornwall).....        | South-Western.....     | A3    |
| St. John-in-Bedwardine.....     | Midlands.....          | A1    |
| St. Lawrence (Kent).....        | Southern Counties..... | A2    |
| St. Martins Without.....        | Midlands.....          | A1    |
| St. Neots.....                  | Eastern Counties.....  | A2    |
| St. Nicholas.....               | Southern Counties..... | A2    |
| St. Osyth.....                  | Eastern Counties.....  | A1    |
| St. Peter's.....                | Southern Counties..... | A2    |
| St. Peter the Great County..... | Midlands.....          | A1    |
| Salcombe.....                   | South-Western.....     | A2    |
| Salisbury City.....             | South-Western.....     | A2    |
| Salisbury Plain.....            | South-Western.....     | A2    |
| Saltburn and Marske U.D.....    | Northern Counties..... | A     |
| Sambourn.....                   | Midlands.....          | A1    |
| Sandbach.....                   | North-Western.....     | A     |
| Sandon (part).....              | Midlands.....          | A1    |
| Sandy.....                      | Eastern Counties.....  | A2    |
| Saredon.....                    | Midlands.....          | A     |
| Sarre.....                      | Southern Counties..... | A2    |
| Satley.....                     | Northern Counties..... | A     |
| Sawbridgeworth.....             | Eastern Counties.....  | A1    |
| Saxby-Allsaints.....            | Yorkshire.....         | A     |
| Saxmundham.....                 | Eastern Counties.....  | A3    |
| Saxton-cum-Scarthingwell.....   | Yorkshire.....         | A3    |
| Scalby U.D.....                 | Yorkshire.....         | A1    |
| Scarborough M.B.....            | Yorkshire.....         | A     |
| Scarborough R.D.....            | Yorkshire.....         | A1    |
| Scarcroft.....                  | Yorkshire.....         | A     |
| Scawby.....                     | Yorkshire.....         | A2    |
| Scaynes Hill.....               | Southern Counties..... | A2    |
| Scotton.....                    | Yorkshire.....         | A     |
| Scraftoft.....                  | Midlands.....          | A     |
| Scriven.....                    | Yorkshire.....         | A     |
| Scunthorpe M.B.....             | Yorkshire.....         | A     |
| Seaford.....                    | Southern Counties..... | A2    |
| Seaham U.D.....                 | Northern Counties..... | A     |
| Seahouses.....                  | Northern Counties..... | A1    |
| Seascale.....                   | North-Western.....     | A     |
| Seaton.....                     | Yorkshire.....         | A3    |
| Seaton Valley U.D.....          | Northern Counties..... | A     |
| Sedbergh.....                   | North-Western.....     | A3    |
| Sedburgh R.D. (part).....       | Yorkshire.....         | A3    |
| Sedgefield R.D.....             | Northern Counties..... | A     |
| Sedgley U.D.....                | Midlands.....          | A     |
| Seisdon R.D.* (part).....       | Midlands.....          | A     |
| Seisdon R.D.* (part).....       | Midlands.....          | A1    |
| Selby U.D. and R.D.....         | Yorkshire.....         | A     |
| Settle R.D.....                 | Yorkshire.....         | A2    |
| Sevenoaks.....                  | Southern Counties..... | A1    |
| Severn Tunnel Junction.....     | S. Wales & Mon.....    | A2    |

*Gradings of Districts (Building Industry)*

| District                           | Region                 | Grade |
|------------------------------------|------------------------|-------|
| Shackerstone (part).....           | Midlands.....          | A3    |
| Shaftesbury.....                   | South-Western.....     | A3    |
| Shardlow R.D.....                  | Midlands.....          | A     |
| Shareshill.....                    | Midlands.....          | A     |
| Sharpness.....                     | South-Western.....     | A2    |
| Shawbury.....                      | Midlands.....          | A2    |
| Shawell.....                       | Midlands.....          | A     |
| Sheepy.....                        | Midlands.....          | A3    |
| Sheerness (see Isle of Sheppey).   |                        |       |
| Sheffield M.B.....                 | Yorkshire.....         | A     |
| Sheffield Park.....                | Southern Counties..... | A2    |
| Shefford.....                      | Eastern Counties.....  | A3    |
| Shelford.....                      | Eastern Counties.....  | A2    |
| Shenfield.....                     | Eastern Counties.....  | A     |
| Shenstone (part).....              | Midlands.....          | A     |
| Shephed U.D.....                   | Midlands.....          | A     |
| Shepton Mallet.....                | South-Western.....     | A3    |
| Sherborne (Dorset).....            | South-Western.....     | A3    |
| Sherburn (E. Yorks).....           | Yorkshire.....         | A3    |
| Sherburn-in-Elmet.....             | Yorkshire.....         | A2    |
| Sheringham.....                    | Eastern Counties.....  | A1    |
| Shifnal R.D.....                   | Midlands.....          | A1    |
| Shildon U.D.....                   | Northern Counties..... | A     |
| Shipley U.D.....                   | Yorkshire.....         | A     |
| Shipston-on-Stour R.D.....         | Midlands.....          | A3    |
| Shirley.....                       | Midlands.....          | A     |
| Shoeburyness.....                  | Eastern Counties.....  | A     |
| Shoreham (Sussex).....             | Southern Counties..... | A1    |
| Shotley Bridge.....                | Northern Counties..... | A     |
| Shotley Point.....                 | Eastern Counties.....  | A1    |
| Shottle.....                       | Midlands.....          | A2    |
| Shotton.....                       | North-Western.....     | A     |
| Shrewley.....                      | Midlands.....          | A1    |
| Shrewsbury M.B.....                | Midlands.....          | A     |
| Shrivenham.....                    | Southern Counties..... | A2    |
| Sible Hedingham.....               | Eastern Counties.....  | A3    |
| Sicklinghall.....                  | Yorkshire.....         | A     |
| Sidmouth.....                      | South-Western.....     | A2    |
| Sigglesthorne.....                 | Yorkshire.....         | A3    |
| Silloth.....                       | North-Western.....     | A3    |
| Silsden U.D.....                   | Yorkshire.....         | A     |
| Silverdale (Lancs).....            | North-Western.....     | A     |
| Silverton.....                     | South-Western.....     | A2    |
| Sirhowy Valleys.....               | S. Wales & Mon.....    | A     |
| Sittingbourne.....                 | Southern Counties..... | A2    |
| Skeffing.....                      | Yorkshire.....         | A3    |
| Skegness U.D.....                  | Midlands.....          | A1    |
| Skelton and Brotton U.D.....       | Northern Counties..... | A     |
| Skipton R.D. (part) and U.D.*..... | Yorkshire.....         | A2    |
| Skipton U.D. and R.D.* (part)..... | Yorkshire.....         | A3    |
| Skipton R.D.* (part).....          | Yorkshire.....         | A     |
| Skipton R.D.* (part).....          | Yorkshire.....         | A3    |
| Skirlaugh.....                     | Yorkshire.....         | A2    |
| Sleaford U.D.....                  | Midlands.....          | A3    |
| Slough.....                        | Southern Counties..... | A1    |
| Smallfield.....                    | Southern Counties..... | A2    |
| Smethwick C.B.....                 | Midlands.....          | A     |

*Gradings of Districts (Building Industry)*

| District                    | Region            | Grade |
|-----------------------------|-------------------|-------|
| Snaith                      | Yorkshire         | A1    |
| Snarestone                  | Midlands          | A3    |
| Snettisham                  | Eastern Counties  | A2    |
| Snittlegarth                | North-Western     | A3    |
| Snodland                    | Southern Counties | A1    |
| Soham                       | Eastern Counties  | A3    |
| Solihull U.D.* (part)       | Midlands          | A     |
| Solihull U.D.* (part)       | Midlands          | A1    |
| Somersall Herbert           | Midlands          | A2    |
| Somerset* (County of)       | South-Western     | A2    |
| Somerton                    | South-Western     | A3    |
| Southam R.D.                | Midlands          | A3    |
| Southampton                 | Southern Counties | A     |
| South Benfleet              | Eastern Counties  | A1    |
| South Brent                 | South-Western     | A2    |
| South Darenth               | Southern Counties | A     |
| Southend-on-Sea District    | Eastern Counties  | A     |
| South Ferriby               | Yorkshire         | A     |
| Southfleet                  | Southern Counties | A     |
| South Kesteven R.D.* (part) | Midlands          | A2    |
| South Kesteven R.D.* (part) | Midlands          | A3    |
| South Marston               | South-Western     | A3    |
| South Milford               | Yorkshire         | A3    |
| South Molton                | South-Western     | A2    |
| South Moor                  | Northern Counties | A     |
| Southorpe                   | Midlands          | A1    |
| Southport                   | North-Western     | A     |
| South Shields C.B.          | Northern Counties | A     |
| Southwell R.D.* (part)      | Midlands          | A     |
| Southwell R.D.* (part)      | Midlands          | A1    |
| Southwold                   | Eastern Counties  | A3    |
| Sowerby Bridge U.D.         | Yorkshire         | A     |
| Spalding U.D.               | Midlands          | A2    |
| Spalding R.D.               | Midlands          | A3    |
| Spaldington U.D.            | Yorkshire         | A1    |
| Spenborough U.D.            | Yorkshire         | A     |
| Spennymoor U.D.             | Northern Counties | A     |
| Spetchley                   | Midlands          | A1    |
| Spilsby R.D.* (part)        | Midlands          | A3    |
| Spilsby R.D.* (part)        | Midlands          | A2    |
| Spofforth-with-Stockeld     | Yorkshire         | A3    |
| Spratton (part)             | Midlands          | A     |
| Spring Hill                 | South-Western     | A2    |
| Sproatley                   | Yorkshire         | A     |
| Stafford M.B.               | Midlands          | A     |
| Stafford R.D.* (part)       | Midlands          | A1    |
| Stafford R.D.* (part)       | Midlands          | A2    |
| Staindrop                   | Northern Counties | A2    |
| Staines                     | Southern Counties | A     |
| Stalithes                   | Yorkshire         | A     |
| Stamford M.B.               | Midlands          | A1    |
| Standon                     | Eastern Counties  | A3    |
| Stanford (Northants)        | Midlands          | A2    |
| Stanford-le-Hope            | Eastern Counties  | A     |
| Stanhope (Township of)      | Northern Counties | A2    |
| Stanhope                    | Northern Counties | A3    |
| Stanley U.D. (Durham)       | Northern Counties | A     |

**Gradings of Districts (Building Industry)**

| District                       | Region            | Grade |
|--------------------------------|-------------------|-------|
| Stanley U.D. (Yorks W.R.)      | Yorkshire         | A     |
| Stansted (Essex)               | Eastern Counties  | A1    |
| Stanton                        | Midlands          | A3    |
| Stanton-upon-Hine Heath        | Midlands          | A3    |
| Stanton Wick                   | South-Western     | A     |
| Staplefield                    | Southern Counties | A2    |
| Stapleford (Lincs)             | Midlands          | A1    |
| Staplehurst                    | Southern Counties | A2    |
| Stapley                        | South-Western     | A3    |
| Starbottom                     | Yorkshire         | A3    |
| Startford R.D.* (part)         | Northern Counties | A2    |
| Startford R.D.* (part)         | Northern Counties | A3    |
| Startforth* (Parish of)        | Northern Counties | A1    |
| Startforth R.D. (part)         | Northern Counties | A2    |
| Staveley U.D.                  | Midlands          | A     |
| Steeeton with Eastburn         | Yorkshire         | A     |
| Steeeton                       | Yorkshire         | A3    |
| Stevenage                      | Eastern Counties  | A1    |
| Stewartby                      | Eastern Counties  | A3    |
| Steyning                       | Southern Counties | A2    |
| Stockbridge                    | Southern Counties | A2    |
| Stockport                      | North-Western     | A     |
| Stocksbridge                   | Yorkshire         | A     |
| Stocksfield                    | Northern Counties | A     |
| Stockton R.D.                  | Northern Counties | A     |
| Stockton-on-Tees C.B.          | Northern Counties | A     |
| Stoke-on-Trent C.B.            | Midlands          | A     |
| Stoke Orchard                  | South-Western     | A1    |
| Stoke St. Gregory              | South-Western     | A3    |
| Stoke-upon-Tern                | Midlands          | A3    |
| Stokesley R.D.                 | Northern Counties | A     |
| Stokesley R.D. (part)          | Northern Counties | A2    |
| Stone R.D.* (part)             | Midlands          | A     |
| Stone R.D.* (part)             | Midlands          | A1    |
| Stone Rural* (part)            | Midlands          | A1    |
| Stone U.D.                     | Midlands          | A     |
| Stony Stratford                | Southern Counties | A2    |
| Stotfold                       | Eastern Counties  | A2    |
| Stoughton                      | Midlands          | A     |
| Stourbridge M.B.               | Midlands          | A     |
| Stourport U.D.                 | Midlands          | A     |
| Stowe (Lincs)                  | Midlands          | A2    |
| Stowe (Staffs)                 | Midlands          | A2    |
| Stowmarket                     | Eastern Counties  | A3    |
| Stow-on-the-Wold               | South-Western     | A2    |
| Stragglethorpe                 | Midlands          | A1    |
| Stratford-on-Avon M.B.         | Midlands          | A1    |
| Stratford-on-Avon R.D.* (part) | Midlands          | A2    |
| Stratford-on-Avon R.D.* (part) | Midlands          | A3    |
| Strathern                      | Midlands          | A3    |
| Stratton St. Margaret          | South-Western     | A3    |
| Streatham & Stainton           | Northern Counties | A2    |
| Street                         | South-Western     | A3    |
| Strensall                      | Yorkshire         | A     |
| Stretton-en-le-Field           | Midlands          | A3    |
| Stroud                         | South-Western     | A2    |
| Stubton                        | Midlands          | A3    |

*Gradings of Districts (Building Industry)*

| District                | Region            | Grade |
|-------------------------|-------------------|-------|
| Studley                 | Midlands          | A1    |
| Sturminster Newton      | South-Western     | A3    |
| Styford                 | Northern Counties | A     |
| Sudbury (Derby)         | Midlands          | A2    |
| Sudbury (Suffolk)       | Eastern Counties  | A3    |
| Sunderland C.B.         | Northern Counties | A     |
| Sunderland R.D.         | Northern Counties | A     |
| Sunningdale             | Southern Counties | A     |
| Sutton                  | Yorkshire         | A     |
| Sutton Cheney           | Midlands          | A3    |
| Sutton Coldfield M.B.   | Midlands          | A     |
| Sutton-in-Ashfield U.D. | Midlands          | A     |
| Sutton-with-Hazelwood   | Yorkshire         | A3    |
| Swadlincote U.D.        | Midlands          | A     |
| Swaffham                | Eastern Counties  | A3    |
| Swallow                 | Yorkshire         | A     |
| Swanage                 | South-Western     | A3    |
| Swanscombe              | Southern Counties | A     |
| Swansea                 | S. Wales & Mon.   | A     |
| Swillington             | Yorkshire         | A     |
| Swinderby               | Midlands          | A1    |
| Swindon                 | South-Western     | A2    |
| Swine                   | Yorkshire         | A     |
| Swinton U.D.            | Yorkshire         | A     |
| Sunk Island             | Yorkshire         | A3    |
| Sywell (part)           | Midlands          | A     |
|                         |                   |       |
| Tadcaster R.D.* (part)  | Yorkshire         | A     |
| Tadcaster R.D.* (part)  | Yorkshire         | A2    |
| Tadcaster R.D.* (part)  | Yorkshire         | A3    |
| Tadcaster East          | Yorkshire         | A2    |
| Tadcaster West          | Yorkshire         | A2    |
| Tallington              | Midlands          | A2    |
| Tamworth M.B.*          | Midlands          | A     |
| Tamworth R.D.* (part)   | Midlands          | A     |
| Tamworth R.D. (part)    | Midlands          | A1    |
| Tanfield                | Northern Counties | A     |
| Tankerton               | Southern Counties | A2    |
| Tantobie                | Northern Counties | A     |
| Tarporley               | North-Western     | A1    |
| Taunton                 | South-Western     | A3    |
| Tavistock               | South-Western     | A2    |
| Tebay                   | North-Western     | A3    |
| Tees-side District*     | Northern Counties | A     |
| Teigh (part)            | Midlands          | A2    |
| Teignmouth              | South-Western     | A2    |
| Temple Grafton          | Midlands          | A3    |
| Tenbury R.D.            | Midlands          | A3    |
| Tenby                   | S. Wales & Mon.   | A2    |
| Tenterden               | Southern Counties | A2    |
| Tetbury                 | South-Western     | A2    |
| Tetbury R.D.            | South-Western     | A2    |
| Tottenham U.D.          | Midlands          | A     |
| Tewin                   | Eastern Counties  | A     |
| Tewkesbury              | South-Western     | A1    |
| Thame                   | Southern Counties | A2    |

**Gradings of Districts (Building Industry)**

| District               | Region            | Grade |
|------------------------|-------------------|-------|
| Thames Haven           | Eastern Counties  | A     |
| Thaxted                | Eastern Counties  | A3    |
| Thetford               | Eastern Counties  | A3    |
| Thirsk R.D.            | Northern Counties | A     |
| Tholthorpe             | Yorkshire         | A3    |
| Thornaby-on-Tees M.B.  | Northern Counties | A     |
| Thornbury              | South-Western     | A2    |
| Thorne R.D.            | Yorkshire         | A1    |
| Thorner                | Yorkshire         | A     |
| Thorney                | Eastern Counties  | A     |
| Thornhumbald           | Yorkshire         | A     |
| Thornton (Lancs.)      | North-Western     | A     |
| Thornton Curtis        | Yorkshire         | A2    |
| Thornville             | Yorkshire         | A3    |
| Thorpe Arch            | Yorkshire         | A2    |
| Thorpe Bay             | Eastern Counties  | A     |
| Thorpe Constantine     | Midlands          | A1    |
| Thorpe-le-Soken        | Eastern Counties  | A3    |
| Three Bridges          | Southern Counties | A2    |
| Three Counties Station | Eastern Counties  | A2    |
| Thrusington            | Midlands          | A2    |
| Thurlby                | Midlands          | A1    |
| Thurnby                | Midlands          | A     |
| Tickencote             | Midlands          | A2    |
| Tickhill U.D.          | Yorkshire         | A     |
| Tidbury Green          | Midlands          | A1    |
| Tideswell              | North-Western     | A3    |
| Tilbury                | Eastern Counties  | A     |
| Tilston                | North-Western     | A1    |
| Tipton M.B.            | Midlands          | A     |
| Tiptree                | Eastern Counties  | A2    |
| Tiverton               | South-Western     | A2    |
| Tockwith               | Yorkshire         | A3    |
| Todmorden              | North-Western     | A     |
| Tollerton              | Midlands          | A     |
| Tonbridge              | Southern Counties | A1    |
| Topsham                | South-Western     | A2    |
| Torquay                | South-Western     | A1    |
| Torrington             | South-Western     | A2    |
| Totnes                 | South-Western     | A1    |
| Totton                 | Southern Counties | A2    |
| Towcester R.D.         | Midlands          | A3    |
| Tow Law U.D.           | Northern Counties | A2    |
| Towton                 | Yorkshire         | A3    |
| Towyn                  | North-Western     | A3    |
| Tredegar               | S. Wales & Mon.   | A     |
| Trimley                | Eastern Counties  | A1    |
| Tring                  | Eastern Counties  | A3    |
| Trowbridge             | South-Western     | A2    |
| Truro                  | South-Western     | A3    |
| Tunbridge Wells        | Southern Counties | A1    |
| Turnditch              | Midlands          | A2    |
| Turner's Hill          | Southern Counties | A2    |
| Tutbury R.D.           | Midlands          | A     |
| Twycross               | Midlands          | A3    |
| Tycroes                | S. Wales & Mon.   | A     |
| Tynemouth C.B.         | Northern Counties | A     |



*Gradings of Districts (Building Industry)*

| District                            | Region                 | Grade |
|-------------------------------------|------------------------|-------|
| Uckfield.....                       | Southern Counties. . . | A2    |
| Uffculme.....                       | South-Western.....     | A2    |
| Uffington (Lincs).....              | Midlands.....          | A2    |
| Uffington (Salop).....              | Midlands.....          | A1    |
| Ulceby.....                         | Yorkshire.....         | A2    |
| Ulleshelf.....                      | Yorkshire.....         | A3    |
| Ulverston.....                      | North-Western.....     | A     |
| Upminster.....                      | Eastern Counties.....  | A     |
| Upper Arley.....                    | Midlands.....          | A2    |
| Upper Broughton.....                | Midlands.....          | A2    |
| Uppingham (Salop).....              | Midlands.....          | A1    |
| Uppingham (Rutland) R.D.....        | Midlands.....          | A3    |
| Upton (Northants).....              | Midlands.....          | A     |
| Upton Magna.....                    | Midlands.....          | A1    |
| Upton-upon-Severn R.D.* (part)..... | Midlands.....          | A1    |
| Upton-upon-Severn R.D.* (part)..... | Midlands.....          | A3    |
| Usk.....                            | S. Wales & Mon.....    | A1    |
| Uttoxeter R.D.* (part).....         | Midlands.....          | A2    |
| Uttoxeter R.D.* (part).....         | Midlands.....          | A3    |
| Uttoxeter Rural.....                | Midlands.....          | A3    |
| Uttoxeter U.D.....                  | Midlands.....          | A2    |
| <br>                                |                        |       |
| Vange.....                          | Eastern Counties.....  | A1    |
| <br>                                |                        |       |
| Wadebridge.....                     | South-Western.....     | A3    |
| Wadhurst.....                       | Southern Counties..... | A2    |
| Wainfleet All Saints.....           | Midlands.....          | A2    |
| Wainfleet St. Mary.....             | Midlands.....          | A2    |
| Wakefield C.B. and R.D.....         | Yorkshire.....         | A     |
| Wales.....                          | Yorkshire.....         | A1    |
| Walkern.....                        | Eastern Counties.....  | A2    |
| Wallingford.....                    | Southern Counties..... | A2    |
| Wallington.....                     | Eastern Counties.....  | A2    |
| Wallsend M.B.....                   | Northern Counties..... | A     |
| Walsall C.B.....                    | Midlands.....          | A     |
| Walsden.....                        | North-Western.....     | A     |
| Waltham (Lincs) R.D.....            | Yorkshire.....         | A     |
| Walton.....                         | Yorkshire.....         | A2    |
| Walton-on-Naze.....                 | Eastern Counties.....  | A1    |
| Wanborough.....                     | South-Western.....     | A3    |
| Wantage.....                        | Southern Counties..... | A2    |
| Ware.....                           | Eastern Counties.....  | A     |
| Wareham.....                        | South-Western.....     | A3    |
| Warley (Essex).....                 | Eastern Counties.....  | A     |
| Warmminster.....                    | South-Western.....     | A2    |
| Warmingld.....                      | Southern Counties..... | A2    |
| Warrington.....                     | North-Western.....     | A     |
| Warsop U.D.....                     | Midlands.....          | A     |
| Warwick M.B.....                    | Midlands.....          | A     |
| Warwick R.D.* (part).....           | Midlands.....          | A     |
| Warwick R.D.* (part).....           | Midlands.....          | A1    |
| Washington U.D.....                 | Northern Counties..... | A     |
| Watchet.....                        | South-Western.....     | A3    |
| Waterhouses.....                    | Northern Counties..... | A     |
| Wath-on-Dearne U.D.....             | Yorkshire.....         | A     |

*Gradings of Districts (Building Industry)*

| District                           | Region            | Grade |
|------------------------------------|-------------------|-------|
| Wath R.D.                          | Yorkshire         | A3    |
| Wattigham Aerodrome                | Eastern Counties  | A3    |
| Watton-at-Stowe                    | Eastern Counties  | A3    |
| Watton-under-Edge                  | South-Western     | A2    |
| Weardale R.D.* (part)              | Northern Counties | A2    |
| Weardale R.D.* (part)              | Northern Counties | A3    |
| Wednesbury M.B.                    | Midlands          | A     |
| Wednesfield U.D.                   | Midlands          | A     |
| Weeford (part)                     | Midlands          | A     |
| Weeton                             | Yorkshire         | A     |
| Welford-on-Avon                    | Midlands          | A3    |
| Wellesbourne Hastings              | Midlands          | A3    |
| Wellingborough R.D.* (part)        | Midlands          | A     |
| Wellingborough R.D.* (part)        | Midlands          | A1    |
| Wellingborough R.D.* (part)        | Midlands          | A2    |
| Wellingborough U.D.                | Midlands          | A     |
| Wellington (Somerset)              | South-Western     | A3    |
| Wellington R.D.                    | Midlands          | A1    |
| Wellington (Salop) U.D.            | Midlands          | A1    |
| Wells (Somerset)                   | South-Western     | A3    |
| Wells (Norfolk)                    | Eastern Counties  | A3    |
| Welton R.D.                        | Midlands          | A     |
| Welwick                            | Yorkshire         | A3    |
| Welwyn                             | Eastern Counties  | A     |
| Welwyn Garden City                 | Eastern Counties  | A     |
| Wem                                | North-Western     | A3    |
| Wem R.D.* (Midland part)           | Midlands          | A3    |
| Wendover                           | Southern Counties | A2    |
| Wenlock M.B.* (part)               | Midlands          | A2    |
| Wenlock M.B.* (part)               | Midlands          | A3    |
| West Auckland                      | Northern Counties | A     |
| Westborough                        | Midlands          | A3    |
| West Bromwich C.B.                 | Midlands          | A     |
| Westbury                           | South-Western     | A2    |
| Westcliff-on-Sea                   | Eastern Counties  | A     |
| Westdean                           | Southern Counties | A1    |
| West Deeping                       | Midlands          | A2    |
| Westerdale                         | Northern Counties | A2    |
| Westerfield                        | Eastern Counties  | A     |
| Westerham                          | Southern Counties | A1    |
| Westgate                           | Southern Counties | A2    |
| West Halton                        | Yorkshire         | A     |
| West Hartlepool C.B.               | Northern Counties | A     |
| West Hoathly                       | Southern Counties | A2    |
| Westhoughton                       | North-Western     | A     |
| West Kesteven R.D.* (part)         | Midlands          | A2    |
| West Kesteven R.D.* (part)         | Midlands          | A3    |
| Westmorland* (County of)           | North-Western     | A3    |
| Westnewton                         | North-Western     | A2    |
| Weston and Wixhill under Redcastle | Midlands          | A3    |
| Weston Favell                      | Midlands          | A     |
| Weston-on-Avon                     | Midlands          | A3    |
| Weston-super-Mare                  | South-Western     | A1    |
| West Ravendale                     | Midlands          | A3    |
| West Runton                        | Eastern Counties  | A3    |
| West Winch                         | Eastern Counties  | A3    |

*Gradings of Districts (Building Industry)*

| District   | Region                 | Grade |
|--|------------------------|-------|
| Wetherby R.D.* (part).....                             | Yorkshire.....         | A2    |
| Wetherby R.D.* (part).....                             | Yorkshire.....         | A     |
| Wetherby R.D.* (part).....                             | Yorkshire.....         | A3    |
| Wetton.....  | Midlands.....          | A3    |
| Weybridge.....   | Southern Counties..... | A     |
| Weymouth.....  | South-Western.....     | A2    |
| Whaley Bridge.....                                     | North-Western.....     | A1    |
| Whalley.....   | North-Western.....     | A     |
| Wharfedale R.D.....                                    | Yorkshire.....         | A     |
| Wheatthampstead.....                                   | Eastern Counties.....  | A1    |
| Wheatley.....  | Southern Counties..... | A2    |
| Whickham U.D.....                                      | Northern Counties..... | A     |
| Whissendine.....                                       | Midlands.....          | A2    |
| Whiston.....   | North-Western.....     | A     |
| Whitby U.D.....  | Yorkshire.....         | A1    |
| Whitby R.D. (part).....                                | Yorkshire.....         | A2    |
| Whitby R.D. (part).....                                | Northern Counties..... | A2    |
| Whitchurch (Hants).....                                | Southern Counties..... | A2    |
| Whitchurch (Salop).....                                | North-Western.....     | A3    |
| Whitehaven.....  | North-Western.....     | A     |
| Whitland.....  | S. Wales & Mon.....    | A3    |
| Whitley (including Whitley Bridge<br>West Riding)..... | Yorkshire.....         | A     |
| Whitley U.D.....                                       | Northern Counties..... | A     |
| Whitminster.....                                       | South-Western.....     | A2    |
| Whitstable.....  | Southern Counties..... | A2    |
| Whittington.....                                       | Midlands.....          | A1    |
| Whittlesey.....  | Eastern Counties.....  | A     |
| Whitton (Yorks).....                                   | Yorkshire.....         | A     |
| Wickford.....  | Eastern Counties.....  | A1    |
| Wickham Market.....                                    | Eastern Counties.....  | A3    |
| Widnes.....  | North-Western.....     | A     |
| Wigan.....   | North-Western.....     | A     |
| Wigginton.....   | Midlands.....          | A1    |
| Wighill.....   | Yorkshire.....         | A3    |
| Wigton.....  | North-Western.....     | A3    |
| Willingham (Cambs).....                                | Eastern Counties.....  | A3    |
| Willington U.D.....                                    | Northern Counties..... | A     |
| Willoughby.....  | Midlands.....          | A2    |
| Willoughby-on-the-Wolds.....                           | Midlands.....          | A2    |
| Wilmslow.....  | North-Western.....     | A     |
| Wilnecote.....   | Midlands.....          | A     |
| Wilsthorpe.....  | Midlands.....          | A2    |
| Willstrop.....   | Yorkshire.....         | A3    |
| Wiltshire* (County of).....                            | South-Western.....     | A2    |
| Wimborne.....  | Southern Counties..... | A1    |
| Wincanton.....   | South-Western.....     | A3    |
| Winchcomb.....   | South-Western.....     | A2    |
| Winchester.....  | Southern Counties..... | A2    |
| Wincle.....  | North-Western.....     | A1    |
| Windermere.....  | North-Western.....     | A3    |
| Windley (part).....                                    | Midlands.....          | A2    |
| Windsor.....   | Southern Counties..... | A1    |
| Winscombe.....   | South-Western.....     | A3    |
| Winsford.....  | North-Western.....     | A1    |
| Winalow.....   | Southern Counties..... | A2    |
| Winston and Woodland.....                              | Northern Counties..... | A2    |

*Gradings of Districts (Building Industry)*

| District                        | Region                 | Grade |
|---------------------------------|------------------------|-------|
| Winteringham.....               | Yorkshire.....         | A     |
| Winterton.....                  | Yorkshire.....         | A     |
| Wirksworth U.D.....             | Midlands.....          | A2    |
| Wisbech.....                    | Eastern Counties.....  | A2    |
| Wistow.....                     | Midlands.....          | A     |
| Witham.....                     | Eastern Counties.....  | A2    |
| Witherley.....                  | Midlands.....          | A2    |
| Withernsea U.D.....             | Yorkshire.....         | A3    |
| Withernwick.....                | Yorkshire.....         | A3    |
| Withington (Salop).....         | Midlands.....          | A1    |
| Withyham.....                   | Southern Counties..... | A2    |
| Witley.....                     | Southern Counties..... | A2    |
| Witney.....                     | Southern Counties..... | A2    |
| Wittering.....                  | Midlands.....          | A1    |
| Witton Gilbert.....             | Northern Counties..... | A     |
| Witton-le-Wear.....             | Northern Counties..... | A     |
| Wiveliscombe.....               | South-Western.....     | A3    |
| Wivelsfield.....                | Southern Counties..... | A2    |
| Wiveahoe.....                   | Eastern Counties.....  | A     |
| Wix.....                        | Eastern Counties.....  | A1    |
| Woburn.....                     | Eastern Counties.....  | A3    |
| Woking.....                     | Southern Counties..... | A1    |
| Wokingham.....                  | Southern Counties..... | A2    |
| Wold Newton.....                | Midlands.....          | A3    |
| Wolfhamcote.....                | Midlands.....          | A2    |
| Wolsingham.....                 | Northern Counties..... | A2    |
| Wolverhampton C.B.....          | Midlands.....          | A     |
| Wolverley (part).....           | Midlands.....          | A2    |
| Wolverton District (Bucks)..... | Southern Counties..... | A2    |
| Wolverton (Warwick).....        | Midlands.....          | A3    |
| Wombourne (part).....           | Midlands.....          | A     |
| Wombwell U.D.....               | Yorkshire.....         | A     |
| Woodbridge.....                 | Eastern Counties.....  | A3    |
| Woodbury.....                   | South-Western.....     | A2    |
| Woodhall Spa U.D.....           | Midlands.....          | A3    |
| Woodstock.....                  | Southern Counties..... | A2    |
| Wool.....                       | South-Western.....     | A3    |
| Wooler.....                     | Northern Counties..... | A1    |
| Wootton Bassett.....            | South-Western.....     | A2    |
| Wootton-Wawen.....              | Midlands.....          | A3    |
| Worcester C.B.....              | Midlands.....          | A     |
| Workington.....                 | North-Western.....     | A     |
| Worksop M.B.....                | Yorkshire.....         | A     |
| Worksop R.D.* (part).....       | Midlands.....          | A     |
| Worksop R.D.* (part).....       | Midlands.....          | A1    |
| Worlaby.....                    | Yorkshire.....         | A2    |
| Wormley.....                    | Eastern Counties.....  | A     |
| Worsborough U.D.....            | Yorkshire.....         | A     |
| Wothersome.....                 | Yorkshire.....         | A2    |
| Worthing.....                   | Southern Counties..... | A2    |
| Wortley R.D.....                | Yorkshire.....         | A     |
| Wothorpe.....                   | Midlands.....          | A1    |
| Wrawby.....                     | Yorkshire.....         | A2    |
| Wressle.....                    | Yorkshire.....         | A1    |
| Wrexham.....                    | North-Western.....     | A     |
| Wrotham.....                    | Southern Counties..... | A1    |
| Wroughton.....                  | South-Western.....     | A2    |

*Gradings of Districts (Building Industry)*

| District                  | Region                 | Grade |
|---------------------------|------------------------|-------|
| Wroxeter.....             | Midlands.....          | A1    |
| Wroxhall.....             | Midlands.....          | A1    |
| Wroxham.....              | Eastern Counties.....  | A3    |
| Wyberton.....             | Midlands.....          | A2    |
| Wycliffe-with-Thorpe..... | Northern Counties..... | A2    |
| Wycombe.....              | Southern Counties..... | A2    |
| Wylam.....                | Northern Counties..... | A     |
| Wymondham.....            | Eastern Counties.....  | A3    |
| Yarm.....                 | Northern Counties..... | A     |
| Yate.....                 | South-Western.....     | A2    |
| Yeadon.....               | Yorkshire.....         | A     |
| Yealmpton.....            | South-Western.....     | A2    |
| Yeaveley.....             | Midlands.....          | A2    |
| Yelvertoft.....           | Midlands.....          | A2    |
| Yeovil.....               | South-Western.....     | A3    |
| Yeovilton.....            | South-Western.....     | A3    |
| York C.B.....             | Yorkshire.....         | A     |
| Ystalyfera.....           | S. Wales & Mon.....    | A     |
| Ystradgynlais.....        | S. Wales & Mon.....    | A     |

## NATIONAL JOINT COUNCIL AND REGIONAL SECRETARIES

*Employers*

*Operatives*

### NATIONAL JOINT COUNCIL

- |  |   |
|--|---|
| <p>I. Ernest Jones, M.A., B.Sc.,<br/>82, Cavendish Street,<br/>London, W.1.<br/><i>Telephone: LANgham</i><br/>4041/2/3.</p>  | <p>R. Coppock, C.B.E., J.P.,<br/>Federal House,<br/>20a, Cedars Road,<br/>London, S.W.4.<br/><i>Telephone: MACaulay</i><br/>4451/2.</p> |
| <p>H. B. Bryant,<br/>Clerk to the Council,<br/>11, Weymouth Street,<br/>London, W.1.<br/><i>Telephone: LANgham 1740.</i></p> |   |

### NORTHERN COUNTIES REGION

- |   |  |
|---|--|
| <p>S. Elliott,<br/>15, Norfolk Street,<br/>Sunderland.<br/><i>Telephone: Sunderland</i><br/>5288/9.</p> | <p>R. T. Weston,<br/>64, Fawcett Street,<br/>Sunderland.<br/><i>Telephone: Sunderland</i><br/>57709.</p> |
|---|--|

### NORTH-WESTERN REGION

- |  |   |
|--|---|
| <p>W. Hogarth,<br/>North-Western Federation<br/>of Building Trade Em-<br/>ployers,<br/>National Buildings,<br/>St. Mary's Parsonage,<br/>Manchester.<br/><i>Telephone: Blackfriars</i><br/>5614/5.</p> | <p>S. V. May,<br/>140, Grosvenor Street,<br/>Manchester, 1.<br/><i>Telephone: Aldwick 2389.</i></p> |
|--|---|

### YORKSHIRE REGION

- |  |   |
|--|---|
| <p>A. K. Davidson,<br/>West Bar Chambers,<br/>38, Boor Lane,<br/>Leeds.<br/><i>Telephone: Leeds 22314.</i></p> | <p>D. W. Emmott,<br/>Camden Offices,<br/>Camden Terrace,<br/>Woodhouse Lane,<br/>Leeds, 2.<br/><i>Telephone: Leeds 28713.</i></p> |
|--|---|

**National Joint Council and Regional Secretaries**

*Employers*

*Operatives*

MIDLAND REGION

R. A. Osbourn, F.C.I.S.,  
Ruskin Chambers,  
191, Corporation Street,  
Birmingham, 4.  
*Telephone: Central 3189.*

C. G. Spragg, J. P.,  
Room 18,  
County Buildings,  
147, Corporation Street,  
Birmingham, 4.  
*Telephone: Central 3579.*

EASTERN COUNTIES REGION

R. W. Porter,  
95, Tenison Road,  
Cambridge.  
*Telephone: Cambridge  
55418/9.*

E. S. Blake,  
Haymarket Chambers,  
Norwich.  
*Telephone: Norwich  
21881.*

SOUTHERN COUNTIES REGION

S. R. Gerdes,  
Sterling Buildings,  
Carfax,  
Horsham,  
Sussex.  
*Telephone: Horsham  
1326/7.*

C. G. Blanchard, J.P.,  
257, Malpas Road,  
Brockley,  
London, S.E.4.  
*Telephone: New Cross  
1989.*

SOUTH-WESTERN REGION

W. H. Orrom,  
22, Richmond Hill,  
Clifton,  
Bristol, 8.  
*Telephone: Bristol 33522.*

H. L. Cook,  
Oxford Chambers,  
St. Stephen's Street,  
Bristol, 1.  
*Telephone: Bristol 25568.*

SOUTH WALES AND MONMOUTHSHIRE  
REGION

J. Hicks,  
17, The Balcony,  
Castle Arcade,  
Cardiff.  
*Telephone: Cardiff 2222.*

T. Ewart Sweet,  
55, Celtic Corridors,  
Newport Road,  
Cardiff.  
*Telephone: Cardiff 2260.*

**National Joint Council and Regional Secretaries**

*Employers*

*Operatives*

**LONDON REGION**

R. E. Stenning,  
47, Bedford Square,  
London, W.C.1.

E. L. Jones,  
11, Weymouth Street,  
London, W.1.

*Telephone: MUSEum 3891. Telephone: MUSEum 6524.*

**LIVERPOOL AND DISTRICT**

Bertram B. Moss,  
24, St. Thomas Street,  
Liverpool, 1.

W. H. Boston,  
49, Whitechapel  
Liverpool.

*Telephone: Liverpool  
Central 2066.*



**RATES OF WAGES  
(BUILDING INDUSTRY, ISLE OF  
MAN)**

**AUTHORIZED RATES OF WAGES IN THE BUILD-  
ING INDUSTRY IN THE ISLE OF MAN AGREED  
BY THE ISLE OF MAN JOINT INDUSTRIAL  
COUNCIL FOR THE BUILDING INDUSTRY**

*and effective from 1st July 1948*

**SECRETARIES**

*Employers*

*Operatives*

**A. Hill,**  
Isle of Man Bank Chambers,  
Douglas,  
Isle of Man.  
*Telephone: No. 6.*

**J. Callow,**  
Hilary Park,  
Douglas,  
Isle of Man.

|                 | Hourly rate |           |
|-----------------|-------------|-----------|
|                 | <i>s.</i>   | <i>d.</i> |
| Craftsmen ..... | 2           | 8½        |
| Labourers ..... | 2           | 2         |

RATES OF WAGES  
(BUILDING AND CIVIL  
ENGINEERING INDUSTRY,  
NORTHERN IRELAND)

AUTHORIZED RATES OF WAGES IN THE BUILD-  
ING AND CIVIL ENGINEERING INDUSTRY IN  
NORTHERN IRELAND AS AGREED BY THE  
JOINT COUNCIL FOR THE BUILDING AND  
CIVIL ENGINEERING INDUSTRY, NORTHERN  
IRELAND

and effective from 17th December 1947

SECRETARIES

Employers

M. R. Whitham, F.C.I.S.,  
7, Donegall Square West,  
Belfast.  
Telephone: Belfast 24824/5.

Operatives

A. Jackson,  
24, Skreen Road,  
Navan Road,  
Dublin.  
Telephone: Dublin 75533.

| District           | Tradesmen<br>Hourly Rate |    | Labourers<br>18 years of<br>age and over<br>Hourly Rate |     |
|--------------------|--------------------------|----|---|-----|
|                    | s.                       | d. | s.  | d.  |
| Aldergrove         | 2                        | 9½ | 1   | 11½ |
| Antrim             | 2                        | 8  | 1   | 11½ |
| Armagh             | 2                        | 8½ | 1   | 11½ |
| Ballycastle        | 2                        | 7½ | 1   | 11½ |
| Ballyclare         | 2                        | 9  | 1   | 11½ |
| Ballygally         | 2                        | 9  | 1   | 11½ |
| Ballygawley        | 2                        | 7½ | 1   | 11½ |
| Ballykelly         | 2                        | 8  | 1   | 11½ |
| Ballykinlar        | 2                        | 9½ | 1   | 11½ |
| Ballymena          | 2                        | 8  | 1   | 11½ |
| Ballymoney         | 2                        | 8  | 1   | 11½ |
| Ballynahinch       | 2                        | 8½ | 1   | 11½ |
| Ballyrobert        | 2                        | 10 | 2   | 1½  |
| Banbridge          | 2                        | 9½ | 1   | 11½ |
| Bangor             | 2                        | 10 | 2   | 1½  |
| Belfast            | 2                        | 10 | 2   | 2   |
| Bushmills          | 2                        | 7½ | 1   | 11½ |
| Carnlough          | 2                        | 7½ | 1   | 11½ |
| Carrickfergus      | 2                        | 10 | 2   | 0½  |
| Castlederg         | 2                        | 7½ | 1   | 11½ |
| Castlerock         | 2                        | 8  | 1   | 11½ |
| Castlewellan       | 2                        | 7½ | 1   | 11½ |
| Cluntoe Richardson | 2                        | 7½ | 1   | 11½ |
| Coalisland         | 2                        | 7½ | 1   | 11½ |
| Coleraine          | 2                        | 8  | 1   | 11½ |
| Comber             | 2                        | 10 | 2   | 0½  |
| Cookstown          | 2                        | 7½ | 1   | 11½ |
| Cullybackey        | 2                        | 8  | 1   | 11½ |
| Cushendall         | 2                        | 7½ | 1   | 11½ |
| Doagh              | 2                        | 9  | 1   | 11½ |

**Rates of Wages (Building and Civil Engineering Industry, Northern Ireland)**

| District                | Tradesmen<br>Hourly Rate |    | Labourers<br>18 years of<br>age and over<br>Hourly Rate |     |
|-------------------------|--------------------------|----|---|-----|
|                         | s.                       | d. | s.  | d.  |
| Donaghadee .....        | 2                        | 10 | 2   | 0½  |
| Downpatrick .....       | 2                        | 9½ | 1   | 11½ |
| Dromore, Co. Down ..... | 2                        | 8½ | 1   | 11½ |
| Dungannon .....         | 2                        | 7½ | 1   | 11½ |
| Dungiven .....          | 2                        | 7½ | 1   | 11½ |
| Eglinton .....          | 2                        | 8½ | 1   | 11½ |
| Enniskillen .....       | 2                        | 7½ | 1   | 11½ |
| Fivemiletown .....      | 2                        | 7½ | 1   | 11½ |
| Garvagh .....           | 2                        | 7½ | 1   | 11½ |
| Glenarm .....           | 2                        | 7½ | 1   | 11½ |
| Irvinestown .....       | 2                        | 7½ | 1   | 11½ |
| Kesh .....              | 2                        | 7½ | 1   | 11½ |
| Kilkeel .....           | 2                        | 8½ | 1   | 11½ |
| Killinchy .....         | 2                        | 8  | 1   | 11½ |
| Kilrea .....            | 2                        | 7½ | 1   | 11½ |
| Larne .....             | 2                        | 9  | 2   | 0½  |
| Limavady .....          | 2                        | 8  | 1   | 11½ |
| Lisburn .....           | 2                        | 10 | 2   | 0½  |
| Lisnaskea .....         | 2                        | 7½ | 1   | 11½ |
| Londonderry .....       | 2                        | 8½ | 1   | 11½ |
| Lurgan .....            | 2                        | 10 | 1   | 11½ |
| Maghera .....           | 2                        | 7½ | 1   | 11½ |
| Magherafelt .....       | 2                        | 7½ | 1   | 11½ |
| Maghera .....           | 2                        | 7½ | 1   | 11½ |
| Moneyglass .....        | 2                        | 8  | 1   | 11½ |
| Monymore .....          | 2                        | 7½ | 1   | 11½ |
| Newcastle .....         | 2                        | 7½ | 1   | 11½ |
| Newry .....             | 2                        | 9  | 1   | 11½ |
| Newtownards .....       | 2                        | 10 | 2   | 0½  |
| Newtownstewart .....    | 2                        | 7½ | 1   | 11½ |
| Omagh .....             | 2                        | 7½ | 1   | 11½ |
| Portadown .....         | 2                        | 9  | 1   | 11½ |
| Portaferry .....        | 2                        | 9½ | 1   | 11½ |
| Portrush .....          | 2                        | 8  | 1   | 11½ |
| Portstewart .....       | 2                        | 8  | 1   | 11½ |
| Randalstown .....       | 2                        | 8  | 1   | 11½ |
| Rathfriland .....       | 2                        | 9  | 1   | 11½ |
| Rostrevor .....         | 2                        | 9  | 1   | 11½ |
| Saintfield .....        | 2                        | 8½ | 1   | 11½ |
| Strabane .....          | 2                        | 7½ | 1   | 11½ |
| Tandragee .....         | 2                        | 8  | 1   | 11½ |
| Waringfield .....       | 2                        | 10 | 1   | 11½ |
| Warrenpoint .....       | 2                        | 9  | 1   | 11½ |
| Whitehead .....         | 2                        | 9  | 2   | 0½  |

**Rates for Apprentices:**

- (a) Belfast, Bangor, Lisburn and Newtownards:  
20%; 30%; 40%; 50% and 60% of the Craftsmen's rates during the first to fifth years, respectively.
- (b) All other districts:  
12½%; 20%; 25%; 33½%; and 50% of the Craftsmen's rates during the first to fifth years, respectively.

**Minimum Rates for Watchmen:**

Belfast, Bangor, Lisburn, and Newtownards—1s. 3d. per hour; all other areas—1s. 0d. per hour.

**RATES OF WAGES  
(BUILDING INDUSTRY, SCOTLAND)**

**AUTHORIZED RATES OF WAGES IN THE BUILDING INDUSTRY IN SCOTLAND AGREED BY THE SCOTTISH NATIONAL JOINT COUNCIL FOR THE BUILDING INDUSTRY**

*taking effect at beginning of pay week next following 11th July 1948*

**SECRETARIES**

*Employers*

D. McCowen Hill, M.A.,  
LL.B.,  
19, St. Vincent Place,  
Glasgow, C.1.  
*Telephone: Central 4406/7.*

*Operatives*

Charles C. Brownlie,  
180, West Regent Street,  
Glasgow.  
*Telephone: Douglas 4448.*

**GRADE CLASSIFICATION A**

Craftsmen ..... 2s. 9½d.  
Labourers ..... 2s. 3d.

|                      |   |                      |   |
|----------------------|---|----------------------|---|
| Aberdeen.....        | A | Inverurie.....       | A |
| Ayrshire.....        | A | Kincardineshire..... | A |
| Banff.....           | A | Kinross-shire.....   | A |
| Berwickshire.....    | A | Lanarkshire.....     | A |
| Bridge of Allan..... | A | Midlothian.....      | A |
| Broughty Ferry.....  | A | Monifieth.....       | A |
| Clackmananshire..... | A | Moray and Nairn..... | A |
| Doune.....           | A | Newport.....         | A |
| Dunblane.....        | A | Peeblesshire.....    | A |
| Dumbartonshire.....  | A | Perth.....           | A |
| Dumfries.....        | A | Perthshire.....      | A |
| Dumfriesshire.....   | A | Peterhead.....       | A |
| Dundee.....          | A | Renfrewshire.....    | A |
| Dunoon.....          | A | Rothsay.....         | A |
| East Fife.....       | A | Roxburgshire.....    | A |
| East Lothian.....    | A | St. Andrews.....     | A |
| Edinburgh.....       | A | Selkirkshire.....    | A |
| Fife.....            | A | Stewartry.....       | A |
| Forfarshire.....     | A | Stirlingshire.....   | A |
| Glasgow.....         | A | Stornoway.....       | A |
| Greenock.....        | A | Tayport.....         | A |
| Hamilton.....        | A | West Lothian.....    | A |
| Inverness.....       | A |                      |   |

***Rates of Wages (Building Industry, Scotland)***

The Scottish N.J.C. award on which this is based provides for variation to current rates of Apprentices' and Trainees' wages, which will be increased according to scale.

Painters' Rates: Grade A, 2s. 9½d.; Grade B, 2s. 8½d. (Grade B towns are Banff and Moray and Nairn.)

***Trainees.—During Continued Training***

|   |    |    |          |
|---|----|----|----------|
| First 8 weeks—85% of Craftsmen's Rate, viz..... | s. | d. |          |
|   | 2  | 4½ | per hour |
| Next 26 weeks—90% of Craftsmen's Rate, viz..... | 2  | 6½ | „        |
| Last 26 weeks—95% of Craftsmen's Rate, viz..... | 2  | 7¾ | „        |

***Apprentices***

|  |    |     |          |
|--|----|-----|----------|
| 1st year—One-fourth of the Craftsmen's Rate .....    | 30 | 8½  | per week |
| 2nd year—one-third of the Craftsmen's Rate .....     | 40 | 11½ | „        |
| 3rd year—One-half of the Craftsmen's Rate .....      | 61 | 5   | „        |
| 4th year—Two-thirds of the Craftsmen's Rate .....    | 81 | 10½ | „        |
| 5th year—Three-fourths of the Craftsmen's Rate ..... | 92 | 1½  | „        |

## RATES OF WAGES (CIVIL ENGINEERING INDUSTRY)

### AUTHORIZED RATES OF WAGES IN THE CIVIL ENGINEERING INDUSTRY AS AGREED BY THE CIVIL ENGINEERING CONSTRUCTION CONCILIATION BOARD

*and effective from 18th August 1948*

#### SECRETARIES

| <i>Employers</i>  | <i>Operatives</i>  |
|---|--|
| <p>R. W. Todd,<br/>Romney House,<br/>Tufton Street,<br/>Westminster,<br/>London, S.W.1.<br/><i>Telephone: ABBey 2544.</i></p> | <p>J. Armstrong,<br/>Transport House,<br/>Smith Square,<br/>Westminster,<br/>London, S.W.1.<br/><i>Telephone: VICToria<br/>7671.</i></p> |

#### *Navy or Labourer*

|                              | Hourly rate |           |
|------------------------------|-------------|-----------|
|                              | <i>s.</i>   | <i>d.</i> |
| London Super Grade . . . . . | 2           | 4         |
| Class I . . . . .            | 2           | 3         |
| " IA . . . . .               | 2           | 2½        |
| " II . . . . .               | 2           | 2         |
| " IIA . . . . .              | 2           | 1½        |

## RATES OF WAGES (ELECTRICAL CONTRACTING INDUSTRY)

AUTHORIZED RATES OF WAGES IN THE ELECTRICAL CONTRACTING INDUSTRY AS AGREED BY THE NATIONAL JOINT INDUSTRIAL COUNCIL FOR THE ELECTRICAL CONTRACTING INDUSTRY

*taking effect at beginning of pay week next following 29th  
November 1948*

| <i>Employers</i>  | <i>Operatives</i>  |
|---|--|
| National Federated Electrical Association,<br>Africa House,<br>Kingsway,<br>London, W.C.2.<br><i>Telephone: Holborn 7584/5.</i> | Electrical Trades Union,<br>324, Grays Inn Road,<br>London, W.C.1.<br><i>Telephone: Terminus 5115.</i> |

### *Journeymen Electricians*

|                       | Hourly rate |           |
|-----------------------|-------------|-----------|
|                       | <i>s.</i>   | <i>d.</i> |
| Grade " A " .....     | 3           | 2         |
| Mersey District ..... | 2           | 11½       |
| Grade " B " .....     | 2           | 10½       |

**RATES OF WAGES  
(DEMOLITION INDUSTRY)**

**AUTHORIZED RATES OF WAGES IN THE DEMOLITION INDUSTRY AS AGREED BY THE NATIONAL FEDERATION OF DEMOLITION CONTRACTORS AND THE NATIONAL FEDERATION OF BUILDING TRADES OPERATIVES**

*taking effect at beginning of pay week next following 11th July 1948*

**SECRETARIES**

*Employers*

G. A. Warley, F.C.A.,  
13, Bloomsbury Square,  
London, W.C.1.  
*Telephone: CHAncery  
6731/3.*

*Operatives*

R. Coppock, J.P., C.B.E.,  
Federal House,  
20a, Cedars Road,  
Clapham, London,  
S.W.4.  
*Telephone: MAcaulay  
4451/2.*

The basic rates of wages for labourers employed on demolition work shall be the basic rates as prescribed from time to time for building trade labourers by the National Joint Council for the Building Industry in respect of England and Wales, and by the Scottish National Joint Council for the Building Industry in respect of Scotland.

The rates of pay shall be as follows:

| General Labourer .....   | Basic rate |
|--|------------|
| General Labourer when using Compressed-Air Drills or Pneumatic Punching Machines or Spades ..... | plus 1d.   |
| Demolition Worker and Cleaner .....  | 1d.        |
| *Mattockman.....   | 3d.        |
| *Topman capable of carrying out all operations in connection with demolition work.....           | 5d.        |
| Burner (Topman).....   | 5d.        |
| Burner (Groundman) .....   | 2d.        |
| Shorer .....   | 5d.        |
| Fitter .....   | 5d.        |
| Blacksmith .....   | 5d.        |
| Blacksmith Striker (Man).....  | 1d.        |
| Navy Driver .....  | 5d.        |

\* For the time an Operative is actually engaged on work normally performed by Mattock Men and Top Men he shall be paid at the appropriate rate for those grades.



**Rates of Wages (Demolition Industry)**

|  |            |
|--|------------|
|  | plus       |
| Derrick Driver .....   | 4d.        |
| Derrick Driver (on High Stages).....   | 5d.        |
| Loco Driver (Standard Gauge) .....   | 3d.        |
| Loco Driver (Narrow Gauge):  |            |
| (a) Steam .....  | 2d.        |
| (b) Other than Steam .....   | 1d.        |
| Crane (including Loco Crane) Driver .....  | 3d.        |
| Driver of Crane of 20-tons capacity and over<br>used in heavy demolition work .....  | 5d.        |
| Where Grabs are attached to Derricks or Cranes<br>an additional 1d. shall be added.  |            |
| Banksman appointed to attend to Crane and to<br>be responsible for fastening or slinging loads<br>and generally to direct the Crane Driver ....  | 1d.        |
| Roperunner .....   | 1d.        |
| Driver of Light Petrol Crane, Hoist, or Mechanical<br>Jack Roll (Neal's Crane or similar type)<br>up to and including 1-ton capacity .....   | 1d.        |
| Ditto up to and including 2-ton capacity .....   | 2d.        |
| Driver of Portable Diesel or Petrol Air Com-<br>pressing Machine .....   | 2d.        |
| Driver of Caterpillar Tractors irrespective of h.p.  | 5d.        |
| Driver of Small Tractors and Dumpers .....   | 2d.        |
| Steam Roller Driver .....  | 4d.        |
| Petrol Roller Driver .....   | 1d. to 2d. |
| Portable Boiler and/or Pump Attendant .....  | 1d.        |
| Scaffolder (Height money allowed in addition) .  | 1d.        |
| Workmen engaged in existing sewers of any<br>nature or condition to receive an additional<br>rate of 2½d. per hour on their rate.  |            |
| Workmen engaged in excavating or removing<br>foul material from existing sewers (including<br>boot money) .....  | 2d.        |
| Workmen working in " boots " .....   | 1d.        |
| Workmen while working in conditions involving<br>their close contact with dirt or filth of an extent<br>and degree substantially greater than is in-<br>herent or usual in the Demolition Industry<br>occupation concerned ..... | 1d.        |

**Young Male Workers:**

|  |                          |
|--|--------------------------|
| At 15 years of age .....                           | 40% of the current rate. |
| At 16 years of age .....                           | 50% of the current rate. |
| At 17 years of age .....                           | 75% of the current rate. |
| At 18 years of age and over the full current rate. |                          |

## RATES OF WAGES (FENCING INDUSTRY)

### AUTHORIZED RATES OF WAGES IN THE FENCING INDUSTRY AS FIXED BY THE NATIONAL JOINT INDUSTRIAL COUNCIL FOR THE FENCING INDUSTRY

*and effective from the pay day in the week commencing the  
9th February 1948*

#### SECRETARIES

##### *Employers*

A. J. R. Coward, F.C.A.,  
Southampton House,  
317, High Holborn,  
London, W.C.1.  
*Telephone: HOLborn 8346.*

##### *Operatives*

A. H. Roullier,  
" Woodberry ",  
218, Green Lanes,  
Finsbury Park,  
London, N.4.  
*Telephone: STAMford  
4281.*

#### FENCE ERECTION

The minimum rate for a Fencer's Labourer 21 years of age and over shall be 2s. 5½d. per hour.

The minimum rate for a Fence Fixer 21 years of age and over shall be 2s. 10½d. per hour.

The minimum rate for a Skilled Fencer: 3s. 0d. per hour.

#### *Metal Railings*

Notwithstanding the foregoing, the rates of pay and conditions of men fixing metal railings only shall be those agreed from time to time under the Agreement between the Engineering and Allied Employers National Federation and the Constructional Engineering Union.

#### *Non-Prejudice Clause*

That where higher rates and/or more favourable conditions are in operation, they shall not be prejudiced by the terms of this Agreement.

#### *Definition*

##### *Skilled Fencer*

A man capable of setting out and erecting all types of fencing, including chain link fencing, wood fencing, chest-

*Rates of Wages (Fencing Industry)*

nut fencing, iron railings, and corrugated iron fencing—including the use of concrete posts—and generally taking charge of the job.

*Fence Fixers*

A man who can fix one type of fence and/or work under the direction of a skilled fencer on the erection of additional types.

It is emphasized that a skilled fencer is a craftsman peculiar to the Fencing Industry, inasmuch as he needs to have knowledge of working with Iron, Steel, Timber, and Concrete.

**RATES OF WAGES  
(MASTIC ASPHALTE INDUSTRY)**

**AUTHORIZED RATES OF WAGES IN THE MASTIC ASPHALTE INDUSTRY, AS AGREED BY THE NATIONAL JOINT COUNCIL FOR THE MASTIC ASPHALTE INDUSTRY**

*and effective from 1st October 1948*

**SECRETARIES**

*Employers*

N. W. Jenson, F.C.I.S.,  
55, Romney Street,  
Westminster,  
London, S.W.1.  
*Telephone: ABBey 3891/2.*

*Operatives*

F. V. Jenkins,  
82/84, Newington  
Causeway,  
London, E.1.  
*Telephone: HOP 3610.*

|                                      | London Area |           | Provincial Area |           |
|--------------------------------------|-------------|-----------|-----------------|-----------|
|                                      | Hourly rate |           | Hourly rate     |           |
|                                      | <i>s.</i>   | <i>d.</i> | <i>s.</i>       | <i>d.</i> |
| Layers:                              |             |           |                 |           |
| Charge Hands .....                   | 3           | 5         | 3               | 3½        |
| Spreaders .....                      | 3           | 0         | 2               | 10½       |
| Mixermen .....                       | 2           | 8½        | 2               | 7½        |
| Potmen .....                         | 2           | 7½        | 2               | 6½        |
| <b>Manufacturing Labourers</b> ..... | 2           | 4½        | 2               | 3½        |
| Classified Labourers .....           | 2           | 4½        | 2               | 3½        |

## RATES OF WAGES (GLAZING TRADE)

### AUTHORIZED RATES OF WAGES IN THE GLAZING TRADE AS FIXED BY THE NATIONAL JOINT INDUSTRIAL COUNCIL FOR THE GLAZING TRADE

*taking effect at beginning of pay week next following 11th  
July 1948*

#### SECRETARIES

| <i>Employers</i>  | <i>Operatives</i>   |
|---|---|
| L. F. Brett,<br>54, Old Broad Street,<br>London, E.C.2.<br><i>Telephone:</i> LONDON Wall<br>7325/6. | J. W. Stephenson,<br>15, Abbeville Road,<br>Clapham,<br>London, S.W.4.<br><i>Telephone:</i> TULSE Hill<br>2598. |

The basic rates of wages for Glaziers, with a few exceptions, shall be the basic rates as prescribed from time to time for building trade craftsmen by the National Joint Council for the Building Industry.

#### APPRENTICES

If a five years' apprenticeship, the apprentices wage to be:

| If apprenticed<br>at age of 15 | If apprenticed<br>at age of 16 | of Journey-<br>man's wages |
|--------------------------------|--------------------------------|----------------------------|
| From 15 to 16                  | From 16 to 17                  | 25%                        |
| " 16 " 17                      | " 17 " 18                      | 33 $\frac{1}{3}$ %         |
| " 17 " 18                      | " 18 " 19                      | 50%                        |
| " 18 " 19                      | " 19 " 20                      | 66 $\frac{2}{3}$ %         |
| " 19 " 20                      | " 20 " 21                      | 75%                        |

If a four years' apprenticeship, the apprentice's wages to be:

|                                       | of Journey-<br>man's wages |
|---------------------------------------|----------------------------|
| From 17 to 17 $\frac{1}{2}$ . . . . . | 25%                        |
| " 17 $\frac{1}{2}$ " 18 . . . . .     | 33 $\frac{1}{3}$ %         |
| " 18 " 19 . . . . .                   | 50%                        |
| " 19 " 20 . . . . .                   | 66 $\frac{2}{3}$ %         |
| " 20 " 21 . . . . .                   | 75%                        |

## RATES OF WAGES (OUTSIDE STEELWORK ERECTION)

**AUTHORIZED RATES OF WAGES FOR WORKERS  
EMPLOYED ON OUTSIDE STEELWORK ERECTION  
AS AGREED BETWEEN ENGINEERING  
AND ALLIED EMPLOYER'S NATIONAL FEDERATION  
AND CONSTRUCTIONAL ENGINEERING UNION**

*and effective from first full pay week after 4th October 1948*

|   |   |
|---|---|
| <p style="text-align: center;"><i>Employers</i></p> <p>Engineering and Allied Employers' National Federation,<br/>Broadway House,<br/>Tothill Street,<br/>Westminster,<br/>London, S.W.1.<br/><i>Telephone: Whitehall 6314.</i></p> | <p style="text-align: center;"><i>Operatives</i></p> <p>Constructional Engineering Union,<br/>9, Cinema Parade,<br/>Morden,<br/>Surrey.<br/><i>Telephone: Mitcham 1688.</i></p> |
|---|---|

| Grade                                  | London Area                        |           | Outside London |           |
|--|------------------------------------|-----------|----------------|-----------|
|  | Hourly rate                        |           | Hourly rate    |           |
|  | <i>s.</i>                          | <i>d.</i> | <i>s.</i>      | <i>d.</i> |
| Erectors .....                         | 2                                  | 9         | 2              | 8         |
| Riveters .....                         | 2                                  | 10        | 2              | 9         |
| Riveters' " Holders-up " ....          | 2                                  | 9         | 2              | 8         |
| Sheeters .....                         | 2                                  | 11        | 2              | 9         |
| Sheeters' " Holders-up " ....          | 2                                  | 9         | 2              | 8         |
| Stagers or Riggers .....               | 2                                  | 9         | 2              | 8         |
| Cranedriviers .....                    | 2                                  | 10        | 2              | 9         |
| Welders .....                          | 2                                  | 10        | 2              | 9         |
| Burners, New Work .....                | 2                                  | 10        | 2              | 9         |
| Burners, Dandelion or Scrap Work ..... | 2                                  | 9         | 2              | 8         |
| Rivet Heaters (adults) .....           | 2                                  | 7         | 2              | 6         |
| Erectors' Helpers .....                | 2                                  | 7½        | 2              | 6½        |
| Labourers .....                        | Civil Engineering Contracting Rate |           |                |           |

## RATES OF WAGES (TERRAZZO—MOSAIC INDUSTRY)

**AUTHORIZED RATES OF WAGES IN THE TERRAZZO-  
MOSAIC INDUSTRY AS AGREED BETWEEN  
THE AMALGAMATED UNION OF BUILDING  
TRADE WORKERS AND NATIONAL FEDERATION  
OF TERRAZZO-MOSAIC SPECIALISTS**

*and effective from beginning of the pay week following 11th  
July 1948*

### SECRETARIES

#### *Employers*

J. Denver,  
2, Conyngham Road,  
Victoria Park,  
Manchester, 14.  
*Telephone*: RUSholme  
2831/2/3.

#### *Operatives*

L. Fawcett, O.B.E.,  
"The Builders",  
Crescent Lane,  
South Side,  
Clapham Common,  
London, S.W.4.  
*Telephone*: MACaulay  
2442.

|                      | Layers      |           | Polishers   |           |                 |           |
|----------------------|-------------|-----------|-------------|-----------|-----------------|-----------|
|                      |             |           | Dry         |           | Wet and<br>Hand |           |
|                      | Hourly rate |           | Hourly rate |           |                 |           |
|                      | <i>s.</i>   | <i>d.</i> | <i>s.</i>   | <i>d.</i> | <i>s.</i>       | <i>d.</i> |
| London Area . . . .  | 2           | 11½       | 2           | 9½        | 2               | 8½        |
| Provincial . . . . . | 2           | 10        | 2           | 8         | 2               | 7         |

**RATES OF WAGES  
(VENTILATING AND DOMESTIC  
ENGINEERING INDUSTRY)**

**AUTHORIZED RATES OF WAGES FOR HEATING,  
VENTILATING, AND DOMESTIC ENGINEER-  
ING INDUSTRY AS AGREED BY THE JOINT  
CONCILIATION COMMITTEE**

*and effective from 6th September 1948*

| <i>Employers</i>   | <i>Operatives</i>   |
|--|---|
| The Association of Heating, Ventilating and Domestic Engineering Employers, 2, Great Peter Street, London, S.W.1.<br><i>Telephone: WHItchall 9609.</i> | The National Union of Operative Heating and Domestic Engineers and General Metal Workers, 917, Warwick Road, Solihull.<br><i>Telephone: Solihull 0057.</i>        |
| The National Federation of Plumbers and Domestic Engineers (Employers), 81, Gower Street, London, W.C.1.<br><i>Telephone: MUSEum 4518.</i>             | Plumbers', Glaziers', and Domestic Engineers' Union, The Plumbing Trades Union, 15, Abbeville Road, Clapham, London, S.W.4.<br><i>Telephone: TULse Hill 2598.</i> |

**CRAFTSMEN**

|  | Hourly rate  |
|--|--------------|
|  | <i>s. d.</i> |
| <i>Grade A</i>                                       |              |
| London—within 15 miles radius of Charing Cross ..... | 2 11½        |
| <i>Grade B</i>                                       |              |
| All other districts in Great Britain.....            | 2 10½        |

**ADULT MATES**

|  |      |
|--|------|
| <i>Grade A</i>                                       |      |
| London—within 15 miles radius of Charing Cross ..... | 2 4½ |
| <i>Grade B</i>                                       |      |
| All other districts in Great Britain .....           | 2 3½ |



***Rates of Wages (Ventilating and Domestic  
Engineering Industry)***

APPRENTICES

| Age Group | Proportion of<br>Craftsman's<br>rate | Grade       |                  |             |                  |
|-----------|--------------------------------------|-------------|------------------|-------------|------------------|
|           |                                      | A           |                  | B*          |                  |
|           |                                      | Hourly rate |                  | Hourly rate |                  |
|           |                                      | <i>s.</i>   | <i>d.</i>        | <i>s.</i>   | <i>d.</i>        |
| Up to 17  | $\frac{1}{3}$                        | 1           | 0                |             | 11 $\frac{1}{2}$ |
| 17 „ 18   | $\frac{1}{2}$                        | 1           | 5 $\frac{1}{2}$  | 1           | 5 $\frac{1}{2}$  |
| 18 „ 19   | $\frac{2}{3}$                        | 1           | 10 $\frac{1}{2}$ | 1           | 9 $\frac{1}{2}$  |
| 19 „ 20   | $\frac{3}{4}$                        | 2           | 2 $\frac{1}{2}$  | 2           | 1 $\frac{1}{2}$  |
| 20 „ 21   | $\frac{7}{8}$                        | 2           | 7 $\frac{1}{2}$  | 2           | 6                |

In Scotland reference to year of apprenticeship.

**RATES OF WAGES  
(ROAD HAULAGE WORKERS  
EMPLOYED IN THE BUILDING  
INDUSTRY)**

**AUTHORIZED RATES OF PAY FOR ROAD HAULAGE WORKERS IN THE BUILDING INDUSTRY MADE BETWEEN THE NATIONAL FEDERATION OF BUILDING TRADE EMPLOYERS AND THE TRANSPORT AND GENERAL WORKERS UNION**

*and effective from 17th November 1947*

*Employers*

The National Federation of Building Trades Employers,  
82, New Cavendish Street,  
London, W.1.  
*Telephone: LANGham*  
4041.

*Operatives*

The Transport and General Workers Union,  
Transport House,  
Smith Square,  
Westminster,  
London, S.W.1.  
*Telephone: VICToria 7671.*

**DEFINITIONS OF GRADES**

*London*

London Region as defined by the National Joint Council for the Building Industry.

*Grade 1*

The Grade A districts as defined by the National Joint Council for the Building Industry, including Liverpool and District (i.e. the area covered by the Liverpool Regional Federation of Building Trades Employers).

*Grade 2*

The districts in Grades A1, A2, and A3, as defined by the National Joint Council for the Building Industry.

**Rates of Wages (Road Haulage Workers  
Employed in the Building Industry)**

**LONDON**

|  | Per week |               |
|--|----------|---------------|
|  | s.       | d.            |
| (i) Drivers of vehicles of:  |          |               |
| Up to and including 15 cwt. carrying capacity .....                  | 111      | 6             |
| Over 15 cwt. and up to and including 2 tons carrying capacity .....  | 120      | 6             |
| Over 2 tons and up to and including 5 tons carrying capacity .....   | 126      | 6             |
| Over 5 tons carrying capacity .....                                  | 130      | 6             |
| Tractors (Steam and I.C.) .....                                      | 129      | 6             |
| (ii) Mates and Statutory Attendants (18 years of age and over) ..... | 116      | 6             |
| (iii) Drivers of vehicles with trailer attached                      | 6d.      | per day extra |

**OTHER THAN LONDON (viz. Grades 1 and 2)**

|  | Grades   |    |
|--|----------|----|
|  | 1        | 2  |
|  | Per week |    |
|  | s.       | d. |
| (i) Drivers of vehicles of:  |          |    |
| Less than 30 cwt. carrying capacity .....                            | 110      | 0  |
| 30 Cwt. up to and including 2 tons carrying capacity .....           | 115      | 0  |
| Over 2 tons up to and including 3½ tons carrying capacity .....      | 120      | 0  |
| Over 3½ tons up to and including 12 tons gross laden weight .....    | 122      | 6  |
| Over 12 tons gross laden weight .....                                | 127      | 6  |
| (ii) Mates and Statutory Attendants (18 years of age and over) ..... | 113      | 6  |

## WORKING RULES (BUILDING INDUSTRY)

### EXTRACTS FROM THE WORKING RULES AS AGREED BY THE NATIONAL JOINT COUNCIL FOR THE BUILDING INDUSTRY

*N.B.*—The National Rules are slightly modified by each Region to meet their particular circumstances and requirements.

The following are the extra payments to operatives for carrying out special tasks or working in special conditions and extra payments to which operatives are entitled in addition to their normal rates of wages:

#### NATIONAL WORKING RULES

##### National Working Rule 1.—National Differential Margin

Qualified Tubular Scaffolders, employed whole-time as such, on satisfying the employer that they have been trained, have been continuously employed in performing this class of work for two years, and can perform satisfactorily the duties defined hereunder, shall be paid a Differential Rate of 3*d.* per hour below the current standard craftsmen's rate.

The onus of proof of training and continuous employment in this class of work must be on the operative concerned and the onus of checking the proof submitted must be on the employer.

The duties which tubular scaffolders must be able to perform are:

- (i) The handling, erecting, dismantling, servicing, and maintaining of tubular scaffolding in all its forms, including the necessary tackle and equipment appertaining thereto.
- (ii) The erection of temporary stands of tubular metal.
- (iii) The handling and maintaining of overhead lifting gear and tackle in accordance with the general practice required from operators in building and allied industries.

**NOTE.**—There is no implication in this Rule that any of the operations mentioned are exclusive to Tubular Scaffolders.

Nothing in the foregoing provisions shall prevent these operations from being performed by ordinary scaffolders, "recognized as such", or where appropriate by other building operatives at their own prescribed rates. Labourers engaged in connection with the erection of tubular scaffolding shall receive the building labourers' rate.

**Working Rules (Building Industry)**

Qualified benders and fixers of bars for reinforced concrete work, employed whole-time as such, on satisfying the employer that they have been trained and have been continuously employed in performing this class of work for two years, shall be paid a Differential Rate of 3*d.* per hour below the current standard craftsmen's rate, and shall provide themselves with the following tools: Pliers, chisels, hammers, and hacksaw frames.

Nothing in the above decision shall prevent simple bar-bending or fixing processes from being performed by labourers at the labourers' rate.

The onus of proof of training and continuous employment in this class of work must be on the operative concerned and the onus of checking the proof submitted must be on the employer.

**National Working Rule 3—Extra Payments**

**GENERAL NOTE.**—The following provisions of National Working Rule 3A, 3B, 3C, and 3D supersede all other provisions for extra payments, save and except variations or additions sanctioned, recorded, and adopted by the National Joint Council for operation in any Region, Area, or District. Such variations must be classified under the same sectional headings (A, B, C, D.) as this main Working Rule.

**A—DISCOMFORT, INCONVENIENCE, OR RISK**

**NOTE.**—*The extra payments provided under this Rule 3A are simple additions to basic plain-time rate and are NOT taken into computation for the calculation of Overtime, Time Lost through Inclement Weather, or Travelling Time.*

While carrying out the exceptional kinds of work specified below, operatives (including apprentices) shall receive, during the hours they are so engaged, the extra payment herein prescribed:

**(a) Timbermen when working either—**

(i) In trenches more than 6 ft. wide and which will exceed 10 ft. in depth (this provision to operate to a depth of 20 ft.), or

(ii) In excavations (other than trenches) more than 10 ft. deep.

are to receive an extra 1*d.* per hour—viz. 2*d.* per hour above the labourers' rate. (This extra payment is not applicable where the timbering required is single poling.)

**Working Rules (Building Industry)**

(b) Furnace or similar hot work up to 120° F..... 2d. per hour.

Above this temperature, or where special circumstances exist, the Local Joint Committee shall be empowered to arrange special terms.

(c)

(i) Work on the repair of main sewers and main sewer manholes and foul or dirty work in chemical works. . 1d. ,,

(ii) Work under conditions involving close contact with dirt or filth of an extent and degree substantially greater than is inherent or usual in the building trade occupation concerned . 1d. ,,

(d) Insulation work when charcoal, silicate of cotton, glass fibres or powdered cork is used ..... 1d. ,,

(e) Detached work calculated from the point of control:

|                                     |     |    |
|-------------------------------------|-----|----|
| Above 40 ft. and up to 90 ft.....   | 1d. | ,, |
| Above 90 ft. and up to 150 ft.....  | 2d. | ,, |
| Above 150 ft. and up to 200 ft..... | 3d. | ,, |
| Above 200 ft. and up to 250 ft..... | 4d. | ,, |
| Above 250 ft. and up to 300 ft..... | 5d. | ,, |

For heights over 300 ft. the Local Joint Committee to be empowered to arrange special terms.

*NOTE.—“ Detached work ” does not include work on structures which are themselves buildings, but it does include work on detached tower-like structures, whether completely detached or rising above and being connected to a main building. In the latter case the point of control is the level at which the detached structure leaves the roof of the main building.*

(f) Work in water where watertight footwear is necessary ..... 1d. per hour.

(The Employer shall also provide the footwear.)

(g) Work in swings, cradles, or boats or in boatswains' chairs ..... 1d. ,,

**Working Rules (Building Industry)**

(h) Work on planks at a height of 20 ft. or more resting upon ladder cripples attached to two ladders ..... 1d. per hour.

(i) Reconstruction and repair of all fire-brick work on retorts ..... 2d. „

(j) Reconstruction and repair of all fire-brick work on ovens, other than domestic.. 1d. „

(k) Work for a period of not less than one working day continuously in the loading, unloading, stacking, or stowing of dry cement (either loose, in sacks, or in drums) or in the placing of dry cement in a hopper or other receptacle allied to a concrete mixer of size 10/7 and upwards..... 1d. „

(The Employer shall also provide, wherever practicable, goggles and protective clothing.)

(l)

(i) Work in tunnels (unlined) ..... 2d. „

(ii) Work in tunnels (lined) ..... 1d. „

NOTE.—*The extra payments in (l), (i) and (ii), above are to apply only when (a) the conditions under which work is being carried out in tunnels involve discomfort to an extent and degree substantially greater than is inherent or usual in the occupation concerned (as might, for example, be the case in an unventilated tunnel, but would not necessarily be the case in a tunnel adequately ventilated) or (b) the work being carried out in a tunnel involves risk to an extent and degree substantially greater than is inherent or usual in the occupation concerned.*

(m) Labourer when using compressed air drills, pneumatic spades or pneumatic machines ..... 1d. per hour.

**B—CONTINUOUS EXTRA SKILL OR RESPONSIBILITY**

NOTE.—*The extra payments provided under this Rule 3B are fixed additions to the basic plain-time rate for the particular workmen specified, and are taken into computation for the calculation of Overtime, Time Lost through Inclement Weather, or Travelling Time.*

The undermentioned classes of operatives, engaged and employed whole-time in the occupations specified, shall receive the respective extra payments herein prescribed (in each case, above the Labourers' Rate):

**Working Rules (Building Industry)**

|   | Above<br>Labourers'<br>Rate |
|---|-----------------------------|
| (a) Timberman, recognized as such (but see 3A (a) above) .....        | 1d. per hour.               |
| (b) Well-sinker, recognized as such ....                              | 1d. ,,                      |
| (c) Maintenance Fitter, employed whole-time as such .....             | 5d. ,,                      |
| (d) Maintenance Fitter's Mate, employed whole-time as such .....      | 1d. ,,                      |
| (e) Greaser on site, employed whole-time on servicing machinery ..... | 2d. ,,                      |
| (f)   |                             |
| (i) Driver of excavator up to and including 1½ cu. yds. ....          | 5d. ,,                      |
| (ii) Driver of excavator over 1½ cu. yds. capacity .....              | 6d. ,,                      |
| (g) Pile-Driver:  |                             |
| (i) Charge Hand .....   | 3d. ,,                      |
| (ii) Ladderman .....  | 2d. ,,                      |
| (iii) Gang .....  | ½d. ,,                      |
| (h) Winch Driver (steam and electric) ..                              | 2d. ,,                      |

**C—INTERMITTENT RESPONSIBILITY**

**NOTE.**—*The extra payments provided under this Rule 3C apply only during actual hours of employment and are taken into computation for the calculation of the half-time payments for hours lost through Inclement Weather. They are NOT taken into computation for calculation of Overtime or Traveling Time or of the 32 hours "guaranteed weekly minimum".*

While carrying out duties specified below, an Operative shall receive, during the hours he is so engaged, the extra payments herein prescribed (in each case, above the Labourers' Rate):

|  | Above<br>Labourers'<br>Rate |
|--|-----------------------------|
| (a)  |                             |
| (i) Man employed in, and actually responsible for, operating a concrete mixer up to but not including 2 cu. yds. capacity or mortar pan or barrow hoist (to apply to one man per machine only) | 1d. per hour.               |



**Working Rules (Building Industry)**

|   | Above<br>Labourers'<br>Rate |
|---|-----------------------------|
| (ii) Man employed in, and actually responsible for, operating mixer of 2 cu. yds. capacity and over (to apply to one man per machine only)..... | 2d. per hour                |
| (iii) Man employed in, and actually responsible for, operating Continuous Mixer (to apply to one man per machine only).....                     | 2d. „                       |
| (b) Pile Frame Winch Driver, when operating Drop Hammer .....   | 3d. „                       |
| (c) Ropeman on Single-acting Lacour-type Hammer .....   | 2d. „                       |
| (d) Scaffolder, recognized as such .....  | 2d. „                       |
| (e) Tubular Scaffolders when engaged on the erection of prefabricated gantries (other than of tubular metal) .....                              | 1d. „                       |

**D—DEMOLITION WORK (LARGE SCALE)**

*NOTE.—The extra payments provided under this Rule 3D are fixed additions to the basic plain-time rate for the particular workmen specified and are taken into computation for the calculation of Overtime, Time Lost through Inclement Weather, or Travelling Time.*

The following extra payments, above the Labourers' Rate in each case, shall be made to the classes of whole-time demolition workers specified while engaged on large-scale demolition work (such as site-clearance):

|   | Above<br>Labourers'<br>Rate |
|---|-----------------------------|
| (a) Demolition Worker and Cleaner (whole-time) .....  | 1d. per hour.               |
| (b) Mattockman .....  | 3d. „                       |
| (c) Topman, capable of carrying out all operations in connection with demolition work ..... | 5d. „                       |
| (d) Burner (Topman) .....   | 5d. „                       |
| (e) Burner (Groundsman) .....   | 2d. „                       |
| (f) Shorer .....  | 5d. „                       |

**Working Rules (Building Industry)****E—TOOL ALLOWANCE, ETC.**

Tool allowances, being in respect of the provision, maintenance, and upkeep of tools provided by the Operative, are not deemed to be wage-payments.

(a) Carpenters and Joiners:  
Twopence (2d.) per day.

(b) Plumbers:  
Twopence (2d.) per day to all plumbers providing and maintaining the tools prescribed in the approved list (separately recorded and published).

(c) Apprentices:  
Twopence (2d.) per day to those carpenter, joiner, and plumber apprentices who are put to the expense of maintaining tools.

Employers shall provide such special edged tools as may be necessary for use on Holoplast, Tufnol, or any similar plastic material.

**National Working Rule 4—Overtime**

Overtime shall be paid at the following rates—namely (first five days of week):

First two hours, time and a quarter; second two hours, time and a half; afterwards, until starting time next morning, double time.

Time worked between leaving-off time on Saturdays and 4 p.m., time and a half; afterwards, until starting time on Monday morning, double time.

When men start before the usual starting time, they shall be paid at overtime rates for any time worked beyond the normal day. Starting time not to be before 6 a.m., and in cases where the Operatives employed are unable to continue at work until the leaving-off time provided by the Working Rules, the time worked before the usual time of starting shall be paid at time and a quarter.

Overtime shall not count until full time for the day has been made; this provision not to apply unless the loss of time is through the workman's own fault.

The working of overtime by apprentices of 18 years of age and over shall be permitted in accordance with the provisions of National Working Rule 4, provided that no apprentice shall be required to work overtime on days when this would interfere with his attendance at technical classes.

Christmas Day (in England and Wales) and the first working day of the year in Scotland, double time.

Time worked on public or other holidays, except as

**Working Rules (Building Industry)**

aforesaid, provided that such public or other holidays are recognized as holidays for the purposes of the Building Industry in any locality or district by being so defined jointly by the Employers' and Operatives' Organizations of any locality or district and having been confirmed by the appropriate Regional Joint Committee, shall be paid for at time and a half for the period of the normal working day, and at double time thereafter.

Overtime shall not be worked except in cases of urgency, and shall not continue for more than six days consecutively unless by consent of a Local Joint Overtime Committee who shall delegate to their officials the power to agree to overtime as aforesaid, but in the event of the officials failing to agree the application shall be referred at once to the Local Joint Overtime Committee. In the event of failure to agree, appeal may be made to the Regional Joint Committee. All overtime extending beyond four days shall be reported immediately thereafter to the Local Joint Secretaries. It shall be permissible for the Employer to employ labourers on overtime in the preparatory work required before the normal starting time and also for the purpose of unloading materials which have not arrived on the job or works in time to be unloaded within the normal working hours.

On out-of-town work—namely, work where in general the men engaged are sent out in accordance with the provisions of Working Rule 6 hereof—the conditions as above prescribed shall apply. In the event of the work being situated in an area where no appropriate Local Joint Committee exists, arrangements respecting overtime shall be mutually arranged between the Employers' and the Workmen's representative concerned.

*NOTE.—The references in the foregoing (Working Rule 4) to holidays and the defining of public or other recognized holidays are concerned with the computation of overtime payments. In regard to the taking of an annual summer holiday under the Holidays Agreement made between the parties on 28th October 1942, the manner of fixing the holiday time is subject to the following provisions in Clauses 4 and 6 thereof:*

*Clause 4.—In the event of any of the six consecutive working days granted to any Operative as his holiday coinciding with one or more of the statutory or public holidays recognized under the Working Rules of the Building or Civil Engineering Industries, the Operative shall not be entitled to an extra day or days of holiday in substitution for such recognized statutory or public holiday or holidays.*

**Working Rules (Building Industry)**

*Clause 6.—Where any Operative is so required by his employer to work during the holiday period as decided upon by the Employer, he shall be entitled to be paid in respect of work done during that period only at ordinary rates of pay, provided nevertheless that, in the event of the holiday period coinciding with one or more of the recognized statutory or public holidays and the Operative being required to work on such a day, he shall be entitled to payment for work done on that day at the holiday rate prescribed by the appropriate Working Rules of the Building or of the Civil Engineering Industry.*

**National Working Rule 5—Night Gangs**

The general working conditions shall apply, but separate men from those at work during the day shall be employed, and 3d. per hour above the ordinary rates shall be paid, provided that at least three nights consecutively are worked.

Where fewer than five nights consecutively are worked by a night-gang and none of the nights is a Saturday or Sunday, an additional payment is to be made, at plain-time rates, for the time-interval by which the actual working hours during which the job is open to a night-gang worker in a pay-week (i.e. night and day working hours together) falls short of the normal working week current in the locality (41½, 44, or 46½ hours).

**National Working Rule 6—Travelling and Lodgings**

*Definitions for Purposes of National Working Rule 6.*

(a) "District" in this Working Rule shall mean, in each case, a locality or locality-group of the character administered as one unit under the National Joint Council's Agreement by a Local Joint Committee.

(b) "District Boundary". The "district boundary" in this Working Rule shall be the agreed boundary of a locality or locality-group administered as one unit under the National Joint Council's Agreement by a Local Joint Committee, or, where no such agreed boundary has been defined, any temporary boundary prescribed by the Regional Joint Committee for the purposes of this Rule.

(c) "Walking-Time Boundary". The "walking-time boundary" (or daily travelling-time limit) for the purposes of National Working Rule 6A shall be as determined by the Local Joint Committee and locally published. It shall take one of the following forms:

either (i) defined limits, such as a Borough Boundary or circles of agreed radii about fixed

**Working Rules (Building Industry)**

centres inside the locality; or (where fares are paid) an agreed tram or bus stage or terminus;  
or (ii) a circle described by an agreed radius about the Employer's shop or yard.

**General Provisions on Daily Travelling (National Working Rule 6A)**

(1) Operatives set on at the job shall not be entitled to any payments in respect of daily travelling to or from that job.

(2) Daily travelling-time payments shall in all cases be at plain-time rates except that, if the allowable travelling-time (one way) exceeds one hour, the excess over one hour shall be paid for at overtime rates.

(3) Time spent in daily travelling is not to be reckoned as part of the working day and nothing in this Rule shall modify the condition upon which guarantee payments are granted under National Working Rule 2A—namely, that, unless otherwise instructed by the Employer, each man has to present himself at the usual starting time and be available for work throughout the normal daily working hours.

(4) In every case where an Operative is entitled to daily travelling payments he shall travel back in his own time; provided that on paydays, if the wages be not paid on the job or place of work, time shall be allowed so that he can be at the Pay Office at the regular time.

**Special Provision on Inter-Job Travelling during Working Time**

When an Operative set on at a job is transferred during working time to another job in the same employment—whether inside or outside the walking-time boundary of the same district—he shall, on the occasion of such transfer, be paid the necessary fares for that journey only, the time so spent being treated as part of his working day.

In any such case where the second job is outside the walking-time boundary of the same district, this provision shall not invalidate any claim in respect of subsequent daily journeys to that job if the Operative is sent to it daily under the terms of National Working Rule 6A.

**National Working Rule 6A—Daily Journeys****A (1)—OPERATIVES SENT OUT DAILY**

When an Operative is sent out daily by his Employer to a job beyond the appropriate "walking-time boundary" (or daily travelling-time limit) as determined by the Local Joint

**Working Rules (Building Industry)**

Committee, the provisions of Alternative (a) hereunder may be operated at the option of the Employer; if that option is not exercised the provisions of Alternative (b) hereunder shall apply.

*Alternative (a)—Conveyance at Employer's Option*

At the option of the Employer such an Operative may be conveyed to and from the job daily by road, rail, tram, or other conveyance, in which event the expenses of such conveyance shall be borne by the Employer, the Operative being paid for the actual time spent (one way) in travelling therein to the job from the said "walking-time boundary".

*Alternative (b)—Walking-Time Allowance*

If the Employer's option to adopt Alternative (a) is not exercised such an Operative shall, in respect of each such day upon which he so travels, be paid a "walking-time" allowance of one-third of the hourly rate for each mile of the distance (one way) between that (walking-time) boundary and the job, the distance between these points being measured along the shortest practicable route.

**A (2)—OPERATIVES RECRUITED OUTSIDE THE DISTRICT BOUNDARY AND SENT IN DAILY BY CONVEYANCE**

Where an Operative brought in by the Employer to work on a job (a) is recruited by the Employer at a centre fixed more than five miles outside the agreed district boundary of the district in which the job is situated and (b) is thereupon conveyed by the Employer daily to and from that job by road, rail, tram, or other conveyance, the expenses of such conveyance shall be borne by the Employer, the Operative being paid (at plain-time rates):

(i) If there is an agreed walking-time boundary in the district from which the man is sent, for the time spent (one way) in travelling the distance from that boundary to the job.

(ii) If not, for the time spent (one way) in travelling the distance between the fixed centre of recruitment and the job, less the walking-time radius of the district in which the job is situated.

**National Working Rule 6B—Operatives sent out Who do not Travel Daily**

**B (1)—TRAVELLING EXPENSES (FARES OR CONVEYANCE)**

Where an Operative, engaged by an Employer in the (Local

**Working Rules (Building Industry)**

Joint Committee) district where the Employer's shop or yard is situated, is sent out for a period (i.e. not under Rule 6A) to a job outside the district boundary his fares shall be paid—or he shall be conveyed—(a) to the job at commencement, (b) from the job on completion, (c) to and from the job, at "periodic leave" intervals of:

1 week—jobs up to 20 miles (in a straight line) from the district boundary.

2 weeks—jobs between 20 and 40 miles (in a straight line) from the district boundary.

4 weeks—jobs between 40 and 60 miles (in a straight line) from the district boundary.

Over 60 miles—an interval fixed by mutual arrangement between Employer and Operatives before going to the job.

**B (2)—TRAVELLING TIME**

In the circumstances specified in 6B (1) above, travelling time, at plain-time rates only, shall be paid for in respect of the following journeys:

(a) To the job from the boundary of the district from which the Operative was sent:

(i) At commencement.

(ii) On return to the job after periodic leave.

(b) At completion—from the job to the boundary of the district from which the Operative was sent.

Time spent in such travelling shall not be reckoned as part of the working day.

**B (3)—LODGING ALLOWANCES**

Lodging Allowance shall be paid (while available for work) to any Operative sent to a job which necessitates his living away from his home in lodgings. The rate of allowance shall be 5s. for each night on which lodgings are necessitated. When, owing to exceptional circumstances, the 5s. rate is found to be inadequate, application may be made, to the Local Joint Committee of the district where the job is situated, for a special rate to be fixed. The stipulated rate of 5s. per night shall be open to revision by the National Joint Council at any Annual Meeting subject to one month's notice from either side.

**Working Rules (Building Industry)****National Working Rule 6C—Operatives sent by the Ministry of Labour upon Formal Request of the Employer**

C(1)—If, in response to a request by an Employer to the Ministry of Labour an Office of that Ministry submits to him, specifically for engagement, an Operative normally registered at that Office, and if the Operative is then engaged by that Employer and employed by him in a shop or on a job which is outside and beyond five miles from the "district boundary" of the district in which that Ministry of Labour Office is situated, he shall be deemed to have been taken on at, and sent from, that Office.

If he is conveyed daily between that (first) district (of engagement) and the (second) district (of employment) he shall be entitled to payments as prescribed in Working Rule 6A (2).

If not conveyed daily he shall be entitled (i) to lodging allowance under Working Rule 6B (3) and (ii) to the travelling expenses and travelling time prescribed under Working Rule 6B (1) and (2), provided that the Employer's maximum liability for the travelling expenses and time shall be limited to the amount which would be payable under that Rule for a journey, on the appropriate route, within 50 miles of the job (it being understood that a man has the right to refuse to accept employment which involves him in travelling a distance greater than that for which, under this proviso, he can recover travelling expenses).

Where such an Operative is subsequently sent by the Employer from the second district to a third district, he shall be entitled to the appropriate payments as between the first and third (or later) district direct.

C (2)—In any such cases [as defined in Working Rule 6C (1)], where the Operative does not travel daily between the two districts but is lodged in the same district as the job or shop, he shall, for any purposes of daily travelling expenses, be treated, while on that job, as having been set on at the job. In the event of his being sent therefrom subsequently to other jobs in that district, he shall be entitled (in the same way as local Operatives) to payments applying within that district under Working Rule 6A—the original job being regarded as equivalent, in this connection, to the Employer's shop or yard.

C (3)—An Operative submitted by the Ministry of Labour Office at which he normally registers and then employed on a job within the area of five miles from the "district boundary" of the district in which that Office is situated,



**Working Rules (Building Industry)**

shall be deemed, for the purposes of Working Rule 6, to have been set on at that job.

**LONDON WORKING RULE****Travelling Allowances**

*NOTE.—This Rule has been approved, for application within the London Region, by the National Joint Council in exercise of its special powers. A map of the London Region specially prepared to show the London boundaries and the exact location of all Employment Exchanges for the operation of this Rule can be obtained from the London Master Builders' Association, 47, Bedford Square, W.C.1. Details of cost, etc., can be obtained on application. The National Working Rule 6 applies outside London and to men sent or brought into London. Copies of this Rule can be obtained from Regional Joint Secretaries.*

**(a) DAILY TRAVELLING (FARE AND ALLOWANCES)**

(1) An operative employed in a shop or on a job which is beyond a radius of four miles from the Ministry of Labour Office nearest his home and which is within the London District shall be paid a daily fare and time allowance in accordance with the scale below. Operatives employed within the radius of four miles referred to above shall not be entitled to either fare or travelling allowances:

|   | Fares | Time<br>allow-<br>ance | Total |
|---|-------|------------------------|-------|
| Under four miles . . . . .  | Nil   | Nil                    | Nil   |
| For each mile or part of a mile<br>in excess of 4 miles . . . . . | 1½d.  | 3d.                    | 4½d.  |

(2) In ascertaining the amount of the allowance, the distance to be measured in a straight line shall be that between the local office of the Ministry of Labour nearest to the Operative's home and the site of the shop or job where the Operative is employed. Where distances involve parts of a mile, any part of a mile shall be regarded as one mile. In the case of an Operative set on at the job and living outside the London District the Office of the Ministry of Labour for the purpose of this Rule shall be the Office in the London District situated nearest to the boundary of the District at a point which is in a direct line between the job and the place where the Operative lives.

**Working Rules (Building Industry)**

(3) An Operative engaged in a shop or on a job when transferred to another site during working hours shall be paid cost of fares. Thereafter the job on which he is employed shall be assumed to be the place at which he is normally employed for ascertaining his fare and time allowance.

(4) At the option of the Employer, Operatives may be conveyed daily to work by transport provided by the Employer. In such cases the Operatives shall be entitled to the time allowance only.

(5) Time spent in daily travelling is not to be reckoned as part of the working day and nothing in this Rule shall modify the condition upon which guarantee payments are granted under National Working Rule 2A—namely that, unless otherwise instructed by the Employer, each man has to present himself at the usual starting time and be available for work throughout the normal daily working hours.

**(b) OPERATIVES SENT OUT WHO DO NOT TRAVEL DAILY**

NOTE.—“*District Boundary*” for the purposes of this London Rule (b) shall be a circle described at a radius of four miles from the Ministry of Labour Office nearest the Operative’s home as prescribed in (a) above.

**(1) Travelling Expenses (Fares or Conveyance)**

Where an operative engaged by an Employer is sent out to a job outside his district boundary and necessitating lodgings, his fares shall be paid or he shall be conveyed:

- (a) to the job at commencement;
- (b) from the job on completion;
- (c) to and from the job, at “periodic leave” intervals of:

1 week—jobs up to 20 miles (in a straight line) from district boundary.

2 weeks—jobs between 20 and 40 miles (in a straight line) from district boundary.

4 weeks—jobs between 40 and 60 miles (in a straight line) from district boundary.

Over 60 miles—an interval fixed by mutual arrangement, between Employer and Operatives, before going to the job.

**(2) Travelling Time**

In the circumstances specified in b (1) above, travelling

***Working Rules (Building Industry)***

time, at plain-time rates only, shall be paid for in respect of the following journeys:

(a) To the job from the Operative's district boundary:

(i) at commencement,

(ii) on return to the job after periodic leave.

(b) At completion—from the job to the Operative's district boundary.

Time spent in such travelling shall not be reckoned as part of the working day.

**(3) *Lodging Allowances***

Lodging allowance shall be paid (while available for work) to any Operative sent to a job which necessitates his living away from his home in lodgings. The rate of allowance shall be five shillings for each night on which lodgings are necessitated.

When, owing to exceptional circumstances, the five shilling rate is found to be inadequate, application may be made, to the Local Joint Committee of the district where the job is situated, for a special rate to be fixed. The stipulated rate of five shillings per night shall be open to revision by the National Joint Council at any Annual Meeting subject to one month's notice from either side.

When men are sent to a higher paid district, Employers to pay the higher rate; if sent to a lower paid district, the rate shall be that of the district from which the men are sent.

*Working Rules (Building Industry)*

**CODE OF WELFARE CONDITIONS FOR THE BUILDING INDUSTRY**

*Operating as from 1st March, 1948*

The National Joint Council for the Building Industry, at its Statutory Meeting on 28th January, 1948, received intimation from its Adherent Bodies of their agreement "that the provision of proper and adequate welfare arrangements on all building sites is essential" and that such provision should be made by all Building employers in accordance with an agreed Code.

The Council then decided to issue the following agreed Code, declaring that as from 1st March, 1948, it shall apply to building sites with the same authority as a National Working Rule.

**CODE**

**1. SHELTER FROM INCLEMENT WEATHER**

Where shelter is not already available, adequate and conveniently accessible, temporary shelter shall be provided.

**2. ACCOMMODATION FOR CLOTHING**

(i) In such shelter, if suitable for the purpose (or, if unsuitable, in some other convenient place), there shall be provision for depositing clothing not worn during work, together with such arrangements as may be reasonably practicable for drying clothing;

(ii) Suitable and separate accommodation shall also be provided at or in the immediate vicinity of the site for storing, when not in use, and drying such special protective clothing and water-tight footwear as may be required.

**3. ACCOMMODATION AND PROVISION FOR MEALS**

(a) Where the number of operatives remaining on their employer's building site during meal intervals is sufficient reasonably to warrant such provisions there shall be provided:

- (i) Adequate and suitable accommodation affording protection from the weather, including sufficient tables and chairs or benches for the taking of meals;
- (ii) Facilities for boiling water and warming meals brought by operatives.

(b) On sites where no adequate facilities for obtaining meals exist in the vicinity and where the number of operatives

***Working Rules (Building Industry)***

wishing to purchase meals is sufficient reasonably to warrant such facilities, arrangements shall be made for the provision of meals, including in such circumstances suitable arrangements for the storing of food and the removal of refuse. The employer may, at his discretion, engage catering contractors to provide these services, but contracts for the provision of meals must be in such terms as would, in cases of dissatisfaction, allow for prompt changes. The prices of food provided must be reasonable in the circumstances and plainly exhibited.

(c) Every endeavour shall be made to ensure that all approaches to canteens or messrooms are kept reasonably firm and dry.

**4. PROVISION OF DRINKING WATER**

An adequate supply of wholesome drinking water (either laid on or in suitable containers) shall be provided on the site at conveniently accessible places, plainly marked "Drinking Water", or patently intended to be used as such.

**5. SANITARY CONVENIENCES**

While on large jobs likely to extend over a period of months it is very desirable that direct connection with sewers should be made at the earliest possible moment, the making of such connection may not always be practicable and in such cases or on smaller jobs, sanitary conveniences of the Trench or Bucket type shall be provided on the basis of not less than one for every 25 persons employed. These conveniences shall be kept clean, shall be under cover, shall be conveniently accessible and shall be provided with internal partition or other arrangements to ensure reasonable privacy. Conveniences of the Trench or Bucket type shall, as nearly as practicable, conform to the following specifications:

***Trench Type***

- (a) Trenches not less than 6 ft. deep and 3 ft. wide. Sides vertical and, where necessary, revetted.
- (b) Not less than 2 ft. of trench to be taken as the equivalent of one sanitary convenience.
- (c) A flyproof superstructure for the seating, having vertical sides and ends but a sloping back.
- (d) Seat openings with self-closing lids.
- (e) Under each seat opening a shield to deflect urine into the middle of the trench.

***Working Rules (Building Industry)***

- (f) A covering of chloride of lime to be placed into the trench each morning and evening on each day the trench is used.
- (g) When any trench becomes filled to within 3 ft. of its top it should be covered forthwith with oiled sacking and filled in with earth.

***Bucket Type***

- (a) Seats with self-closing lids.
- (b) A supply of dry earth or chloride of lime and scoops to be readily available for use by each person.
- (c) Contents of buckets to be disposed of either by incineration or into an otway pit by removal by a contractor.
- (d) Buckets when emptied should be thoroughly cleaned with a solution of 2½% Cresol or appropriate substitute and then smeared inside and outside with crude oil.

**6. WASHING FACILITIES**

Reasonable facilities shall be provided on the job for washing; including the provision of soap, nail-brushes, and towels for any person or persons employed on a process in which a lead compound (as defined in the Building Regulations) or other poisonous substance is used.

**7. FIRST AID**

The following provisions shall be made for first aid treatment of building operatives injured while employed by a builder and his sub-contractors on the builder's site or shop.

- (i) Where more than 25 building operatives are normally employed by a builder and his sub-contractors on the builder's site or shop, suitable first aid boxes shall be available or provided and readily accessible.
- (ii) First aid boxes or cases shall be kept properly stocked in conformity with the requirements of the Building Regulations.
- (iii) Where more than 50 building operatives are normally employed by a builder and his sub-contractors on the builder's site or shop, the boxes shall be in charge of a competent and responsible person who shall be readily available during working hours and whose name shall be prominently displayed near the boxes.

**Working Rules (Building Industry)**

- (iv) Where more than 100 building operatives are normally employed by a builder and his sub-contractors on the builder's site, an ambulance and stretcher shall be provided unless alternative and specific arrangements have been made, with a place with which telephonic communication is readily accessible, for obtaining an ambulance and stretcher reasonably promptly when required.
- (v) (a) Where more than 500 building operatives are intended to be employed at any one time by a builder and his sub-contractors on the builder's site, and where the number so employed for the time being is more than 250, there shall be provided and maintained in good order and in clean condition a properly constructed ambulance room in conformity with the requirements of the Building Regulations. Such room shall be used only for the purpose of first aid treatment and rest. It shall be in charge of a person suitably qualified and readily available during working hours. A record shall be kept of all cases of accident or sickness treated at the room.
- (b) The requirements of (a) above shall also apply in the case of site over ten miles from a hospital where more than 250 building operatives are intended to be (or have been) employed by a builder and his sub-contractors, and where the number of building operatives employed by the builder and his sub-contractors is, for the time being, more than 100.

**8. SITE CONDITIONS**

(a) While the particular circumstances of each job or site must determine the extent to which the following recommendations can be applied, the builder should endeavour, as far as is reasonably practicable and necessary, to provide on his site:

- (i) Such drainage as will keep the site reasonably dry and free from standing surface water.
- (ii) Such roads, paths, and hard standings as will give reasonably clean access to all units under construction.

(b) Proper site organization being an integral part of welfare conditions generally, all reasonable steps should be taken to facilitate smooth working and to minimise discomfort and risk on the job.

## WORKING RULES (ALLIED INDUSTRIES)

The Allied Trades which are indicated under " Rates of Wages " have their own Working Rules, and details of these can be obtained from the Secretary of either the Employer's or the Operative's organization. Extracts from these Working Rules are given on the following pages.



## WORKING RULES (GLAZING TRADE)

### EXTRACTS FROM THE WORKING RULES AS AGREED BY THE NATIONAL JOINT IN- DUSTRIAL COUNCIL FOR THE GLAZING TRADE

#### **Working Rule 6—Travelling Allowances**

Travelling time and expenses shall be paid when men are sent from shop to job or from job to shop. No travelling time or expenses will be paid when men go direct from home to job or from job to home except in circumstances where it takes longer to travel from home to job than it would from home to shop (or vice versa), in which case the difference in time and expenses will be paid.

In the case of all country work necessitating lodging away from home, payment will be made of 9s. 0d. for the first night; 7s. 0d. per night for the four succeeding nights; and thereafter at the rate of 42s. 0d. per week. The day of return from country to home or shop shall rank for payment, but no payment shall be made unless the work has necessitated lodging away. If the job is broken at the employer's request, the 9s. 0d. allowance shall again operate when men return to the job. Alternatively, instead of paying the allowance the employer may provide suitable lodging accommodation.

Where men choose to travel to and from a country job instead of lodging away no more may be claimed than the employer would have paid had the men lodged in the locality.

When employees are working on country jobs necessitating lodging away, they are to be allowed to travel home in the employer's time and to be reimbursed for the fares incurred on the following basis:

From jobs under 80 miles from shop—Once in three weeks.

From jobs over 80 but under 150 miles from shop—Once in six weeks.

From jobs over 150 miles from shop—By arrangement.

## WORKING RULES (CIVIL ENGINEERING INDUSTRY)

### EXTRACTS FROM THE WORKING RULES AS AGREED BY THE CIVIL ENGINEERING CON- STRUCTION CONCILIATION BOARD FOR GREAT BRITAIN

#### **Working Rule XIII—Travelling and Emergency Work In- structed by Employer**

If a man employed at his employer's place of business is sent from there, or if employed on a job, from that job to the site of other work for the purpose of doing any work, or, not being at work, is called from his home at a time not within normal working hours, for the purpose of carrying out emergency work, he shall be allowed travelling expenses and time, at ordinary rates, occupied in travelling one journey each way for the job.

Normal working hours for the purposes of this paragraph shall include night work hours where the man is for the time being employed on night work.

#### **Working Rule XIII A—Travelling and Subsistence Allowance**

The long-standing principle of the industry that the man is taken on at the job is reaffirmed.

The Board recognizes, however, that owing to the cessation of the Uniformity Agreement, travelling and subsistence allowances may be necessary in certain cases. Having regard to the impracticability of defining all the conditions under which such allowances may be justified, the Board agrees:

##### *(a) Key Men*

The question of repayment of such allowances to key men shall continue to be dealt with between individual Employers and their key men in accordance with their long-standing practices.

##### *(b) Other Men*

Where conditions justify such payments proposals shall be submitted to the Board for payment of travelling and/or subsistence allowances to specified operatives whose particular circumstances in relation to the particular job on which they are employed warrant such payments. If (and only to the extent that) any such proposals are approved by the Board they shall become an Award of the Board as from a date determined by the Board.

## WORKING RULES (TERRAZZO-MOSAIC INDUSTRY)

### EXTRACTS FROM THE WORKING RULES AS AGREED BETWEEN THE AMALGAMATED UNION OF BUILDING TRADE WORKERS AND THE NATIONAL FEDERATION OF TERRAZZO- MOSAIC SPECIALISTS

#### Working Rule 6—Travelling Allowances (Town Areas)

There shall be fixed "free areas" in each town and district.

The "free area" shall be that comprised within a radius of 2 miles from the centre of each town.

On jobs within the "free area" no travelling allowances shall be payable.

Men working outside the "free areas" shall be paid travelling allowances according to the following scale:

|                        | Per day |
|------------------------|---------|
|                        | s. d.   |
| 2 to 3 miles . . . . . | 9       |
| 3 " 4 " . . . . .      | 1 0     |
| 4 " 5 " . . . . .      | 1 3     |
| 5 " 6 " . . . . .      | 1 6     |
| 6 " 7 " . . . . .      | 1 10    |
| 7 " 8 " . . . . .      | 2 0     |
| 8 " 10 " . . . . .     | 2 4     |
| 10 " 12 " . . . . .    | 2 6     |
| 12 " 15 " . . . . .    | 2 9     |

All men to be on the job at starting time, and the allowances to be in lieu of travelling time and fares.

# MARKET PRICES OF MATERIALS EXCAVATOR

*NOTE.—In order to avoid raising unnecessary queries with suppliers attention is drawn to the fact that all prices are based on rates ruling November 1948.*

| Material  | Size of load | Unit | Price        |
|---|--------------|------|--------------|
| Carting excavated material from site:   |              |      | <i>s. d.</i> |
| Not over 5 miles:   |              | Yd.  |              |
| Hand loaded .....   | 4-6 yds.     | cube | 5 6          |
| Machine loaded .....  | "            | "    | 4 6          |
| 5-8 miles:  |              |      |              |
| Hand loaded .....   | "            | "    | 5 6          |
| Machine loaded .....  | "            | "    | 4 6          |
| Hardcore .....  | 6-10 yds.    | "    | 6 6          |
| Clinker .....   | 10 yds.      | "    | 4 6          |
| Ashes .....   | "            | "    | 4 6          |
| Grass seed, composed of good quality<br>dwarf evergreen grasses, including rye<br>grass ..... | Lb.          | Lb.  | 2 6          |

## CONCRETOR

NOTE.—In order to avoid raising unnecessary queries with suppliers attention is drawn to the fact that all prices are based on rates ruling November 1948.

| Material  | Size of load    | Unit                     | Price |
|---|-----------------|--------------------------|-------|
| <b>COARSE AND ALL-IN AGGREGATES</b>   |                 |                          |       |
| 1½" all-in ballast to B.S.882, Table 5.   | 4-5 yds.        | Yd. cube                 | 12 0  |
| 1½" shingle to B.S.882, Table 2, for graded aggregate .....                                       | "               | "                        | 10 8  |
| ¾" all-in ballast to B.S.882, Table 5.  | "               | "                        | 15 2  |
| ¾" shingle to B.S.882, Table 2 for graded aggregate .....   | "               | "                        | 11 6  |
| ½" shingle as above .....   | "               | "                        | 12 7  |
| ½" to 1" coarse foamed slag to B.S.877 (approximately 2-6 yds. cube per ton) .....                | 6 tons          | Ton                      | 50 0  |
| ½" to 0" fine foamed slag to B.S.877 (approximately 2-00 yds. cube per ton) .....                 | "               | "                        | 50 0  |
| <b>FINE AGGREGATES</b>  |                 |                          |       |
| Sharp sand to B.S.882, Table 3 .....  | 4-5 yds.        | Yd. cube                 | 14 6  |
| <b>CEMENT</b>   |                 |                          |       |
| Portland cement:  |                 |                          |       |
| Slow-setting quality to B.S.12 .....  | 6 tons          | Ton including paper bags | 71 6  |
| Rapid-hardening quality to B.S.12 "417" or Polar quick-setting or extra rapid-hardening cement .. | "               | "                        | 77 6  |
| "Super" or "Aquacrete" water-repellent cement .....   | "               | "                        | 91 0  |
| Aluminous cement to B.S.915 .....   | 1 ton           | "                        | 101 0 |
| Hollow clay floor pots to B.S.1190:   |                 |                          | 236 6 |
| 12" x 12" x 4½" .....   |                 | 1000                     | 585 0 |
| 12" x 12" x 6" .....  |                 | "                        | 695 0 |
| 12" x 12" x 8" .....  |                 | "                        | 940 0 |
| <b>WATER-PROOFERS</b>   |                 |                          |       |
| "Colemanoid" No. 1 .....  | 5 gals.         | Gal.                     | 11 0  |
| "Tricosal" .....  | 40 gals. & over | "                        | 20 0  |
| "Pudlo" .....   | ½ cwt.          | Lb.                      | 1 5½  |
| G. Lillington & Co., Ltd., No. 1 Metallic liquid .....  | 20-100 gals.    | Gal.                     | 6 8   |
| "Cementone" No. 2 .....   | 100 lbs.        | Lb.                      | 1 0   |
| "Sealocrete" Double-Strength Premix .....   | 5 gals.         | Gal.                     | 11 6  |
| <b>ANTI-FROST ADDITIVES</b>   |                 |                          |       |
| "Sealocrete" Double-Strength Premix .....   | "               | "                        | 11 6  |
| "Colemanoid" No. 1 .....  | "               | "                        | 11 0  |
| "Tretol" Anti-freezer .....   | 45 gals.        | "                        | 4 6   |
| "Evode" Frost Protective 101, Treble Strength .....   | Up to 480 gals. | "                        | 5 0   |
| <b>CEMENT RETARDER</b>  |                 |                          |       |
| Redalon Grade B. ....   | 5 gals.         | "                        | 16 8  |

# 'PUDLO'

BRAND

## CEMENT WATERPROOFER

**DOUBLE THE BULK FOR THE SAME WEIGHT**



Owing to the fact that Portland cement is more than twice as heavy as an equal bulk of 'PUDLO' Brand cement waterproofing powder, the proportions, always specified by weight, are more than doubled in actual use.

### PRICE LIST

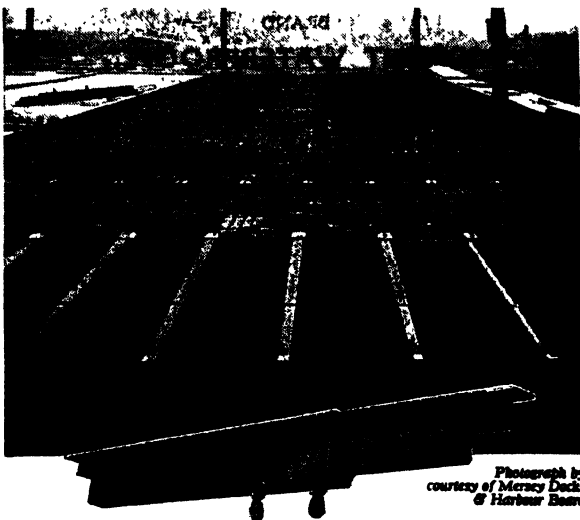
INCREASED BY 10% ON AND AFTER NOVEMBER 17th, 1947.

|                                | Price per lb. | How packed        | Packages cost   |
|--------------------------------|---------------|-------------------|-----------------|
| $\frac{1}{2}$ ton lots or over | 1s. 1d.       | in 56 lb. Cartons | 2s. 0d. per cwt |
| 5 cwt. " " "                   | 1s. 2d.       | " "               | " "             |
| 1 " " " "                      | 1s. 3d.       | " "               | " "             |
| $\frac{1}{2}$ " " " "          | 1s. 4d.       | in one Carton     | 1s. 0d. each    |

*Special prices will be quoted for lots of over two tons for delivery to the site of any single contract.*

**KERNER-GREENWOOD & CO., LTD.,**  
**ANN'S QUAY**                      **KING'S LYNN**

# CUT THOSE COSTS



Photograph by  
courtesy of Mercury Docks  
& Harbour Board

## **KWIKFORM** *Patented Suspended* FORMWORK SYSTEMS

The 'Kwikform' Patented Suspended Formwork system illustrated in actual use on the site of a large dockside warehouse, is adaptable to any job, large or small, and is available for hire or outright purchase.

'Kwikform' Spanforms, as illustrated, are made in a range of sizes to suit openings from 3 ft. 3 in. upwards and do not need props for spans up to 16 ft. 6 in.

There is also 'Kwikform' Patented Wall and Beam Shuttering. Unit Frame Scaffolding. Rising Trestles. Shores and Struts. Builders' Tools, etc.

*It's quicker... it's KWIKFORM*

**KWIKFORM LTD.**

14 WATERLOO PLACE, LONDON, W.1  
TELEGRAMS: KWIKFORM LTD LONDON  
TELEPHONE: 2341

L.G.B.

**Concretor**

| Material   | Size of load  | Unit   | Price |
|--|---|--------|-------|
| <b>COLOURING MATERIALS, HARDENERS, ETC.</b>  |   |        |       |
| See "Pavior".  |   |        |       |
| <b>BUILDING PAPER</b>  |   |        |       |
| "Sisalkraft":  |   | Yd.    | s. d. |
| Subsoil grade .....  | 3' 6" x 200 yds.  | super. | 0 4   |
| Standard grade .....   | 3' x 25 yds. and<br>in longer rolls<br>of varying<br>widths | "      | 0 7½  |
| 60/60 grade (extra heavy) . . . . .  | 3' x 25 yd.<br>and 3' x 50 yd.<br>rolls                     | "      | 0 10  |
| "Ibeco" waterproof paper:  | 3' 0" x 250 yds.<br>long                                    | "      |       |
| No. 40 .....   | "   | "      | 0 1½  |
| No. 45 .....   | "   | "      | 0 1½  |
| No. 50 .....   | "   | "      | 0 1½  |
| No. 60 .....   | "   | "      | 0 2½  |
| No. 80 .....   | "   | "      | 0 2½  |
| No. 80 (special) .....   | "   | "      | 0 3½  |
| <b>BITUMINOUS EXPAN-<br/>SION JOINT</b>  |   |        |       |
| Bituminous expansion joint:  |   | Ft.    |       |
| ¾" .....   | Ex works  | super. | 0 9½  |
| ¾" .....   | "   | "      | 1 0½  |
| Bituminous composition .....   | 1½ cwt. drums.<br>ex works                                  | Cwt.   | 18 6  |
| <b>FLOOR CLIPS</b>   |   |        |       |
| 2" "Bulldog" floor clips .....   | 500 lots  | 1000   | 295 0 |
| Acoustic "Bulldog" clips .....   | "   | "      | 340 0 |
| <b>MILD STEEL REINFORC-<br/>ING RODS</b>   |   |        |       |
| Mild steel reinforcing rods to<br>B.S.785, in lengths between 5' 0"<br>and 40' 0" (prices to station or<br>siding nearest site): |   |        |       |
| ¾" diameter and over .....   | 4 ton<br>(mixed sizes)                                      | Ton    | 392 6 |
| Under ¾" down to and including<br>⅞" diameter .....  | "   | "      | 407 6 |
| Under ⅞" and over ⅞" diameter .  | "   | "      | 415 0 |
| ¾" and over ¾" diameter .....  | "   | "      | 422 6 |
| ¾" " ¾" " .....  | "   | "      | 430 0 |
| ¾" " ¾" " .....  | "   | "      | 437 6 |
| ¾" " ¾" " .....  | "   | "      | 445 0 |
| ¾" diameter .....  | "   | "      | 452 6 |
| Under ¾" down to and including<br>⅞" diameter .....  | "   | "      | 482 6 |



**Concretor****STEEL WIRE MESH FABRIC**

| To B.S.1221, Part A<br>(any quantity) |                         | To B.S.1221, Part B<br>(any quantity) |                         |
|---------------------------------------|-------------------------|---------------------------------------|-------------------------|
| Weight per yd.<br>super.              | Price per yd.<br>super. | Weight per yd.<br>super.              | Price per yd.<br>super. |
| <i>lb.</i>                            | <i>s. d.</i>            | <i>lb.</i>                            | <i>s. d.</i>            |
| 16.35                                 | 5 7½                    | 8.65                                  | 2 11½                   |
| 14.27                                 | 4 11½                   | 7.32                                  | 2 6½                    |
| 12.31                                 | 4 3                     | 6.10                                  | 2 1½                    |
| 10.76                                 | 3 9½                    | 5.17                                  | 1 10                    |
| 9.32                                  | 3 2½                    | 4.32                                  | 1 6½                    |
| 7.88                                  | 2 8½                    | 3.54                                  | 1 4½                    |
| 6.57                                  | 2 4                     | 1.58                                  | 0 11½                   |
| 5.67                                  | 1 11½                   | —                                     | —                       |
| 4.71                                  | 1 7½                    | —                                     | —                       |
| 3.94                                  | 1 5½                    | —                                     | —                       |
| 3.37                                  | 1 4½                    | —                                     | —                       |
| 2.72                                  | 1 2½                    | —                                     | —                       |
| 1.83                                  | 1 0½                    | —                                     | —                       |

| Material   | Unit       | Price        |
|--|------------|--------------|
| <b>PRECAST CONCRETE</b>  |            | <i>s. d.</i> |
| <i>Precast concrete finished fair on exposed faces.<br/>(Prices are for fair quantities of any one section.)</i> |            |              |
| Lintel reinforced with one ½" diameter mild steel rod:   | Ft. run    |              |
| 4½" × 6" .....   | "          | 2 1          |
| 9" × 6" .....  | "          | 4 2          |
| Coping, 9" × 3", weathered and throated, in 4' lengths,<br>with dovetail sinkings at each end for mortices ..    | "          | 2 6          |
| Threshold, 12" × 3", splayed on top .....  | "          | 2 9          |
| Sill, 6" × 3", sunk, weathered, throated and grooved,<br>average 4' 6" long, with stooled ends for jambs....     | "          | 2 3          |
| Duct covers, 4", cast in short lengths reinforced with<br>and including mild steel rods at 6" centres:           |            |              |
| 12" wide, ½" diameter rods .....   | "          | 4 6          |
| 24" wide, ½" diameter rods .....   | "          | 9 6          |
| 2" shelf, size 2' 2" × 2' 3", reinforced with and in-<br>cluding three ½" diameter mild steel rods .....         | No.        | 10 6         |
| Templates:   |            |              |
| 6" × 9" × 9" .....   | "          | 3 9          |
| 6" × 9" × 18" .....  | "          | 7 6          |
| 6" × 9" × 24" .....  | "          | 9 0          |
| " " Glascrete " pavement lights in precast panels ....   | Ft. super. | 18 0         |
| " " Glascrete " roof lights in precast panels .....  | "          | 16 0         |

BRICKLAYER

NOTE.—In order to avoid raising unnecessary queries with suppliers attention is drawn to the fact that all prices are based on rates ruling November 1948.

| Material   | Size of load     | Unit               | Price        |
|--|------------------|--------------------|--------------|
| <b>CEMENT</b>  |                  |                    | <i>s. d.</i> |
| See "Concretor".   |                  |                    |              |
| <b>SAND</b>  |                  |                    |              |
| Sand for brickwork to B.S.1200 .....                                 | 4-5 yds.         | Yd. cube           | 12 5         |
| <b>LIME</b>  |                  |                    |              |
| Grey lump lime to B.S.890 for semi-hydraulic calcium quicklime ..... | 6 tons           | Ton excluding bags | 75 3         |
| Chalk lump lime to B.S.890 for non-hydraulic calcium quicklime ..... | "                | " "                | 75 3         |
| Grey hydrated lime to B.S.890 for semi-hydraulic calcium lime .....  | "                | Ton including bags | 81 6         |
| White hydrated lime to B.S.890 for non-hydraulic calcium lime .....  | "                | " "                | 81 6         |
| Blue lias ground lime.....   | "                | " "                | 127 6        |
| <b>BRICKS (2<math>\frac{5}{8}</math>'x')</b>                         |                  |                    |              |
| <b>Fletton bricks:</b>   |                  |                    |              |
| Plain .....  | 3500             | 1000               | 85 0         |
| Keyed .....  | "                | "                  | 87 0         |
| Rustic .....   | "                | "                  | 105 0        |
| Cellular rustic .....  | "                | "                  | —            |
| Cortex .....   | "                | "                  | 100 0        |
| Sand-faced .....   | "                | "                  | 115 0        |
| Single bullnose .....  | "                | "                  | 105 0        |
| Squint.....  | "                | "                  | 105 0        |
| Double bullnose .....  | "                | "                  | 120 0        |
| Cownose .....  | "                | "                  | 120 0        |
| <b>Stock bricks:</b>   |                  |                    |              |
| 1st hard .....   | "                | "                  | 209 0        |
| 2nd hard .....   | "                | "                  | 194 0        |
| Mild .....   | "                | "                  | 164 0        |
| Rough .....  | "                | "                  | 164 0        |
| Warnham selected hard pressed .....                                  | 2000             | "                  | 130 0        |
| <b>Southwater engineering:</b>                                       |                  |                    |              |
| No. 1 .....  | 1750             | "                  | 247 6        |
| No. 2 .....  | "                | "                  | 220 0        |
| No. 3 .....  | "                | "                  | 180 0        |
| Lingfield engineering wirecuts .....                                 | 2000             | "                  | 161 6        |
| Uxbridge flint engineering bricks.....                               | "                | "                  | 138 9        |
| Blue wirecuts.....   | Full lorry loads | "                  | 351 0        |
| Blue pressed .....   | "                | "                  | 392 6        |
| Blue single bullnose .....   | "                | "                  | 405 6        |
| Blue double bullnose .....   | "                | "                  | 409 6        |
| Blue brindled .....  | "                | "                  | 341 0        |

*Bricklayer*

| Material                                    | Size of load                     | Unit       | Price        |
|---|----------------------------------|------------|--------------|
| <b>BRICKS—continued</b>                     |                                  |            | <i>s. d.</i> |
| Midhurst best white facing bricks . . . . . | —                                | 1000       | 165 0        |
| Dorking sandfaced facing bricks:            |                                  |            |              |
| Hand-made multicoloured . . . . .           | 2000                             | ..         | 228 6        |
| Pressed multicoloured:                      |                                  |            |              |
| Best . . . . .                              | ..                               | ..         | 189 6        |
| Seconds . . . . .                           | ..                               | ..         | 169 6        |
| Southwater pressed sandfaced bricks:        |                                  |            |              |
| Multi-coloured facings . . . . .            | 1750                             | ..         | 235 0        |
| Reds . . . . .                              | ..                               | ..         | 222 6        |
| Uxbridge flint facing bricks:               |                                  |            |              |
| White . . . . .                             | 2000                             | ..         | 118 9        |
| No. 4 cream . . . . .                       | ..                               | ..         | 143 9        |
| No. 6 buff . . . . .                        | ..                               | ..         | 151 3        |
| No. 78 brown . . . . .                      | ..                               | ..         | 168 9        |
| No. 167 golden brown . . . . .              | ..                               | ..         | 168 9        |
| Glazed bricks, 9" × 4½" × 2¼":              | Full truck loads to station only |            |              |
| White, ivory, brown, and brown salt-glazed: |                                  |            |              |
| Headers:                                    |                                  |            |              |
| Best . . . . .                              | ..                               | ..         | 967 9        |
| Seconds . . . . .                           | ..                               | ..         | 918 9        |
| Stretchers:                                 |                                  |            |              |
| Best . . . . .                              | ..                               | ..         | 980 0        |
| Seconds . . . . .                           | ..                               | ..         | 931 0        |
| Buff and cream:                             |                                  |            |              |
| Headers:                                    |                                  |            |              |
| Best . . . . .                              | ..                               | ..         | 1016 9       |
| Stretchers:                                 |                                  |            |              |
| Best . . . . .                              | ..                               | ..         | 1029 0       |
| Other colours:                              |                                  |            |              |
| Headers:                                    |                                  |            |              |
| Best . . . . .                              | ..                               | ..         | 1102 6       |
| Seconds . . . . .                           | ..                               | ..         | 943 3        |
| Stretchers:                                 |                                  |            |              |
| Best . . . . .                              | ..                               | ..         | 1114 9       |
| Seconds . . . . .                           | ..                               | ..         | 955 6        |
| Firebricks:                                 |                                  |            |              |
| 2½" . . . . .                               | 100-499                          | 100        | 52 9         |
| 3" . . . . .                                | ..                               | ..         | 62 3         |
| Fireclay, loose . . . . .                   | Cwt.                             | Cwt.       | 6 9          |
| Fixing bricks to B.S. 1180 . . . . .        | 2500                             | 1000       | 95 0         |
| <b>DAMP-PROOFING MATERIALS</b>              |                                  |            |              |
| Damp-course slates to B.S.743:              | 2000-                            |            |              |
| 14" × 4½" . . . . .                         | 4000                             | 1000       | 210 0        |
| 14" × 9" . . . . .                          | ..                               | ..         | 426 6        |
| Portuguese damp-course slates:              |                                  |            |              |
| 14" × 4½" . . . . .                         | ..                               | ..         | 187 0        |
| 14" × 9" . . . . .                          | ..                               | ..         | 390 0        |
| Fibre-based bitumen damp-course . . . . .   | —                                | Yd. super. | 3 3          |

*Bricklayer*

| Material                            | Unit | Single       | Double       |
|-------------------------------------|------|--------------|--------------|
|                                     |      | <i>s. d.</i> | <i>s. d.</i> |
| <b>GAS FLUES</b>                    |      |              |              |
| Gas-flue blocks to B.S.1289:        |      |              |              |
| Set of building-in blocks . . . . . | No.  | 5 2          | 9 6          |
| Straight blocks . . . . .           | "    | 2 3          | 3 11         |
| Raking blocks . . . . .             | "    | 3 8          | 5 6          |
| Closer blocks . . . . .             | "    | 2 3          | 3 10         |
| Cover blocks . . . . .              | "    | 3 3          | 6 0          |
| Terminal blocks:                    |      |              |              |
| Ordinary . . . . .                  | "    | 12 1         | 15 11        |
| End . . . . .                       | "    | 12 0         | 15 9         |
| Middle . . . . .                    | "    | 11 9         | 15 3         |

**Bricklayer**

| Material  | Size of load                       | Unit     | 2" thick |      | 2½" thick |      | 3" thick |           | 4" thick  |    | 4½" thick |      |
|---|------------------------------------|----------|----------|------|-----------|------|----------|-----------|-----------|----|-----------|------|
|   |                                    |          | s        | d.   | s         | d.   | s        | d.        | s         | d. | s         | d.   |
| <b>PARTITION BLOCKS</b>   |                                    |          |          |      |           |      |          |           |           |    |           |      |
| Precast concrete partition blocks:<br>Hollow, to B.S.728:               |                                    |          |          |      |           |      |          |           |           |    |           |      |
| Well burnt clinker aggregate to<br>B.S.1165 .....                       |                                    | Yd super | —        | —    | —         | —    | 4 5      | —         | —         | —  | —         | 5 4  |
| Foamed slag aggregate to B.S.877 .....                                  |                                    | "        | —        | —    | —         | —    | 6 8      | —         | —         | —  | —         | 8 3  |
| Natural gravel, crushed stone aggregate to B.S.882 .....                |                                    | "        | —        | —    | —         | —    | 6 11     | —         | —         | —  | —         | 8 5  |
| Solid to B.S.492:   |                                    |          |          |      |           |      |          |           |           |    |           |      |
| Well burnt clinker aggregate to<br>B.S.1165 .....                       |                                    | "        | 3 5      | 4 1  | 4 1       | 4 1  | 4 9      | —         | —         | —  | —         | 6 1  |
| Foamed slag aggregate to B.S.877 .....                                  |                                    | "        | 5 4      | 6 3  | 6 3       | 6 3  | 7 0      | —         | —         | —  | —         | 9 9  |
| Hollow clay partition blocks, keyed on<br>both sides, to B.S.1190 ..... | 105-155 yds.<br>according to sizes | "        | 3 1      | 3 4  | 3 4       | 3 4  | 4 0      | —         | —         | —  | —         | 4 7  |
| As above but smooth face both sides ..                                  | "                                  | "        | 3 5      | 3 8  | 3 8       | 3 8  | 4 4      | —         | —         | —  | —         | 4 11 |
| Moler hollow partition blocks, keyed both<br>sides .....                |                                    | "        | 8 3      | 8 6  | 8 6       | 8 6  | 8 9      | 9 6       | —         | —  | —         | —    |
| Foalsil partition blocks .....  | 6 tons                             | "        | 13 6     | 14 6 | 14 6      | 14 6 | 15 6     | 18 3      | —         | —  | —         | 19 9 |
| Kimolo hollow partition blocks .....                                    | "                                  | "        | 6 8½     | 7 2  | 7 2       | 7 2  | 7 5½     | 8 5       | —         | —  | —         | 9 6½ |
| Precast concrete blocks with cavities to<br>B.S.834:                    |                                    |          |          |      |           |      |          |           |           |    |           |      |
| Natural gravel, crushed stone aggregate<br>to B.S.882 .....             |                                    | "        |          |      |           |      |          | 4½" thick | 8½" thick |    |           |      |
| Foamed slag aggregate to B.S.877 .....                                  |                                    | "        |          |      |           |      |          | s. d.     | s. d.     |    |           |      |
|   |                                    |          |          |      |           |      |          | 8 5       | 14 0      |    |           |      |
|   |                                    |          |          |      |           |      |          | 8 3       | 14 10     |    |           |      |

**Bricklayer**

| Material                              | Unit       | Price             |                     |                     |                     |                     |                        |                        |
|---------------------------------------|------------|-------------------|---------------------|---------------------|---------------------|---------------------|------------------------|------------------------|
|                                       |            | Over 550 sq. yds. | 450 to 549 sq. yds. | 350 to 449 sq. yds. | 275 to 349 sq. yds. | 200 to 274 sq. yds. | Less than 200 sq. yds. |                        |
| <b>PARTITION BLOCKS—contd.</b>        |            |                   |                     |                     |                     |                     |                        |                        |
| Wood wool lightweight building slabs: | Yd. super. |                   |                     |                     |                     |                     |                        |                        |
| 1" .....                              |            | s. d.<br>4 2      | s. d.<br>4 3        | s. d.<br>4 5        | s. d.<br>4 6        | s. d.<br>4 8        | s. d.<br>4 10          | Less than 200 sq. yds. |
| Over 400 sq. yds.                     |            |                   |                     |                     |                     |                     |                        |                        |
| 1½" .....                             | "          | s. d.<br>5 4      | s. d.<br>5 5½       | s. d.<br>5 7½       | s. d.<br>5 9½       | s. d.<br>5 11½      | s. d.<br>6 2           | Less than 150 sq. yds. |
| Over 325 sq. yds.                     |            |                   |                     |                     |                     |                     |                        |                        |
| 2" .....                              | "          | s. d.<br>6 7      | s. d.<br>6 9        | s. d.<br>6 11       | s. d.<br>7 2        | s. d.<br>7 4        | s. d.<br>7 6½          | Less than 125 sq. yds. |
| Over 275 sq. yds.                     |            |                   |                     |                     |                     |                     |                        |                        |
| 2½" .....                             | "          | s. d.<br>7 8      | s. d.<br>7 9½       | s. d.<br>8 0½       | s. d.<br>8 3        | s. d.<br>8 5½       | s. d.<br>8 9           | Less than 100 sq. yds. |
| Over 250 sq. yds.                     |            |                   |                     |                     |                     |                     |                        |                        |
| 3" .....                              | "          | s. d.<br>8 6      | s. d.<br>8 8        | s. d.<br>8 10½      | s. d.<br>9 1        | s. d.<br>9 5        | s. d.<br>9 8½          | Less than 75 sq. yds.  |

*Bricklayer*

| Material   | Size of Load     | Unit | Best         | Seconds      |
|--|------------------|------|--------------|--------------|
| <b>PARTITION BLOCKS—contd.</b>                                       |                  |      |              |              |
| Glazed partition blocks, white, ivory, golden brown and salt-glazed: |                  |      | <i>s. d.</i> | <i>s. d.</i> |
| Single stretchers . . . .  | Full truck loads | 1000 | 980 0        | 931 0        |
| Double stretchers . . . .  | "                | "    | 1298 6       | 1249 6       |
| Square quoin . . . . .   | "                | "    | 1225 0       | 1176 0       |
| Bullnose . . . . .   | "                | "    | 1225 0       | 1176 0       |
| Rounded end . . . . .  | "                | No.  | 1 11         | 1 10½        |

| Material  | Size of load     | Unit | Price        |
|---|------------------|------|--------------|
| <b>SUNDRY MATERIALS</b>   |                  |      |              |
| Wall-ties, galvanized iron, twisted type, to B.S.1243:                        |                  |      | <i>s. d.</i> |
| 1" . . . . .  | Cwt.             | Cwt. | 78 9         |
| 1½" . . . . .   | "                | "    | 78 0         |
| Wall-ties, butterfly type to B.S. 1243:                                       |                  |      |              |
| 10 s.w.g. galvanized wire . . . . .   | 1000             | 1000 | 84 0         |
| 12 s.w.g. copper wire . . . . .   | "                | "    | 209 0        |
| 24-gauge metal mesh reinforcement in 270 ft. coils:                           |                  |      |              |
| 2½" wide . . . . .  | 3 cwt.           | coil | 13 9         |
| 4½" wide . . . . .  | "                | "    | 23 9         |
| Cramps, 1½" × ¼" galvanized hoop-iron, 18" girth . . . . .                    | 100              | No.  | 0 5          |
| Scrim 3½" wide . . . . .  | 100 yds. rolls   | Roll | 5 10         |
| Clips (for fixing wood wool slabs to purlins) . . . . .                       | 100              | 100  | 34 8         |
| Air brick, cast-iron, to B.S.493 type "A":                                    |                  |      |              |
| 9" × 3" . . . . .   | Small quantities | No.  | 1 2          |
| 9" × 6" . . . . .   | "                | "    | 2 6          |
| 9" × 9" . . . . .   | "                | "    | 3 9          |
| Air brick, red terracotta:  |                  |      |              |
| 9" × 3" . . . . .   | "                | "    | 1 1          |
| 9" × 6" . . . . .   | "                | "    | 2 3          |
| 9" × 9" . . . . .   | "                | "    | 5 9          |
| Chimney-pot, red terracotta, 9" diameter, to B.S.1181, pattern as Clause 13c: |                  |      |              |
| 12" high . . . . .  | "                | "    | 4 10         |
| 24" high . . . . .  | "                | "    | 8 6          |
| 36" high . . . . .  | "                | "    | 20 5         |
| Flue lining, red plain, 9" diameter, 12" high . . . . .                       |                  |      |              |
| As above but with beaded edge . . . . .                                       | "                | "    | 2 5          |
| Plain creasing tiles . . . . .  | "                | 100  | 3 2          |
| Plain hand-made sand-faced roofing tiles, 10½ × 6½" . . . . .                 | "                | "    | 29 6         |
| Red quarry tiles, 6" × 6" × ½" . . . . .                                      | "                | "    | 34 9         |
|   | "                | "    | 23 6         |

DRAINLAYER

NOTE.—In order to avoid raising unnecessary queries with suppliers attention is drawn to the fact that all prices are based on rates ruling November 1948.

| Material                                  | Size of load              | Unit    | Price         |
|---|---------------------------|---------|---------------|
| <b>AGGREGATES</b>                         |                           |         |               |
| See "Concretor".                          |                           |         |               |
| <b>CEMENT</b>                             |                           |         |               |
| See "Concretor".                          |                           |         |               |
| <b>STONEWARE PIPES, ETC.</b>              |                           |         |               |
| Salt-glazed stoneware pipes and fittings: |                           |         | Standard list |
| "Seconds" quality .....                   | 2 tons                    |         | +35%          |
| Best quality .....                        | "                         |         | -15%          |
| British standard quality.....             | "                         |         | +35%          |
| Tested quality .....                      | "                         |         | +42½%         |
| British standard tested quality ..        | "                         |         | +60%          |
| White glazed channels and fittings..      | Not less than £5 in value |         | +67½%         |
|   |                           |         | +20%          |
|   |                           |         | +7½%          |
|   |                           |         | -20%          |
| N.B.—For Standard Lists see "Appendix".   |                           |         |               |
| <b>HARDCORE</b>                           |                           |         |               |
| See "Excavator".                          |                           |         |               |
| <b>LAND DRAINS</b>                        |                           |         |               |
| Clayware pipes to B.S.1196:               |                           |         | s. d.         |
| 3" .....                                  | 100-499                   | 100     | 35 0          |
| 4" .....                                  | "                         | "       | 47 0          |
| 6" .....                                  | "                         | "       | 99 0          |
| Porous concrete pipes to B.S. 1194:       |                           |         |               |
| 3" .....                                  | 5 tons                    | Yd. run | 2 2           |
| 4" .....                                  | "                         | "       | 2 6           |
| 6" .....                                  | "                         | "       | 3 4           |



## Drainlayer

| Material  | Size of load       | Unit    | Diameter of pipes |       |       |       |       |       |       |       |       |       |       |       |
|---|--------------------|---------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|   |                    |         | 4"                | 6"    | 9"    | 12"   | 15"   | 18"   | 24"   | 30"   | 36"   | 42"   | 48"   |       |
|   |                    |         | s. d.             | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. |
| <b>CONCRETE PIPES AND FITTINGS</b>                              |                    |         |                   |       |       |       |       |       |       |       |       |       |       |       |
| Concrete pipes to B.S.556 with O.G. joints .....                | 5 tons mixed loads | Ft. run | —                 | —     | —     | 3 9   | 5 0   | 6 3   | 11 0  | 16 6  | 20 9  | 28 3  | 37 9  | —     |
| Bends .....   | "                  | No.     | —                 | —     | —     | 11 3  | 15 0  | 18 9  | 33 0  | 49 6  | 62 3  | 84 9  | 113 3 | —     |
| Extra to straight pipe per single junction .....                | "                  | "       | —                 | —     | —     | 31 3  | 40 0  | 53 3  | —     | —     | —     | —     | —     | —     |
| Concrete pipes to B.S.556 with spigot and socket joints .....   | "                  | Ft. run | —                 | —     | —     | 4 2   | 5 6   | 6 10  | 12 0  | 18 3  | 22 9  | 31 3  | 41 3  | —     |
| Bends .....   | "                  | No.     | —                 | —     | —     | 12 6  | 16 6  | 20 6  | 36 0  | 54 9  | 68 3  | 93 9  | 123 9 | —     |
| Extra to straight pipe per single junction .....                | "                  | "       | —                 | —     | —     | 31 3  | 40 0  | 53 3  | —     | —     | —     | —     | —     | —     |
| Concrete road gully to B.S.556, 18" diameter and 42" deep ..... | 20                 | "       | 60 0              |       |       |       |       |       |       |       |       |       |       |       |

N.B.—Prices for reinforced pipes plus 15% on above.

*Drainlayer*

| Material                                | Size of load | Unit    | Diameter of chamber or shaft |      |      |      |       |       |       |  |  |  |  |
|---|--------------|---------|------------------------------|------|------|------|-------|-------|-------|--|--|--|--|
|   |              |         | 27"                          | 36"  | 42"  | 48"  | 54"   | 60"   | 72"   |  |  |  |  |
| <b>PRE-CAST CONCRETE MAN-<br/>HOLES</b> |              |         |                              |      |      |      |       |       |       |  |  |  |  |
| Pre-cast concrete manhole to B.S.556:   | 5 tons       | Ft. run | 13 3                         | 20 9 | 28 6 | 37 9 | 59 0  | 65 6  | 85 9  |  |  |  |  |
| Chamber or shaft rings .....            |              | No.     | —                            | 45 9 | 62 6 | 83 0 | 162 6 | 181 6 | 237 6 |  |  |  |  |
| Taper rings, minimum diameter 27":      |              | "       | —                            | 41 0 | 51 0 | 64 3 | 81 9  | 119 3 | 184 9 |  |  |  |  |
| 2' 0" lengths .....                     |              | "       | 34 3                         | —    | —    | —    | —     | —     | —     |  |  |  |  |
| 3' 0" lengths .....                     |              | "       | —                            | —    | —    | —    | —     | —     | —     |  |  |  |  |
| Pre-cast concrete cover slabs, 6' ..... |              | "       | —                            | —    | —    | —    | —     | —     | —     |  |  |  |  |
| Step irons (fixed) .....                |              | "       | 5 3                          | —    | —    | —    | —     | —     | —     |  |  |  |  |

*Drainlayer*

| Material  | Size of load | Unit    | Price        |
|---|--------------|---------|--------------|
|   |              |         | <i>s. d.</i> |
| <b>PRECAST CONCRETE HOUSE INSPECTION CHAMBERS</b>   |              |         |              |
| Type "A" for shallow drainage up to 3' 6" deep. The base can contain up to four inlet channels, two per side. 24" x 20" inside size:  |              |         |              |
| Base unit with main and branch channels   |              | No.     | 24 8         |
| Chamber ring  |              | Ft. run | 19 6         |
| 3" top ring   |              | No.     | 7 8          |
| 6" top ring   |              | "       | 12 4½        |
| Type "R" as above. Base can contain up to three 4" diameter inlet channels on one side only. 24" x 20" inside size:   |              |         |              |
| Base unit with main and branch channels   |              | "       | 24 8         |
| Chamber ring  |              | Ft. run | 19 6         |
| 3" top ring   |              | No.     | 7 8          |
| 6" top ring   |              | "       | 12 4½        |
| Type "B" suitable for any depth, minimum 1' 9". Base can contain up to six inlet channels, three per side. 24" x 30½" inside size:  |              |         |              |
| Base unit with main and branch channels   |              | "       | 39 3         |
| Chamber ring  |              | Ft. run | 23 8         |
| Taper ring  |              | No.     | 15 4½        |
| 24" diameter shaft ring   |              | Ft. run | 15 4½        |
| 3" top ring   |              | No.     | 9 5          |
| 6" top ring   |              | "       | 13 5         |
| Type "C" suitable for any depth, minimum 1' 9". The chamber is large enough for a man to work inside easily. The base can take up to eight inlet channels, four per side. 24" x 40½" inside size: |              |         |              |
| Base unit with main and branch channels   |              | No.     | 68 0         |
| Chamber ring  |              | Ft. run | 37 1         |
| Taper ring  |              | No.     | 30 9         |
| 24" diameter shaft ring   |              | Ft. run | 15 4½        |
| 3" top ring   |              | No.     | 9 5          |
| 6" top ring   |              | "       | 13 5         |
| Step irons  |              | "       | 5 4½         |

**Drainlayer**

| Material   | Size of load | Unit | Price        |
|--|--------------|------|--------------|
| <b>RECTANGULAR PRECAST CONCRETE MANHOLES</b>   |              |      | <i>s. d.</i> |
| 18" × 24" insert blocks, 8" effective depth, complete with main channel and benching ..... |              | No.  | 28 6         |
| Extra for Branch channel .....   |              | "    | 1 6          |
| 1½" thick 18" × 24" chamber rings, per 6" length .....                                     |              | "    | 6 6          |
| Ditto 9" length .....  |              | "    | 9 9          |
| Top section, 3" effective depth .....  |              | "    | 6 0          |
| 2" thick cover with seal .....   |              | "    | 16 6         |
| Surround to cover .....  |              | "    | 6 6          |
| 24" × 39" insert blocks, 9" effective depth, complete with main channel and benching ..... |              | "    | 64 6         |
| Extra for branch channel .....   |              | "    | 2 8          |
| 2" thick 24" × 39" chamber ring, per 6" length .....                                       |              | "    | 13 0         |
| Ditto 9" length .....  |              | "    | 19 6         |
| Ditto 12" length .....   |              | "    | 26 0         |
| Top section, 3" effective depth, to take 18" × 24" cover and frame .....                   |              | "    | 17 6         |

| Material                             | Size of load | Unit    | Diameter of pipe |              |              |              |
|--------------------------------------|--------------|---------|------------------|--------------|--------------|--------------|
|                                      |              |         | 3"               | 4"           | 6"           | 9"           |
| <b>CAST-IRON PIPES AND FITTINGS</b>  |              |         | <i>s. d.</i>     | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| Spigot and socket pipes:             |              |         |                  |              |              |              |
| Cast-iron to B.S.437                 |              | Yd. run | 11 4             | 16 3         | 24 2         | 43 8         |
| Spun cast-iron to B S.1211 Class "B" |              | "       | 5 8              | 7 4          | 12 1         | 19 7         |

## Drainlayer

| Material   | Size of Unit load | Diameter of pipe |         |      |         |       |         |       |
|--|-------------------|------------------|---------|------|---------|-------|---------|-------|
|  |                   | 3"               | 4" x 3" | 4"   | 6" x 4" | 6"    | 9" x 6" | 9"    |
| <b>CAST-IRON PIPES AND FITTINGS—</b><br><i>continued</i>                                   |                   |                  |         |      |         |       |         |       |
| Cast-iron fittings to B.S.1130:  |                   |                  |         |      |         |       |         |       |
| Bend:  | No.               |                  |         |      |         |       |         |       |
| Short radius as Fig. 1 . . . . .   | 10 0              |                  |         | 11 5 |         | 23 8  |         | 72 10 |
| Long radius as Fig. 3 . . . . .  | 11 5              |                  |         | 15 0 |         | 29 2  |         |       |
| With socket to receive stoneware pipe as Fig. 24 . . . . .                                 | "                 |                  |         | 12 4 |         |       |         |       |
| With small square door shaped to bore of pipe as Fig. 6 . . . . .                          | "                 |                  |         | 34 7 |         | 58 3  |         |       |
| Branch:  |                   |                  |         |      |         |       |         |       |
| As Fig. 4 . . . . .  | "                 | 15 11            | 20 0    | 20 0 | 38 8    | 40 11 | 92 10   | 125 7 |
| With small square door shaped to bore of pipe as Fig. 8 . . . . .                          | "                 | 43 9             | 44 7    | 44 7 | 68 3    | 68 3  |         |       |
| Cast-iron gully trap with high invert as Fig. 59, and P outlet . . . . .                   | "                 | 12 9             |         | 17 4 |         | 40 11 |         |       |
| Bellmouth and grating, 12" high, as Fig. 61 . . . . .                                      | "                 | 11 10            |         | 12 4 |         | 19 7  |         | 113 9 |
| As above but with horizontal inlet as Fig. 62 . . . . .                                    | "                 | 16 5             | 17 4    | 17 4 | 30 11   | 42 9  |         |       |
| As above but with vertical inlet as Fig. 65 . . . . .                                      | "                 | 17 4             | 18 3    | 18 3 | 32 9    | 43 8  |         |       |
| Rainwater shoe with vertical inlet as Fig. 76 and rectangular inspection opening . . . . . | "                 |                  |         | 43 8 |         | 60 11 |         |       |

**Drainlayer**

| Material   | Size of load | Unit | Diameter of pipe |              |              |              | Price        |
|--|--------------|------|------------------|--------------|--------------|--------------|--------------|
|  |              |      | 4"               | 6" x 4"      | 6"           | 9" x 6"      |              |
|  |              |      | <i>s. d.</i>     | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |              |
| <b>CAST-IRON PIPES AND FITTINGS—</b><br><i>continued</i> |              |      |                  |              |              |              |              |
| Inspection fittings with flat covers as B.S. 1130:       |              | No.  |                  |              |              |              |              |
| Branch with one branch on one side as Fig. 13            |              | "    | 67 4             | 87 4         | 96 6         | 204 9        | 232 1        |
| <i>Extra for each additional branch on one side</i>      |              | "    | 36 5             | 34 7         | 47 4         | 72 10        | 113 9        |
| Branch with one branch on each side as Fig. 14           |              | "    | 85 7             | 105 7        | 119 3        | 227 6        | 282 1        |
| <i>Extra for each additional branch on each side</i>     |              | "    | 54 7             | 52 9         | 70 1         | 95 7         | 163 9        |
|  |              |      |                  |              | Size of load | Unit         | Price        |
|  |              |      |                  |              |              | No.          | <i>s. d.</i> |
| Petrol-trapping bend:                                    |              |      |                  |              |              | "            | 28 3         |
| 4" diameter, 15" x 30"                                   |              |      |                  |              |              | "            | 50 1         |
| 6" diameter, 15" x 30"                                   |              |      |                  |              |              | "            | 154 9        |
| 9" diameter, 15" x 30"                                   |              |      |                  |              |              |              |              |



PAVIOR

NOTE.—In order to avoid raising unnecessary queries with suppliers attention is drawn to the fact that all prices are based on rates ruling November 1948.

| Material   | Size of load   | Unit       | Price |
|--|--|------------|-------|
| <b>CEMENT</b>  |  |            | s. d. |
| See "Concretor".   |  |            |       |
| <b>SAND</b>  |  |            |       |
| See "Concretor".   |  |            |       |
| <b>WATER-PROOFERS</b>                                    |  |            |       |
| See "Concretor".   |  |            |       |
| <b>HARDENERS</b>   |  |            |       |
| Silicate of soda .....                                   | 5 cwt.   | Cwt.       | 16 3  |
| Cementone No. 8 .....                                    | 5 gals.  | Gal.       | 5 0   |
| Colemanoid No. 3 .....                                   | "  | "          | 6 0½  |
| Ferrous hardener .....                                   | 1 cwt.   | Cwt.       | 50 0  |
| Lillington No. 1 .....                                   | 20-100 gals.   | Gal.       | 6 8   |
| Lillington No. 5 .....                                   | 5 gals.  | "          | 8 6   |
| Sealocrete metallic hardener .....                       | Not less value than £5—<br>under 1 ton   | Cwt.       | 37 6  |
| Sealocrete Concrete Surface Dressing .....               | Not less value than £5—<br>5-gal. drums  | Gal.       | 8 6   |
| Tricosal .....   | 5 gals.  | "          | 23 9  |
| <b>GRANITE CHIPPINGS</b>                                 |  |            |       |
| Granite chippings ¼" to dust, to B S 1201, Table 4 ..... | 6 tons   | Ton        | 45 0  |
| <b>PAVING BRICKS</b>                                     |  |            |       |
| Leicester paviers:                                       |  |            |       |
| 9" × 4½" × 1½" .....                                     | Small quantities   | 100        | 34 0  |
| 9" × 4½" × 2" .....                                      | "  | "          | 35 9  |
| Blue paviers:  |  |            |       |
| 9" × 4½" × 1½" .....                                     | "  | "          | 49 6  |
| 9" × 4½" × 2" .....                                      | "  | "          | 50 6  |
| Lunsford red pressed paviers No. 1.                      | 2000   | 1000       | 275 0 |
| <b>QUARRY TILES</b>                                      |  |            |       |
| Quarry tiles to B.S.1286:                                |  |            |       |
| Red:   |  |            |       |
| 6" × 6" × ½" .....                                       | (Prices for all quarry tiles for delivery to nearest station only) 8 ton composite load. | Yd. super. | 9 6   |
| 6" × 6" × ¾" .....                                       |  | "          | 11 6  |
| Buff:  |  |            |       |
| 6" × 6" × ½" .....                                       |  | "          | 14 0  |
| Red tessellated:   |  |            |       |
| 6" × 6" × ¾" .....                                       | 2 tons.  | "          | 16 2  |



*Pavior*

| Material   | Size of load              | Unit          | Price        |
|--|---------------------------|---------------|--------------|
| <b>QUARRY TILES—continued</b>                                |                           |               | <i>s. d.</i> |
| Coved quarry tile skirting:                                  |                           |               |              |
| 3" high:   |                           |               |              |
| Red .....  |                           | 100           | 37 6         |
| Angles for above .....                                       |                           | No.           | 2 3          |
| Buff. ....   |                           | 100           | 37 6         |
| Angles for above .....                                       |                           | No.           | 2 3          |
| 6" high:   |                           |               |              |
| Red .....  |                           | 100           | 58 6         |
| Angles for above .....                                       |                           | No.           | 2 3          |
| Buff. ....   |                           | 100           | 58 6         |
| Angles for above .....                                       |                           | No.           | 2 3          |
| <b>CONCRETE TILES</b>  |                           |               |              |
| 2" Noelite paving in mixed colours<br>and random sizes ..... | Not less value<br>than £5 | Yd.<br>super. | 10 11        |
| <b>STEEL PAVING</b>  |                           |               |              |
| "Stelcon" 12" × 12" anchor steel<br>plates .....             |                           | "             | 23 9         |
| "Stelcon" 12" × 12" × 1½" steel clad<br>flags .....          |                           | "             | 19 6         |

## MASON

NOTE.—In order to avoid raising unnecessary queries with suppliers attention is drawn to the fact that all prices are based on rates ruling November 1948.

| Material   | Size of load | Unit  | Price        |
|--|--------------|---|--------------|
| <b>NATURAL STONE</b>   |              |   | <i>s. d.</i> |
| Stone in blocks at station in London area:                           | Truck loads  | Ft. cube  |              |
| Ancaster.....  | "            | "   | 7 0          |
| Bath.....  | "            | "   | 4 3½         |
| Clipsham.....  | "            | "   | 11 1         |
| Douling.....   | "            | "   | 6 9          |
| Weldon.....  | "            | "   | —            |
| Portland.....  | "            | "   | 5 1½         |
| White Mansfield.....   | "            | "   | 9 10         |
| Yorkshire.....   | "            | "   | —            |
| <b>ARTIFICIAL STONE</b>  |              |   |              |
| The following in white artificial stone to B.S.1217:                 |              | Prices are for fair quantities of any one section |              |
| Sill, plain sunk, weathered, and throated and grooved for water bar: |              | Ft. run   |              |
| 4½" x 4".....  |              | "   | 2 6          |
| 9" x 3".....   |              | "   | 3 6          |
| 11" x 3".....  |              | "   | 4 6          |
| Coping, weathered and twice throated:                                |              |   |              |
| 2" x 12".....  |              | "   | 3 3          |
| 3" x 12".....  |              | "   | 4 9          |
| 4" x 12".....  |              | "   | 6 0          |
| Saddleback coping, twice throated:                                   |              |   |              |
| 3" (Maximum) x 12".....  |              | "   | 4 9          |
| 5" " ".....  |              | "   | 7 6          |
| 6" " ".....  |              | "   | 8 6          |
| Add to above if circular on plan.....                                |              | "   | 2 6          |
| Extra for external angle stone to:                                   |              | No.   |              |
| 3" weathered coping.....   |              | "   | 3 6          |
| 5" saddleback coping.....  |              | "   | 5 0          |
| Steps, thresholds, or door sills (square or rectangular).....        |              | Ft. cube  | 14 0         |
| As above in spandrel steps.....                                      |              | "   | 15 6         |
| " " " winders.....   |              | "   | 18 0         |
| Rebated or splayed back joints.....                                  |              | Ft. run   | 1 0          |
| Sunk or moulded edge up to 6" girth ..                               |              | "   | 1 6          |
| Rounded corners to steps or sills .....                              |              | No.   | 2 9          |
| 2" landing, hearth or cover stone .....                              |              | Ft. super.  | 2 6          |
| Extra for each additional 1" in thickness ..                         |              | "   | 1 3          |
| <b>MARBLE</b>  |              |   |              |
| In block at works:   |              | Ft. cube  |              |
| Botticcius.....  |              | "   | 30 0         |
| Dove.....  |              | "   | 45 0         |
| Hopton Wood.....   |              | "   | 33 0         |
| Sicilian.....  |              | "   | 46 0         |
| 2nd Statuary.....  |              | "   | 55 0         |
| Sienna.....  |              | "   | 80 0         |
| Roman stone.....   |              | "   | 59 0         |
| Travertine.....  |              | "   | 40 0         |

## ROOFER

NOTE.—In order to avoid raising unnecessary queries with suppliers attention is drawn to the fact that all prices are based on rates ruling November 1948.

The following are intended to represent prices quoted to a general contractor and are not necessarily consistent with the "Prices for Measured Work," the latter being based upon prices for roofing supplied and fixed by specialists.

| Material   | Size of load | Unit | Prices                                       |                   |                                  |                                   |
|--|--------------|------|--|-------------------|----------------------------------|-----------------------------------|
|  |              |      | Slates                                       | Slate and a half  | Eaves slates                     |                                   |
| <b>SLATES</b>  |              |      | <i>s. d.</i>                                 | <i>s. d.</i>      | <i>s. d.</i>                     |                                   |
| Welsh slates to B.S.680:   | Over         |      |  |                   |                                  |                                   |
| 20" x 10" .....  | 1000         | 1000 | 1084 6                                       | —                 | 465 9                            |                                   |
| 16" x 10" .....  | "            | "    | 740 3  | —                 | 351 0                            |                                   |
| 12" x 10" .....  | "            | "    | 465 9  | —                 | 261 0                            |                                   |
| 12" x 6" .....   | "            | "    | 243 0  | —                 | —                                |                                   |
| Westmorland green slates, random sizes                           | 6 tons       | Ton  | 528 0  | —                 | —                                |                                   |
| Red terracotta plain ridge or hip tiles with 6" wings 1' 6" long |              | No   | 2 1  | —                 | —                                |                                   |
| 2" slate ridge or hip roll with 6" wing 1' 6" long               |              |      | —  | —                 | —                                |                                   |
| Blue slate plain ridge with 6" wing 1' 6" long                   |              |      | —  | —                 | —                                |                                   |
|  |              |      |  |                   |                                  |                                   |
|  |              |      | <b>Tiles to B.S.402</b>                      |                   |                                  |                                   |
|  |              |      | <b>Brosley or Staffordshire machine-made</b> |                   | <b>Best hand-made sand-faced</b> | <b>Concrete tiles to B.S. 473</b> |
|  |              |      | <b>Plain</b>                                 | <b>Sand-faced</b> |                                  |                                   |
| <b>PLAIN TILES</b>   |              |      | <i>s. d.</i>                                 | <i>s. d.</i>      | <i>s. d.</i>                     | <i>s. d.</i>                      |
| Plain tiles .....  | Over 1000    | 1000 | 241 9  | 255 0             | 287 3                            | 173 6                             |
| Eaves tiles .....  | "            | "    | 241 9  | 255 0             | 287 3                            | 173 6                             |
| Tile and half .....  | "            | "    | 483 6  | 510 0             | 574 6                            | 347 0                             |
| Angle tiles .....  | "            | Doz. | 26 9   | 26 9              | 26 9                             | 15 3                              |
| Valley tiles .....   | "            | "    | 26 9   | 26 9              | 26 9                             | 15 3                              |
| Half round ridge tile 12" long .....                             | "            | "    | 18 0   | 18 0              | 18 0                             | 25 0 (18" long)                   |
| Segmental ridge tile 12" long .....                              | "            | "    | 18 0   | 18 0              | 18 0                             | —                                 |
| Saddle back ridge 18" long .....                                 | "            | "    | 35 0   | 35 0              | 35 0                             | —                                 |
| Hog-back ridge tile 18" long .....                               | "            | "    | 35 0   | 35 0              | 35 0                             | —                                 |
| Bonnet hip tile .....  | "            | "    | 26 9   | 26 9              | 26 9                             | 15 3                              |

*Roofer*

| Material   | Size of load                           | Unit        | Price        |
|--|--|-------------|--------------|
| <b>SINGLE LAP ROOFING TILES</b>  |  |             | <i>s. d.</i> |
| Norfolk machine made normal roll pantiles, 13½" × 9½" to B.S.1424 ..     | Over 1000                              | 1000        | 507 0        |
| Double roll verge tiles .....  | "                                      | "           | 978 0        |
| Berkshire hand-made red sand-faced pantiles, 14½" × 10" .....            | "                                      | "           | 921 0        |
| Double Roman sand-faced tiles, 16½" × 14" to B.S.1424 .....              | "                                      | "           | 1258 0       |
| Three-roll tiles .....   | "                                      | "           | —            |
| Two-roll half tiles .....  | "                                      | "           | 1258 0       |
| Flat interlocking sand-faced tiles, 15½" × 8" to B.S.1424 .....          | "                                      | "           | 684 6        |
| Tile and half tiles .....  | "                                      | "           | 684 6        |
| Half tiles .....   | "                                      | "           | 684 6        |
| Concrete patent interlocking tiles, 15" × 9" to B.S.550 .....            | "                                      | "           | 497 0        |
| <b>BATTENS AND FELT</b>  |  |             |              |
| Slate or tile batten to B.S.1318, 1½" × ½" .....                         | Over 2500 ft.                          | 100 ft. run | 8 9          |
| No. 1 inodorous sarking felt weighing 50 lbs. per roll .....             | Over 10 rolls                          | Yd. super.  | 1 10         |
| <b>ASBESTOS - CEMENT SHEETS</b>  |  |             |              |
| Grey corrugated sheets ("Big Six" or similar) .....                      | Two tons mixed loads delivered station | Yd super.   | 3 6          |
| Eaves filler piece .....   |  | Ft. run     | 0 10½        |
| Eaves filler and flashing piece .....                                    |  | "           | 0 10½        |
| Two-piece adjustable ridge capping. As above, but ventilating type ..... |  | "           | 1 7½         |
| Two-piece adjustable north-light ridge capping .....                     |  | "           | 2 3          |
| Ridge finials .....  |  | No.         | 1 7½         |
| Two-piece hip capping .....  |  | Ft. run     | 4 6          |
| Apron flashing piece .....   |  | "           | 1 7½         |
| Flashing piece for bottom of glazing .....                               |  | "           | 0 9          |
| Horizontal flashing piece .....  |  | "           | 0 10½        |
| Ventilator sheet 7' 6" long .....  |  | No.         | 0 9          |
| Dormer ventilator sheet 5' 0" long .....                                 |  | "           | 19 0         |
| Opening roof light sheet 8' 0" long .....                                |  | "           | 77 9         |
| Dead roof light sheet 8' 0" long .....                                   |  | "           | 52 3         |
| Angle cover piece .....  |  | "           | 40 9         |
| Barge boards .....   |  | Ft. run     | 1 1½         |
|  |  | "           | 1 1½         |
| <b>SUNDRIES</b>  |  |             |              |
| Galvanized wire tile pegs:   |  |             |              |
| 1½" .....  | Cwt.                                   | Cwt.        | 88 9         |
| 1½" .....  | "                                      | "           | 82 3         |
| 2" .....   | "                                      | "           | 80 9         |
| Copper nails:  |  |             |              |
| 1½" .....  | 14 lbs                                 | Lb.         | 3 8          |
| 1½" .....  | "                                      | "           | 3 8          |
| 2" .....   | "                                      | "           | 3 8          |
| Hip hook, 1" × ½", wrought iron, with 14" scroll .....                   |  | No.         | 2 0          |

## CARPENTER AND JOINER

NOTE.—In order to avoid raising unnecessary queries with suppliers attention is drawn to the fact that all prices are based on rates ruling November 1948.

The prices for timber given below are prices indicating a fair average based on the Control Orders quoted below. For certain factory-manufactured articles basic prices differing from those quoted below have had to be used and these are indicated before the appropriate items.

| Material  | Size of load | Unit     | Price   |
|---|--------------|----------|---------|
| <b>TIMBER</b>   |              |          | £ s. d. |
| Softwoods based on Control Order (No. 46) (Imported Softwood Prices) May 1947 at Basic Price plus £2 10s. 0d. for delivery and £6 9s. 7d. (say £6 10s. 0d.) for landing costs (charges for conversion and special lengths have been allowed in the measurements): |              |          |         |
| Carpentry (Basic Price £64 5s. 0d.)   |              | Standard | 73 5 0  |
| Joinery (Basic Price £71 2s. 6d.) (to B.S.1186) .....   |              | "        | 80 2 6  |
| Floorings (tongued and grooved to B.S.1297) (Basic Price £67 0s. 0d.) .....   |              | "        | 76 0 0  |
| Imported and Home-grown Hardwood based on Control Orders (No. 47) (Imported Hardwood Prices), 18th July 1947, and (No. 44) (Home Grown Timber Prices) 18th January 1947:  |              |          |         |
| First-quality English Oak .....   |              | Ft. cube | 1 4 0   |
| Teak .....  |              | "        | 2 5 0   |
| Iroko .....   |              | "        | 1 3 10  |
| Mahogany .....  |              | "        | 1 4 0   |
| Prices for block and strip floorings are based upon the above Orders, but vary with the quality available. Prices for measured work allow for average qualities.  |              |          |         |
| <b>PLYWOOD</b>  |              |          |         |
| Imported Plywood based on Control Order (No. 48) (Imported Plywood Prices), 29th July 1947:   |              |          |         |
| Prices for plywood vary with the quality and thickness available. Prices for measured work are based upon Imported British Columbian Pine Plywood costing:  |              |          |         |
| 100 ft. super. ....   |              |          | 2 15 0  |
| " .....   |              |          | 3 3 6   |
| " .....   |              |          | 4 1 0   |
| " .....   |              |          | 5 8 0   |

*Carpenter and Joiner*

| Material  | Size of load                                 | Unit       | Single sided |      |      | Double sided |       |      |
|---|--|------------|--------------|------|------|--------------|-------|------|
|   |  |            | 1" & 1 1/2"  | 1"   | 1/2" | 1" & 1 1/2"  | 1"    | 1/2" |
| <b>PLYWOOD.—continued</b>                             |  |            |              |      |      |              |       |      |
| Steel plymax (lead coated or galvanized as available) |  |            |              |      |      |              |       |      |
| sheets:   |  |            |              |      |      |              |       |      |
| 6' 0" x 2' 0" to 7' 0" x 3' 0"                        | Not less than £15 of any one size or quality | Ft. super. | 1 8½         | 2 4  | 2 10 | 2 3½         | 2 11½ | 3 5  |
| 8' 0" x 2' 0" to 8' 0" x 3' 0"                        | "  | "          | 1 10½        | 2 6½ | 3 0  | 2 5½         | 3 1½  | 3 7½ |
| Aluminium plymax sheets:                              |  |            |              |      |      |              |       |      |
| 6' 0" x 2' 0" to 7' 0" x 3' 0"                        | "  | "          | 1 11½        | 2 7½ | 3 2½ | 2 10½        | 3 6½  | 4 0  |
| 6' 0" x 4' 0" to 12' 0" x 4' 0"                       | "  | "          | 2 2          | 2 9½ | 3 3½ | 3 0½         | 3 8½  | 4 2½ |

*N.B.—The above prices are "ex works" London. Small quantities may be subject to an increase of 20%.*

## MARKET PRICES OF MATERIALS

*Carpenter and Joiner*

| Material  | Unit       | 1" panels   |              |                |                |                   |
|---|------------|-------------|--------------|----------------|----------------|-------------------|
|   |            | 1-49 panels | 50-99 panels | 100-199 panels | 200-299 panels | 300 and up panels |
| <b>BUILDING BOARDS</b>  |            |             |              |                |                |                   |
| "Holoplast" Plastic Panels, standard size, 96" x 48"  |            |             |              |                |                |                   |
| Natural   | Ft. super. | s. d.       | s. d.        | s. d.          | s. d.          | s. d.             |
| Cream   | "          | 4 1         | 4 0          | 3 11           | 3 10           | 3 9               |
| Veneered  | "          | 4 4         | 4 3          | 4 2            | 4 1            | 4 0               |
|   | "          | 7 11        | 7 8          | 7 7            | 7 6            | 7 5               |
| NOTE.—The above prices are for panels without wood inserts.<br>For panels with wood inserts add 2d. per ft. super. to the above prices. |            |             |              |                |                |                   |
| Faced with decorative veneers:  |            |             |              |                |                |                   |
| Figured African mahogany:   |            |             |              |                |                |                   |
| 1 side  | "          | s. d.       | s. d.        | s. d.          | s. d.          | s. d.             |
| 2 sides   | "          | 6 11        | 6 10         | 6 10           | 6 9            | 6 9               |
| Figured Australian maple or walnut:   | "          | 8 9         | 8 8          | 8 8            | 8 7            | 8 7               |
| 1 side  | "          | 6 11        | 6 10         | 6 10           | 6 9            | 6 9               |
| 2 sides   | "          | 8 9         | 8 8          | 8 8            | 8 7            | 8 7               |
| Figured oak:  |            |             |              |                |                |                   |
| 1 side  | "          | 6 11        | 6 10         | 6 10           | 6 9            | 6 9               |
| 2 sides   | "          | 8 9         | 8 8          | 8 8            | 8 7            | 8 7               |
| Figured French walnut:  |            |             |              |                |                |                   |
| 1 side  | "          | 7 6         | 7 5          | 7 5            | 7 4            | 7 4               |
| 2 sides   | "          | 9 11        | 9 10         | 9 10           | 9 9            | 9 9               |

*Carpenter and Joiner*

| Material                          | Unit          | Price               |                       |                     |                    |         |
|-----------------------------------|---------------|---------------------|-----------------------|---------------------|--------------------|---------|
|                                   |               | Size of load        |                       |                     |                    |         |
|                                   |               | Over 30,000 sq. ft. | 10,001-30,000 sq. ft. | 5001-10,000 sq. ft. | Up to 5000 sq. ft. | £ s. d. |
| <b>BUILDINGS BOARDS—continued</b> |               |                     |                       |                     |                    |         |
| Standard hardboard:               | 100 ft. super | £ s. d.             | £ s. d.               | £ s. d.             | £ s. d.            | £ s. d. |
| 1/2" .....                        | "             | 1 13 6              | 1 15 0                | 1 16 6              | 1 18 3             |         |
| 3/4" .....                        | "             | 2 6 0               | 2 8 0                 | 2 10 0              | 2 11 9             |         |
| Medium hardboard:                 | "             | 1 6 9               | 1 8 0                 | 1 9 0               | 1 10 3             |         |
| 1/2" (4 mm.) .....                | "             | 1 17 9              | 1 19 6                | 2 1 3               | 2 3 0              |         |
| 3/4" (6 mm.) .....                | "             | 2 8 3               | 2 10 6                | 2 12 6              | 2 14 6             |         |
| 1" (8 mm.) .....                  | "             | 2 14 9              | 2 17 3                | 2 19 9              | 3 2 3              |         |
| 1 1/4" (10 mm.) .....             | "             | 3 4 3               | 3 7 3                 | 3 10 3              | 3 12 9             |         |
| 1 1/2" (12 mm.) .....             | "             |                     |                       |                     |                    |         |
| Super hardboard:                  | "             | 2 7 0               | 2 9 6                 | 2 11 6              | 2 13 6             |         |
| 1/2" .....                        | "             | 2 19 0              | 3 1 6                 | 3 4 0               | 3 6 6              |         |
| 1" .....                          | "             |                     |                       |                     |                    |         |
| 1 1/4" .....                      | "             |                     |                       |                     |                    |         |
| 1 1/2" .....                      | "             |                     |                       |                     |                    |         |
| Imported:                         |               | 2 1 0               | 2 3 0                 | 2 5 0               | 2 6 6              |         |
| 1/2" .....                        |               | 2 16 0              | 2 18 6                | 3 1 3               | 3 2 6              |         |
| 1" .....                          |               |                     |                       |                     |                    |         |
| 1 1/4" .....                      |               |                     |                       |                     |                    |         |
| 1 1/2" .....                      |               |                     |                       |                     |                    |         |

*N.B.—Home produced boards are subject to additional carriage charges.*



*Carpenter and Joiner*

| Material                              | Size of load                       | Unit                         | Price                       |                                   |
|---------------------------------------|------------------------------------|------------------------------|-----------------------------|-----------------------------------|
|                                       |                                    |                              | <i>s. d.</i>                |                                   |
| <b>INSULATING PAPER</b>               |                                    |                              |                             |                                   |
| "Sisalkraft" standard grade . . . . . | 4' x 50<br>yd. rolls               | Yd.<br>super.                | 0 7½                        |                                   |
| "Sisalation" reflective insulation:   |                                    |                              |                             |                                   |
| Single sided . . . . .                |                                    | "                            | 1 10                        |                                   |
| Double sided . . . . .                |                                    | "                            | 2 6                         |                                   |
| Cabots quilt:                         | 3' x 28<br>yd. rolls               |                              |                             |                                   |
| Single ply, ¼" thick . . . . .        |                                    | "                            | 2 0                         |                                   |
| Double ply, ½" " . . . . .            |                                    | "                            | 2 3                         |                                   |
| Triple ply, ¾" " . . . . .            | "                                  | "                            | 2 6                         |                                   |
| Price                                 |                                    |                              |                             |                                   |
| <b>INSULATING AND<br/>WALL BOARDS</b> | Over<br>50,000<br>sq. ft.          | 15,001-<br>50,000<br>sq. ft. | 5001-<br>15,000<br>sq. ft.  | Up to<br>5000<br>sq. ft.          |
|                                       | Per 100<br>sq. ft.                 | Per 100<br>sq. ft.           | Per 100<br>sq. ft.          | Per 100<br>sq. ft.                |
|                                       | £ s. d.                            | £ s. d.                      | £ s. d.                     | £ s. d.                           |
|                                       | Insulating board home<br>produced: |                              |                             |                                   |
|                                       | Non-bituminous:                    |                              |                             |                                   |
| ¼" . . . . .                          | 0 17 9                             | 0 18 9                       | 0 19 9                      | 1 1 3                             |
| ½" . . . . .                          | 1 1 0                              | 1 2 3                        | 1 3 6                       | 1 5 0                             |
| ¾" . . . . .                          | 1 5 9                              | 1 7 6                        | 1 9 3                       | 1 11 0                            |
| 1" . . . . .                          | 2 3 9                              | 2 5 9                        | 2 7 9                       | 2 9 9                             |
| Bituminous:                           |                                    |                              |                             |                                   |
| ¼" . . . . .                          | 1 9 9                              | 1 11 9                       | 1 13 6                      | 1 15 9                            |
| ½" . . . . .                          | 1 18 0                             | 2 0 6                        | 2 3 0                       | 2 5 6                             |
| Imported:                             |                                    |                              |                             |                                   |
| ¼" . . . . .                          | 1 11 6                             | 1 13 9                       | 1 16 0                      | 1 17 6                            |
| ½" . . . . .                          | 2 14 3                             | 2 15 9                       | 2 17 3                      | 2 19 6                            |
|                                       | Unit                               | Over<br>5000<br>ft. super.   | 2501-<br>5000<br>ft. super. | 1 bundle<br>to 2500<br>ft. super. |
| ¼" laminated wall board:              | 100 ft.<br>super                   | £ s. d.                      | £ s. d.                     | 1 s. d.                           |
| Home produced . . . . .               |                                    | 0 16 9                       | 0 17 9                      | 0 18 9                            |
| Imported . . . . .                    | "                                  | 1 0 9                        | 1 2 0                       | 1 3 0                             |

For plaster boards, see "Plasterer".

N.B.—Home-produced boards are subject to additional carriage charge.

*Carpenter and Joiner*

| Material                                | Unit      | 2 tons and over   | 1-2 tons          | Under 1 ton |
|---|-----------|-------------------|-------------------|-------------|
| <b>ASBESTOS CEMENT SHEETING</b>         |           |                   |                   |             |
| Asbestos cement flat sheets to B.S.690: |           |                   |                   |             |
| $\frac{1}{2}$ " thick .....             | Yd. super | 1 9               | 1 10              | 2 0         |
| $\frac{3}{4}$ " " .....                 | "         | 2 6               | 2 7 $\frac{1}{2}$ | 2 10        |
| " " .....                               | "         | 4 0               | 4 3               | 4 8         |
| " " .....                               | "         | 6 11              | 7 3               | 7 11        |
| Flexible compressed asbestos sheets:    |           |                   |                   |             |
| $\frac{1}{2}$ " thick . . . . .         | "         | 2 4 $\frac{1}{2}$ | —                 | —           |

|   | Size of load                       | Unit        | Price          |
|---|------------------------------------|-------------|----------------|
| <b>INSULATING SHEETING</b>  |                                    |             |                |
| Bitumen-bonded " Fibreglass ", 1" thick   |                                    |             |                |
|   | Quantities of £5 and over ex-works | Yd. super   | £ s. d.<br>1 4 |
| <b>SUNDRIES</b>   |                                    |             |                |
| $\frac{1}{2}$ " insulation board cover strip 1 $\frac{1}{2}$ " wide:                |                                    |             |                |
| Square edges .....  |                                    | 100 ft. run | 10 9           |
| Bevel or oval edges .....   |                                    | "           | 11 6           |
| $\frac{1}{2}$ " hardboard cover strip 1 $\frac{1}{2}$ " wide:                       |                                    |             |                |
| Square edges .....  |                                    | "           | 15 3           |
| Bevel edges .....   |                                    | "           | 16 6           |
| Joint filler .....  | 5 lbs.                             | lb.         | 0 4            |
| 12 or 14 S.W.G. sheradized nails, 1 $\frac{1}{4}$ " or 1 $\frac{1}{2}$ " long ..... | Cwt.                               | Cwt.        | 3 15 3         |

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| Material  |       | Size of load | Unit   | Without glazing bars                        | With lay bars | With vertical and horizontal bars |
|---|-------|--------------|--------|---|---------------|-----------------------------------|
|   |       |              |        |   |               |                                   |
| <b>STANDARD CASEMENT WINDOWS AND DOORS</b>              |       |              |        |   |               |                                   |
| Standard softwood casement windows to B.S. 644, Part I: |       |              |        |   |               |                                   |
| 1' 6"   | 2' 6" | CA.1         | INV.26 | One light with night vent.                  | 19 5          | 24 6                              |
| 2' 3"   | 2' 6" | CC.1         | 1P.26  | One light, side hung.                       | 22 8          | 25 3                              |
| 2' 3"   | 2' 6" | CE.1         | 1V.26  | One light with night vent.                  | 20 7          | 44 2                              |
| 4' 1"   | 2' 6" | CG.1         | 2V.26  | Two light, one side hung, one night vent.   | 38 1          | 56 11                             |
| 6' 0"   | 2' 6" | CL.1         | 3P.26  | Three light, two side hung.                 | 47 6          | 54 5                              |
| 1' 6"   | 4' 0" | CA.3         | INV.40 | One light with night vent.                  | 21 4          | 27 1                              |
| 2' 3"   | 4' 0" | CC.3         | 1P.40  | One light, side hung.                       | 26 4          | 29 10                             |
| 2' 3"   | 4' 0" | CE.3         | 1V.40  | One light with night vent.                  | 23 3          | 29 6                              |
| 4' 1"   | 4' 0" | CG.3         | 2V.40  | Two light, one side hung, one night vent.   | 42 9          | 51 4                              |
| 6' 0"   | 4' 0" | CK.3         | 3V.40  | Three light, two side hung, one night vent. | 62 3          | 72 6                              |
| 7' 0"   | 4' 0" | CM.3         | 4V.40  | Four light, two side hung, two night vents. | 80 9          | 97 8                              |
|   |       |              |        | No.   |               |                                   |

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**STANDARD CASEMENT WINDOWS AND DOORS—  
*continued***

| Material   | Size of load | Unit    | Width of window     |                     |                     |                     |                     |
|--|--------------|---------|---------------------|---------------------|---------------------|---------------------|---------------------|
|  |              |         | 1' 6"               | 2' 3"               | 4' 1"               | 6' 0"               | 7' 10"              |
| Hardwood sub-sill .  |              | No.     | <i>s. d.</i><br>1 0 | <i>s. d.</i><br>1 6 | <i>s. d.</i><br>2 9 | <i>s. d.</i><br>4 0 | <i>s. d.</i><br>5 3 |
| Bay angle couplings, including tongues, cover moulds, screws ..... |              | Ft. run | <i>s. d.</i><br>1 0 |                     |                     |                     |                     |
| Easy-clean hinges per opening side-hung light.....                 |              | Pr.     | 1 3                 |                     |                     |                     |                     |

**STANDARD DOUBLE-HUNG SASHES WITH CASED AND SOLID FRAMES**

Softwood double-hung sashes with cased frames to BS.644, Part 2:

| Description     | Size of load | Unit | Weight-balanced type |        |                      |                      |
|-----------------|--------------|------|----------------------|--------|----------------------|----------------------|
|                 |              |      | Nominal size         |        | With glazing bars    | Without glazing bars |
|                 |              |      | Width                | Height |                      |                      |
| One light ...   |              | No.  | 1' 6"                | 3' 9"  | <i>s. d.</i><br>59 3 | <i>s. d.</i><br>57 3 |
| " ...           |              | "    | 2' 3"                | 3' 9"  | 66 3                 | 64 0                 |
| " ...           |              | "    | 3' 0"                | 3' 9"  | 73 4                 | 71 0                 |
| " ...           |              | "    | 3' 9"                | 3' 9"  | 80 6                 | 77 9                 |
| Two light ...   |              | "    | 5' 7½"               | 3' 9"  | 97 6                 | 94 3                 |
| Three light ... |              | "    | 5' 3"                | 3' 9"  | 94 3                 | 91 0                 |
| " ...           |              | "    | 6' 0"                | 3' 9"  | 101 3                | 98 0                 |
| One light ...   |              | "    | 1' 6"                | 4' 9"  | 63 0                 | 60 9                 |
| " ...           |              | "    | 2' 3"                | 4' 9"  | 71 8                 | 69 3                 |
| " ...           |              | "    | 3' 0"                | 4' 9"  | 81 0                 | 78 2                 |
| " ...           |              | "    | 3' 9"                | 4' 9"  | 89 6                 | 86 6                 |
| Two light ...   |              | "    | 5' 7½"               | 4' 9"  | 112 0                | 108 4                |
| Three light ... |              | "    | 5' 3"                | 4' 9"  | 107 6                | 104 0                |
| " ...           |              | "    | 6' 0"                | 4' 9"  | 116 3                | 112 4                |
| One light ...   |              | "    | 1' 6"                | 5' 9"  | 66 8                 | 64 6                 |
| " ...           |              | "    | 2' 3"                | 5' 9"  | 77 6                 | 75 0                 |
| " ...           |              | "    | 3' 0"                | 5' 9"  | 88 4                 | 85 6                 |
| " ...           |              | "    | 3' 9"                | 5' 9"  | 99 3                 | 95 9                 |
| Two light ...   |              | "    | 5' 7½"               | 5' 9"  | 125 9                | 121 8                |
| Three light ... |              | "    | 5' 3"                | 5' 9"  | 120 6                | 116 6                |
| " ...           |              | "    | 6' 0"                | 5' 9"  | 131 3                | 127 0                |

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| Description   | Size of load | Unit     | Thick-ness | Size             |                  |                  |                  |              |
|---|--------------|----------|------------|------------------|------------------|------------------|------------------|--------------|
|   |              |          |            | 2' 0" x<br>6' 6" | 2' 3" x<br>6' 6" | 2' 6" x<br>6' 6" | 2' 9" x<br>6' 6" | All<br>sizes |
| <b>STOCK PANELLLED DOORS AND FLUSH DOORS</b>                |              |          |            | <i>s. d.</i>     | <i>s. d.</i>     | <i>s. d.</i>     | <i>s. d.</i>     | <i>s. d.</i> |
| Standard stock pattern doors to B.S.459, Part 1:            | 12-49 doors  | No.      | 1½"        | 33 3             | 34 9             | 36 3             | 38 3             | —            |
| Type 4 (four panelled)                                      | "            | "        | 2"         | —                | —                | 39 9             | 41 3             | —            |
| Type 2XG (two panelled, upper panel prepared for glazing)   | "            | "        | "          | —                | —                | 44 0             | 46 6             | —            |
| Type 3XG (three panelled, upper panel prepared for glazing) | "            | "        | "          | —                | —                | 46 6             | 50 0             | —            |
| Type 4XG (four panelled, upper panel prepared for glazing)  | "            | "        | "          | —                | —                | 43 0             | 45 3             | —            |
| Type 2XHG (two panelled, upper panel prepared for glazing)  | "            | "        | 1½" (fin.) | 59 0             | 59 9             | 60 9             | 62 0             | —            |
| Standard flush doors:                                       |              |          |            |                  |                  |                  |                  |              |
| Internal pattern.....                                       |              |          |            |                  |                  |                  |                  | 2 8          |
| <i>Extra for:</i>   |              |          |            |                  |                  |                  |                  | 4 4          |
| Concealing long edges with softwood strips:                 |              | Per door |            |                  |                  |                  |                  | 8 6          |
| One edge.....   |              | "        |            |                  |                  |                  |                  | 8 6          |
| Two edges.....  |              | "        |            |                  |                  |                  |                  | 13 6         |
| 12" square opening for glazing.....                         |              | "        |            |                  |                  |                  |                  | 2 8          |
| 12" x 15" diamond opening for glazing.....                  |              | "        |            |                  |                  |                  |                  | 1 0          |
| 9" circular opening for glazing.....                        |              | "        |            |                  |                  |                  |                  | 0 3          |
| Priming one coat.....                                       |              | "        |            |                  |                  |                  |                  |              |
| Morticing for lock.....                                     |              | "        |            |                  |                  |                  |                  |              |
| Recessing for hinges.....                                   |              | "        |            |                  |                  |                  |                  |              |



*Carpenter and Joiner***STORAGE CUPBOARDS**

The following in Storage Cupboards to B.S.1195:

| Width                           | Depth | Height | Type     | Unit | Cup-board fitting | Nest of drawers | Combined cup-board and nest of drawers |
|---------------------------------|-------|--------|----------|------|-------------------|-----------------|--|
|                                 |       |        |          |      | £ s d.            | £ s d.          | £ s d.                                 |
| 1' 9"                           | 1' 7" | 2' 8"  | 1a       | No.  | 4 1 7             | 7 12 9          | —                                      |
| 3' 6"                           | 1' 7" | 2' 8"  | 2/1a     | "    | 7 13 3            | —               | 9 10 8                                 |
| 1' 9"                           | 1' 0" | 2' 8"  | 1b       | "    | 3 17 5            | —               | —                                      |
| 3' 6"                           | 1' 0" | 2' 8"  | 2/1b     | "    | 7 1 11            | —               | —                                      |
| 1' 9"                           | 1' 7" | 3' 10" | 2a       | "    | 6 4 11            | —               | —                                      |
| 1' 9"                           | 1' 0" | 3' 10" | 2b       | "    | 5 16 8            | —               | —                                      |
| 1' 9"                           | 1' 7" | 6' 6"  | 3a       | "    | 9 1 11            | —               | —                                      |
|                                 |       |        | (Brooms) |      |                   |                 |  |
| 1' 9"                           | 1' 0" | 6' 6"  | 3b       | "    | 8 7 11            | —               | —                                      |
| 1' 9"                           | 1' 0" | 2' 3"  | 4b       | "    | 3 12 9            | —               | —                                      |
| 3' 6"                           | 1' 0" | 2' 3"  | 2/4b     | "    | 7 3 7             | —               | —                                      |
| 1' 9"                           | 1' 7" | 1' 2"  | 5a       | "    | 2 15 0            | —               | —                                      |
| 1' 9"                           | 1' 0" | 1' 2"  | 5b       | "    | 2 9 5             | —               | —                                      |
| 3' 6"                           | 1' 0" | 1' 2"  | 2/5b     | "    | 4 5 8             | —               | —                                      |
| 1' 9"                           | 1' 7" | 1' 8"  | 6a       | "    | 3 2 0             | —               | —                                      |
| 1' 9"                           | 1' 0" | 1' 8"  | 6b       | "    | 2 15 8            | —               | —                                      |
| 3' 6"                           | 1' 0" | 1' 8"  | 2/6b     | "    | 4 14 0            | —               | —                                      |
| Description                     |       |        |          |      |                   | Unit            | s. d.                                  |
| <b>Hardwood work top:</b>       |       |        |          |      |                   |                 |  |
| 1" × 21" × 21" .....            |       |        |          |      |                   | No.             | 8 0                                    |
| 1" × 36" × 21" .....            |       |        |          |      |                   | "               | 15 9                                   |
| <b>False top or bottom for:</b> |       |        |          |      |                   |                 |  |
| Unit 1' 9" wide .....           |       |        |          |      |                   | "               | 2 9                                    |
| Unit 3' 6" wide .....           |       |        |          |      |                   | "               | 5 4½                                   |
| <b>3" plinth for:</b>           |       |        |          |      |                   |                 |  |
| Single unit .....               |       |        |          |      |                   | "               | 4 6                                    |
| Double unit .....               |       |        |          |      |                   | "               | 8 9                                    |

**Carpenter and Joiner**

**SOFTWOOD JOINERY TO DETAIL**

| Material  | Unit        | Sectional area |               |               |       |       |
|---|-------------|----------------|---------------|---------------|-------|-------|
|   |             | Up to 3"       | 3" to 6"      | Over 6"       |       |       |
| <b>SKIRTINGS</b>  |             |                |               |               |       |       |
| Skirtings with splayed or moulded top edge, per inch in sectional area .....  | 100 ft. run | s. d.<br>16 8  | s. d.<br>14 7 | s. d.<br>12 6 |       |       |
| Thickness   |             |                |               |               |       |       |
|   |             | 1½"            | 2"            |               |       |       |
|   |             | s. d.          | s. d.         |               |       |       |
| <b>FANLIGHTS AND CASEMENT SASHES</b>  |             |                |               |               |       |       |
| Moulded fanlight in one square, rebated for glass .....   | Ft. super.  | 2 0            | 2 3           |               |       |       |
| As above, divided into small squares .....  | "           | 2 3            | 2 6           |               |       |       |
| Labour, bottom hanging sash ...   | No.         | 1 6            | 1 6           |               |       |       |
| Labour, centre hanging sash ...   | "           | 2 6            | 2 6           |               |       |       |
| Rebated and moulded sash in one square, rebated for glass .....   | Ft. super.  | 2 0            | 2 3           |               |       |       |
| As above, divided into small squares .....  | "           | 2 3            | 2 6           |               |       |       |
| Labour, side-hanging sash ...   | No.         | 1 6            | 1 6           |               |       |       |
| Labour, centre-hanging sash ...   | "           | 2 6            | 2 6           |               |       |       |
| <b>DOUBLE HUNG FRAMES AND SASHES</b>  |             |                |               |               |       |       |
|   |             | Unit           | Price         |               |       |       |
|   |             |                | s. d.         |               |       |       |
| Cased frames with 6" x 3" OAK sunk, weathered, and throated sill, 1" grooved inside and outside linings, 1½" heads, 1½" pulley stiles, parting bead, ½" parting slips and back linings all rebated and tongued together and 2" moulded sashes in squares, double hung ..... |             | Ft. super.     | 5 9           |               |       |       |
| Cased frame as last but with cased mullion .....  |             | "              | 6 0           |               |       |       |
| Extra for moulded horns to sashes .....   |             | No.            | 0 6           |               |       |       |
| Thickness   |             |                |               |               |       |       |
|   |             | Unit           | 1½"           | 1½"           | 2"    | 2½"   |
|   |             |                | s. d.         | s. d.         | s. d. | s. d. |
| <b>PURPOSE - MADE DOORS</b>   |             |                |               |               |       |       |
| <i>The following prices apply to single doors, doors hung folding or swinging.</i>  |             |                |               |               |       |       |
| Ledged and braced doors covered with ½" tongued and grooved and V-jointed one side boarding .....   |             | Ft. super.     | —             | —             | —     | —     |



*Carpenter and Joiner*SOFTWOOD JOINERY TO DETAIL—*continued*

| Material  | Unit       | Thickness    |              |              |              |
|---|------------|--------------|--------------|--------------|--------------|
|   |            | 1½"          | 1¾"          | 2"           | 2½"          |
|   |            | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| <b>PURPOSE - MADE DOORS—<i>continued</i></b>  |            |              |              |              |              |
| Framed, ledged, and braced doors filled in with 1" tongued and grooved and V-jointed one side boarding  | Ft. super  | 3 0          | 3 9          | 3 9          | 4 6          |
| Four-panel door, square both sides  | "          | 3 0          | 3 9          | 3 9          | 4 6          |
| <i>As above</i> but moulded one side and square the other   | "          | 3 6          | 4 3          | 4 3          | 5 0          |
| <i>As above</i> but moulded both sides  | "          | 4 0          | 4 9          | 4 9          | 5 6          |
| <i>As above</i> but bead butt one side and square the other   | "          | 3 6          | 4 3          | 4 3          | 5 0          |
| Three-panel door, the two lower panels bead butt one side and flush the other, the upper panel with diminished stiles, open, rebated and moulded for glass and divided into nine squares with 1½" × 2" rebated and moulded glazing bars | "          | 3 9          | 4 5          | 4 5          | 5 2          |
| Four-panel door, bolection moulded both sides   | "          | 4 9          | 5 6          | 5 6          | 6 3          |
| Two-panel door, the panels flush framed both sides  | "          | 3 9          | 4 9          | 4 9          | 5 6          |
|   |            | 2"           |              | 2½"          |              |
|   |            | <i>s. d.</i> |              | <i>s. d.</i> |              |
| Labour, rebating and beading meeting stile  | Ft. run    | 0 3          |              | 0 3          |              |
| Labour, rounding heel or stile  | "          | 0 3          |              | 0 3          |              |
| Labour, hollow grooving to frame  | "          | 0 3          |              | 0 3          |              |
|   |            | 1"           |              | 1½"          |              |
|   |            | <i>s. d.</i> |              | <i>s. d.</i> |              |
| Square-framed panelling, six panels high  | Ft. super. | 3 6          |              | 4 0          |              |
| <i>Add to the above for</i>   |            |              |              |              |              |
| Mouldings planted on  | "          | 0 6          |              | 0 6          |              |
| Mouldings worked on solid   | "          | 0 3          |              | 0 3          |              |
| Dado, not over 3' 0" high.  | "          | 3 6          |              | 4 0          |              |
| Tongued external angle  | Ft. run    | 0 4          |              | 0 4          |              |

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**SOFTWOOD JOINERY TO DETAIL—continued**

| Material   | Unit       | Thickness          |                  |                    |
|--|------------|--------------------|------------------|--------------------|
|  |            | 1½"                | 1½"              | 2"                 |
| <b>FRAMED PARTITIONS</b>   |            |                    |                  |                    |
| Square framed panelling wrought both sides in framed partition .....               | Ft. super. | s. d. 3 9          | s. d. 4 3        | s. d. 4 9          |
| <i>Add to the above for:</i>   |            |                    |                  |                    |
| Mouldings planted on .....   | "          | 0 6                | 0 6              | 0 7½               |
| Mouldings worked on solid .....  | "          | 0 3                | 0 3              | 0 4                |
| Partition not over 3' 0" high .....  | "          | 3 9                | 4 3              | 4 9                |
| Sectional area   |            |                    |                  |                    |
| <b>WINDOW AND DOOR LININGS AND FRAMES</b>  |            |                    |                  |                    |
| Window and door linings, etc., per inch in sectional area ..                       | Ft. run    | Up to 6" s. d. 0 2 | 6"-12" s. d. 0 2 | Over 12" s. d. 0 2 |
| Extra for cross-tongueing .....  | "          | 0 0½               | 0 0½             | 0 0½               |
| Frames wrought all round and framed, per inch in sectional area .....              | "          | 0 2½               | 0 2½             | 0 2½               |
| Mullions, transomes, and sills, per inch in sectional area ..                      | "          | 0 3                | 0 2½             | 0 2½               |
| Thickness  |            |                    |                  |                    |
| <b>WINDOW BOARDS</b>   |            |                    |                  |                    |
| 6" window boards with rounded nosing tongued at back ..                            | "          | 1" s. d. 0 9       | 1½" s. d. 0 11   | 1½" s. d. 1 1      |
| <i>Extra for:</i>  |            |                    |                  |                    |
| Each additional 3" in width ..   | "          | 0 4½               | 0 5½             | 0 6½               |
| Cross-tongueing .....  | "          | 0 4                | 0 4              | 0 4½               |
| <b>SKY AND LANTERN LIGHTS</b>  |            |                    |                  |                    |
| Framed skylight or lantern light top with chamfered and rebated glazing bars ..... | Ft. super. | Unit s. d. 2 0     | Unit s. d. 2 3   |                    |
| <i>As above in irregular shapes (measured net) ..</i>                              | "          | 3 0                | 3 4              |                    |
| s. d.  |            |                    |                  |                    |
| 1" wrought softwood cross-tongued linings, tongued at angles .....                 | "          | 1 9                |                  |                    |
| Labour, beaded edge .....  | Ft. run    | 0 1½               |                  |                    |
| Labour to condensation groove .....  | "          | 0 1                |                  |                    |
| Labour, throat .....   | "          | 0 1                |                  |                    |
| 2" x 9" kerb .....   | "          | 2 3                |                  |                    |
| Dovetailed angle to kerb .....   | No.        | 3 6                |                  |                    |

*Carpenter and Joiner***SOFTWOOD JOINERY TO DETAIL—continued**

| Material  | Unit          | Price                    |                 |                   |                   |
|---|---------------|--------------------------|-----------------|-------------------|-------------------|
|   |               | <i>s.</i>                | <i>d.</i>       |                   |                   |
| <b>PIPE AND BEAM CASING</b>   |               |                          |                 |                   |                   |
| $\frac{3}{4}$ " boxed pipe-casing, 6" girth.....                                  | Ft. run       | 0                        | 10              |                   |                   |
| <i>Add to above for:</i>  |               |                          |                 |                   |                   |
| Each additional 3" in girth .....   | "             | 0                        | 5               |                   |                   |
| Cross-tonguing .....  | "             | 0                        | 4               |                   |                   |
| Tongued and beaded external angle.....  | "             | 0                        | 4               |                   |                   |
|   | Ft.           |                          |                 |                   |                   |
| Cross-tongued beam casing .....   | super.        | 2                        | 0               |                   |                   |
| Labour to tongued angle, including groove. . .                                    | Ft. run       | 0                        | 4               |                   |                   |
| <b>SUNDRY LABOURS</b>   |               |                          |                 |                   |                   |
| Labour, rebating . . . . .  | "             | 0                        | 1 $\frac{1}{2}$ |                   |                   |
| Labour, rounding edge . . . . .   | "             | 0                        | 1 $\frac{1}{2}$ |                   |                   |
| Labour, rounding edge across grain . . . . .                                      | "             | 0                        | 2               |                   |                   |
| Labour, housing . . . . .   | "             | 0                        | 3               |                   |                   |
| Labour, housing across grain . . . . .  | "             | 0                        | 4               |                   |                   |
| Labour, tonguing and grooving angle . . . . .                                     | "             | —                        | —               |                   |                   |
| Labour, grooving .....  | "             | —                        | —               |                   |                   |
| <b>FILLETS, MOULDINGS, AND BEARERS, ETC.</b>                                      |               |                          |                 |                   |                   |
| Small mouldings, beads, etc. . . . .  | "             | 0                        | 2               |                   |                   |
| Glazing beads, mitred and bradded .....   | "             | 0                        | 4               |                   |                   |
| Glazing beads, mitred and fixed with brass screws and cups . . . . .              | "             | 0                        | 6               |                   |                   |
|   |               |                          |                 |                   |                   |
|   | Unit          | Sectional area           |                 |                   |                   |
|   |               | Up to<br>$\frac{2}{2}$ " | 2"-4"           | 4"-6"             | Over<br>6"        |
|   |               | <i>s. d.</i>             | <i>s. d.</i>    | <i>s. d.</i>      | <i>s. d.</i>      |
| Bearers stops and similar fillets,<br><i>per inch in sectional area</i> . . . . . | Ft. run       | 0 2                      | 0 2             | 0 1 $\frac{1}{2}$ | 0 1 $\frac{1}{2}$ |
| Framed legs and bearers, as<br><i>above, per inch in sectional area</i> . . . . . | "             | 0 3                      | 0 3             | 0 2 $\frac{1}{2}$ | 0 2 $\frac{1}{2}$ |
| Mouldings and architraves, etc.,<br><i>per inch in sectional area</i> . . . . .   | "             | 0 2                      | 0 2             | 0 1 $\frac{1}{2}$ | 0 1 $\frac{1}{2}$ |
|   |               | Thickness                |                 |                   |                   |
|   |               | $\frac{3}{4}$ "          | 1"              | 1 $\frac{1}{2}$ " |                   |
|   |               | <i>s. d.</i>             | <i>s. d.</i>    | <i>s. d.</i>      |                   |
| <b>SHELVING</b>   |               |                          |                 |                   |                   |
| Slat shelving of 2" battens, spaced<br>1" apart (supplied loose).....             | Ft.<br>super. | 1 2                      | 1 6             | 2 0               |                   |
| 9" shelving .....   | Ft. run       | 1 2                      | 1 6             | 2 0               |                   |
|   | Ft.           |                          |                 |                   |                   |
| Shelving .....  | super.        | 1 6                      | 2 0             | 2 6               |                   |
| Cross-tongued shelving .....  | "             | 1 10                     | 2 4             | 2 10              |                   |
| Labour, ship lap-joint .....  | Ft. run       | 0 4                      | 0 5             | 0 6               |                   |

*Carpenter and Joiner*

**SOFTWOOD JOINERY TO DETAIL—continued**

| Material   | Unit       | Thickness               |           |                          |
|--|------------|-------------------------|-----------|--------------------------|
|  |            | 1"                      | 1½"       | 1¾"                      |
| <b>CUPBOARD FRONTS</b>   |            |                         |           |                          |
| Division or end . . . . .  | Ft. super. | s. d. 2 0               | s. d. 2 9 | s. d. 3 6                |
| Division or end, cross-tongued . . . . .   | "          | 2 6                     | 3 3       | 4 0                      |
| Square-framed front and end . . . . .  | "          | 2 6                     | 3 0       | 3 6                      |
| <i>Extra for forming 2' 0" × 6' 0" square-framed door in cupboard front . . . . .</i>                      | No.        | 7 6                     | 7 6       | 7 6                      |
| <i>As above but panelled and moulded one side and square framed the other . . . . .</i>                    | "          | 3 0                     | 3 6       | 4 0                      |
| <b>PURPOSE MADE CUPBOARD FITTINGS</b>  |            |                         |           |                          |
|  |            | ¾"                      |           | 1"                       |
|  |            | s. d.                   | s. d.     |                          |
| Tongued and grooved and V-jointed one side boarding as back planted on . . . . .                           | Ft. super. | 2 6                     | 3 0       |                          |
| Cross-tongued top . . . . .  | "          | 2 6                     | 3 0       |                          |
| Cross-tongued shelf or bottom . . . . .  | "          | 2 6                     | 3 0       |                          |
| Cross-tongued division . . . . .   | "          | 2 6                     | 3 0       |                          |
|  |            | 1¼"                     |           | 1½"                      |
| Panelled and moulded one side cupboard front . . . . .   | "          | 4 0                     | 4 6       |                          |
| Flush ditto . . . . .  | "          | 4 6                     | 5 0       |                          |
| One-panel door, square both sides . . . . .  | "          | 3 6                     | 4 0       |                          |
| Flush ditto . . . . .  | "          | 4 0                     | 4 6       |                          |
| ¾" × 1½" stop screwed on . . . . .   | Ft. run    | 0 4                     | 0 4       |                          |
| 1" × 2" bearers in short lengths screwed on including ends . . . . .                                       | "          | 0 6                     | 0 6       |                          |
|  |            | 1" treads and ¾" risers |           | 1½" treads and 1" risers |
|  |            | s. d.                   |           | s. d.                    |
| Treads with rounded nosings and risers, properly tongued together, glued, blocked and bracketted . . . . . | Ft. super. | 2 4                     |           | 2 11                     |
| Cross-tongued winders with rounded nosings and risers as above (measured net) . . . . .                    | "          | 3 6                     |           | 4 5                      |
|  |            | 1" thick                |           | 1½" thick                |
|  |            | s. d.                   |           | s. d.                    |
| Cross-tongued landings . . . . .   | "          | 2 0                     |           | 2 6                      |
| Nosing, 3" . . . . .   | Ft. run    | 0 9                     |           | 1 0                      |

*Carpenter and Joiner*SOFTWOOD JOINERY TO DETAIL—*continued*

| Material  | Unit    | Thickness     |               |              |
|---|---------|---------------|---------------|--------------|
|   |         | 1½"           | 1½"           | 2"           |
| <b>STAIRCASES—<i>continued</i></b>  |         |               |               |              |
| Rounded or chamfered wall string .....  | Ft. run | s. d.<br>2 4  | s. d.<br>2 8  | s. d.<br>3 6 |
| As above, ramped .....  | "       | 4 8           | 5 4           | 7 0          |
| <i>Extra for:</i>   |         |               |               |              |
| Fitted ends .....   | No      | 1 0           | 1 3           | 1 6          |
| End framed to newel .....   | "       | 1 6           | 2 0           | 2 6          |
| Short ramp .....  | "       | 3 6           | 4 0           | 5 0          |
| Tongued heading joint .....   | "       | 1 6           | 2 0           | 2 6          |
| Tongued joint of raking to straight .....                                     | "       | 1 0           | 1 3           | 1 6          |
| Rounded outer string .....  | Ft. run | 2 5           | 2 11          | 3 10         |
| Extra for end framed to newel   | No      | 1 6           | 2 0           | 2 6          |
| <hr/>   |         |               |               |              |
| 9" Apron lining   | Ft. run | ¾"            |               | 1"           |
|   |         | s. d.<br>1 4  | s. d.<br>1 9  |              |
| <hr/>   |         |               |               |              |
| Square-framed newel .....   | No.     | 3" × 3"       |               | 4" × 4"      |
|   |         | s. d.<br>1 10 | s. d.<br>3 2  |              |
| Rounded top .....   | "       | 1 6           | 2 0           |              |
| Extra for rounded and mitred cap or pendant .....                             | "       | 3 6           | 5 0           |              |
| <hr/>   |         |               |               |              |
| Square balusters .....  | Ft. run | 1" × 1"       |               | 1½" × 1½"    |
|   |         | s. d.<br>0 3  | s. d.<br>0 4½ |              |
| <hr/>   |         |               |               |              |
| Ends of risers housed and wedged to strings .....                             | No      | 1"            |               | 1½"          |
|   |         | s. d.<br>0 6  | s. d.<br>0 9  |              |
| Ends of treads and risers housed and wedged to strings .....                  | "       | 1 0           | 1 6           |              |
| Ends of winders and risers housed and wedged:                                 |         |               |               |              |
| Wide ends to strings .....  | "       | 1 6           | 2 0           |              |
| Narrow ends to newels .....   | "       | 0 6           | 0 9           |              |
| Extra for bullnosed end to tread with glued, blocked and veneered riser ..... | "       | 7 6           | 10 0          |              |
| <hr/>   |         |               |               |              |
| Rounded handrail .....  | Ft. run | 1½" × 2"      | 2½" × 3"      | 3" × 4"      |
|   |         | s. d.<br>0 10 | s. d.<br>1 8  | s. d.<br>2 7 |
| Rounded handrail, ramped .....  | "       | 2 0           | 4 0           | 6 0          |
| Moulded handrail .....  | "       | 1 0           | 2 0           | 3 0          |
| Moulded handrail, ramped .....  | "       | 2 6           | 4 6           | 7 0          |
| Add to above for sinking to receive iron core-rail .....                      | "       | 0 3           | 0 3           | 0 4          |
| Mitres .....  | No.     | 1 0           | 1 6           | 2 0          |
| Framed ends to newels .....   | "       | 1 0           | 1 6           | 2 0          |
| Framed ends to newels on rake .....   | "       | 1 3           | 1 9           | 2 3          |
| Heading joint at junction of level raking and ramped .....                    | "       | 3 0           | 4 9           | 7 6          |

*Carpenter and Joiner*

**HARDWOOD JOINERY TO DETAIL**

| Material  | Unit        | First quality English oak |           |              |           |           |           |
|---|-------------|---------------------------|-----------|--------------|-----------|-----------|-----------|
|   |             | Sectional area            |           |              |           |           |           |
|   |             | Up to 3"                  | 3"-6"     | Over 6"      |           |           |           |
|   |             | <i>s.</i>                 | <i>d.</i> | <i>s.</i>    | <i>d.</i> | <i>s.</i> | <i>d.</i> |
| <b>SKIRTINGS</b>  |             |                           |           |              |           |           |           |
| Skirtings with splayed or moulded top edge, <i>per inch in sectional area</i> . . . . .   | 100 ft. run | 33                        | 4         | 26           | 8         | 25        | 0         |
|   |             | First quality English oak |           |              |           |           |           |
|   |             | Thickness                 |           |              |           |           |           |
|   |             | 1½"                       |           | 2"           |           |           |           |
|   |             | <i>s.</i>                 | <i>d.</i> | <i>s.</i>    | <i>d.</i> |           |           |
| <b>FANLIGHTS AND CASEMENT SASHES</b>  |             |                           |           |              |           |           |           |
| Moulded fanlight in one square, rebated for glass . . . . .   | Ft. super.  | 4                         | 9         | 5            | 7         |           |           |
| As above divided into small squares . . . . .   | "           | 6                         | 5         | 7            | 7         |           |           |
| Rebated and moulded sash in one square, rebated for glass . . . . .   | "           | 4                         | 5         | 5            | 4         |           |           |
| As above divided into small squares . . . . .   | "           | 6                         | 0         | 7            | 1         |           |           |
|   |             | First quality English oak |           | Teak         |           |           |           |
|   |             | Thickness                 |           | Thickness    |           |           |           |
|   |             | 2"                        | 2½"       | 2"           | 2½"       |           |           |
|   |             | <i>s.</i>                 | <i>d.</i> | <i>s.</i>    | <i>d.</i> |           |           |
| <b>DOORS</b>  |             |                           |           |              |           |           |           |
| <i>The following prices apply to single doors, doors hung folding or swinging.</i>  |             |                           |           |              |           |           |           |
| Two-panelled door, panels flush framed both sides . . . . .   | "           | 24                        | 5         | 25           | 5         | 29        | 6 31 0    |
| Four-panelled door, moulded both sides . . . . .  | "           | 21                        | 6         | 22           | 6         | 26        | 6 28 0    |
| Four-panelled door, bolection moulded both sides . . . . .  | "           | 25                        | 11        | 26           | 9         | 31        | 3 32 9    |
| Door with 17" cross-tongued bottom rail, 8" top and middle rails, 6" stiles, each leaf in five panels 1" thick, raised fielded and mitred one side and moulded on solid both sides. . . . . | "           | 28                        | 0         | 29           | 0         | 33        | 6 35 0    |
|   |             | <i>s. d.</i>              |           | <i>s. d.</i> |           |           |           |
| 1" x 2" rebated and moulded weather fillet housed to bottom rail of door, including groove, bedded in white lead and screwed on, the heads of the screws let in and pelleted. . . . .       | Ft. run     | 1                         | 9         | 2            | 1         |           |           |

*Carpenter and Joiner***HARDWOOD JOINERY TO DETAIL—continued**

| Material   | Unit       | First quality English oak |      | Teak         |       |      |      |
|--|------------|---------------------------|------|--------------|-------|------|------|
|  |            | 2"                        | 2½"  | 2"           | 2½"   |      |      |
| <b>LABOURS ON DOORS</b>  |            |                           |      |              |       |      |      |
| Labour, rebating and beading meeting stile . . . . .                     | Ft. run    | 0 7                       | 0 7  | 0 7          | 0 7   |      |      |
| Labour, rounding heel or stile . .                                       | "          | 0 5                       | 0 5  | 0 6          | 0 6   |      |      |
| Labour, hollow grooving to frame   | "          | s. d.<br>0 5              |      | s. d.<br>0 5 |       |      |      |
|  |            | First quality English oak |      | Iroko        |       |      |      |
|  |            | 1"                        | 1½"  | 1"           | 1½"   |      |      |
| <b>PANELLING</b>   |            |                           |      |              |       |      |      |
| Square-framed panelling, six panels high . . . . .                       | Ft. super. | 12 2                      | 12 9 | 12 2         | 12 9  |      |      |
| <i>Add to the above for</i>  |            |                           |      |              |       |      |      |
| Mouldings planted on . . . . .   | "          | 3 9                       | 3 9  | 3 9          | 3 9   |      |      |
| Mouldings worked on solid  | "          | 1 0                       | 1 0  | 1 0          | 1 0   |      |      |
| Dado, not over 3' 0" high . .  | "          | 2 6                       | 2 6  | 2 6          | 2 6   |      |      |
| Tongued external angle . . . . .   | Ft. run    | 0 8                       | 0 8  | 0 8          | 0 8   |      |      |
|  | Unit       | First quality English oak |      |              | Iroko |      |      |
|  |            | 1½"                       | 1½"  | 2'           | 1½"   | 2"   |      |
| <b>FRAMED PARTITIONS</b>   |            |                           |      |              |       |      |      |
| Square-framed panelling wrought both sides in framed partition . . . . . | Ft. super. | 12 9                      | 13 3 | 14 2         | 12 9  | 13 3 | 14 2 |
| <i>Add to the above for:</i>   |            |                           |      |              |       |      |      |
| Mouldings planted on . . . . .   | "          | 7 0                       | 7 0  | 7 0          | 7 0   | 7 0  | 7 0  |
| Mouldings worked on solid . . . . .                                      | "          | 2 0                       | 2 0  | 2 0          | 2 0   | 2 0  | 2 0  |
| Partition, not over 3' 0" high . . . . .                                 | "          | 2 6                       | 2 6  | 2 6          | 2 6   | 2 6  | 2 6  |
| Upper panels framed with diminished stiles for glass . . . . .           | "          | 0 9                       | 0 9  | 0 9          | 0 9   | 0 9  | 0 9  |

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**HARDWOOD JOINERY TO DETAIL—continued**

| Material   | Unit       | First quality English oak |        |          | Iroko                     |        |          |
|--|------------|---------------------------|--------|----------|---------------------------|--------|----------|
|  |            | Sectional area            |        |          | Sectional area            |        |          |
|  |            | Up to 6"                  | 6"-12" | Over 12" | Up to 6"                  | 6"-12" | Over 12" |
|  |            | s. d.                     | s. d.  | s. d.    | s. d.                     | s. d.  | s. d.    |
| <b>WINDOW AND DOOR LININGS</b>   |            |                           |        |          |                           |        |          |
| Window and door linings, etc., per inch in sectional area . . . . .      | Ft. run    | 0 5½                      | 0 4    | 0 5½     | 0 5½                      | 0 4    | 0 5½     |
| Extra for cross-tonguing . . . . .                                       | "          | 0 0½                      | 0 0½   | 0 0½     | 0 0½                      | 0 0½   | 0 0½     |
| Frames wrought all round and framed per inch in sectional area . . . . . | "          | 0 5½                      | 0 4½   | 0 4      | 0 5½                      | 0 4½   | 0 4      |
| Mullions, transoms and sills, per inch in sectional area . . . . .       | "          | 0 6½                      | 0 5½   | 0 4½     | 0 6½                      | 0 5½   | 0 4½     |
|  |            | Thickness                 |        |          | Thickness                 |        |          |
|  |            | 1"                        | 1½"    | 1½"      | 1"                        | 1½"    | 1½"      |
|  |            | s. d.                     | s. d.  | s. d.    | s. d.                     | s. d.  | s. d.    |
| <b>WINDOW BOARDS</b>   |            |                           |        |          |                           |        |          |
| 6" Window boards with rounded nosing tongued at back . . . . .           | Ft. run    | 2 1                       | 2 4½   | 2 8½     | 2 1                       | 2 4½   | 2 8½     |
| Extra for:   |            |                           |        |          |                           |        |          |
| Each additional 3" in width . . . . .                                    | "          | 0 6½                      | 0 7    | 0 7½     | 0 6½                      | 0 7    | 0 7½     |
| Cross-tonguing . . . . .   | "          | 0 10½                     | 1 0    | 1 2      | 0 10½                     | 1 0    | 1 2      |
|  |            | Unit                      |        |          | First quality English oak |        |          |
|  |            |                           |        |          |                           |        | s. d.    |
| <b>PIPE AND BEAM CASINGS</b>   |            |                           |        |          |                           |        |          |
| ¾" boxed pipe-casing, 6" girth . . . . .                                 | Ft. run    |                           |        |          |                           |        | 2 9      |
| Add to the above for:  |            |                           |        |          |                           |        |          |
| Each additional 3" in girth . . . . .                                    | "          |                           |        |          |                           |        | 1 0      |
| Cross-tonguing . . . . .   | "          |                           |        |          |                           |        | 1 0      |
| Tongued and beaded external angle . . . . .                              | "          |                           |        |          |                           |        | 0 8      |
|  | Ft. super. |                           |        |          |                           |        | 5 6      |
| Cross-tongued beam casing . . . . .                                      |            |                           |        |          |                           |        |          |
| Labour to tongued angle, including groove . . . . .                      | Ft. run    |                           |        |          |                           |        | 0 8      |



**Carpenter and Joiner****HARDWOOD JOINERY TO DETAIL—continued**

| Material  | Unit       | First quality English oak |              |              |              |
|---|------------|---------------------------|--------------|--------------|--------------|
|   |            | <i>s. d.</i>              |              |              |              |
| <b>SUNDRY LABOURS</b>   |            |                           |              |              |              |
| Labour, rebating  | Ft. run    | 0                         | 1½           |              |              |
| Labour, rounding edge   | "          | 0                         | 1½           |              |              |
| Labour, rounding edge across grain                            | "          | 0                         | 5            |              |              |
| Labour, housing   | "          | 0                         | 4            |              |              |
| Labour, housing across grain                                  | "          | 0                         | 6            |              |              |
| <b>FILLETS, MOULDINGS AND BEARERS, ETC.</b>                   |            |                           |              |              |              |
| Small mouldings, beads, etc.                                  | "          | 0                         | 9            |              |              |
| Glazing beads, mitred and bradded                             | "          | 0                         | 8            |              |              |
| Glazing beads, mitred and fixed with brass screws and cups    | "          | 0                         | 10           |              |              |
|   |            | -----                     |              |              |              |
|   | Unit       | First quality English oak |              |              |              |
|   |            | -----                     |              |              |              |
|   |            | Sectional area            |              |              |              |
|   |            | -----                     |              |              |              |
|   |            | Up to                     | 2"-4"        | 4"-6"        | Over         |
|   |            | 2"                        |              |              | 6"           |
|   |            | <i>s. d.</i>              | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
|   |            | -----                     |              |              |              |
| Bearers stops and similar fillets, per inch in sectional area | Ft. run    | 0 4½                      | 0 4          | 0 4          | 0 4          |
| Framed legs and bearers, as above, per inch in sectional area | "          | 0 6                       | 0 6          | 0 6          | 0 6          |
| Mouldings and architraves, etc., per inch in sectional area   | "          | 0 4½                      | 0 4          | 0 4          | 0 4          |
|   |            | -----                     |              |              |              |
|   |            | Thickness                 |              |              |              |
|   |            | -----                     |              |              |              |
|   |            | ¾"                        | 1"           | 1½"          |              |
|   |            | <i>s. d.</i>              | <i>s. d.</i> | <i>s. d.</i> |              |
|   |            | -----                     |              |              |              |
| <b>SHELVING</b>   |            |                           |              |              |              |
| Slat shelving of 2" battens spaced 1" apart (supplied loose)  | Ft. super. | 3 1½                      | 3 9          | 4 4½         |              |
| 9" shelving   | Ft. run    | 2 3                       | 2 10         | 3 5          |              |
|   | Ft. super. |                           |              |              |              |
| Shelving  | super.     | 2 10                      | 3 8          | 4 5          |              |
| Cross-tongued shelving  | "          | 3 9                       | 4 7          | 5 4          |              |
| Labour, ship lap-joint  | Ft. run    | 2 6                       | 2 6          | 2 6          |              |

*Carpenter and Joiner*

**HARDWOOD JOINERY TO DETAIL—continued**

| Material   | Unit       | First quality English oak |                          |                         |                          |
|--|------------|---------------------------|--------------------------|-------------------------|--------------------------|
|  |            | Thickness                 |                          |                         |                          |
|  |            | 1"                        | 1½"                      | 1½"                     |                          |
| <b>CUPBOARD FRONTS</b>   |            | <i>s. d.</i>              | <i>s. d.</i>             | <i>s. d.</i>            |                          |
| Division or end . . . . .  | Ft. super. | 4 0                       | 4 9                      | 5 6                     |                          |
| Division or end cross-tongued . .  | "          | 4 11                      | 5 8                      | 6 5                     |                          |
| Square-framed front and end<br><i>Extra for forming 2' 0" x 6' 0"</i><br><i>square-framed door in cup-</i><br><i>board front . . . . .</i> | "          | 5 7                       | 6 0                      | 6 11                    |                          |
| <i>As above but panelled and</i><br><i>moulded one side and square</i><br><i>framed the other . . . . .</i>                                | No.        | —                         | —                        | —                       |                          |
| <b>PURPOSE MADE CUP-BOARD FITTINGS</b>   |            | ¾"                        |                          | 1"                      |                          |
|  |            | <i>s. d.</i>              | <i>s. d.</i>             |                         |                          |
| Tongued and grooved and V-<br>jointed one side, boarding as<br>back planted on . . . . .   | Ft. super. | 4 0                       | 4 10½                    |                         |                          |
| Cross-tongued top . . . . .  | "          | 4 1                       | 4 11                     |                         |                          |
| Cross-tongued shelf or bottom . .  | "          | 4 1                       | 4 11                     |                         |                          |
| Cross-tongued division . . . . .   | "          | 4 1                       | 4 11                     |                         |                          |
|  |            | 1½"                       |                          | 1½"                     |                          |
|  |            | <i>s. d.</i>              | <i>s. d.</i>             |                         |                          |
| Panelled and moulded one side<br>cupboard front . . . . .  | "          | 6 6                       | 7 5                      |                         |                          |
| Flush ditto . . . . .  | "          | 13 6                      | 14 8                     |                         |                          |
| One-panel door, square both sides  | "          | 6 0                       | 6 11                     |                         |                          |
| Flush ditto . . . . .  | "          | 13 6                      | 14 8                     |                         |                          |
| ½" - 1½" stop screwed on . . . . .   | Ft run     | <i>s. d.</i><br>0 7½      |                          |                         |                          |
|  |            | First quality English oak |                          | Teak                    |                          |
|  |            | 1" treads and ¾" risers   | 1½" treads and 1" risers | 1" treads and ¾" risers | 1½" treads and 1" risers |
| <b>STAIRCASES</b>  |            | <i>s. d.</i>              | <i>s. d.</i>             | <i>s. d.</i>            | <i>s. d.</i>             |
| Treads with rounded nosings<br>and risers properly tongued<br>together, glued, blocked, and<br>bracketted . . . . .                        | Ft. super. | 9 3                       | 10 1                     | 11 1                    | 12 6                     |
| Cross-tongued winders with<br>rounded nosings and risers, <i>as</i><br><i>above</i> (measured net) . . . . .                               | "          | 10 9½                     | 11 9                     | 12 11                   | 14 7                     |

*Carpenter and Joiner***HARDWOOD JOINERY TO DETAIL—continued**

| Material                        | Unit       | First quality English oak |           | Teak     |           |
|---------------------------------|------------|---------------------------|-----------|----------|-----------|
|                                 |            | 1" thick                  | 1½" thick | 1" thick | 1½" thick |
| <b>STAIRCASES—continued</b>     |            |                           |           |          |           |
| Cross-tongued landing . . . . . | Ft. super. | 4 11                      | 5 8       | 6 11     | 8 2       |
| Nosing, 3" . . . . .            | Ft run     | 1 4                       | 1 6½      | 1 10     | 2 2       |

|   | Unit    | First quality English oak |        |         | Teak    |      |      |
|---|---------|---------------------------|--------|---------|---------|------|------|
|   |         | 1½"                       | 1½"    | 2"      | 1½"     | 1½"  | 2"   |
|   |         | s d                       | s d    | s d     | s d     | s d  | s d  |
| Rounded or chamfered wall string . . . . .    | Ft. run | 5 5 6                     | 2 7 11 | 7 9 9   | 0 11 10 |      |      |
| As above, ramped . . . . .                    | "       | 9 9 11                    | 2 14 3 | 14 3 15 | 10 21 2 |      |      |
| <i>Extra for:</i>                             |         |                           |        |         |         |      |      |
| Fitted ends . . . . .                         | No.     | 5 3                       | 5 3    | 6 0     | 5 3     | 5 3  | 6 0  |
| End framed to newel . . . . .                 | "       | 5 3                       | 5 3    | 6 0     | 5 3     | 5 3  | 6 0  |
| Short ramp . . . . .                          | "       | 16 3                      | 18 6   | 24 0    | 24 0    | 27 0 | 36 0 |
| Tongued heading joint . . . . .               | "       | —                         | —      | —       | —       | —    | —    |
| Tongued joint of raking to straight . . . . . | "       | —                         | —      | —       | —       | —    | —    |
| Rounded outer string . . . . .                | Ft. run | 5 11                      | 6 8    | 8 5     | 8 5     | 9 8  | 12 6 |
| <i>Extra for:</i>                             |         |                           |        |         |         |      |      |
| End framed to newel . . . . .                 | No.     | 5 3                       | 5 3    | 6 0     | 5 3     | 5 3  | 6 0  |

|  | Unit    | First quality English oak |         | Teak  |         |
|--|---------|---------------------------|---------|-------|---------|
|  |         | ½"                        | 1"      | ½"    | 1"      |
| 9" Apron lining . . . . .                                    | Ft. run | 2 11                      | 3 6     | 4 2   | 5 0     |
|  |         | 3"×3"                     | 4"×4"   | 3"×3" | 4"×4"   |
| Square-framed newel . . . . .                                | No.     | 3 2                       | 5 3     | 5 3   | —       |
| Rounded top . . . . .  | "       | —                         | —       | —     | —       |
| <i>Extra for rounded and mitred cap or pendant . . . . .</i> |         | 4 2                       | 4 2     | 4 2   | 4 2     |
|  |         | 1"×1"                     | 1½"×1½" | 1"×1" | 1½"×1½" |
| Square balusters . . . . .                                   | Ft. run | 0 4½                      | 0 6     | 0 7   | 0 9½    |

*Carpenter and Joiner*

**HARDWOOD JOINERY TO DETAIL—*continued***

| Material   | Unit | First quality English oak |      | Teak |      |
|--|------|---------------------------|------|------|------|
|  |      | 1"                        | 1½"  | 1"   | 1½"  |
| <b>STAIRCASES—<i>continued</i></b>   |      |                           |      |      |      |
| Ends of risers housed and wedged to strings . . . . .                              | No   | 2 0                       | 2 0  | 2 0  | 2 0  |
| Ends of treads and risers housed and wedged to strings . . . . .                   | "    | 3 9                       | 3 9  | 3 9  | 3 9  |
| Ends of winders and risers housed and wedged                                       | "    | 5 7                       | 5 7  | 5 7  | 5 7  |
| Wide ends to strings . . . . .   | "    | 3 9                       | 3 9  | 3 9  | 3 9  |
| Narrow ends to newels . . . . .  | "    | 3 9                       | 3 9  | 3 9  | 3 9  |
| Extra for bullnosed end to tread with glued, blocked, and veneered riser . . . . . | "    | 37 6                      | 40 0 | 37 6 | 40 0 |

|  | Unit    | First quality English oak |          |         | Mahogany |          |         |
|--|---------|---------------------------|----------|---------|----------|----------|---------|
|  |         | 1½" × 2"                  | 2½" × 3" | 3" × 4" | 1½" × 2" | 2½" × 3" | 3" × 4" |
|  |         | s. d.                     | s. d.    | s. d.   | s. d.    | s. d.    | s. d.   |
| Rounded handrail . . . . .                                     | Ft. run | 1 7                       | 2 6      | 4 2     | 1 5      | 2 2      | 3 2     |
| Rounded handrail, ramped . . . . .                             | "       | 4 9                       | 7 6      | 12 6    | 4 6      | 5 8      | 9 0     |
| Moulded handrail . . . . .                                     | "       | 2 1                       | 3 0      | 4 8     | 1 9      | 2 8      | 3 10    |
| Moulded handrail, ramped . . . . .                             | "       | 6 3                       | 9 0      | 14 0    | 5 3      | 6 11     | 10 4    |
| Add to above for sinking to receive iron core-rail . . . . .   | "       | 0 2                       | 0 2½     | 0 3     | 0 2      | 0 2      | 0 3     |
| Framed ends to newel . . . . .                                 | "       | 1 3                       | 1 5      | 1 8     | 0 10     | 1 2      | 1 5     |
| Framed ends to newel on rake . . . . .                         | "       | 2 6                       | 2 10     | 3 4     | 2 6      | 3 0      | 4 0     |
| Heading joint at junction of level raking and ramped . . . . . | "       | 5 0                       | 5 0      | 5 0     | 4 6      | 6 0      | 6 6     |

**Carpenter and Joiner**

| Material  | Size of load | Unit | 1' x 15 |       | 1 1/2' x 13 |    | 2' x 12 |       | 2 1/2' x 10 |       | 3' x 9  |    | 4' x 7 |    |
|---|--------------|------|---------|-------|-------------|----|---------|-------|-------------|-------|---------|----|--------|----|
|   |              |      | s.      | d.    | s.          | d. | s.      | d.    | s.          | d.    | s.      | d. | s.     | d. |
| <b>NAILS</b>  |              |      |         |       |             |    |         |       |             |       |         |    |        |    |
| Round wire nails to B.S.1202, Part 1 (a) (i):                       |              |      |         |       |             |    |         |       |             |       |         |    |        |    |
| Bright finish.....  | Cwt.         |      | 47      | 0     | 38          | 8  | 37      | 8     | 36          | 5     | 35      | 5  | 33     | 1  |
| Galvanized finish.....  | "            |      | 82      | 2     | 68          | 3  | 66      | 6     | 60          | 11    | 58      | 11 | —      |    |
| Lost-head round wire nails to B.S.1202, Part 1 (a) (ii):            |              |      |         |       |             |    |         |       |             |       |         |    |        |    |
| Bright finish.....  | "            |      | 47      | 0     | 38          | 8  | 37      | 8     | 36          | 5     | 35      | 5  | 33     | 1  |
|   |              |      | 3' x 14 |       | 3' x 11     |    | 1' x 11 |       | 1 1/2' x 10 |       | 2' x 9  |    |        |    |
|   |              |      | s.      | d.    | s.          | d. | s.      | d.    | s.          | d.    | s.      | d. | s.     | d. |
| Round wire clout felt or slate nails to B.S.1202, Part 1 (a) (iii): |              |      |         |       |             |    |         |       |             |       |         |    |        |    |
| Bright finish.....  | "            |      | 49      | 4     | 45          | 9  | 45      | 9     | 45          | 3     | 44      | 3  |        |    |
| Galvanized finish.....  | "            |      | 81      | 11    | 71          | 4  | 71      | 4     | 69          | 10    | 67      | 9  |        |    |
|   |              |      | 3' x 18 |       | 3' x 17     |    | 1' x 16 |       | 1 1/2' x 15 |       | 2' x 14 |    |        |    |
|   |              |      | s.      | d.    | s.          | d. | s.      | d.    | s.          | d.    | s.      | d. | s.     | d. |
| Panel-pins to B.S.1202, Part 1 (a) (vii).....                       | 14 lb.       | Lb.  | 0       | 7 1/2 | 0           | 7  | 0       | 6 1/2 | 0           | 6 1/2 | 0       | 6  | 0      | 6  |



## IRONMONGER

Note.—In order to avoid raising unnecessary queries with suppliers attention is drawn to the fact that all prices are based on rates ruling November 1948.

N.B.—Prices for ironmongery include necessary screws to match.

| Material                       | Size of load | Unit | Size |       |       |       |       |
|--------------------------------|--------------|------|------|-------|-------|-------|-------|
|                                |              |      | 2"   | 2½"   | 3"    | 3½"   | 4"    |
|                                |              |      | s d. | s. d. | s. d. | s. d. | s. d. |
| <b>BUTTS AND HINGES</b>        |              |      |      |       |       |       |       |
| Hinges to BS.1227:             |              |      |      |       |       |       |       |
| Steel butt:                    |              | Pair |      |       |       |       |       |
| Medium (Fig. 3) .....          |              | "    | 0 3½ | 0 6½  | 0 6½  | 0 8½  | 1 0   |
| Heavy (Fig. 1) .....           |              | "    | 0 5½ | 0 6½  | 0 10½ | 1 0½  | 1 4½  |
| Steel skew butt (Fig. 4) ..... |              | "    | —    | —     | 2 5½  | 2 11½ | 3 11  |
| Brass, solid drawn:            |              |      |      |       |       |       |       |
| Sanded brass finish:           |              |      |      |       |       |       |       |
| Narrow (Fig. 5) .....          |              | "    | 1 3½ | 1 8   | 2 3½  | —     | —     |
| Broad (Fig. 6) .....           |              | "    | 1 4½ | 1 11  | 2 8½  | 3 7   | 6 3½  |
| Strong (Fig. 7) .....          |              | "    | 1 9  | 2 4½  | 3 8   | 5 2   | 7 4   |
| Bronze finish:                 |              |      |      |       |       |       |       |
| Narrow .....                   |              | "    | 1 7½ | 2 1   | 2 10  | —     | —     |
| Broad .....                    |              | "    | 1 9  | 2 5   | 3 4½  | 4 5½  | 7 10½ |
| Strong .....                   |              | "    | 2 2½ | 2 11½ | 4 7   | 6 6   | 9 2   |
| Chromium-plated finish:        |              |      |      |       |       |       |       |
| Narrow .....                   |              | "    | 2 1½ | 2 8   | 3 7½  | —     | —     |
| Broad .....                    |              | "    | 2 2½ | 3 1   | 4 4   | 5 8½  | 10 1½ |
| Strong .....                   |              | "    | 2 9½ | 3 9½  | 5 10½ | 8 3½  | 11 9  |

*Ironmonger*

| Material  | Size of load | Unit | Size         |              |              |              |              |  |
|---|--------------|------|--------------|--------------|--------------|--------------|--------------|--|
|   |              |      | 2"           | 2½"          | 3"           | 3½"          | 4"           |  |
| <b>BUTTS AND HINGES—continued</b>   |              |      |              |              |              |              |              |  |
| Hinges to BS.1227 :— <i>continued</i>   |              |      |              |              |              |              |              |  |
| Cast-iron:  |              |      |              |              |              |              |              |  |
| Butt (Fig. 8).....  |              | Pair | 0 8          | 0 10½        | 1 1½         | 1 4½         | 1 9          |  |
| Loose or lift-off butt (Fig. 10).....   |              | "    | 0 9½         | 1 0½         | 1 4½         | 1 9½         | 2 4½         |  |
| Skew butt (Figs. 11 and 12).....  |              | "    | 1 11½        | 2 2½         | 2 8          | 3 3½         | 4 0          |  |
|   |              |      | 12"          | 16"          | 18"          | 20"          | 24"          |  |
|   |              |      | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |  |
| Light mild steel hook and band hinge (Fig. 14),<br>finish:                            |              |      |              |              |              |              |              |  |
| Self-colour.....  |              | "    | 1 11         | 3 0½         | 3 4          | 3 8          | 4 5½         |  |
| Galvanized.....   |              | "    | 3 6          | 5 7          | 6 2½         | 7 1          | 8 7          |  |
|   |              |      | 18"          | 24"          | 30"          | 36"          | 42"          |  |
|   |              |      | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |  |
| Heavy mild steel hook and band hinge with<br>folded eye (straight) (Fig. 15), finish: |              |      |              |              |              |              |              |  |
| Self-colour.....  |              | "    | 4 8½         | 8 7          | 10 5         | 15 9         | 17 4         |  |
| Galvanized.....   |              | "    | 7 4          | 13 4½        | 16 3         | 24 5         | 26 9         |  |



## Ironmonger

| Material                            | Size of load | Unit | Size   |       |       |       |       |       |    |    |    |    |
|-------------------------------------|--------------|------|--------|-------|-------|-------|-------|-------|----|----|----|----|
|                                     |              |      | 6"     | 10"   | 12"   | 16"   | 18"   | 3"    | 4" | 5" | 6" | 7" |
| <b>BUTTS AND HINGES—continued</b>   |              |      |        |       |       |       |       |       |    |    |    |    |
| Japanese steel tee hinge (Fig. 18): |              |      |        |       |       |       |       |       |    |    |    |    |
| Medium .....                        |              | Pair | 0 10   | 1 1½  | 1 4½  | 2 2½  | 2 7½  | 2 7½  |    |    |    |    |
| Heavy .....                         |              | "    | 0 11   | 1 4½  | 1 10  | 2 7½  | 3 2½  | 3 2½  |    |    |    |    |
|                                     |              |      | 3"     | 4"    | 5"    | 6"    | 7"    |       |    |    |    |    |
|                                     |              |      | s. d.  | s. d. | s. d. | s. d. | s. d. | s. d. |    |    |    |    |
| Single-action spring hinge:         |              |      |        |       |       |       |       |       |    |    |    |    |
| Japanned steel .....                |              | "    | 10 6   | 12 7  | 14 8  | 18 1  | 23 1  | 23 1  |    |    |    |    |
| Brass plated on steel .....         |              | "    | 13 11½ | 17 1  | 20 6  | 25 2½ | 32 6  | 32 6  |    |    |    |    |
| Polished brass .....                |              | "    | 34 1   | 41 6  | 51 6  | 63 0  | 79 3  | 79 3  |    |    |    |    |
| Double-action spring hinge:         |              |      |        |       |       |       |       |       |    |    |    |    |
| Japanned steel .....                |              | "    | 15 9   | 18 7  | 22 0  | 26 9  | 34 1  | 34 1  |    |    |    |    |
| Brass plated on steel .....         |              | "    | 20 9   | 25 2  | 28 10 | 37 10 | 47 3  | 47 3  |    |    |    |    |
| Polished brass .....                |              | "    | 55 5   | 62 6  | 75 7  | 94 6  | 119 9 | 119 9 |    |    |    |    |
|                                     |              |      | 1½"    | 2"    | 2½"   | 3"    | 5½"   |       |    |    |    |    |
|                                     |              |      | s. d.  | s. d. | s. d. | s. d. | s. d. | s. d. |    |    |    |    |
| Parliament hinge:                   |              |      |        |       |       |       |       |       |    |    |    |    |
| Cast-iron .....                     |              | "    | 1 10   | 2 1½  | 2 7½  | 3 5   | 4 8½  | —     |    |    |    |    |
| Brass .....                         |              | "    | —      | 13 8  | 16 9  | 22 0  | —     | —     |    |    |    |    |

**Ironmonger**

| Material   | Size of load | Unit    | Price              |                      |                     |
|--|--------------|---------|--------------------|----------------------|---------------------|
|  |              |         | For doors weighing |                      |                     |
|  |              |         | 4-6 cwt.           | 10-35 cwt.           |                     |
|  |              |         | <i>s. d.</i>       | <i>s. d.</i>         |                     |
| <b>SLIDING DOOR TRACKS</b>                       |              |         |                    |                      |                     |
| Wheel tracks, tubular japanned steel .....       |              | Ft. run | 4 9                | 6 2                  |                     |
| Side wall brackets:                              |              |         |                    |                      |                     |
| Single .....                                     |              | No.     | 1 4                | 1 8                  |                     |
| Double .....                                     |              | "       | 22 0               | 26 0                 |                     |
| Vertical hangers .....                           |              | "       | 21 0               | 25 0                 |                     |
| Bottom guide, with anchors, rolled steel .....   |              | Ft. run | 1 6                | 2 0                  |                     |
| Under guide rollers .....                        |              | No.     | 1 1                | 1 1                  |                     |
| Detachable locking bar and padlock .....         |              | "       | 18 6               | 18 6                 |                     |
|  |              |         | Light doors        | Medium doors         | Heavy doors         |
| <b>DOOR SPRINGS</b>                              |              |         |                    | 12"                  | 12½"                |
| Coil door spring, japanned                       |              | "       | —                  | <i>s. d.</i><br>3 10 | <i>s. d.</i><br>6 4 |
|  |              |         |                    | 5"                   | 8"                  |
|  |              |         |                    | <i>s. d.</i>         | <i>s. d.</i>        |
| Regulating door spring, japanned iron .....      |              | "       | —                  | 9 4                  | 19 3                |
| Overhead door spring and check—gold-bronze ..... |              | "       | 49 6               | 51 8                 | 72 7                |
| Floor-spring and top centres, double-action:     |              |         |                    |                      |                     |
| Brass .....                                      |              | "       | 87 5               | —                    | —                   |
| Double check action ..                           |              | "       | 140 3              | —                    | —                   |
| Chromium-plated .....                            |              | "       | 105 1              | —                    | —                   |
| Double check action ..                           |              | "       | 160 1              | —                    | —                   |

**Ironmonger**

| Material  | Size of load | Unit | Price        |              |              |              |
|---|--------------|------|--------------|--------------|--------------|--------------|
|   |              |      | 4"           | 6"           | 12"          |              |
| <b>BOLTS</b>  |              |      |              |              |              |              |
| Bolts to B.S.1228:  |              |      |              |              |              |              |
| Tower bolt, japanned iron (Fig. 1) .....                    |              | No.  | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |              |
| Strapped tower bolt, japanned iron (Fig. 2).                |              | ..   | 1 0          | 1 3½         | 2 4½         |              |
|   |              |      | 2 1½         | 2 9½         | 5 9½         |              |
|   |              |      | 3"           | 6"           | 8"           | 10"          |
| Barrel bolt, necked (Fig. 3):                               |              |      | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| Brass .....   |              | ..   | 1 6          | 2 11½        | —            | —            |
| Chromium-plated .....                                       |              | ..   | 2 5          | 4 9½         | —            | —            |
| Barrel bolt (Fig. 4), brass                                 |              | ..   | 1 5½         | 2 2½         | 3 5          | 4 7½         |
|   |              |      | 4"           | 6"           | 12"          |              |
| Socket bolt, japanned (Fig. 5) .....                        |              | ..   | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |              |
|   |              |      | 0 11         | 1 1½         | 1 10½        |              |
|   |              |      | 3"           | 3½"          | 4"           |              |
| Cabinet bolt, japanned (Fig. 6) .....                       |              | ..   | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |              |
| Cupboard bolt, japanned (Fig. 7) .....                      |              | ..   | 1 2          | 1 3½         | 1 4½         |              |
|   |              |      | 1 1          | 1 3½         | 1 4½         |              |
|   |              |      | 8"           | 10"          | 12"          |              |
| Garage bolt, square spring with curl handle (Fig. 11) ..... |              | ..   | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |              |
|   |              |      | 5 3          | 6 5½         | 7 8½         |              |
|   |              |      | 18"          | 24"          | 30"          |              |
| Garage bolt, monkey-tail, with bow handle .....             |              | ..   | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |              |
| Garage door japanned foot-bolt (Fig. 13) .....              |              | ..   | 8 1½         | 12 1         | 14 6         |              |
| Garage door japanned chain bolt (Fig. 14) .....             |              | ..   | 3 6          |              |              |              |
| 8" flush lever action bolt (Fig. 15), finish:               |              | ..   | 3 6          |              |              |              |
| Brass bronzed .....   |              | ..   | 9 2          |              |              |              |
| Bronze metal antique .....                                  |              | ..   | 10 6         |              |              |              |
| Chromium-plated .....                                       |              | ..   | 13 1½        |              |              |              |
| W.C. indicating bolts, finish:                              |              | ..   | 10 0         |              |              |              |
| Polished brass .....  |              | ..   | 12 7         |              |              |              |
| Chromium-plated .....                                       |              | ..   |              |              |              |              |
| Automatic panic bolts, japanned iron:                       |              | ..   |              |              |              |              |
| Single door .....   |              | ..   | 47 3         |              |              |              |
| Double door .....   |              | ..   | 59 10        |              |              |              |
| With lock:  |              | ..   |              |              |              |              |
| Single door .....   |              | ..   | 105 0        |              |              |              |
| Double door .....   |              | ..   | 117 7        |              |              |              |

**Ironmonger**

| Material  | Size of load | Unit | Price        |
|---|--------------|------|--------------|
|   |              |      | <i>s. d.</i> |
| <b>LOCKS AND LATCHES</b>  |              |      |              |
| Norfolk latch, black japanned iron:                                   |              | No.  |              |
| Good quality .....  |              |      | 3 8          |
| Medium quality .....  |              | "    | 2 7½         |
| Light quality .....   |              | "    | 1 11         |
| Cupboard locks, two-lever, brass, straight:                           |              |      |              |
| 2" .....  |              | "    | 3 8          |
| 2½" .....   |              | "    | 3 8          |
| 3" .....  |              | "    | 3 8          |
| Latches to B.S.455:   |              |      |              |
| Cylinder-rim night latch, japanned case, finish:                      |              |      |              |
| Bronze metal antique .....  |              | "    | 9 5          |
| Chromium-plated .....   |              | "    | 11 0         |
| Mortice latch .....   |              | "    | 4 9          |
| Rim latch, good quality, with slide bolt .....                        |              | "    | 2 7½         |
| Mortice lock, two-lever, in strong case, with brass bolts and bushes: |              |      |              |
| Horizontal .....  |              | "    | 9 5          |
| Vertical .....  |              | "    | 9 8          |
| " rebated .....   |              | "    | 22 0         |
| Mortice dead-lock, two-lever, in strong case, with brass bolt .....   |              | "    | 7 10½        |
| Rim lock, two-lever, in strong case, with brass bolt:                 |              |      |              |
| Horizontal .....  |              | "    | 6 6½         |
| " in narrow case .....  |              | "    | 6 6½         |
| Vertical in narrow case .....   |              | "    | 7 10½        |
| Mortice bolt to B.S.1228 (Fig. 16).                                   |              |      |              |
| Polished brass .....  |              | "    | 6 0          |
| Chromium-plated .....   |              | "    | 8 1½         |
| Lock sets for vertical mortice locks:                                 |              |      |              |
| Bakelite .....  |              | "    | 4 9          |
| Chromium-plated .....   |              | "    | 12 1         |

*Ironmonger*

| Material                                      | Size of load | Unit | Price               |                 |                 |
|---|--------------|------|---------------------|-----------------|-----------------|
|   |              |      | Rim                 | Mortice         |                 |
|   |              |      | <i>s. d.</i>        | <i>s. d.</i>    | <i>s. d.</i>    |
| <b>LOCKS AND LATCHES</b>                      |              |      |                     |                 |                 |
| <i>—continued</i>                             |              |      |                     |                 |                 |
| Sets of ball furniture:                       |              |      |                     |                 |                 |
| Polished brass . . . . .                      |              | No.  | 10 3                | 10 9            |                 |
| Chromium-plated ..                            |              | "    | 13 1                | 13 8            |                 |
| Cocus wood . . . . .                          |              | "    | 1 11                | 2 4             |                 |
| Finger-plates:                                |              |      |                     |                 |                 |
| Plain polished brass .                        |              | "    | —                   | —               | 4 2½            |
| Chromium-plated ..                            |              | "    | —                   | —               | 6 0             |
| Cocus wood . . . . .                          |              | "    | —                   | —               | 1 10            |
|   |              |      | Brass               | Chromium-plated |                 |
| <b>SASH FITTINGS</b>                          |              |      |                     |                 |                 |
|   |              |      | <i>s. d.</i>        | <i>s. d.</i>    |                 |
| Sash fasteners . . . . .                      |              | "    | 3 8                 | 5 3             |                 |
| Sash centres . . . . .                        |              | "    | 3 11                | 5 3             |                 |
| Sash lifts . . . . .                          |              | "    | 1 10                | 2 7½            |                 |
| " " flush pattern                             |              | "    | 2 4½                | 3 8             |                 |
| 4" sash screws . . . . .                      |              | "    | 1 10                | 2 10½           |                 |
| 6" sash or bow handles                        |              | "    | 1 10                | 2 10½           |                 |
| Fanlight catches . . . . .                    |              | "    | 3 11                | 5 6             |                 |
| 9" quadrant stays . . . . .                   |              | "    | 4 8½                | 6 8             |                 |
|   |              |      | B.B. malleable iron | Brass           | Chromium plated |
|   |              |      | <i>s. d.</i>        | <i>s. d.</i>    | <i>s. d.</i>    |
| Casement stays and pin:                       |              |      |                     |                 |                 |
| 12", one pin . . . . .                        |              | "    | 1 10                | 7 4             | 10 3            |
| 10", two pins . . . . .                       |              | "    | 1 10                | 7 4             | 10 3            |
| Casement fastener and mortice plate . . . . . |              | "    | 1 0½                | 5 3             | 7 10            |

**Ironmonger**

| Material  | Size of load | Unit | Price                      |                      |                        |
|---|--------------|------|----------------------------|----------------------|------------------------|
|   |              |      | White                      | Chromium plated      |                        |
| <b>SUNDRY IRONMONGERY</b>   |              |      |                            |                      |                        |
| 2" numerals . . . . .   |              | No   | <i>s. d.</i><br>0 8½       | <i>s. d.</i><br>0 9½ |                        |
|   |              |      | <b>B B. malleable iron</b> | <b>Brass</b>         | <b>Chromium plated</b> |
|   |              |      | <i>s. d.</i>               | <i>s. d.</i>         | <i>s. d.</i>           |
| Postal knocker and handle . . . . .                               |              | ..   | 3 8                        | 12 1                 | 16 3                   |
| 3" centre door knob . . . . .                                     |              | ..   | 6 10                       | 18 10                | 22 0                   |
| Door handle, 15" x 2½" . . . . .                                  |              | ..   | —                          | 25 2                 | 32 6                   |
| Hat-and-coat hook . . . . .                                       |              | ..   | —                          | 2 7½                 | 3 8                    |
| Cupboard catch . . . . .  |              | ..   | —                          | 3 8                  | 4 8½                   |
| Door chain, 6" . . . . .  |              | ..   | —                          | 5 9                  | 10 0                   |
| Bale's ball catch, 2" x ¼" . . . . .                              |              | ..   | —                          | 1 4½                 | 2 1½                   |
| Shutter knob . . . . .  |              | ..   | —                          | 3 2                  | 4 5½                   |
| Cupboard turns . . . . .  |              | ..   | —                          | 4 2½                 | 5 3                    |
| Drawer pulls . . . . .  |              | ..   | —                          | 0 8½                 | 1 2½                   |
| Flush handles . . . . .   |              | ..   | —                          | 2 4½                 | 3 8                    |
| Flush ring catches . . . . .                                      |              | ..   | —                          | 4 2½                 | 5 6                    |
| Cup hooks . . . . .   |              | ..   | —                          | 0 1½                 | 0 4½                   |
| Medium cabin hooks, 4" . . . . .                                  |              | ..   | 1 10                       | 3 8                  | —                      |
|   |              |      | <b>5" x 4"</b>             | <b>8" x 6"</b>       | <b>10" x 8"</b>        |
|   |              |      | <i>s. d.</i>               | <i>s. d.</i>         | <i>s. d.</i>           |
| Shelf brackets, japanned steel. . . . .                           |              |      | 0 5½                       | 0 8½                 | 0 10½                  |
|   |              |      | <i>s. d.</i>               |                      |                        |
| Dust-bins, galvanized mild steel, to B.S. 792, capacity . . . . . |              |      | —                          |                      |                        |
| 1 cu. ft. . . . .   |              | ..   | —                          |                      |                        |
| 2 cu. ft. . . . .   |              | ..   | —                          |                      |                        |
| 2½ cu. ft. . . . .  |              | ..   | 28 10½                     |                      |                        |
| 3½ cu. ft. . . . .  |              | ..   | 34 8                       |                      |                        |

## STEEL AND IRONWORKER

NOTE.—In order to avoid raising unnecessary queries with suppliers attention is drawn to the fact that all prices are based on rates ruling November 1948.

| Material  | Size of load | Unit                     | Price                    |                          |         |
|---|--------------|--------------------------|--------------------------|--------------------------|---------|
|   |              |                          | £ s. d.                  |                          |         |
| <b>STRUCTURAL STEEL</b>   |              |                          |                          |                          |         |
| <b>JOIST SECTIONS</b>   |              |                          |                          |                          |         |
| Basis price . . . . .   | Over 1 ton   | Ton                      | 17                       | 16                       | 6       |
| <i>Extra for sizes:</i>   |              |                          |                          |                          |         |
| 9" × 7" . . . . .   |              | "                        | 0                        | 5                        | 0       |
| 6" × 3" . . . . .   |              | "                        | 0                        | 7                        | 6       |
| 3½" × 3½", 4" × 4", 5" × 3", 10" × 8",<br>12" × 8", 14" × 8", 16" × 8", 18" × 6",<br>18" × 7", 18" × 8", 20" × 6½" 20" ×<br>7½" . . . . . |              | "                        | 0                        | 10                       | 0       |
| 5" × 2½", 22" × 7" . . . . .  |              | "                        | 0                        | 15                       | 0       |
| 4" × 2½", 4" × 3", 24" × 7½" . . . . .  |              | "                        | 1                        | 0                        | 0       |
| 3" × 3" . . . . .   |              | "                        | 1                        | 5                        | 0       |
| 4½" × 1½" . . . . .   |              | "                        | 1                        | 10                       | 0       |
| 4" × 1½" . . . . .  |              | "                        | 2                        | 10                       | 0       |
| 3" × 1½" . . . . .  |              | "                        | 3                        | 10                       | 0       |
| <b>FLATS</b>  |              |                          |                          |                          |         |
| Basis price . . . . .   | "            | "                        | 17                       | 16                       | 6       |
| <i>Extra for sizes:</i>   |              |                          |                          |                          |         |
| Thickness   |              |                          |                          |                          |         |
| Width   | ½" and over  | Under ½"                 | Under ¾"                 | Under 7/8"               |         |
|   |              | down to and including ⅜" | down to and including ⅝" | down to and including ¾" |         |
|   |              | £ s. d.                  | £ s. d.                  | £ s. d.                  | £ s. d. |
| 8" and over . . . . .   |              | 0 5 0                    | 0 12 6                   | 0 17 6                   | 1 2 6   |
| Under 8"-7" . . . . .   |              | 0 10 0                   | 0 17 6                   | 1 2 6                    | 1 7 6   |
| Under 7"-6" . . . . .   |              | 0 17 6                   | 1 5 0                    | 1 10 0                   | 1 15 0  |
| Under 6" to over 5" . . . . .   |              | 1 5 0                    | 1 12 6                   | 1 17 6                   | 2 2 6   |
|   |              |                          |                          |                          |         |
| Material  | Size of load | Unit                     | Price                    |                          |         |
|   |              |                          | £ s. d.                  |                          |         |
| <b>ROLLED BARS</b>  |              |                          |                          |                          |         |
| Basis price:  | Over 1 ton   | Ton                      | 18                       | 16                       | 6       |
| Rounds, 3"-5½" dia. . . . .   |              | "                        | 18                       | 16                       | 6       |
| Squares, 3"-5½" square . . . . .  |              | "                        | 19                       | 6                        | 6       |
| Hexagons, 3"-5½" across flats . . . . .   |              | "                        |                          |                          |         |
| <i>Extra for sizes:</i>   |              |                          |                          |                          |         |
| Over 5½" up to and including 6½"  |              | "                        | 0                        | 10                       | 0       |
| " 6½" " " " 7" . . . . .  |              | "                        | 1                        | 0                        | 0       |
| " 7½" " " " 8" . . . . .  |              | "                        | 1                        | 10                       | 0       |
| " 8" " " " 9" . . . . .   |              | "                        | 2                        | 10                       | 0       |
| " 9" " " " 10" . . . . .  |              | "                        | 4                        | 0                        | 0       |
| " 10" " " " 13" . . . . .   |              | "                        | 5                        | 0                        | 0       |
| " 10" " " " 13" . . . . .   |              | "                        | 6                        | 0                        | 0       |

**Steel and Ironworker**

| Material   | Size of load | Unit | Price       |
|--|--------------|------|-------------|
|  |              |      | £ s. d.     |
| <b>ROLLED BARS—continued</b>   |              |      |             |
| <i>Extras for lengths:</i>   |              |      |             |
| <i>Long lengths (per foot or fraction of a foot):</i>  |              |      |             |
| Sizes 3" to and including 6", over 30'   |              | Ton  | 0 1 0       |
| Sizes 6 <sup>1</sup> / <sub>2</sub> " to and including 6", over 25'                              |              | "    | 0 1 0       |
| Sizes 7 <sup>1</sup> / <sub>2</sub> " to and including 7 <sup>1</sup> / <sub>2</sub> ", over 22' |              | "    | 0 1 0       |
| 7 <sup>1</sup> / <sub>2</sub> " and over, over 18'   |              | "    | 0 1 0       |
| <i>Short lengths:</i>  |              |      |             |
| Under 5' down to and including 3'  |              | "    | 0 10 0      |
| Under 3' down to and including 2'  |              | "    | 0 15 0      |
|  |              |      | Add per ton |
| <i>Extras for high tensile qualities (applicable to all above sections):</i>                     |              |      | £ s. d.     |
| 29 or 30 tons up to and including 34 or 35 tons per sq. in. with not less than 4-ton limit       |              |      | 0 7 6       |
| 32-36 or 37 tons per sq. in. with not less than a 4-ton limit                                    |              |      | 0 15 0      |
| B.S.S. Class "C," Specification 24, part 4, 32-38 tons.  |              |      | 0 15 0      |
| 33 or 34-38 tons per sq. in. with not less than a 4-ton limit                                    |              |      | 1 5 0       |
| 35-40 tons per sq. in. with not less than a 4-ton limit  |              |      | 1 10 0      |
| 37-43 " " " " " "  |              |      | 1 10 0      |
| 40-45 " " " " " "  |              |      | 2 10 0      |
| Where the tensile limit is narrowed to 2 tons  |              |      | 2 0 0       |
| Where the range of tensile is over 2 and not more than 3 tons                                    |              |      | 1 0 0       |

In addition to the above prices and extras, the following extras are permitted in the case of sales by stockholding merchants out of stocks held by them.

| Material                         | Size of load | Delivered to buyers' works or warehouse in: |                   |                   |
|----------------------------------|--------------|---|-------------------|-------------------|
|                                  |              | England and Wales                           | Scotland          | Northern Ireland  |
| Bars, sections, and heavy plates | Per ton      | £ s. d.<br>2 8 6                            | £ s. d.<br>2 13 6 | £ s. d.<br>2 18 6 |
| Medium plates:                   |              |   |                   |                   |
| Lots of 1 ton and up ..          | "            | 3 4 0                                       | 3 9 0             | 3 14 0            |
| Lots of under 1 ton....          | "            | 4 4 0                                       | 4 9 0             | 4 14 0            |



**Steel and Ironworker**

| Material              | Size of load | Unit | Price   |
|-----------------------|--------------|------|---------|
| <b>CHANNELS</b>       |              |      | £ s d.  |
| Basis price . . . . . | Over 1 ton   | Ton  | 17 16 6 |

*Extras for sizes:*

| Width (of web)  | Thickness (of web) |                                    |                                   |
|---|--------------------|------------------------------------|-----------------------------------|
|   | 1" and over        | Under 1½" down to and including ¾" | Under ¾" down to and including ½" |
|   | £ s. d.            | £ s. d.                            | £ s. d.                           |
| Under 4" and over 3"                                  | 1 15 0             | 2 12 6                             | 3 0 0                             |
| Under 5"-4"   | 1 5 0              | 1 15 0                             | 2 0 0                             |
| Under 6"-5"   | 0 12 6             | 0 17 6                             | 1 2 6                             |
| 6" to and including 12", flange 3" and over . . . . . | 0 5 0              | 0 7 6                              | 0 10 0                            |

Web 6" and over with flanges under 3", per half-inch of flange or part—add 5s. per ton.

| Material              | Size of load | Unit | Price   |
|-----------------------|--------------|------|---------|
| <b>ANGLES</b>         |              |      | £ s d.  |
| Basis price . . . . . | Over 1 ton   | Ton  | 17 16 6 |

*Extras for sizes:*

| United inches (sum of both flanges) | Thickness |                                   |                                   |                                     |  |
|-------------------------------------|-----------|-----------------------------------|-----------------------------------|-------------------------------------|--|
|                                     | ¾" and up | Under ¾" down to and including ½" | Under ½" down to and including ¼" | Under ¼" down to and including 1/8" | Under 1/8" down to and including 1/16" |
|                                     | £ s. d.   | £ s. d.                           | £ s. d.                           | £ s. d.                             | £ s. d.                                |
| 7-12 . . . . .                      | Basis     | 0 5 0                             | 0 10 0                            | 0 15 0                              | 1 5 0                                  |
| Under 7-6 . . . . .                 | 0 12 6    | 0 17 6                            | 1 2 6                             | 1 10 0                              | 2 0 0                                  |
| Under 6-5 . . . . .                 | 1 5 0     | 1 10 0                            | 1 15 0                            | 2 0 0                               | 2 10 0                                 |
| Under 5 to over 4 . . . . .         | 1 15 0    | 2 0 0                             | 2 5 0                             | 2 15 0                              | 3 10 0                                 |

Over 12 united inches, for every inch or part—add 5s. per ton.

*Angles unequal:*

Where the difference in length of flanges exceeds 1" an extra of 5s. per ton in addition to any extra for size.

**Steel and Ironworker**

| Material    | Size of load | Unit | Price   |
|-------------|--------------|------|---------|
| <b>TEES</b> |              |      | £ s. d. |
| Basis price | Over 1 ton   | Ton  | 17 16 6 |

*Extras for sizes:*

| United inches<br>(sum of<br>table and<br>stalk) | Thickness              |  |  |  |  |
|---|------------------------|--|--|--|--|
|   | $\frac{3}{8}$ " and up | Under $\frac{1}{2}$ "<br>down to<br>and in-<br>cluding $\frac{1}{8}$ " | Under $\frac{3}{8}$ "<br>down to<br>and in-<br>cluding $\frac{1}{4}$ " | Under $\frac{1}{2}$ "<br>down to<br>and in-<br>cluding $\frac{3}{8}$ " | Under $\frac{3}{4}$ "<br>down to<br>and in-<br>cluding $\frac{1}{2}$ " |
| 7-12  | £ s d<br>1 0 0         | £ s. d.<br>1 5 0   | £ s d<br>1 10 0  | £ s d<br>1 15 0  | £ s. d.<br>2 5 0   |
| Under 7-6                                       | 1 12 6                 | 1 17 6   | 2 2 6  | 2 10 0   | 3 0 0  |
| Under 6-5                                       | 2 5 0                  | 2 10 0   | 2 15 0   | 3 0 0  | 3 10 0   |
| Under 5 to<br>over 4                            | 2 15 0                 | 3 0 0  | 3 5 0  | 3 15 0   | 4 10 0   |

Over 12 united inches, for every inch or part—add 5s. per ton

| Material   | Size of load | Unit    | Price   |
|--|--------------|---------|---------|
| <b>WROUGHT IRON</b>  |              |         | £ s. d. |
| 2" x $\frac{1}{4}$ " flat bearing bars   |              | Cwt.    | 2 4 0   |
| 2" x $\frac{1}{4}$ " flat caulked and cambered chimney bars  |              | "       | 2 10 0  |
| 2" x 2" x $\frac{1}{4}$ " angle bearing bars cut to lengths  |              | "       | 1 18 0  |
| 1 $\frac{1}{2}$ " x $\frac{1}{4}$ " flat bar rim to mat sinking with forged bent angles, welded joints, and with lugs for building in. |              | Ft. run | 0 1 9   |

**TUBES AND FITTINGS**

See "Plumber".

**PRESSED STEEL DOOR FRAMES AND METAL MOULDINGS**

Pressed steel door frames to B.S.1245, in 16 B.G. mild steel, 6' 6" high:

|                     | No. | Price  |
|---------------------|-----|--------|
| <b>Internal:</b>    |     |        |
| 2' 0" wide          | "   | 1 8 6  |
| 2' 3" "             | "   | 1 8 11 |
| 2' 6" "             | "   | 1 9 4  |
| 2' 9" "             | "   | 1 9 9  |
| <b>External:</b>    |     |        |
| 2' 6" wide          | "   | 1 13 0 |
| Extra for threshold | "   | 0 2 2  |
| 2' 9" wide          | "   | 1 13 6 |
| Extra for threshold | "   | 0 2 5  |
| 3' 0" wide          | "   | —      |
| Garage, 7' 0" wide  | "   | —      |

## PLASTERER

NOTE.—In order to avoid raising unnecessary queries with suppliers attention is drawn to the fact that all prices are based on rates ruling November 1948.

| Material  | Size of load      | Unit                 | Price                  |
|---|-------------------|----------------------|------------------------|
| <b>LATHING</b>  |                   |                      | <i>s. d.</i>           |
| Metal lathing to B.S.1369, type "a" (plain expanded): |                   |                      |                        |
| 26 gauge.....   |                   | Yd. super.           | 1 8½                   |
| 24 ".....   |                   | "                    | 1 9½                   |
| 22 ".....   |                   | "                    | 2 1½                   |
| Sawn plasterers' laths:                               |                   |                      |                        |
|   |                   | Unit                 | U/s                    |
|   |                   | First quality        | Second quality         |
|   |                   | <i>s. d.</i>         | <i>s. d.</i>           |
| 1½" × 1½".....  | Bundle            | 12 9                 | 12 6                   |
| 1½" × 1".....   | "                 | 9 0½                 | 8 9½                   |
| 1½" × 1½".....  | "                 | 7 5½                 | 7 2½                   |
| 1½" × 1".....   | "                 | 7 1                  | 6 10                   |
|   |                   | <i>s. d.</i>         | <i>s. d.</i>           |
|   |                   | 12 8                 | 8 11½†                 |
|   |                   | 7 4½                 | 7 0                    |
| <b>SAND</b>   |                   |                      |                        |
|   | Size of load      | Unit                 | Price                  |
| Sand for plastering, to B.S.1198, Class A.....        |                   | Yd. cube             | £ <i>s. d.</i><br>16 2 |
| Sand for external rendering, etc., to B.S.1199.....   |                   | "                    | 16 4                   |
| <b>LIME, CEMENT, AND PLASTER</b>                      |                   |                      |                        |
| <i>Lime, see "Bricklayer".</i>                        |                   |                      |                        |
| <i>Portland Cement, see "Concretor".</i>              |                   |                      |                        |
| Plaster to B.S.1191, Class A:                         |                   |                      |                        |
| White.....  | 1-4 tons          | Ton                  | 104 9                  |
| Pink.....   | "                 | "                    | 95 3                   |
| C.B. plaster.....                                     | "                 | "                    | 96 3                   |
| Plaster to B.S.1191, Class B:                         |                   |                      |                        |
| Thistle browning plaster.....                         | "                 | "                    | 106 3                  |
| " haired plaster.....                                 | "                 | "                    | 111 3                  |
| " metal lathing plaster.....                          | "                 | "                    | 96 3                   |
| " board finish plaster.....                           | "                 | "                    | 96 3                   |
| Sirapite board finish plaster.....                    | "                 | "                    | 96 3                   |
| Plaster to B.S.1191, Class C:                         |                   |                      |                        |
| Sirapite, coarse.....                                 | "                 | "                    | 96 3                   |
| " fine.....   | "                 | "                    | 104 3                  |
| Keene's cement to B.S.1191, Class D:                  |                   |                      |                        |
| Coarse white.....                                     | "                 | "                    | 169 1                  |
| " pink.....   | "                 | "                    | 155 6                  |
| White Portland cement.....                            | 1 ton and upwards | 1 ton including bags | 234 0                  |
| Cullamix Tyrolean mixture.....                        | "                 | "                    | 155 6<br>to<br>189 0   |

† "Measured Prices" based on this rate.

*Plasterer*

| Material                    | Unit       | 600 and over sq. yds. | 300 to 599 sq. yds. | 150 to 299 sq. yds. | 75 to 149 sq. yds. | Up to 74 sq. yds. |
|-----------------------------|------------|-----------------------|---------------------|---------------------|--------------------|-------------------|
| <b>PLASTER-BOARDS, ETC.</b> |            | <i>s. d.</i>          | <i>s. d.</i>        | <i>s. d.</i>        | <i>s. d.</i>       | <i>s. d.</i>      |
| Plasterboard:               | Yd. super. |                       |                     |                     |                    |                   |
| $\frac{1}{2}$ " .....       |            | 1 9 $\frac{1}{2}$     | 1 11 $\frac{1}{2}$  | 2 1 $\frac{1}{2}$   | 2 3 $\frac{1}{2}$  | 2 5 $\frac{1}{2}$ |
| $\frac{3}{4}$ " .....       | "          | 1 11 $\frac{1}{2}$    | 2 1 $\frac{1}{2}$   | 2 3 $\frac{1}{2}$   | 2 5 $\frac{1}{2}$  | 2 7 $\frac{1}{2}$ |
| $\frac{1}{2}$ " .....       | "          | 2 5 $\frac{1}{2}$     | 2 8 $\frac{1}{2}$   | 2 11 $\frac{1}{2}$  | 3 2 $\frac{1}{2}$  | 3 5 $\frac{1}{2}$ |
|                             |            | 600 and over sq. yds. | 300 to 599 sq. yds. | 150 to 299 sq. yds. | Up to 149 sq. yds. |                   |
| Plaster lath and baseboard: |            | <i>s. d.</i>          | <i>s. d.</i>        | <i>s. d.</i>        | <i>s. d.</i>       |                   |
| $\frac{1}{2}$ " .....       | "          | 1 8 $\frac{1}{2}$     | 1 9 $\frac{1}{2}$   | 1 10 $\frac{1}{2}$  | 2 2 $\frac{1}{2}$  |                   |

|   | Size of load | Unit         | Price        |
|---|--------------|--------------|--------------|
| <b>SUNDRIES</b>                                   |              |              | <i>s. d.</i> |
| Hessian scrim cloth, 3 $\frac{1}{2}$ " wide ..... |              | 100 yd. roll | 5 10         |
| Galvanized flat-headed nails .....                | Cwt.         | Cwt.         | 87 3         |
| Cow hair .....                                    | "            | "            | 84 6         |
| Goat hair .....                                   | "            | "            | 102 6        |

|  | Size of load | Unit       | Price        |              |                                 |                      |
|--|--------------|------------|--------------|--------------|---------------------------------|----------------------|
|  |              |            | White glazed | Cream glazed | Coloured enameled bright glazed | Eggshell matt glazed |
| <b>WALL TILES</b>                        |              |            | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i>                    | <i>s. d.</i>         |
| $\frac{3}{4}$ " wall tiles to B.S. 1281: |              |            |              |              |                                 |                      |
| 6" x 6" tiles ...                        | Under 2 tons | Yd. super. | 14 11        | 15 9         | 25 0                            | 26 3                 |
| 6" x 6" rounded edge tile ...            | "            | doz.       | 5 10         | 6 2          | 9 6                             | 9 11                 |
| 6" x 6" rounded on two adjacent edges .  | "            | "          | 7 0          | 7 4          | 11 0                            | 11 5                 |
| 1 $\frac{1}{2}$ " x 6" bird's beak ..... | "            | "          | 5 5          | 5 5          | 6 1                             | 7 0                  |

## PLUMBER, INCLUDING GAS AND HOT WATER FITTER, ZINC WORKER, AND COPPER-SMITH

*NOTE.—In order to avoid raising unnecessary queries with suppliers, attention is drawn to the fact that all prices are based on rates ruling November 1948.*

| Material   | Size of load                | Unit | Price                             |
|--|-----------------------------|------|-----------------------------------|
| <b>SHEET LEAD</b>  |                             |      | <i>s. d.</i>                      |
| Sheet lead to B.S.1178 . . . . .                                       | 5 cwt. to<br>under<br>1 ton | Cwt. | 130 9                             |
| <i>Extra for sheet lead:</i>   |                             |      |                                   |
| 3 lb. to under 3½ lb . . . . .   | —                           | ..   | 0 6                               |
| 2½ lb. .. 3 lb. . . . .  | —                           | ..   | 1 0                               |
| 2 lb. .. 2½ lb . . . . .   | —                           | ..   | 2 0                               |
| 1½ lb. .. 2 lb. . . . .  | —                           | ..   | 4 0                               |
| 1 lb. .. 1½ lb. . . . .  | —                           | ..   | 5 0                               |
| <b>CAST-IRON PIPES AND<br/>GUTTERS, ETC.</b>                           |                             |      | As list No.                       |
| Half-round cast-iron gutters and fittings to B.S.1205 . . . . .        | 3 cwt.<br>and over          | —    | 3100 A.B.,<br>1/2/40,<br>plus 70% |
| O.G. cast-iron gutter and fittings . .                                 | ..                          | —    | .. 70%                            |
| Cast-iron box-gutter and fittings . .                                  | ..                          | —    | .. 70%                            |
| Cast-iron rainwater pipe and fittings to B.S.460 . . . . .             | ..                          | —    | .. 70%                            |
| Rectangular cast-iron rainwater pipe and fittings . . . . .            | ..                          | —    | .. 70%                            |
| Large socket cast-iron rainwater pipe and fittings . . . . .           | ..                          | —    | .. 70%                            |
| Cast-iron soil waste and ventilating pipes and fittings to B.S.416 . . | ..                          | —    | .. 70%                            |
| <i>N.B.—For List No. 3100 A B 1/2/40, see "Appendix".</i>              |                             |      |                                   |

# LEAD Sheet and Pipe

## Information

Detailed information on the use of lead sheet and pipe in building work is given in various Information Sheets and Booklets prepared by the Technical Information Bureau of the Lead Industries Development Council. Copies of these publications may be obtained from the Head Office of the Council, the address of which is given below.

## Specification

The quality of lead sheet and pipe for building work is controlled by the following British Standards:—

- B.S.602 : 1949 Lead Pipe for other than chemical purposes
- B.S.603 : 1941 Lead Pipes: B.N.F. Ternary Alloy No. 2
- B.S.1085 : 1946 Lead Pipes: Silver-Copper-Lead Alloy
- B.S.1178 : 1944 Milled Lead Sheet and Strip for Building Purposes
- B.S.334 : 1934 Chemical Lead
- B.S.504 : 1944 Drawn Lead Traps

## Enquiries

Enquiries relating to specific problems arising from the use of lead sheet and pipe should be addressed to—

LEAD TECHNICAL INFORMATION BUREAU  
25 Lower Belgrave Street, London, S.W.1

## Lead Industries Development Council

EAGLE HOUSE · JERMYN STREET · LONDON · S.W.1

# Lead Sheet for..

Flat roofs, box and taper gutters.

Domes, spires and turrets.

Flashings to ALL other materials used for flat or pitched roofs.

Cloaks to cavity walls and damp proof courses.

Linings to storage and flushing cisterns,  
laboratory tables, and battery room benches.

X-ray protection.

# Lead and Lead Alloy Pipe for...

Water supply, underground service pipes, cold and hot internal distribution and overflow pipes.

Soil, waste and vent pipes.

Gas, meter connection and distribution pipes.

Laboratory sink wastes and fume pipes.

*For further information see announcement on previous page.*

**Lead Industries Development Council**

**EAGLE HOUSE · JERMYN STREET · LONDON · SW1**

**Plumber, Including Gas and Hot Water Fitter, Zinc Worker, and Copper-Smith**

| Material  | Size of load | Unit    | Price |       |       |      |       |       |  |
|---|--------------|---------|-------|-------|-------|------|-------|-------|--|
|   |              |         | 3"    | 4"    | 4½"   | 5"   | 6"    | 8"    |  |
| <b>ASBESTOS PIPES AND GUTTERS, ETC. to B.S.569.</b>   |              |         |       |       |       |      |       |       |  |
| <i>All prices for asbestos pipes and gutters are subject to a trade discount of 12½% for orders up to the value of £30.</i> |              |         |       |       |       |      |       |       |  |
| Half-round gutters .....  |              | Yd. run | 1 7½  | 1 11½ | 2 0½  | 2 4½ | 3 3½  | 4 1   |  |
| Tee pieces .....  |              | No.     | — 6   | 1 7½  | 1 11½ | 2 0½ | 2 11½ | — 5   |  |
| Nozzles .....   |              | "       | 0 7½  | 1 8½  | 0 8½  | 0 11 | 1 3   | 1 5½  |  |
| Union clips .....   |              | "       | 1 3   | 1 3½  | 1 4½  | 1 7½ | 2 0½  | 2 6   |  |
| Drop-ends with socket or spigot .....   |              | "       | 0 5   | 0 5½  | 0 6½  | 0 7½ | 0 8½  | 1 0½  |  |
| Stop-ends for socket or spigot .....  |              | "       | 1 6   | 1 7½  | 1 11½ | 2 0½ | 2 11½ | 3 5   |  |
| Angles, 90° .....   |              | "       | 1 6   | 1 7½  | 1 11½ | —    | —     | —     |  |
| Angles, 120° and 135° .....   |              | "       | —     | 2 4½  | 2 6½  | 3 1  | 3 9   | 4 10½ |  |
| O.G. gutters .....  |              | Yd. run | —     | 1 7½  | 1 8½  | 1 9½ | 2 4½  | 3 2½  |  |
| Drop-ends with socket or spigot .....   |              | No.     | —     | 0 11½ | 1 2½  | 1 3½ | 1 7½  | 2 0   |  |
| Union clips .....   |              | "       | —     | 0 5½  | 0 6½  | 0 7½ | 0 8½  | 1 0½  |  |
| Stop-ends for socket or spigot .....  |              | "       | —     | 1 11½ | 2 2   | 2 6½ | 3 1   | 3 11½ |  |
| Angles (internal or external) .....   |              | "       | —     | 1 11½ | 2 2   | 2 6½ | 3 1   | 3 11½ |  |
| Nozzles .....   |              | "       | —     | 1 11½ | 2 2   | 2 6½ | 3 1   | 3 11½ |  |



**Plumber, Including Gas and Hot Water Fitter, Zinc Worker, and Copper-Smith**

| Material  | Size of load | Unit   | Price |       |       |       |        |       |  |
|---|--------------|--------|-------|-------|-------|-------|--------|-------|--|
|   |              |        | 2"    | 2½"   | 3"    | 4"    | 5"     | 6"    |  |
|   |              |        | s. d. | s. d. | s. d. | s. d. | s. d.  | s. d. |  |
| <b>ASBESTOS PIPES AND GUTTERS, ETC.</b>   |              |        |       |       |       |       |        |       |  |
| <i>—continued</i>   |              |        |       |       |       |       |        |       |  |
| Rainwater pipe (10' lengths in 2", 2½", 3", and 4" diameter; 6' lengths in all diameters) |              | Yd run | 2 3½  | 2 6½  | 3 1   | 4 2½  | 7 1½   | 8 10½ |  |
| Rainwater or cistern head:  |              | No     | 4 5½  | 5 0   | 6 0½  | 7 10  | 12 8½  | 15 7½ |  |
| Rectangular   |              | "      | 3 5   | 3 9½  | 4 6   | 6 0½  | 10 10½ | 13 6  |  |
| Hexagon   |              | "      | 6 1½  | 6 9½  | 7 5½  | 9 6½  | 12 11½ | 16 4  |  |
| Angle   |              | "      | 3 11½ | 4 5½  | 5 9½  | 7 7½  | —      | —     |  |
| Modern  |              | "      | 1 4½  | 1 7½  | 1 11½ | 2 10  | 5 1½   | 7 0½  |  |
| Small box   |              | "      | 2 4½  | 2 11½ | 3 6½  | 4 10½ | 7 10   | 12 3  |  |
| Shoes   |              | "      | —     | 2 11½ | 3 6½  | 4 10½ | —      | —     |  |
| Equal single branches   |              | "      | 4 1   | 4 10½ | 5 8   | 8 4   | —      | —     |  |
| Unequal single branches   |              | "      | 2 4½  | 2 11½ | 3 6½  | 4 10½ | —      | —     |  |
| Equal double branches   |              | "      | 1 7½  | 1 10½ | 2 4½  | 3 5   | 6 0½   | 7 8½  |  |
| Unequal double branches   |              | "      | 4 9   | 5 6½  | 6 8½  | 7 8½  | 10 3½  | 12 4½ |  |
| Y-piece   |              | "      | —     | —     | —     | —     | —      | —     |  |
| Bends   |              | "      | 2 4½  | 2 11½ | 3 6½  | 4 10½ | —      | —     |  |
| Bends with cleaning doors   |              | "      | 1 7½  | 1 10½ | 2 4½  | 3 5   | 6 0½   | 7 8½  |  |
| Plumb bends:  |              | "      | —     | —     | —     | —     | —      | —     |  |
| 2½" and 3" projection   |              | "      | 1 11½ | 2 0½  | 2 8   | 3 9   | 6 0½   | 8 3½  |  |
| 4½" and 6"  |              | "      | 2 8   | 3 1½  | 3 5   | 4 7½  | 7 10   | 10 6½ |  |

*N.B.—All prices for Asbestos Pipes and Gutters are subject to a trade discount of 12½% for orders up to the value of £30.*

**Plumber, Including Gas and Hot Water Fitter, Zinc Worker, and Copper-Smith**

| Material                                | Size of load | Unit  | Price |       |       |       |       |        |  |  |
|---|--------------|-------|-------|-------|-------|-------|-------|--------|--|--|
|   |              |       | 2"    | 2½"   | 3"    | 4"    | 5"    | 6"     |  |  |
| <b>ASBESTOS PIPES AND GUTTERS, ETC.</b> |              |       |       |       |       |       |       |        |  |  |
| <i>---Continued</i>                     |              |       |       |       |       |       |       |        |  |  |
| <b>Swannecks:</b>                       |              |       |       |       |       |       |       |        |  |  |
| 3" projection                           |              | No.   | 1 9½  | 1 11½ | 2 4½  | 3 6½  | 5 8   | 7 10   |  |  |
| 4½ and 6"                               |              | "     | 2 0   | 2 6½  | 2 10  | 4 1   | 6 11½ | 9 1    |  |  |
| 7½"                                     |              | "     | —     | 2 10  | —     | —     | —     | —      |  |  |
| 9"                                      |              | "     | 2 8   | 3 0   | 3 6½  | 5 2   | 8 3½  | 10 2½  |  |  |
| 12"                                     |              | "     | 3 2½  | 3 8½  | 4 3   | 6 0½  | 9 7½  | 12 7   |  |  |
| 15"                                     |              | "     | 3 11½ | 4 4½  | 5 0   | 7 5½  | 11 4  | 14 11½ |  |  |
| 18"                                     |              | "     | 4 4½  | 5 0   | 6 0½  | 8 5   | 13 1½ | 16 7½  |  |  |
| 21"                                     |              | "     | 5 1½  | 5 8   | 6 7   | 9 6½  | 16 6½ | 20 1½  |  |  |
| 24"                                     |              | "     | 6 0½  | 7 0½  | 7 7½  | 11 4  | 18 4½ | 22 2½  |  |  |
| Loose sockets                           |              | "     | 1 9½  | 2 0   | 2 3½  | 3 0   | 4 4½  | 5 6    |  |  |
|   |              |       | 3"    | 4"    | 4½"   | 5"    | 6"    | 8"     |  |  |
|   |              |       | s. d. | s. d. | s. d. | s. d. | s. d. | s. d.  |  |  |
|   |              | Gross | 82 6  | 86 0  | 90 0  | 96 6  | 165 0 | 206 0  |  |  |
|   |              | "     | —     | 96 6  | 101 0 | 107 0 | 193 0 | 261 6  |  |  |
|   |              | "     | 96 6  | 103 0 | 107 0 | 111 6 | 182 0 | 246 6  |  |  |
|   |              | "     | 80 0  | 88 6  | 92 6  | 99 0  | 110 0 | —      |  |  |
|   |              | "     | —     | 113 6 | 118 0 | 122 0 | 187 6 | 268 0  |  |  |

*N.B.—All prices for Asbestos Pipes and Gutters are subject to a trade discount of 12½% for orders up to the value of £30*

**Plumber, Including Gas and Hot Water Fitter, Zinc Worker, and Copper-Smith**

| Material                                | Size of load | Unit    | Price          |               |               |                |               |                |
|---|--------------|---------|----------------|---------------|---------------|----------------|---------------|----------------|
|   |              |         | 16" x 5" x 10" | 18" x 5" x 6" | 24" x 6" x 9" | 12" x 6" x 6"  |               |                |
| <b>ASBESTOS PIPES AND GUTTERS, ETC.</b> |              |         |                |               |               |                |               |                |
| <i>—continued</i>                       |              |         |                |               |               |                |               |                |
| Valley gutter .....                     |              | Yd. run | s. d.          | s. d.         | s. d.         | s. d.          |               |                |
| Stop-end for socket or spigot .....     |              | No.     | 9 0            | 9 0           | 10 8          | 8 0            |               |                |
| Drop-end with socket or spigot .....    |              | "       | 3 11           | 4 2           | 5 4           | 4 1            |               |                |
| Nozzles .....                           |              | "       | 10 10          | 11 3          | 13 9          | 9 3            |               |                |
|   |              |         | 10 10          | 11 3          | 13 9          | 9 3            |               |                |
|   |              |         | 4**            | 4**           | 4' & 6**      | 4**            |               |                |
|   |              |         | 11" x 5" x 7"  | 12" x 6" x 5" | 12" x 6" x 9" | 18" x 6" x 12" | 16" x 6" x 9" | 22" x 6" x 16" |
| Boundary wall gutter .....              |              | Yd. run | s. d.          | s. d.         | s. d.         | s. d.          |               |                |
| Stop-end for socket or spigot .....     |              | No.     | 6 8            | 7 8           | 9 0           | 11 1           | s. d.         |                |
| Drop-end with socket or spigot .....    |              | "       | 2 7            | 2 11          | 4 1           | 4 11           | 10 7          | 11 3           |
| Nozzles .....                           |              | "       | 8 10           | 10 3          | 11 3          | 12 10          | 13 9          | 14 4           |
| Angles (internal and external) .....    |              | "       | 8 10           | 10 3          | 11 3          | 12 10          | 13 9          | 14 4           |
|   |              | "       | 8 10           | 10 3          | 11 3          | 12 10          | 13 9          | 14 4           |
|   |              |         | 4**            | 4**           | 4**           | 6**            | 6**           | 6**            |

\* Standard diameter of outlet.

N.B.—All prices for Asbestos Pipes and Gutters are subject to a trade discount of 12½% for orders up to the value of £30.

**Plumber, Including Gas and Hot Water Fitter, Zinc Worker, and Copper-Smith**

| Material  | Size of load | Unit                     | Price                       |               |          |          |
|---|--------------|--------------------------|-----------------------------|---------------|----------|----------|
|   |              |                          | Standard diameter of outlet |               |          |          |
| <b>ASBESTOS PIPES AND GUTTERS, ETC.</b><br>—continued |              | Yd. run<br>No.           | 15" x 5" x 3½"              | 18" x 6" x 4" |          |          |
|   |              |                          | s. d.                       | s. d.         |          |          |
|   |              |                          | 8 8                         | 9 10          |          |          |
|   |              |                          | 3 10                        | 4 6           |          |          |
|   |              |                          | 10 8                        | 11 8          |          |          |
|   |              |                          | 10 8                        | 11 8          |          |          |
|   |              |                          | 4**                         | 4**           |          |          |
|   |              |                          | 5" x 4½"                    | 5" x 6"       | 12" x 8" | 15" x 5" |
|   |              |                          | s. d.                       | s. d.         | s. d.    | s. d.    |
|   |              |                          | 7 9                         | 8 1           | 12 1     | 12 6     |
| 2 11  | 4 2          | 5 10                     | 5 10                        |               |          |          |
| 10 3  | 11 3         | 15 8                     | 16 0                        |               |          |          |
| 10 3  | 11 3         | 15 8                     | 16 0                        |               |          |          |
| 4**   | 4**          | 6**                      | 6**                         |               |          |          |
| Box gutter<br>Stop-ends<br>Drop-ends<br>Nozzles       |              | Yd. run<br>No.<br>"<br>" |                             |               |          |          |
|   |              |                          | s. d.                       | s. d.         | s. d.    | s. d.    |
|   |              |                          | 7 9                         | 8 1           | 12 1     | 12 6     |
|   |              |                          | 2 11                        | 4 2           | 5 10     | 5 10     |
|   |              |                          | 10 3                        | 11 3          | 15 8     | 16 0     |
| 10 3  | 11 3         | 15 8                     | 16 0                        |               |          |          |
| 4**   | 4**          | 6**                      | 6**                         |               |          |          |

\* Standard diameter of outlet.

N.B.—All prices for Asbestos Pipes and Gutters are subject to a trade discount of 12½% for orders up to the value of £30.

**Plumber, Including Gas and Hot Water Fitter,  
Zinc Worker, and Copper-Smith**

| Material   | Size of load | Unit    | Diameter of pipe |       |       |       |       |
|--|--------------|---------|------------------|-------|-------|-------|-------|
|  |              |         | 2"               | 2½"   | 3"    | 3½"   | 4"    |
| <b>ASBESTOS PIPES AND GUTTERS, ETC.—continued</b>  |              |         |                  |       |       |       |       |
| Soil pipes.  |              | Yd. run | s. d.            | s. d. | s. d. | s. d. | s. d. |
| 10' and 6' lengths . . . . .   |              | ..      | 2 5              | 2 10  | 3 3   | 3 9   | 4 3   |
| 4' and 3' " . . . . .  |              | ..      | 2 7              | 3 0   | 3 5   | 3 11  | 4 6   |
| Soil pipes with inspection doors:  |              |         |                  |       |       |       |       |
| 1' 6" long . . . . .   |              | No.     | —                | —     | —     | 7 1   | 7 5   |
| 2' 6" " . . . . .  |              | ..      | —                | —     | —     | —     | 7 7   |
| 3' 0" " . . . . .  |              | ..      | 5 8              | 5 11  | —     | —     | —     |
| Connecting pipe (with socket to connect to "P" trap or earthenware pipe) 36" long over all . . . . . |              | ..      | —                | —     | —     | 5 7   | 6 3   |
| Loose sockets . . . . .  |              | ..      | 1 11             | —     | 2 4   | 2 6   | 3 2   |
| Swannecks:   |              |         |                  |       |       |       |       |
| 3" projection . . . . .  |              | ..      | 4 7              | —     | 5 0   | 5 4   | 5 7   |
| 4½" " . . . . .  |              | ..      | 4 8              | —     | —     | 5 7   | 6 0   |
| 6" " . . . . .   |              | ..      | 4 9              | —     | 5 2   | 5 7   | 6 0   |
| 9" " . . . . .   |              | ..      | 5 1              | 5 4   | 5 6   | 5 11  | 6 5   |
| 12" " . . . . .  |              | ..      | 5 5              | 5 7   | 5 10  | 6 5   | 7 2   |
| 15" " . . . . .  |              | ..      | 5 8              | —     | 6 6   | 7 7   | 8 2   |
| 18" " . . . . .  |              | ..      | 6 0              | —     | 7 10  | 8 8   | 9 4   |
| 21" " . . . . .  |              | ..      | —                | —     | —     | 9 11  | 10 7  |
| 24" " . . . . .  |              | ..      | —                | —     | —     | 11 7  | 12 5  |
| 27" " . . . . .  |              | ..      | —                | —     | —     | —     | 14 3  |
| Bends . . . . .  |              | ..      | 3 3              | 4 4   | 5 0   | 5 11  | 6 4   |
| Bends with inspection doors  |              | ..      | 8 2              | 8 6   | —     | 9 0   | 9 5   |
| Long arm bends with large socket on branch to connect direct to "P" trap:                            |              |         |                  |       |       |       |       |
| 11" × 15" . . . . .  |              | ..      | —                | —     | —     | —     | 7 7   |
| 10" × 14" . . . . .  |              | ..      | —                | —     | —     | 6 8   | 7 4   |
| 12" × 12" . . . . .  |              | ..      | —                | —     | —     | 7 2   | 7 10  |
| 12" × 16" . . . . .  |              | ..      | —                | —     | —     | 7 9   | 8 7   |
| 14" × 18" . . . . .  |              | ..      | —                | —     | —     | 8 10  | 9 9   |
| 16" × 20" . . . . .  |              | ..      | —                | —     | —     | 9 1   | 10 0  |
| 18" × 22" . . . . .  |              | ..      | —                | —     | —     | 9 4   | 10 3  |
| 20" × 24" . . . . .  |              | ..      | —                | —     | —     | 9 9   | 10 9  |
| 20" × 28" . . . . .  |              | ..      | —                | —     | —     | —     | 11 7  |
| 24" × 26" . . . . .  |              | ..      | —                | —     | —     | 10 7  | 11 7  |
| Equal single branches . . . . .  |              | ..      | 5 7              | 6 0   | 6 6   | 6 10  | 7 8   |
| Equal single branches with inspection doors . . . . .  |              | ..      | 8 8              | 9 1   | —     | 9 11  | 13 2  |
| Parallel branches, 180° . . . . .  |              | ..      | 7 6              | —     | —     | —     | 10 3  |

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**Plumber, Including Gas and Hot Water Fitter,  
Zinc Worker, and Copper-Smith**

| Material  | Size of load | Unit | Price            |   |     |    |    |    |     |       |    |    |
|---|--------------|------|------------------|---|-----|----|----|----|-----|-------|----|----|
|   |              |      | Diameter of Pipe |   |     |    |    |    |     |       |    |    |
|   |              |      | 2"               |   | 2½" |    | 3" |    | 3½" |       | 4" |    |
| <b>ASBESTOS PIPES AND GUTTERS, ETC.—continued</b>                             |              |      |                  |   |     |    |    |    |     |       |    |    |
| Unequal single branches:  |              |      |                  |   |     |    |    |    |     |       |    |    |
| 1½" branch, 95° . . .   |              | No.  | s                | d | s   | d  | s  | d  | s   | d     | s  | d  |
| 1½" " 100° . . .  |              | "    | 5                | 4 | —   | —  | —  | —  | —   | —     | —  | —  |
| 2" " 95° . . .  |              | "    | 5                | 4 | 5   | 7  | —  | —  | —   | —     | —  | —  |
| 2" " 100° . . .   |              | "    | —                | — | 6   | 10 | 6  | 10 | 7   | 3     | —  | —  |
| 2" " 112½° . . .  |              | "    | —                | — | 6   | 3  | —  | —  | 7   | 3     | 7  | 8  |
| 2" " 135° . . .   |              | "    | —                | — | 6   | 3  | —  | —  | 7   | 3     | 7  | 8  |
| 2½" " 95° . . .   |              | "    | —                | — | —   | —  | 6  | 10 | —   | —     | 7  | 8  |
| 2½" " 112½° . . .   |              | "    | —                | — | —   | —  | 7  | 1  | 7   | 8     | —  | —  |
| 2½" " 135° . . .  |              | "    | —                | — | —   | —  | 7  | 1  | —   | —     | —  | —  |
| 3" " 95° . . .  |              | "    | —                | — | —   | —  | —  | —  | —   | —     | 7  | 8  |
| Unequal " single branches with inspection doors . . .                         |              | "    | —                | — | 9   | 1  | —  | —  | 9   | 11,13 | 2  | —  |
| Unequal single branches (inverted or anti-syphon) . . .                       |              | "    | —                | — | —   | —  | 6  | 10 | 7   | 3     | 7  | 8  |
| Equal single branches (inverted or anti-syphon) . . .                         |              | "    | 7                | 6 | —   | —  | —  | —  | —   | —     | —  | —  |
| Equal double branches . . .   |              | "    | —                | — | 6   | 10 | —  | —  | 10  | 6,11  | 0  | —  |
| Equal double branches with inspection doors . . .                             |              | "    | —                | — | —   | —  | —  | —  | —   | —     | 16 | 5  |
| Unequal double branches . . .   |              | "    | —                | — | 7   | 6  | 7  | 9  | —   | —     | —  | —  |
| Unequal double branches (inverted or anti-syphon) . . .                       |              | "    | —                | — | —   | —  | 7  | 9  | —   | —     | —  | —  |
| Long arm branches with large sockets on branch to connect direct to "P" trap: |              |      |                  |   |     |    |    |    |     |       |    |    |
| 9" projection . . .   |              | "    | —                | — | —   | —  | —  | —  | —   | 9     | 1  | —  |
| 12" " . . .   |              | "    | —                | — | —   | —  | —  | —  | 8   | 8     | 9  | 5  |
| 15" " . . .   |              | "    | —                | — | —   | —  | —  | —  | 9   | 0     | 9  | 11 |
| 18" " . . .   |              | "    | —                | — | —   | —  | —  | —  | 9   | 4     | 10 | 4  |
| 21" " . . .   |              | "    | —                | — | —   | —  | —  | —  | 9   | 10    | 10 | 9  |
| 24" " . . .   |              | "    | —                | — | —   | —  | —  | —  | 11  | 3     | 12 | 5  |
| 27" " . . .   |              | "    | —                | — | —   | —  | —  | —  | 12  | 9     | 13 | 11 |
| Long arm branches with standard sockets on stem and on branch:                |              |      |                  |   |     |    |    |    |     |       |    |    |
| 12" projection . . .  |              | "    | —                | — | —   | —  | —  | —  | —   | 9     | 5  | —  |
| 15" " . . .   |              | "    | —                | — | —   | —  | —  | —  | —   | 9     | 11 | —  |
| 18" " . . .   |              | "    | —                | — | —   | —  | —  | —  | —   | 10    | 4  | —  |
| Long arm branches with large socket on branch to connect direct to "S" trap:  |              |      |                  |   |     |    |    |    |     |       |    |    |
| 12" projection . . .  |              | "    | —                | — | —   | —  | —  | —  | —   | 11    | 0  | —  |
| 15" " . . .   |              | "    | —                | — | —   | —  | —  | —  | —   | 11    | 3  | —  |
| 18" " . . .   |              | "    | —                | — | —   | —  | —  | —  | 11  | 2     | 11 | 7  |
| 21" " . . .   |              | "    | —                | — | —   | —  | —  | —  | —   | 12    | 5  | —  |
| 24" " . . .   |              | "    | —                | — | —   | —  | —  | —  | —   | 13    | 4  | —  |

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**Plumber, Including Gas and Hot Water Fitter,  
Zinc Worker, and Copper-Smith**

| Material  | Size of load | Unit | Price            |              |              |              |              |
|---|--------------|------|------------------|--------------|--------------|--------------|--------------|
|   |              |      | Diameter of pipe |              |              |              |              |
|   |              |      | 2"               | 2½"          | 3"           | 3½"          | 4"           |
|   |              |      | <i>s. d.</i>     | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| <b>ASBESTOS PIPES AND GUTTERS, ETC.—continued</b> |              |      |                  |              |              |              |              |
| Y-pieces, 112½° .....                             |              | No   | —                | —            | —            | —            | 7 8          |
| Cowls for ventilating stacks, with socket .....   |              | "    | —                | —            | —            | 4 1          | 4 8          |
| Spare inspection door for bends or branches ..... |              | "    | 5 0              | 5 0          | —            | 5 6          | 5 6          |

*N.B.—All prices for Asbestos Pipes and Gutters are subject to a trade discount of 12½% for orders up to the value of £30.*

| Material                                   | Size of load | Unit | Price            |              |              |
|--|--------------|------|------------------|--------------|--------------|
|  |              |      | Diameter of pipe |              |              |
|  |              |      | 4"               | 4½"          | 6"           |
|  |              |      | <i>s. d.</i>     | <i>s. d.</i> | <i>s. d.</i> |
| <b>LIGHT-ALLOY PIPES AND GUTTERS, ETC.</b> |              |      |                  |              |              |
| Half-round gutter:                         |              |      |                  |              |              |
| 6' lengths .. . . .                        |              | No   | 7 7              | 8 2          | 12 7         |
| 4' " .. . . .                              |              | "    | 5 11             | 6 0          | —            |
| 3' " .. . . .                              |              | "    | 4 10             | 4 11         | —            |
| Union clips .. . . .                       |              | "    | 1 5              | 1 7          | 1 11         |
| Stop-end for socket or spigot ..           |              | "    | 0 11             | 0 11         | 1 2          |
| Angles:                                    |              |      |                  |              |              |
| 90° .. . . .                               |              | "    | 2 10             | 2 11         | 3 1          |
| 120° and 135° .. . . .                     |              | "    | 2 8              | 2 8          | —            |
| Nozzles, double socket .. . . .            |              | "    | 2 6              | 2 6          | 2 10         |
| Nozzles with socket or spigot ..           |              | "    | 2 3              | 2 4          | —            |
| Fascia brackets .. . . .                   |              | Doz. | 5 0              | 8 0          | 12 0         |
| Rafter brackets .. . . .                   |              | "    | —                | 16 0         | —            |

*N.B.—Light-Alloy Pipes and Gutters are subject to a discount of 7½% for lots of £30 and over. Carriage paid.*

**Plumber, Including Gas and Hot Water Fitter,  
Zinc Worker, and Copper-Smith**

| Material   | Size of load | Unit | Price  |    |     |    |       |    |    |    |   |
|--|--------------|------|--------|----|-----|----|-------|----|----|----|---|
|  |              |      | 2½"    |    | 3"  |    | 4½"   |    |    |    |   |
|  |              |      | s.     | d. | s.  | d. | s.    | d. |    |    |   |
| <b>LIGHT-ALLOY PIPES AND GUTTERS, ETC.—continued</b> |              |      |        |    |     |    |       |    |    |    |   |
| O.G. gutter:   |              |      |        |    |     |    |       |    |    |    |   |
| 6' lengths.....                                      |              | No.  | —      | —  | 11  | 4  |       |    |    |    |   |
| 4' ".....  |              | "    | —      | —  | 8   | 6  |       |    |    |    |   |
| 3' ".....  |              | "    | —      | —  | 7   | 3  |       |    |    |    |   |
| Union clips.....                                     |              | "    | —      | —  | 1   | 9  |       |    |    |    |   |
| Stop-end for spigot.....                             |              | "    | —      | —  | 1   | 2  |       |    |    |    |   |
| Stop-end for socket.....                             |              | "    | —      | —  | 1   | 3  |       |    |    |    |   |
| Angles:  |              |      |        |    |     |    |       |    |    |    |   |
| 90°.....   |              | "    | —      | —  | 3   | 5  |       |    |    |    |   |
| 135°.....  |              | "    | —      | —  | 3   | 3  |       |    |    |    |   |
| Nozzles with socket and spigot.....                  |              | "    | —      | —  | 3   | 5  |       |    |    |    |   |
| Stop nozzles with socket or spigot.....              |              | "    | —      | —  | 3   | 0  |       |    |    |    |   |
|  |              |      | 2"     |    | 2½" |    | 3"    |    | 4" |    |   |
|  |              |      | s.     | d. | s.  | d. | s.    | d. | s. | d. |   |
| Rainwater pipes:                                     |              |      |        |    |     |    |       |    |    |    |   |
| 16' 0".....  |              | "    | —      | —  | 37  | 6  | 41    | 0  | —  | —  |   |
| *12' 0".....   |              | "    | —      | —  | 29  | 0  | 30    | 7  | —  | —  |   |
| *9' 0".....  |              | "    | —      | —  | 21  | 6  | 23    | 9  | —  | —  |   |
| 8' 0".....   |              | "    | —      | —  | 19  | 4  | 21    | 6  | —  | —  |   |
| 7' 0".....   |              | "    | —      | —  | 17  | 0  | 19    | 3  | —  | —  |   |
| *6' 0".....  |              | "    | 13     | 3  | 15  | 0  | 16    | 11 | 24 | 9  |   |
| 5' 0".....   |              | "    | 11     | 6  | 12  | 9  | 14    | 8  | 21 | 3  |   |
| 4' 0".....   |              | "    | —      | —  | 10  | 9  | 12    | 3  | —  | —  |   |
| *3' 0".....  |              | "    | 7      | 11 | 8   | 10 | 9     | 9  | 14 | 4  |   |
| 2' 0".....   |              | "    | —      | —  | 6   | 8  | 7     | 6  | —  | —  |   |
| 1' 0".....   |              | "    | —      | —  | 4   | 7  | 5     | 4  | —  | —  |   |
| Rainwater offsets:                                   |              |      |        |    |     |    |       |    |    |    |   |
| 3".....  |              | "    | —      | —  | 5   | 4  | 5     | 4  | —  | —  |   |
| 6".....  |              | "    | 5      | 7  | 5   | 9  | 5     | 11 | 9  | 0  |   |
| 9".....  |              | "    | 6      | 1  | 6   | 5  | 6     | 8  | 10 | 8  |   |
| 12".....   |              | "    | 6      | 10 | 7   | 4  | 7     | 10 | —  | —  |   |
| 15".....   |              | "    | —      | —  | 9   | 9  | 10    | 5  | —  | —  |   |
| Rainwater bends:                                     |              |      |        |    |     |    |       |    |    |    |   |
| 92½°.....  |              | "    | 3      | 1  | 4   | 3  | 4     | 6  | 5  | 11 |   |
| 112°.....  |              | "    | 3      | 3  | 3   | 11 | 4     | 3  | 5  | 7  |   |
| 135°.....  |              | "    | —      | —  | 3   | 10 | 4     | 1  | 5  | 3  |   |
| Single branches:                                     |              |      |        |    |     |    |       |    |    |    |   |
| 92½°.....  |              | "    | —      | —  | 6   | 6  | 6     | 9  | 10 | 3  |   |
| 112°.....  |              | "    | —      | —  | 6   | 6  | 6     | 9  | 10 | 4  |   |
| 135°.....  |              | "    | —      | —  | 6   | 8  | 7     | 0  | —  | —  |   |
| Rainwater heads:                                     |              |      |        |    |     |    |       |    |    |    |   |
| Flat or angle.....                                   |              | "    | —      | —  | 4   | 10 | 4     | 10 | —  | —  |   |
| Rectangular.....                                     |              | "    | 7      | 10 | 13  | 0  | 13    | 0  | 20 | 10 |   |
| Union sockets.....                                   |              | "    | 2      | 1  | 2   | 1  | 2     | 3  | 3  | 11 |   |
| Rainwater shoes.....                                 |              | "    | 2      | 10 | 3   | 0  | 3     | 1  | 5  | 3  |   |
|  |              |      | 2½"-2" |    |     |    | 4"-3" |    |    |    |   |
|  |              |      | 1      |    | 9   |    |       |    | 2  |    | 4 |

*N.B.—Light-alloy pipes and gutters are subject to a discount of 7½% for lots of £30 and over. Carriage paid.*

\* These are the stock standard lengths of rainwater pipe.



**Plumber, Including Gas and Hot Water Fitter,  
Zinc Worker, and Copper-Smith**

| Material   | Unit | Price |     |     |     |    |    |     |     |    |    |    |    |
|--|------|-------|-----|-----|-----|----|----|-----|-----|----|----|----|----|
|  |      | 3"    |     | 3½" |     | 4" |    | 4½" |     | 5" |    | 6" |    |
|  |      | s.    | d.  | s.  | d.  | s. | d. | s.  | d.  | s. | d. | s. | d. |
| <b>GALVANIZED MILD STEEL GUTTERS AND RAINWATER PIPES</b> |      |       |     |     |     |    |    |     |     |    |    |    |    |
| Half-round gutters:                                      |      |       |     |     |     |    |    |     |     |    |    |    |    |
| 18 g. G.A.M. . . . .                                     | 6'   | 2     | 0   | 2   | 3   | 2  | 4½ | 2   | 9   | 3  | 0  | 3  | 7½ |
| 20 g. G.A.M. . . . .                                     | ..   | 1     | 8½  | 1   | 10½ | 2  | 0  | 2   | 4½  | 2  | 7½ | 3  | 3  |
| 18 g. galvanized sheet . . .                             | ..   | 1     | 6   | 1   | 9   | 2  | 0  | 2   | 3   | 2  | 6  | 3  | 0  |
| 20 g. galvanized sheet . . .                             | ..   | 1     | 4½  | 1   | 6   | 1  | 9  | 2   | 0   | 2  | 3  | 2  | 6  |
| Fittings, 18 g. G.A.M. only:                             |      |       |     |     |     |    |    |     |     |    |    |    |    |
| Angles, 90° or 135° . . . .                              | Each | 1     | 1½  | 1   | 1½  | 1  | 3  | 1   | 4½  | 1  | 6  | 1  | 7½ |
| Nozzles and stop nozzles . .                             | ..   | 1     | 1½  | 1   | 1½  | 1  | 3  | 1   | 4½  | 1  | 6  | 1  | 7½ |
| Stop ends . . . . .                                      | ..   | 0     | 4½  | 0   | 4½  | 0  | 5½ | 0   | 5½  | 0  | 6  | 0  | 7½ |
| O.G. gutters   |      |       |     |     |     |    |    |     |     |    |    |    |    |
| 18 g. G.A.M. . . . .                                     | 6'   | 2     | 6   | 2   | 9   | 3  | 0  | 3   | 3   | 3  | 6  | 4  | 1½ |
| 20 g. G.A.M. . . . .                                     | ..   | 2     | 3   | 2   | 6   | 2  | 7½ | 2   | 10½ | 3  | 1½ | 3  | 7½ |
| 18 g. galvanized sheet . . .                             | ..   | 2     | 3   | 2   | 6   | 2  | 7½ | 2   | 9   | 3  | 1½ | 3  | 7½ |
| 20 g. galvanized sheet . . .                             | ..   | 1     | 10½ | 2   | 1½  | 2  | 3  | 2   | 4½  | 2  | 7½ | 3  | 4½ |
| Fittings, 18 g. G.A.M. only:                             |      |       |     |     |     |    |    |     |     |    |    |    |    |
| Angles, 90° or 135° . . . .                              | Each | 1     | 6   | 1   | 7½  | 1  | 9  | 1   | 10½ | 2  | 0  | 2  | 3  |
| Nozzles and stop nozzles . .                             | ..   | 1     | 6   | 1   | 7½  | 1  | 9  | 1   | 10½ | 2  | 0  | 2  | 3  |
| Stop ends . . . . .                                      | ..   | 0     | 7   | 0   | 7   | 0  | 7  | 0   | 7   | 0  | 7½ | 0  | 9  |

Short lengths of gutter, 4', 3', and 2', 3d. per length extra

|                                    | Unit | 2"  |     | 2½" |    | 3" |     | 3½" |    | 4" |    |
|------------------------------------|------|---|-----|-----|----|----|-----|-----|----|----|----|
|                                    |      | s.  | d.  | s.  | d. | s. | d.  | s.  | d. | s. | d. |
|                                    |      | 20 W.G. galvanized after made wrought R W pipes | 6'  | 3   | 4½ | 4  | 0   | 4   | 6  | 5  | 3  |
| Pipes, with ears                   | Each | 2   | 0   | 2   | 3  | 2  | 6   | 2   | 9  | 3  | 1½ |
| Shoes                              | ..   | 2   | 6   | 2   | 9  | 2  | 10½ | 3   | 3  | 3  | 6  |
| Bends                              | ..   | 3   | 10½ | 4   | 1½ | 4  | 6   | 4   | 9  | 5  | 3  |
| Offsets, 6" or 9" projection . . . | ..   | 3   | 9   | 4   | 0  | 4  | 3   | 4   | 9  | 5  | 3  |
| Heads, Nos. 1 or 2                 | ..   | 3   | 9   | 4   | 0  | 4  | 3   | 4   | 9  | 5  | 3  |

*N.B.*—Mild steel rainwater goods are subject to the following additions, gutters plus 98%, pipes and fittings plus 108%.

**Plumber, Including Gas and Hot Water Fitter,  
Zinc Worker, and Copper-Smith**

| Material   | Unit | Price |       |       |       |       |
|--|------|-------|-------|-------|-------|-------|
|  |      | 2"    | 2½"   | 3"    | 3½"   | 4"    |
|  |      | s. d. | s. d. | s. d. | s. d. | s. d. |
| <b>GALVANIZED MILD STEEL GUTTERS AND RAINWATER PIPES—continued</b> |      |       |       |       |       |       |
| 24 W.G. galvanized after made wrought R.W. pipes:                  |      |       |       |       |       |       |
| Pipes, with ears   | 6'   | 2 7½  | 3 1½  | 3 9   | 4 3   | 4 9   |
| Shoes  | Each | 1 8½  | 1 10½ | 2 1½  | 2 4½  | 2 9   |
| Bends  | "    | 1 9   | 2 0   | 2 1½  | 2 4½  | 2 7½  |
| Offsets, 6" or 9" projection                                       | "    | 3 1½  | 3 3   | 3 4½  | 3 6   | 3 7½  |
| Heads, Nos. 1 or 2   | "    | 3 9   | 4 0   | 4 3   | 4 9   | 5 3   |
| 26 W.G. galvanized after made wrought R W pipes:                   |      |       |       |       |       |       |
| Pipes, with ears   | 6'   | 2 4½  | 2 10  | 3 4½  | 3 10½ | 4 4½  |
| Shoes  | Each | 1 8½  | 1 10½ | 2 1½  | 2 4½  | 2 9   |
| Bends  | "    | 1 9   | 2 0   | 2 1½  | 2 4½  | 2 7½  |
| Offsets, 6" or 9" projection                                       | "    | 3 1½  | 3 3   | 3 4½  | 3 6   | 3 7½  |
| Heads, Nos. 1 or 2   | "    | 3 9   | 4 0   | 4 3   | 4 9   | 5 3   |

Short lengths of pipe:

4', 3', and 2', with ears, 6d per length extra.

4', 3', and 2', without ears. 3d. per length extra.

| Material               | Unit  | Price |       |       |       |       |       |
|------------------------|-------|-------|-------|-------|-------|-------|-------|
|                        |       | 3"    | 3½"   | 4"    | 4½"   | 5"    | 6"    |
|                        |       | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. |
| <b>SUNDRIES</b>        |       |       |       |       |       |       |       |
| Gutter brackets:       |       |       |       |       |       |       |       |
| No. 2 Black            | Dozen | 3 3   | 3 4   | 3 5   | 3 6   | 3 7   | 3 8   |
| Galvanized             | "     | 4 3   | 4 6   | 4 9   | 5 0   | 5 3   | 5 6   |
| No. 2a Galvanized only | "     | 7 6   | 7 6   | 7 9   | 8 0   | 8 3   | 8 6   |
| No. 3 Black            | "     | 2 6   | 2 6   | 2 6   | 2 6   | 2 9   | 3 0   |
| Galvanized             | "     | 3 3   | 3 3   | 3 3   | 3 6   | 3 9   | 4 0   |
| No. 5 Black            | "     | 3 6   | 3 6   | 3 6   | 3 6   | 3 9   | 4 0   |
| Galvanized             | "     | 5 0   | 5 0   | 5 3   | 5 3   | 5 6   | 5 9   |
| No. 6 Black            | "     | 3 9   | 3 9   | 4 0   | 4 0   | 4 0   | 4 3   |
| Galvanized             | "     | 5 3   | 5 3   | 5 6   | 5 6   | 5 9   | 6 0   |
| No. 7 Black            | "     | 2 9   | 2 9   | 3 0   | 3 0   | 3 3   | 4 6   |
| Galvanized             | "     | 3 3   | 3 6   | 3 9   | 4 0   | 4 3   | 5 9   |

*N.B.—Mild steel rainwater goods are subject to the following additions: gutters plus 98%, pipes and fittings plus 108%.*

**Plumber, Including Gas and Hot Water Fitter,  
Zinc Worker, and Copper-Smith**

| Material   | Unit  | Price             |       |       |       |         |       |       |       |
|--|-------|-------------------|-------|-------|-------|---------|-------|-------|-------|
|  |       | 3½"               | 4"    | 4½"   | 5"    | 6"      | 7"    | 8"    |       |
|  |       | Screw gauge       |       |       |       |         |       |       |       |
|  |       | 16                | 16    | 16    | 16    | 18      | 18    | 18    |       |
|  |       | s. d.             | s. d. | s. d. | s. d. | s. d.   | s. d. | s. d. | s. d. |
| <b>SUNDRIES—</b><br><i>continued</i>   |       |                   |       |       |       |         |       |       |       |
| Galvanized gutter<br>screws, ½" mush-<br>room head . . . . .                 | Gross | 13 0              | 15 6  | 17 0  | 19 0  | 24 0    | 29 0  | 33 0  | 0     |
|  | Unit  | Size × No. 3 W.G. |       |       |       |         |       |       |       |
|  |       | 5"                |       | 6"    |       | 7"      |       |       |       |
|  |       | s. d.             | s. d. | s. d. | s. d. | s. d.   | s. d. | s. d. | s. d. |
| Gutter spikes  |       |                   |       |       |       |         |       |       |       |
| Black . . . . .  | Gross | 4 6               | 5 6   | 6 9   | 7 0   | 8 6     | 8 6   |       |       |
| Galvanized . . . . .   | "     | 5 9               | 7 0   | 8 6   |       |         |       |       |       |
|  | Unit  | Size              |       |       |       |         |       |       |       |
|  |       | ½" × ½"           |       |       |       | 1" × ½" |       |       |       |
|  |       | s. d.             |       |       |       | s. d.   |       |       |       |
| Gutter bolts and nuts  |       |                   |       |       |       |         |       |       |       |
| Bright . . . . .   | Gross | 1 9               | 2 0   | 2 0   | 2 9   |         |       |       |       |
| Galvanized . . . . .   | "     | 2 6               | 2 9   |       |       |         |       |       |       |
|  | Unit  | 2"                |       | 2½"   |       | 4"      |       | 6"    |       |
|  |       | s. d.             | s. d. | s. d. | s. d. | s. d.   | s. d. | s. d. | s. d. |
| Domical gratings, galvanized wire .  | Doz.  | 15 0              | 15 0  | 18 0  | 21 0  | 21 0    |       |       |       |
| Balloon gratings, galvanized wire .  | "     | 15 0              | 15 0  | 18 0  | 21 0  | 21 0    |       |       |       |
| Straight roof-outlet, cast iron, with<br>lute for asphalt flat grating . . . | No.   | —                 | —     | 45 6  | 61 0  |         |       |       |       |

*N.B.—Mild steel rainwater goods are subject to the following additions: gutters plus 98%, pipes and fittings plus 108%.*

**Plumber, Including Gas and Hot Water Fitter, Zinc Worker, and Copper-Smith**

| Material  | Size of load          | Unit | Price        |                |               |
|---|-----------------------|------|--------------|----------------|---------------|
| <b>LEAD PIPES</b>   | 5 cwt. to under 1 ton |      | s.           | d.             |               |
| Lead pipe in coils, to B.S 602                              |                       | Cwt. | 132          | 0              |               |
| Soil pipe up to 4½" diameter                                |                       | "    | 135          | 0              |               |
| Lead alloy pipe to B.S.603                                  |                       | "    | 148          | 9              |               |
| Silver-Copper-Lead alloy pipe to B S 1085                   |                       | "    | 137          | 0              |               |
|   |                       |      | Diameter     |                |               |
|   |                       |      | ½"           | ¾"             | 1"            |
| <b>LEAD COMPRES-<br/>SION JOINTS</b>                        |                       |      | 6-7<br>lb.   | 8-9<br>lb.     | 11<br>lb.     |
| Coupling for connecting lead pipe to lead pipe              |                       |      | s. d.        | s. d.          | s. d.         |
| For pipes of weights per linear yard                        | No.                   |      | 5 9          | 7 9            | 10 9          |
|   |                       |      | 8-9<br>lb.   | 10-11<br>lb.   | 12-16<br>lb.  |
| For pipes of weights per linear yard                        |                       |      | s. d.        | s. d.          | s. d.         |
|   |                       |      | 6 0          | 8 0            | 11 0          |
|   |                       |      | 6-7<br>lb.   | 8-9<br>lb.     | 11<br>lb.     |
| Coupling for connecting lead pipe to iron pipe              |                       |      | s. d.        | s. d.          | s. d.         |
| For pipes of weights per linear yard                        |                       |      | 5 6          | 7 0            | 9 9           |
|   |                       |      | 8-9<br>lb.   | 10-11<br>lb.   | 12-16<br>lb.  |
| For pipes of weights per linear yard                        |                       |      | s. d.        | s. d.          | s. d.         |
|   |                       |      | 5 8          | 7 2            | 9 11          |
|   |                       |      | 1½"<br>6 lb. | 1½" x<br>6 lb. | 2" x<br>7 lb. |
| <b>TRAPS</b>  |                       |      | s. d.        | s. d.          | s. d.         |
| Drawn lead "P" trap with 1½" seal, and brass cleaning eye   |                       |      | 5 6          | 6 11           | 11 1          |
| As above with 2½" seal                                      |                       |      | 6 4          | 7 8            | 12 5          |
| As above with 3" seal                                       |                       |      | 6 9          | 8 3            | 13 0          |
| Drawn lead "S" trap with 1½" seal and brass cleaning eye    |                       |      | 6 9          | 8 4            | 13 8          |
| As above with 2½" seal                                      |                       |      | 8 0          | 9 8            | 15 8          |
| As above with 3" seal                                       |                       |      | 8 6          | 10 3           | 16 6          |
| Drawn lead "P" resealing trap with brass screw cleaning cap |                       |      | 16 6         | 18 0           | 29 0          |
| As above but "S" trap                                       |                       |      | 18 3         | 20 9           | 34 3          |

**Plumber, Including Gas and Hot Water Fitter,  
Zinc Worker, and Copper-Smith**

| Material  | Size of load | Unit | Price    |          |          |          |
|---|--------------|------|----------|----------|----------|----------|
|   |              |      | 1½" seal |          | 3" seal  |          |
|   |              |      | 1½" dia. | 1½" dia. | 1½" dia. | 1½" dia. |
| <b>TRAPS—continued</b>  |              |      |          |          |          |          |
| Brass "P" trap waste with chromium flange and rubber plug and plain tail . . . . .  |              | No.  | s. d.    | s. d.    | s. d.    | s. d.    |
| As above but "S" trap . . . . .   |              | "    | 11 2     | 13 3     | —        | 15 11    |
| Ferrous "P" trapped bath waste and chromium-plated flange and rubber plug with fine cast internal finish and plain tail, to B.S. 1291 . . . . . |              | "    |          | s. d.    |          | s. d.    |
| As above but with glass enamelled internal finish   |              | "    | 12 0     |          | 15 3     |          |
|   |              | "    | 19 6     |          | 24 0     |          |

| Material   | Size of load | Unit and price                |
|--|--------------|-------------------------------|
| <b>STEEL TUBES</b>                               |              | <i>As standard price-list</i> |
| Steel tubes and tubulars (½" to 4") to B.S.1387: |              |                               |
| Varnished or painted:                            |              |                               |
| Class A . . . . .                                |              | Less 47½%                     |
| Class B . . . . .                                |              | " 41%                         |
| Galvanized:                                      |              |                               |
| Class A . . . . .                                |              | " 24½%                        |
| Class B . . . . .                                |              | " 19%                         |
| Wrought fittings:                                |              |                               |
| Painted:   |              |                               |
| Light weight . . . . .                           |              | " 20½%                        |
| Heavy weight . . . . .                           |              | " 13%                         |
| Galvanized:                                      |              |                               |
| Light weight . . . . .                           |              | " 7½%                         |
| Heavy weight . . . . .                           |              | " 4%                          |
| Flanges, undrilled:                              |              |                               |
| Painted:   |              |                               |
| Light weight (Table D) . . . . .                 |              | " 9½%                         |
| Heavy weight (Table E) . . . . .                 |              | Plus 8½%                      |
| Galvanized:                                      |              |                               |
| Light weight (Table D) . . . . .                 |              | " 5½%                         |
| Heavy weight (Table E) . . . . .                 |              | " 23½%                        |
| Malleable fittings:                              |              |                               |
| Beaded or plain fittings . . . . .               |              | Less 50%                      |
| Beaded or plain fittings galvanized . . . . .    |              | " 50%                         |
|  |              | Plus 30%                      |

*N.B.—For Standard Price List see "Appendix".*

*NOTE.—The above prices are those which came into effect on 1st December 1948.*

**Plumber, Including Gas and Hot Water Fitter,  
Zinc Worker, and Copper-Smith**

| Material             | Size of load | Copper tubes to                              |                  |                    |                        |                  |                    |
|----------------------|--------------|--|------------------|--------------------|------------------------|------------------|--------------------|
|                      |              | B.S.659                                      |                  |                    | B.S.1386 (underground) |                  |                    |
|                      |              | Gauge  | Lb.              | Ft. run            | Gauge                  | Lb.              | Ft. run            |
| <b>COPPER TUBING</b> |              |  | <i>d.</i>        | <i>s. d.</i>       |                        | <i>d.</i>        | <i>s. d.</i>       |
| 1" diameter          | 3            | 22   | 51 $\frac{1}{8}$ | 0 3                |                        |                  |                    |
| 1 $\frac{1}{2}$ " "  | cwt.         | 20   | 39 $\frac{7}{8}$ | 0 5 $\frac{1}{2}$  | 18                     | 36 $\frac{1}{8}$ | 0 6 $\frac{1}{2}$  |
| 2" "                 |              | 20   | 36 $\frac{1}{2}$ | 0 7                | 18                     | 33 $\frac{1}{2}$ | 0 8 $\frac{1}{2}$  |
| 2 $\frac{1}{2}$ " "  | of           | 19   | 31 $\frac{1}{8}$ | 0 8 $\frac{1}{2}$  | 18                     | 31 $\frac{1}{2}$ | 0 11               |
| 3" "                 |              | 19   | 28 $\frac{3}{4}$ | 0 11 $\frac{1}{2}$ | 17                     | 27 $\frac{7}{8}$ | 1 3                |
| 4" "                 | any          | 18   | 26 $\frac{1}{2}$ | 1 4 $\frac{1}{2}$  | 16                     | 25 $\frac{3}{8}$ | 1 8 $\frac{1}{2}$  |
| 1 $\frac{1}{2}$ " "  |              | 18   | 26 $\frac{1}{2}$ | 1 8                | 16                     | 24 $\frac{7}{8}$ | 2 1                |
| 2" "                 | one          | 18   | 26 $\frac{1}{2}$ | 2 0                | 15                     | 24 $\frac{1}{2}$ | 2 8 $\frac{1}{2}$  |
| 2 $\frac{1}{2}$ " "  |              | 17   | 26 $\frac{1}{2}$ | 3 1 $\frac{1}{2}$  | 14                     | 24 $\frac{1}{8}$ | 4 0 $\frac{1}{2}$  |
| 3" "                 | line         | 17   | 27 $\frac{1}{8}$ | 4 0                | 13                     | 24 $\frac{7}{8}$ | 5 0 $\frac{1}{2}$  |
| 3 $\frac{1}{2}$ " "  |              | 16   | 27 $\frac{1}{2}$ | 5 5                | 12                     | 24 $\frac{1}{2}$ | 7 8 $\frac{1}{2}$  |
| 4" "                 |              | 15   | 27 $\frac{1}{2}$ | 7 1                | 11                     | 24 $\frac{1}{4}$ | 10 0 $\frac{1}{2}$ |
| 4 $\frac{1}{2}$ " "  |              | 14   | 28 $\frac{1}{8}$ | 9 4                | 10                     | 24 $\frac{1}{8}$ | 13 3 $\frac{1}{2}$ |
|                      |              | The following lighter weights for sanitation |                  |                    |                        |                  |                    |
| 2" diameter          |              | 18   | <i>d.</i>        | <i>s. d.</i>       |                        |                  |                    |
| 2 $\frac{1}{2}$ " "  |              | 18   | 27 $\frac{1}{8}$ | 2 9 $\frac{1}{2}$  |                        |                  |                    |
| 3" "                 |              | 17   | 28 $\frac{1}{2}$ | 3 7 $\frac{1}{2}$  |                        |                  |                    |
| 3 $\frac{1}{2}$ " "  |              | 17   | 27 $\frac{1}{8}$ | 4 9 $\frac{1}{2}$  |                        |                  |                    |
| 4" "                 |              | 17   | 29 $\frac{1}{8}$ | 6 0                |                        |                  |                    |
| 4 $\frac{1}{2}$ " "  |              | 16   | 29 $\frac{1}{8}$ | 7 10               |                        |                  |                    |



**Plumber, Including Gas and Hot Water Fitter, Zinc Worker, and Copper-Smith**

| Material   | Size of load | Unit      | Price |       |       |       |        |        |     |    |
|--|--------------|-----------|-------|-------|-------|-------|--------|--------|-----|----|
|  |              |           | ½"    | ¾"    | 1'    | 1½"   | 1¾"    | 2'     | 2½" | 3" |
| <b>FITTINGS FOR COPPER TUBES—contd.</b>                  |              |           |       |       |       |       |        |        |     |    |
| <b>CAPILLARY SOLDER TYPE.</b>                            |              |           |       |       |       |       |        |        |     |    |
| Straight coupling:                                       |              |           |       |       |       |       |        |        |     |    |
| Copper to copper   |              | Per dozen | 12 3  | 17 1½ | 26 11 | 35 6  | 47 9   | 68 6½  |     |    |
| Copper to iron   |              | "         | 15 11 | 23 3  | 28 2  | 39 2  | 52 7½  | 72 2½  |     |    |
| Reducing coupling, copper to copper (large end measured) |              | "         | 12 3  | 17 1½ | 26 11 | 35 6  | 67 9   | 68 6½  |     |    |
| Bend, copper to copper                                   |              | "         | 31 10 | 39 2  | 56 3½ | 77 1½ | 121 2  | 170 1½ |     |    |
| Tee, equal or reducing (largest branch measured)         |              | "         | 29 4½ | 34 3  | 55 1  | 80 9½ | 115 0½ | 170 1½ |     |    |
| Flanged connector to tank                                |              | "         | 18 4½ | 26 11 | 35 6  | 45 3½ | 66 1   | 89 4   |     |    |
| <b>BRASSWORK</b>   |              |           |       |       |       |       |        |        |     |    |
| Plumber's Union lead to iron:                            |              | No        | 1 6   | 2 6   | 3 0   | 4 8   | 5 6    | 11 3   |     |    |
| Light  |              | "         | 2 6   | 3 6   | 5 6   | 5 9   | 6 3    | 17 9   |     |    |
| Heavy  |              | "         | 0 11  | 1 2   | 2 0   | 4 3   | 6 0    | 9 9    |     |    |
| Boiler screw with single nut                             |              | "         | 1½"   | 2'    | 2½"   | 3"    | 3½"    | 4"     |     |    |
| Ferrules or sleeves                                      |              | "         | s. d. | s. d. | s. d. | s. d. | s. d.  | s. d.  |     |    |
| Thimble or socket  |              | "         | 2 1   | 2 7   | 3 6   | 4 9   | 6 0    | 6 10   |     |    |
|  |              | "         | 2 5   | 3 0   | 3 10  | 4 11  | 6 2    | 6 5    |     |    |



**Plumber, Including Gas and Hot Water Fitter, Zinc Worker, and Copper-Smith**

| Material   | Size of load | Unit | Price    |    |          |    |          |    |          |    |          |    |     |    |
|--|--------------|------|----------|----|----------|----|----------|----|----------|----|----------|----|-----|----|
|  |              |      | ½"       |    | ¾"       |    | 1"       |    | 1¼"      |    | 1½"      |    | 2"  |    |
|  |              |      | s.       | d. | s.       | d. | s.       | d. | s.       | d. | s.       | d. | s.  | d. |
| <b>BRASSWORK—continued</b>   |              |      |          |    |          |    |          |    |          |    |          |    |     |    |
| Screw down stop cock for iron, to M.O.H. pattern . . .   |              | No.  | 4        | 6  | 6        | 9  | 12       | 0  | 21       | 8  | 36       | 9  | 52  | 6  |
| As above, with double union for lead . . . . .   |              | "    | 6        | 9  | 10       | 3  | 19       | 0  | 27       | 6  | 44       | 11 | 72  | 4  |
| High-pressure "Croydon" type ballvalve, M.O.H. quality with copper ball, screwed iron . . . . .    |              | "    | 7        | 1  | 15       | 2  | 21       | 3  | 39       | 9  | 50       | 8  | 88  | 6  |
| As above with fly nut and union . . . . .  |              | "    | 7        | 10 | 16       | 8  | 23       | 6  | 44       | 3  | 56       | 4  | 103 | 6  |
| High-pressure "Portsmouth" type ballvalve, M.O.H. quality with copper ball, screwed iron . . . . . |              | "    | 6        | 7  | 12       | 5  | 21       | 3  | 51       | 0  | 64       | 0  | 119 | 3  |
| As above but low pressure . . . . .  |              | "    | 7        | 4  | 13       | 8  | 23       | 6  | 55       | 5  | 69       | 9  | 135 | 0  |
| As above with fly nut and union . . . . .  |              | "    | 8        | 7  | 15       | 5  | 25       | 0  | 55       | 6  | 69       | 9  | 135 | 0  |
| Brass bibcock to M.O.H. pattern, screwed iron . . . . .  |              | "    | 5        | 3  | 8        | 3  | 14       | 6  | —        | —  | —        | —  | —   | —  |
| As above with screwed boss . . . . .   |              | "    | 6        | 0  | 9        | 0  | 16       | 0  | —        | —  | —        | —  | —   | —  |
| Chromium plated easy-clean bibcock to M.O.H. pattern, screwed iron . . . . .                       |              | "    | 8        | 3  | 12       | 6  | —        | —  | —        | —  | —        | —  | —   | —  |
| As above with screwed boss . . . . .   |              | "    | 9        | 0  | 13       | 6  | —        | —  | —        | —  | —        | —  | —   | —  |
| Brass hose-union bibcock to M.O.H. pattern, screwed iron . . . . .                                 |              | "    | 7        | 0  | 10       | 3  | 0        | 5½ | 0        | 6½ | 0        | 8  | 1   | €  |
| Copper flaps and lining . . . . .  |              | "    | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —   | —  |
|  |              |      | 12" long |    | 15" long |    | 18" long |    | 20" long |    | 20" long |    |     |    |
| Chromium-plated chaun and stay . . . . .   |              |      | s.       | d. | s.       | d. | s.       | d. | s.       | d. | s.       | d. | s.  | d. |
|  |              |      | 1        | 0  | 1        | 3  | 1        | 6  | 1        | 6  | 1        | 9  | 1   | 9  |

**Plumber, Including Gas and Hot Water Fitter, Zinc Worker, and Copper-Smith**

| Material  | Size of load | Unit | B.S. size No. | Nominal capacity in gals. | Price            |
|---|--------------|------|---------------|---------------------------|------------------|
|   |              |      |               |                           | <i>s. d.</i>     |
| <b>CISTERNs, TANKs, AND CYLINDERS</b>   |              |      |               |                           |                  |
| Galvanized mild steel cistern, to B.S.417, Grade A . . . . .  |              | No.  | 1.8           | 62                        | 90 0             |
| "    "    "    "  |              | "    | 1.11          | 100                       | 116 0            |
| "    "    "    "  |              | "    | 1.14          | 250                       | 283 2            |
| "    "    "    "  |              | "    | 1.16          | 500                       | 522 7            |
| "    "    "    "  |              | "    | 1.18          | 1000                      | 1160 11          |
| Galvanized mild steel tank, to B.S.417, Grade A . . . . .   |              | "    | 2.1           | 20                        | 116 0            |
| "    "    "    "  |              | "    | 2.4           | 30                        | 134 0            |
| "    "    "    "  |              | "    | 2.6           | 40                        | 164 3            |
| "    "    "    "  |              | "    | 2.8           | 60                        | 327 7            |
| Galvanized mild steel cylinder, to B.S.417, Grade C for "barrels in all cases" with ends dished outwards, welded construction . . . . . |              | "    | 3.1           | 23                        | 113 3            |
| "    "    "    "  |              | "    | 3.2           | 28                        | 119 3            |
| "    "    "    "  |              | "    | 3.3           | 33                        | 121 10           |
| "    "    "    "  |              | "    | 3.5           | 58                        | 176 1            |
| Copper cylinder to B.S. 699, Grade 3 for "barrels in all cases" with ends dished outwards . . . . .                                     |              | "    | 1             | 20                        | 73 6             |
| "    "    "    "  |              | "    | 2             | 25                        | 84 6             |
| "    "    "    "  |              | "    | 3             | 30                        | 98 0             |
| "    "    "    "  |              | "    | 4             | 40                        | 107 6            |
| Welded galvanized steel calorifier, $\frac{1}{2}$ " plate, with five tappings for connections . . . . .                                 |              | "    |               | 27 $\frac{1}{2}$          | 178 9            |
| "    "    "    "  |              | "    |               | 35                        | 206 10           |
| "    "    "    "  |              | "    |               | 50                        | 257 0            |
| "    "    "    "  |              | "    |               | 80                        | 367 9            |
| "    "    "    "  |              | "    |               | 150                       | 608 6            |
|   |              |      | Gauge         |                           |                  |
|   |              |      | Body          | Ends                      |                  |
| Copper calorifier to B.S. 853, with five tappings for connections . . . . .   |              | "    | 20            | 18                        | 27 $\frac{1}{2}$ |
| "    "    "    "  |              | "    | 20            | 18                        | 212 9            |
| "    "    "    "  |              | "    | 18            | 16                        | 247 6            |
| "    "    "    "  |              | "    | 18            | 16                        | 50               |
| "    "    "    "  |              | "    | 16            | 14                        | 406 0            |
| "    "    "    "  |              | "    | 16            | 14                        | 80               |
| "    "    "    "  |              | "    | 14            | 12                        | 792 0            |
|   |              |      |               |                           | 150              |
|   |              |      |               |                           | 1590 0           |

**Plumber, Including Gas and Hot Water Fitter,  
Zinc Worker, and Copper-Smith**

*The Prices for Sanitary Goods are subject to trade discounts.*

| Description   | Size of<br>load | Unit | Price                   |
|---|-----------------|------|-------------------------|
| <b>SINKS AND WASH<br/>TUBS</b>  |                 |      | <b>£ s. d.</b>          |
| Fireclay reversible sink, white glazed inside and out, to B.S.1206:   |                 |      |                         |
| Type "a", 24" × 18" × 10" deep over all . . . . .   |                 | No.  | 2 16 10                 |
| Type "b", 30" × 21" × 10" deep over all, with back shelf . . .  |                 | ..   | 6 4 2                   |
|   |                 |      | Stain-<br>less<br>steel |
|   |                 | ..   | £ s. d.                 |
| Combined metal sink and drainer, to B.S.1244, type "c", 42" × 18" × 8½" deep over all . . . . .   |                 | ..   | 14 12 6                 |
| Combined metal sink, draining-board and work slab, 63" × 18" × 8½" deep over all . . . . .  |                 | ..   | 22 0 0                  |
| Fireclay wash-tub, white glazed inside and out, without shelf, to B.S.1229, type "a", 24" × 21" × 15" deep over all . . . . .   |                 | ..   | 6 16 0                  |
| Fireclay wash-tub and sink set, composed of two pieces, without shelf, white glazed inside and out, to B.S. 1229, type "c", 24" × 21" × 15" and 24" × 21" × 10" deep over all . . . . . |                 | Set  | 8 18 1                  |
| As above but in one piece, to B.S.1229, type "e" . . . . .  |                 | No.  | 10 5 8                  |

**Plumber, Including Gas and Hot Water Fitter, Zinc Worker, and Copper-Smith**

| Material   | Size of load | Unit | Earthen-ware | Fire-clay | Vitreous China |
|--|--------------|------|--------------|-----------|----------------|
|  |              |      | £ s. d.      | £ s. d.   | £ s. d.        |
| <b>LAVATORY BASINS AND DRINKING FOUNTAINS</b>  |              |      |              |           |                |
| Lavatory basin, white glazed, to B.S.1188, with pair $\frac{1}{4}$ " chromium-plated easy-clean pillar taps to B.S.1010 and white porcelain-enamelled towel-rail brackets: $1\frac{1}{4}$ " chromium plated waste with plug and chain, stay, and union:                        |              |      |              |           |                |
| 22" x 16" .....  | No           |      | 3 3 7        | 3 17 7    | 3 8 0          |
| 25" x 18" .....  | "            |      | 3 17 0       | 5 3 7     | 4 5 5          |
| 25" x 18", with white glazed pedestal .....  | "            |      | 5 4 0        | 6 18 10   | 5 19 10        |
| Range of four white glazed heavy fireclay basins, 24" x 18" each, with overlap joints, $\frac{1}{4}$ " chromium-plated easy-clean pillar taps to B.S.1010, painted cast-iron brackets, and $1\frac{1}{4}$ " chromium-plated wastes with plugs, chains, stays, and unions ..... |              |      |              |           |                |
| Extra for each additional basin .....  | "            |      | —            | 23 9 4    | —              |
| Circular island wash-fountain, 42" diameter, in white glazed fireclay, with chromium-plated fittings comprising central column with umbrella spray head, column mount and brackets and four glass soap containers, with waste union, inlet union, and mixing valve..           |              |      |              |           |                |
| Drinking fountain in white glazed heavy fireclay, with front jet with chromium-plated fittings controlled by press-action self-closing valve with regulating valve and outlet grating and integral fireclay corbels to build into wall.....                                    | "            |      | —            | 67 13 5   | —              |
|  | "            |      | —            | 7 9 3     | —              |

**Plumber, Including Gas and Hot Water Fitter,  
Zinc Worker, and Copper-Smith**

| Material  | Size of load | Unit | 66" long |        | 72" long |        |
|---|--------------|------|----------|--------|----------|--------|
|   |              |      | £ s. d.  |        | £ s. d.  |        |
| <b>BATHS, BATH PANELS, AND SHOWERS</b>  |              |      |          |        |          |        |
| Tub pattern, cast-iron, white porcelain-enamelled bath to B.S.1189, with fixed feet, chromium-plated overflow to B.S. 1184, $\frac{1}{2}$ " chromium-plated pillar taps to B.S.1010, and $1\frac{1}{2}$ " chromium-plated plug and waste with brass trap .....                    |              | No.  | 10       | 16 2   | 12       | 4 7    |
| Rectangular pattern, cast-iron, white porcelain-enamelled bath to B.S.1189, with adjustable feet, chromium-plated overflow to B.S.1184, $\frac{1}{2}$ " chromium-plated pillar taps to B.S.1010 and $1\frac{1}{2}$ " chromium-plated plug and waste with brass trap.....          |              | "    | 12       | 4 7    | 14       | 14 3   |
| Tub pattern, white vitreous-enamelled sheet steel bath to B.S.1390, Fig. 2, with fixed feet and chromium-plated overflow to B.S.1184, $\frac{1}{2}$ " chromium-plated pillar taps to B.S.1010 and $1\frac{1}{2}$ " chromium-plated plug and waste with brass trap.....            |              | "    | —        | —      | —        | —      |
| Rectangular pattern white vitreous-enamelled sheet steel bath to B.S.1390, Fig. 1, with adjustable feet and chromium-plated overflow to B.S. 1184, $\frac{1}{2}$ " chromium-plated pillar taps to B.S. 1010, and $1\frac{1}{2}$ " chromium-plated plug and waste with brass trap. |              | "    | —        | —      | —        | —      |
|   |              |      | 66" bath |        | 72" bath |        |
|   |              |      | Side     | End    | Side     | End    |
| Pressed steel panel to B.S.1189:  |              |      | s. d.    | s. d.  | s. d.    | s. d.  |
| White porcelain-enamelled....   |              | "    | —        | —      | —        | —      |
| Sprayed enamelled .....   |              | "    | 45       | 0 16 0 | 45       | 0 16 0 |
| Enamelled slate panels in standard colours .....  |              | "    | —        | —      | —        | —      |
| Chromium-plated angle strips ..   |              | "    | 14       | 5 14 5 | 14       | 5 14 5 |
| Chromium-plated shower fitting, comprising:   |              |      | £ s. d.  |        |          |        |
| $\frac{1}{2}$ " mixing valve, swanneck riser, 4" shower rose, 3' 0" chromium-plated rod with brackets, 3' 6" x 5' 6" shower curtain, and eight chromium-plated hooks.....   |              | "    | 14       | 16 0   |          |        |
| 30" x 30" x 7" white glazed fire-clay tray with open weir overflow waste fitting and union.   |              | "    | 6        | 6 8    |          |        |

**Plumber, Including Gas and Hot Water Fitter,  
Zinc Worker, and Copper-Smith**

| Material   | Size of load | Unit | Price   |         |
|--|--------------|------|---------|---------|
| <b>W.C. SUITES</b>   |              |      | £       | s. d.   |
| W.C. pan, white glazed inside and out, with "P" or "S" trap, to B.S.1213:  |              |      |         |         |
| Earthenware .....  |              | No.  | 1 10 0  |         |
| Fireclay .....   |              | "    | 2 5 3   |         |
| Heavy earthenware .....  |              | "    | 1 12 5  |         |
| Vitreous china .....   |              | "    | 1 14 7  |         |
|  |              |      | Single  | Double  |
| <b>W.C. seats:</b>   |              |      | £       | s. d.   |
| Black plastic, to B.S.1254 ....  |              | "    | 1 0 10  | 1 16 10 |
| Polished imitation mahogany, standard pattern:   |              |      |         |         |
| 1" thick .....   |              | "    | 1 4 0   | 1 18 5  |
| 1½" " .....  |              | "    | 1 4 0   | 1 18 5  |
| Polished mahogany, standard pattern, 1½" thick .....   |              | "    | 1 10 5  | 2 8 0   |
| Two-gallon flushing cistern to B.S.1125: .....   |              |      | £       | s. d.   |
| High-level type (with china pull):   |              |      |         |         |
| Painted cast-iron cistern and brackets, and chromium-plated chain .....  |              | "    | 4 4 0   |         |
| Galvanized pressed-steel cistern, galvanized brackets, and brass chain .....   |              | "    | 2 12 10 |         |
| Cistern, white porcelain-enamelled, on outside only, white porcelain-enamelled brackets and chromium-plated chain .....                          |              | "    | 5 5 7   |         |
| White earthenware cistern, white porcelain-enamelled brackets and chromium-plated chain .....  |              | "    | 5 12 0  |         |
| Low-level type (with chromium-plated lever handle and white porcelain-enamelled steel or chromium-plated flush pipe and inlet connector to pan): |              |      |         |         |
| Cistern, white porcelain-enamelled on outside only, with white porcelain-enamelled brackets .....  |              | "    | 6 6 1   |         |
| White earthenware cistern with white porcelain-enamelled brackets .....  |              | "    | 6 4 2   |         |

**Plumber, Including Gas and Hot Water Fitter,  
Zinc Worker, and Copper-Smith**

| Material  | Size of load | Unit | Price        |          |           |          |
|---|--------------|------|--------------|----------|-----------|----------|
|   |              |      | High level   |          |           |          |
|   |              |      | Back to wall |          | Side wall |          |
| <b>W.C. SUITES—continued</b>  |              |      |              |          |           |          |
| Flush pipe to B.S.1125, with pre-fabricated connector to pan and flush pipe:  |              |      | 1½" dia.     | 1½" dia. | 1½" dia.  | 1½" dia. |
| Galvanized steel pipe with polished brass pipe clip . . . .   |              | No.  | s. d.        | s. d.    | s. d.     | s. d.    |
| White porcelain-enamelled pipe with chromium-plated clip.   |              | ..   | 9 7          | 9 7      | 14 0      | 14 0     |
| Chromium-plated copper pipe and clip . . . . .  |              | ..   | 52 10        | 52 10    | 80 2      | 80       |
| Slop hopper with pedestal, in white glazed fireclay, 17" × 18", with "P" or "S" trap comprising hardwood pad on rim, chromium-plated hinged bucket grating, white glazed porcelain-enamelled cast-iron 2-gallon flushing cistern with brackets, chromium-plated chain and china pull, 1½" white porcelain-enamelled steel flush pipe, for bracket wall fixing . . . . . |              | ..   | £            | s. d.    |           |          |
|   |              |      | 20           | 17       | 9         |          |

| Material   | Size of load | Unit | Price |    |   |
|--|--------------|------|-------|----|---|
|  |              |      | £     | s  | d |
| <b>URINALS</b>   |              |      |       |    |   |
| Urinal range in white glazed fireclay, comprising three stalls approximately 6' 3" long and 3' 6" high to top of stalls, by 2' 0" wide, with back, sole and accessible channel in one piece, 6" high divisions and ends, 6" loose fluted treads, white glazed fireclay automatic flushing cistern and brackets, chromium-plated supply pipe and spreaders, and domed grating . . . . . |              | No.  | 69    | 12 | 2 |
| <i>Extra for each additional stall . . . . .</i>   |              | ..   | 21    | 10 | 4 |
| Urinal range in white glazed fireclay comprising 6' 0" run, 3' 6" back slabs, two 12" returned ends glazed one side, 6" block channel with chromium-plated domed grating, white glazed fireclay automatic flushing cistern and brackets, chromium-plated supply and perforated sparge pipes with necessary clips . . . . .   |              | ..   | 42    | 2  | 3 |
| <i>Extra for each additional 2' 0" length..</i>  |              | ..   | 10    | 8  | 3 |

**Plumber, Including Gas and Hot Water Fitter,  
Zinc Worker, and Copper-Smith**

| Material   | Size of load | Unit    | Price   |
|--|--------------|---------|---------|
|  |              |         | £ s d.  |
| <b>BOILERS, ETC.</b>   |              |         |         |
| Open-fire domestic boiler to B.S.758, providing continuous direct domestic hot-water supply with 2 <sup>0</sup> sq. ft. of heating surface, with mottled grey vitreous enamelled side jackets and base-plate, draw-off cock, shaking grating and stoking tools ..... |              | No      | 8 6 9   |
| <i>Extra for bower-barffed rustless firepot</i>  |              | ..      | 2 0 0   |
| <i>As above but with 2½ sq. ft. of heating surface ..</i>  |              | ..      | 12 1 6  |
| <i>Extra for bower-barffed rustless firepot</i>  |              | ..      | 2 9 6   |
| <i>As above but with 4 sq. ft. of heating surface ..</i>   |              | ..      | 18 3 6  |
| <i>Extra for bower-barffed rustless firepot</i>  |              | ..      | 3 14 9  |
| <i>* Price is for 2½ sq. ft. of heating surface.</i>   |              |         |         |
| Mottled grey vitreous smoke-pipe, to B S 41:   |              |         |         |
| 4" .....   |              | Yd. run | 0 15 4  |
| 4½" .....  |              | ..      | 0 17 0  |
| Bend with soot door:   |              |         |         |
| 4" .....   |              | No.     | 0 14 10 |
| 4½" .....  |              | ..      | 0 17 1  |
| Gunmetal dead weight safety valve with loose weights:  |              |         |         |
| ½" .....   |              | ..      | 0 16 11 |
| Gunmetal spring safety valve with lock-nut   |              |         |         |
| ½" .....   |              | ..      | 0 7 9   |
| ¾" .....   |              | ..      | 0 7 4   |
| <b>RADIATORS</b>   |              |         |         |
| Four-column cast-iron radiator, 24" high, with air-valve:  |              |         |         |
| Heating surface (about):   |              |         |         |
| 20 sq. ft.....   |              | ..      | 2 9 1   |
| 24 ..  |              | ..      | 3 0 0   |
| 31 ..  |              | ..      | 3 16 5  |
| 36 ..  |              | ..      | 4 8 9   |



**Plumber, Including Gas and Hot Water Fitter,  
Zinc Worker, and Copper-Smith**

*For tubes and fittings see also "Steel Tubes".*

| Material   | Size of load | Unit | Price           |                 |              |
|--|--------------|------|-----------------|-----------------|--------------|
|  |              |      | $\frac{1}{2}$ " | $\frac{3}{4}$ " | 1"           |
| <b>GAS FITTINGS</b>  |              |      | <i>s. d.</i>    | <i>s. d.</i>    | <i>s. d.</i> |
| Brass main-cock .....  |              | No.  | 5 4             | 7 1             | 9 9          |
| $\frac{1}{2}$ " brass drop fan union cock with cap and lining .....  |              |      | <i>s. d.</i>    |                 |              |
| <i>Extra for:</i>  |              |      | 4 8             |                 |              |
| Wing nut fitting .....   |              | "    |                 | 0 $\frac{1}{2}$ |              |
| Nozzle fitting .....   |              | "    |                 | 5 $\frac{1}{2}$ |              |
| $\frac{1}{2}$ " brass rigid fan union cock .....   |              | "    |                 | 2 6             |              |
| $\frac{1}{2}$ " nominal bore flexible armoured rubber tube 3' 0" long fitted with $\frac{1}{2}$ " brass connection ..... |              | "    |                 | 9 5             |              |
| Flexible plug socket, standard type to B.S.570 .....   |              | "    |                 | 15 0            |              |
| <i>As above</i> but pedestal type .....  |              | "    |                 | 16 3            |              |
| <i>As above</i> but pedestal type with stem cock .....   |              | "    |                 | 21 0            |              |
| <i>As above</i> but flush fitting type...  |              | "    |                 | 18 9            |              |
| <b>LEAD-COMPO PIPE</b>   |              |      |                 |                 |              |
| Lead-compo pipe for gas and other purposes, $\frac{1}{2}$ " and up, tinned outside only .....                            |              | Cwt. | £               | <i>s. d.</i>    |              |
| <i>Extra for:</i>  |              |      | 7 1             | 9               |              |
| $\frac{1}{2}$ " and under .....  |              | "    | 0 18            | 3               |              |
| Over $\frac{1}{2}$ " and under $\frac{3}{4}$ " .....   |              | "    | 0 14            | 3               |              |

| Material   | Size of load | Unit | Price          |
|--|--------------|------|----------------|
| <b>DOMESTIC GAS APPLIANCES</b>   |              |      | £ <i>s. d.</i> |
| Sink geyser, white porcelain-enamelled, with chromium-plated metal parts, to B.S.1250, Part 1, Class 2a .....  |              | No.  | 10 10 4        |
| Bath geyser, <i>as above</i> , but Class 3a .....  |              | "    | 15 9 1         |
| Multi-point geyser, <i>as above</i> , but Class 4a .....   |              | "    | 26 14 4        |
| Gas appliances in accordance with B.S.1250:  |              |      |                |
| Vertical gas cooker with 3 boiling burners and 1 grill burner, height over hot-plate 36", overall width 21 $\frac{1}{2}$ ", depth 22 $\frac{1}{2}$ ", porcelain-enamelled finish ..... |              | "    | 27 7 11        |

**Plumber, Including Gas and Hot Water Fitter,  
Zinc Worker, and Copper-Smith**

| Material   | Size of load        | Unit        | Price    |
|--|---------------------|-------------|----------|
|  |                     |             | £ s. d.  |
| <b>DOMESTIC GAS APPLI-<br/>ANCES—continued</b>   |                     |             |          |
| Gas appliances in accordance with B.S.1250:— <i>continued</i>  |                     |             |          |
| Vertical gas cooker with 4 boiling burners and 1 grill burner, height over hot-plate 37", width of hot-plate 20", depth 18½", vitreous-enamelled finish..... |                     | "           | 17 14 11 |
| Wash boiler with draw-off tap, 8 gals. capacity.....   |                     | "           | 5 17 0   |
| Wash boiler (square pattern), with porcelain-enamelled side panels and draw-off cock, 10 gals. capacity....  |                     | "           | 8 10 0   |
| Silent-beam build-in model gas-fire, size approximately 17" wide by 23" high, hammered copper surround plaque.....   |                     | "           | 8 13 8   |
| High-beam build-in model 5 radiant size gas-fire, overall size 17" wide by 23" high, with hammered copper surround plaque.....                               |                     | "           | 6 19 2   |
| Silent-beam gas fire, 18" wide by 26" high, finished in approved colour....  |                     | "           | 10 0 0   |
| High-beam 7 radiant gas fire, 18" wide by 26" high, finished in approved colour.....   |                     | "           | 9 16 5   |
| Gas poker with 3' 0" length of flexible metallic tubing and plug gas connector   |                     | "           | 1 1 9    |
| <b>ZINC AND COPPER SHEET-<br/>ING</b>  |                     |             |          |
| Zinc sheets to B.S.849, 10-14 gauge.....   | 5-ton lots ex works | Ton         | 104 2 6  |
| Copper sheets to B.S.899:  | 1 ton and over      | "           | 205 10 0 |
| 23 S.W.G.....  | "                   | "           | 208 10 0 |
| 24 S.W.G.....  | "                   | "           |          |
| <b>INSULATING MATERIALS</b>  |                     |             |          |
| Slag wool.....   |                     | Cwt.        | 1 4 0    |
| Canvas-backed hair felt:   |                     | 24 ft. roll |          |
| 16 oz.....   |                     | "           | 0 7 4    |
| 24 oz.....   |                     | "           | 0 9 3    |
| 32 oz.....   |                     | "           | 0 11 3   |
| "Ready to fit" thermal insulating jackets to B.S.1304, for:  |                     |             |          |
| Copper cylinders (to B.S. 699):  |                     | No.         |          |
| Size No. 1, Nominal Capacity 20 gal.   |                     |             |          |
| " 2 " " 25 "   |                     | "           | 4 7 9    |
| " 3 " " 30 "   |                     | "           | 5 14 9   |
| " 4 " " 40 "   |                     | "           | 7 4 0    |
|  |                     | "           | 8 8 9    |

**Plumber, Including Gas and Hot Water Fitter,  
Zinc Worker, and Copper-Smith**

| Material   | Size of load | Unit | Price          |   |         |
|--|--------------|------|----------------|---|---------|
| <b>INSULATING MATERIALS—</b>   |              |      | <b>£ s. d.</b> |   |         |
| <i>continued</i>   |              |      |                |   |         |
| "Ready to fit" thermal insulating jackets to B.S.1304, for— <i>continued</i>   |              |      |                |   |         |
| Mild steel cylinders (to B.S.417):   |              |      |                |   |         |
| Size No. 3 1, Nominal Capacity 23 gal.   |              |      |                |   |         |
| "  | 3 2          | "    | "              | 4 | 19 0    |
| "  | 3 3          | "    | "              | 5 | 13 3    |
| "  | 3 4          | "    | "              | 7 | 4 0     |
| "  | 3 4          | "    | "              | 8 | 8 9     |
| Mild steel tanks (to B.S.417):   |              |      |                |   |         |
| Size No. 2 1, Nominal Capacity 20 gal.   |              |      |                |   |         |
| "  | 2 2          | "    | "              | 1 | 11 6    |
| "  | 2 3          | "    | "              | 1 | 16 0    |
| "  | 2 4          | "    | "              | 1 | 18 3    |
| "  | 2 5          | "    | "              | 2 | 0 6     |
| "  | 2 6          | "    | "              | 2 | 5 0     |
| "  | 2 6          | "    | "              | 2 | 7 3     |
| Mild steel cisterns:   |              |      |                |   |         |
| Size No. 1 6, Nominal Capacity 40 gal.   |              |      |                |   |         |
| "  | 1 7          | "    | "              | 2 | 7 3     |
| "  | 1 8          | "    | "              | 2 | 16 3    |
| "  | 1 9          | "    | "              | 3 | 3 0     |
| "  | 1 10         | "    | "              | 3 | 7 6     |
| "  | 1 10         | "    | "              | 3 | 12 0    |
| "  | 1 11         | "    | "              | 3 | 7 9     |
| "Econite" class "S" sectional insulation in standard 3 ft. lengths, finished with white canvas sheeting, with non-corrodible staples for fixing: |              |      |                |   |         |
| Diameter of pipes:   |              |      | Ft. run        |   |         |
| 1/2"   | .....        |      | 0              | 1 | 6       |
| 3/4"   | .....        |      | 0              | 1 | 7 1/2   |
| 1"   | .....        |      | 0              | 1 | 9       |
| 1 1/4"   | .....        |      | 0              | 1 | 11      |
| 1 1/2"   | .....        |      | 0              | 2 | 0 1/2   |
| 2"   | .....        |      | 0              | 2 | 3 1/2   |
| Extra for weatherproofing the above  |              |      |                |   |         |
| Up to 1 1/4" diameter . . . . .  |              |      | "              | 0 | 0 4 1/2 |
| 1 1/2" . . . . .   |              |      | "              | 0 | 0 5     |
| 2" . . . . .   |              |      | "              | 0 | 0 5 1/2 |

| Material                          | Size of load | Unit | Price    |          |
|-----------------------------------|--------------|------|----------|----------|
| <b>DRAINING-BOARDS</b>            |              |      | 18" wide | 21" wide |
| Wood draining-board to B.S. 1226: |              |      | s. d.    | s. d.    |
| 24" long:                         |              |      | No.      |          |
| Yellow birch . . . . .            |              | "    | 19 6     | 22 9     |
| Beech . . . . .                   |              | "    | 19 6     | 22 9     |
| Iroko . . . . .                   |              | "    | 22 6     | 26 3     |
| 36" long:                         |              |      |          |          |
| Yellow birch . . . . .            |              | "    | 29 3     | 34 1 1/2 |
| Beech . . . . .                   |              | "    | 29 3     | 34 1 1/2 |
| Iroko . . . . .                   |              | "    | 33 9     | 39 1 1/2 |

**Plumber, Including Gas and Hot Water Fitter, Zinc Worker, and Copper-Smith**

| Material  | Size of load | Unit    | Price            |       |       |       |       |       |       |       |       |       |       |  |
|---|--------------|---------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
|   |              |         | Diameter of pipe |       |       |       |       |       |       |       |       |       |       |  |
|   |              |         | 2"               | 2½"   | 3"    | 3½"   | 4"    | 4½"   | 5"    | 6"    |       |       |       |  |
|   |              |         | s. d.            | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. |  |
| <b>ASBESTOS-CEMENT FLUE PIPES</b>                                       |              |         |                  |       |       |       |       |       |       |       |       |       |       |  |
| Asbestos-cement, high quality, socketted flue pipe to B.S.567 (Fig. 1)  |              | Ft. run | 0 8              | 0 10  | 0 11½ | 1 1½  | 1 3½  | 1 6½  | 1 9½  | 2 3½  |       |       |       |  |
| Square and obtuse short-arm bends (Fig. 2)                              |              | No.     | 1 6½             | 1 11  | 2 3½  | 2 8½  | 3 1   | 3 5½  | 3 10  | 4 7½  |       |       |       |  |
| Square and obtuse equal tees (Fig. 5)                                   |              | "       | 1 6½             | 1 11  | 2 3½  | 2 8½  | 3 1   | 3 5½  | 3 10  | 4 7½  |       |       |       |  |
| Square and obtuse unequal tees (Fig. 6)                                 |              | "       | 0 11½            | 1 2½  | 1 5½  | 1 8   | 1 11  | 2 3½  | 2 8½  | 3 5½  |       |       |       |  |
| Loose socket (Fig. 9)   |              | "       | 2 3½             | 2 8½  | 3 1   | 3 5½  | 3 10  | 4 2½  | 4 7½  | 5 4   |       |       |       |  |
| Cone cap terminal   |              | "       | 10 2             | 10 2  | 10 5½ | 11 1½ | 12 0½ | 13 0  | 14 8  | 17 1½ |       |       |       |  |
| Ventile terminal  |              | "       | 3"               | 3½"   | 4"    | 5"    | 6"    | 9"    | 12"   |       |       |       |       |  |
|   |              |         | s. d.            | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. |  |
| Asbestos-cement, heavy quality, socketted flue pipe to B.S.835 (Fig. 1) |              | Ft. run | 1 2              | 1 5   | 1 7½  | 2 3   | 2 10½ | 5 1½  | 6 9½  |       |       |       |       |  |
| Square and obtuse short-arm bends (Fig. 2)                              |              | No.     | 2 10             | 3 5   | 3 10  | 4 9½  | 5 9   | 15 3  | 20 3½ |       |       |       |       |  |
| Square and obtuse equal tees (Fig. 3)                                   |              | "       | 2 10             | 3 5   | 3 10  | 4 9½  | 5 9   | 15 3  | 20 3½ |       |       |       |       |  |
| Square and obtuse unequal tees (Fig. 4)                                 |              | "       | 1 10             | 2 0   | 2 5   | 3 5   | 4 3½  | 7 6   | 13 1½ |       |       |       |       |  |
| Loose sockets (Fig. 7)  |              | "       | 2 5              | 2 5   | 2 5   | 3 2½  | 4 3   | 5 1   |       |       |       |       |       |  |
| Cleaning doors (Fig. 11)  |              | "       | 6 3              | 7 1   | 8 4½  | 9 11½ | 10 9½ |       |       |       |       |       |       |  |
| Terminals   |              | "       |                  |       |       |       |       |       |       |       |       |       |       |  |

*N.B.—The above prices are subject to a trade discount of 10%.*

**Plumber, Including Gas and Hot Water Fitter,  
Zinc Worker, and Copper-Smith**

| Material  | Size of load    | Unit      | Price             |
|---|-----------------|-----------|-------------------|
| <b>SUNDRY MATERIALS</b>                         |                 |           | <i>s. d.</i>      |
| Plumbers' solder .....                          | 14-55 lb.       | Lb.       | 2 11              |
| Tinmen's solder .....                           | "               | "         | 3 9               |
| Alibyn solder (for soldering aluminium) .....   | "               | "         | 8 6               |
| Boss white jointing compound .....              | "               | "         | 1 11              |
| Carr's black .....                              | "               | "         | 3 0               |
| Copper tacks:                                   |                 |           |                   |
| $\frac{1}{2}$ " .....                           |                 | "         | 3 10              |
| $\frac{3}{4}$ " .....                           |                 | "         | 3 9               |
| 1" .....  |                 | "         | 3 8               |
| Linseed oil putty .....                         | 14 lb.          | "         | 0 8               |
| Red lead (genuine) .....                        | "               | "         | 1 6               |
| Blue lead .....                                 | 5 cwt. to 1 ton | Ton       | 2240 0            |
| Philplug jointing composition:                  | Under           |           |                   |
| P.C. 3 .....                                    | 1 cwt.          | 7 lb. tin | 16 4              |
| P.C. 4 .....                                    | "               | "         | 24 6              |
| Hemp:   | Under           |           |                   |
| Long dressed white jute .....                   | 7 lb.           | lb.       | 4 0               |
| Italian silver hemp .....                       | "               | "         | 6 0               |
| Jute gasketing, untarred .....                  | 28 lb.          | "         | 1 5               |
| " tarred .....                                  | "               | "         | 1 4               |
| Asbestos mastic for jointing gutters, etc. .... |                 | "         | 1 1 $\frac{1}{2}$ |
| Cast-iron cantilever sink brackets:             | Under           |           |                   |
| 16" .....                                       | 12 pairs        | Pair      | 4 6               |
| 18" .....                                       | "               | "         | 5 0               |
| Copper wire:                                    |                 |           |                   |
| 10-16 s.w.g. ....                               | 14 lb.          | Lb.       | 3 4               |
| 18-20 s.w.g. ....                               | "               | "         | 3 5               |

**Plumber, Including Gas and Hot Water Fitter,  
Zinc Worker, and Copper-Smith**

| Material  | Size of load  | Unit  | Price               |              |              |              |              |              |              |
|---|---------------|-------|---------------------|--------------|--------------|--------------|--------------|--------------|--------------|
|   |               |       | 2½"                 | 3"           | 3½"          | 4"           | 5"           | 6"           |              |
| <b>SUNDRY MATERIALS</b>                                   |               |       |                     |              |              |              |              |              |              |
| —continued  |               |       | <i>s. d.</i>        | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| Rainwater pipe nails (wrought) . . . . .                  | 14 lb.        | Lb.   | 1 2½                | 1 0½         | 1 0½         | 1 0          | 1 0          | 1 0          |              |
|   |               |       | 2"                  | 2½"          | 3"           | 4"           |              |              |              |
|   |               |       | <i>s. d.</i>        | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |              |              |              |
| Rainwater pipe hooks (wrought) . . . . .                  | 28 lb.        | ..    | 0 10                | 0 10         | 0 10         | 0 10         |              |              |              |
|   |               |       | ½"                  | ¾"           | 1"           | 1½"          | 1½"          | 2"           |              |
|   |               |       | <i>s. d.</i>        | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| Pipe hooks (wrought iron) . . . . .                       | ..            | ..    | 1 0                 | 1 0          | 0 11         | 0 11         | 0 10½        | —            |              |
| Pipe hangers (wrought iron) . . . . .                     |               | Doz.  | 6 3                 | 7 0          | 8 6          | 11 2         | 14 10        | 19 9         |              |
| Pipe hangers (galvanized) . . . . .                       |               | ..    | The above: Plus 50% |              |              |              |              |              |              |
| Pipe clips (tinned, galvanized, or sherardized) . . . . . | Under 3 gross | ..    | 0 8                 | 0 9½         | 1 1          | 1 5½         | 1 9          | 2 4          |              |
|   |               |       | 4" × ½"             | 4½" × ½"     | 5" × ½"      | 6" × ½"      |              |              |              |
|   |               |       | <i>s. d.</i>        | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |              |              |              |
| Gutter screws, galvanized . . . . .                       | 3 gross       | Gross | 22 6                | 24 9         | 27 0         | 32 9         |              |              |              |
|   |               |       | ¾" × ½"             | 1" × ½"      | 1½" × ½"     | 1½" × ½"     |              |              |              |
|   |               |       | <i>s. d.</i>        | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |              |              |              |
| Gutter bolts and nuts                                     | ..            | ..    | 3 8                 | 3 10         | 4 1          | 4 4          |              |              |              |

## GLAZIER

NOTE.—In order to avoid raising unnecessary queries with suppliers attention is drawn to the fact that all prices are based on rates ruling November 1948.

| Material                                     | Size of load | Unit       | Price    |
|--|--------------|------------|----------|
| <b>TRANSPARENT GLASS</b>                     |              |            | s. d.    |
| Glass to B.S.952, Section A:                 |              |            |          |
| Ordinary glazing quality sheet glass:        |              |            |          |
| 18 oz. ....                                  |              | Ft. super. | 0 4½     |
| 24 oz. . . . .                               |              | "          | 0 5½     |
| 26 oz. . . . .                               |              | "          | 0 7½     |
| 32 oz. . . . .                               |              | "          | 0 9½     |
| ¼" polished plate, in squares not exceeding. |              |            |          |
| 2 ft. super. ....                            |              | "          | 2 6      |
|  |              |            | Less 10% |
| 3 .. . . .                                   |              | "          | 2 10     |
|  |              |            | Less 10% |
| 5 .. . . .                                   |              | "          | 3 1      |
|  |              |            | Less 10% |
| 45 .. . . .                                  |              | "          | 3 9      |
|  |              |            | Less 10% |
| 100 .. . . .                                 |              | "          | 4 5      |
|  |              |            | Less 10% |
| <b>TRANSLUCENT GLASS</b>                     |              |            |          |
| Glass to B.S.952, Section B:                 |              |            |          |
| ¼" figured, rolled or cathedral.             |              |            |          |
| Untinted . . . . .                           |              | "          | 0 7½     |
| Tinted. . . . .                              |              | "          | 0 10½    |
| Rolled plate                                 |              |            |          |
| ¼" . . . . .                                 |              | "          | 0 7½     |
| ½" or ¾" . . . . .                           |              | "          | 0 8½     |
| <b>OTHER GLASS</b>                           |              |            |          |
| Glass to B.S.952, Section D:                 |              |            |          |
| ¼" wired cast . . . . .                      |              | "          | 0 9½     |
| ¼" Georgian wired cast . . . . .             |              | "          | 0 10½    |
| Prismatic . . . . .                          |              | "          | 1 2½     |
| ¼" polished Georgian wired plate . . . . .   |              | "          | 3 6      |
| <b>VITROLITE</b>                             |              |            |          |
| ¼" black or white vitrolite . . . . .        |              | "          | 2 10     |
| ¼" coloured vitrolite . . . . .              |              | "          | 2 11     |
| <b>PUTTY, ETC.</b>                           |              |            |          |
| Putty to B.S.554:                            |              |            |          |
| Type 1 . . . . .                             |              | Cwt.       | 59 0     |
| Type 2 . . . . .                             |              | "          | 65 0     |
| Black ribbon velvet . . . . .                |              | Yd: run    | 0 3      |

PAINTER

NOTE.—In order to avoid raising unnecessary queries with suppliers attention is drawn to the fact that all prices are based on rates ruling November 1948.

| Material                                   | Size of load | Unit  | Price        |
|--|--------------|-------|--------------|
|  |              |       | <i>s. d.</i> |
| <b>LIME</b>                                |              |       |              |
| Chalk lime                                 | ½ cwt.       | ½ cwt | 4 0          |
| <b>WATER PAINT</b>                         |              |       |              |
| White ceiling distemper                    | ½-1 cwt      | Cwt.  | 29 6         |
| Oil-free distemper                         | Cwt          | "     | 40 0         |
| *Oil-bound distemper                       | ½-1 cwt      | "     | 78 0         |
| Oil-bound distemper for interior work only | "            | "     | 58 0         |
| Petrifying Liquid                          |              | Gal.  | 6 0          |
| <b>PAINT</b>                               |              |       |              |
| Ready mixed oil paint                      |              |       |              |
| Flat oil wall paint                        | ½-1 gal      | Gal   | 28 0         |
| Pink priming                               |              |       |              |
| Best quality                               | "            | "     | 33 6         |
| *Good quality                              | "            | "     | 40 0         |
| Aluminium primer                           | "            | "     | 38 6         |
| White lead hard gloss paint:               |              |       |              |
| Undercoat                                  | "            | "     | 43 6         |
| Finishing                                  | "            | "     | 45 0         |
| Hard gloss paint:                          |              |       |              |
| *Undercoat                                 | "            | "     | 37 6         |
| *Finishing                                 | "            | "     | 39 6         |
| Full gloss enamel paint.                   |              |       |              |
| Interior quality                           | "            | "     | 39 6         |
| Exterior quality                           | "            | "     | 42 6         |
| Aluminium paint                            | "            | "     | 38 6         |
| Heat resisting paint                       | "            | "     | 39 6         |
| <b>CEMENT PAINT</b>                        |              |       |              |
| White Portland cement paint                | Cwt          | Cwt   | 56 0         |
| <b>VARNISHES</b>                           |              |       |              |
| General purpose                            | Gal.         | Gal   | 31 0         |
| Fine copal oak                             | "            | "     | 40 0         |
| Extra hard church oak                      | "            | "     | 32 0         |
| Pale copal                                 | "            | "     | 40 0         |
| Carriage varnish                           | "            | "     | 43 0         |
| Flat varnish                               | "            | "     | 34 6         |
| Gold size                                  | "            | "     | 23 4         |
| Knottling                                  | "            | "     | 26 9         |
| Terebene liquid driers                     | "            | "     | 18 0         |

\* Measured prices based on these rates.



*Painter*

| Material                          | Size of load | Unit       | Price        |
|-----------------------------------|--------------|------------|--------------|
| <b>STAINS AND PRESERVATIVES</b>   |              |            | <i>s. d.</i> |
| Creosote .....                    | 5 gals.      | Gal.       | 1 10½        |
| "Cuprinol" standard timber grade: |              |            |              |
| Green .....                       | "            | "          | 10 3         |
| Clear .....                       | "            | "          | 10 6         |
| Light and dark brown ..           | "            | "          | 10 0         |
| "Solignum":                       |              |            |              |
| Exterior quality:                 |              |            |              |
| Brown and colourless ..           | "            | "          | 5 3          |
| Other colours .....               | "            | "          | 8 6          |
| Interior quality:                 |              |            |              |
| Brown and colourless ..           | "            | "          | 6 3          |
| Other colours .....               | "            | "          | 9 0          |
| Wood stain in water ..            | Gal.         | "          | 9 0          |
| Spirit varnish stain .....        | "            | "          | 28 0         |
| Oil varnish stain .....           |              | Pint       | 2 7          |
| Oil scumble stain .....           |              | Lb.        | 3 4½         |
| <b>POLISHES</b>                   |              |            |              |
| French polish .....               |              | Gal.       | 25 6         |
| Brush .....                       |              | "          | 31 9         |
| Button .....                      |              | "          | 27 6         |
| Beeswax .....                     |              | Lb.        | 7 3          |
| <b>STAINERS</b>                   |              |            |              |
| Ochre .....                       | 14 lb. tin   | 14 lb. tin | 17 0         |
| Venetian red .....                | "            | "          | 17 0         |
| Raw sienna .....                  | "            | "          | 17 0         |
| Raw umber .....                   | "            | "          | 17 0         |
| Burnt sienna .....                | "            | "          | 17 0         |
| Burnt umber .....                 | "            | "          | 17 0         |
| Red oxide .....                   | "            | "          | 17 0         |
| Green .....                       | "            | "          | 23 9         |
| <b>DRY COLOURS</b>                |              |            |              |
| Black .....                       | 1 lb.        | 1 lb.      | 2 2          |
| Chrome yellow .....               | "            | "          | 2 10         |
| Oxford ochre .....                | Cwt.         | Cwt.       | 40 0         |
| J. C. ochre .....                 | "            | "          | 29 6         |
| Venetian red .....                | "            | "          | 33 6         |
| Indian red .....                  | "            | "          | 121 6        |
| Red or purple oxide .....         | "            | "          | 40 0         |
| Raw turkey umber .....            | "            | "          | 50 6         |
| Burnt turkey umber .....          | "            | "          | 50 6         |
| Raw sienna .....                  | "            | "          | 48 0         |
| Burnt sienna .....                | "            | "          | 48 0         |
| Vandyke brown .....               | "            | "          | 45 0         |
| Purple brown .....                | "            | "          | 45 0         |
| English umber .....               | "            | "          | 32 0         |
| Prussian blue .....               | Lb.          | Lb.        | 4 5          |
| Ultramarine blue .....            | "            | "          | 1 7          |
| Lime blue .....                   | "            | "          | 0 10         |

*Painter*

| Material                                  | Size of load | Unit   | Price        |
|---|--------------|--------|--------------|
| <b>DRY COLOURS—continued</b>              |              |        | <i>s. d.</i> |
| Brunswick green (all shades) .....        | Cwt.         | Cwt.   | 101 0        |
| Bronze green .....                        | Lb.          | Lb.    | 0 10         |
| Lime green .....                          | "            | "      | 0 10         |
| Green copperas.....                       | Cwt.         | Cwt.   | 28 0         |
| White copperas .....                      | "            | "      | 60 0         |
| <b>SUNDRIES</b>                           |              |        |              |
| Alabastine filler .....                   | Lb.          | Lb.    | 1 3          |
| Genuine ground white lead .....           | Cwt.         | Cwt.   | 163 6        |
| Linseed oil:                              |              |        |              |
| Raw .....                                 | 5 gals.      | Gal.   | 21 9         |
| Boiled .....                              | "            | "      | 22 3         |
| Putty.                                    |              |        |              |
| Genuine linseed oil . . . . .             |              | Cwt.   | 60 0         |
| Genuine red lead . . . . .                |              | "      | 67 6         |
| Mastic .....                              |              | "      | 67 6         |
| Pumice stone:                             |              |        |              |
| Powdered .....                            |              | "      | 20 0         |
| Decorator's best .....                    |              | "      | 68 0         |
| Size:                                     |              |        |              |
| X.D. ....                                 | 28 lb.       | 28 lb. | 8 0          |
| Concentrated size powder ....             | 1 lb.        | Lb.    | 1 10         |
| Sugar soap.....                           |              | Lb.    | 0 7½         |
| White spirit (turpentine substitute)..... | 5 gals.      | Gal.   | 3 8          |
| Whiting .....                             | Cwt.         | Cwt.   | 10 0         |

## EXTERNAL WORKS

NOTE.—In order to avoid raising unnecessary queries with suppliers attention is drawn to the fact that all prices are based on rates ruling November 1948.

| Material  | Size of load | Unit       | Price        |
|---|--------------|------------|--------------|
|   |              |            | <i>s. d.</i> |
| <b>CLINKER, ASHES, AND HARD-CORE</b>  |              |            |              |
| See "Excavator".  |              |            |              |
| <b>WATERPROOF PAPER, AGGREGATES, CEMENT, BITUMINOUS EXPANSION JOINT, STEEL WIRE MESH FABRIC</b> |              |            |              |
| See "Concretor".  |              |            |              |
| <b>GRANITE SETTS</b>  |              |            |              |
| Granite setts, 4" × 4" .....  |              | Ton        | 135 6        |
| <b>KERBS, CHANNELS, ETC.</b>  |              |            |              |
| Pre-cast concrete kerb to B.S.340, 10" × 5"   |              |            |              |
| Half-battered .....   |              | Yd. run    | 5 11         |
| " circular on plan ..   |              | "          | 7 11         |
| Full-battered .....   |              | "          | 5 11         |
| " circular on plan ..   |              | "          | 7 11         |
| Pre-cast concrete edging with slightly rounded top, 6" × 2½"                                    |              | Ft. run    | 1 2          |
| Creosoted sawn fir edging, 4" × 1½"   |              | "          | 0 4½         |
| Creosoted sawn fir pointed for stakes, 1½" × 1½" × 2' 0"  |              | No.        | 0 5          |
| <b>PAVING SLABS</b>   |              |            |              |
| 2" pre-cast concrete paving slabs to B S 368, 2' 6" × 2' 0"                                     | 60 yds.      | Yd. super. | 8 0          |
| <b>GRAVEL</b>   |              |            |              |
| Binding gravel:   | 4-5 yds.     | Yd. cube   |              |
| Fine .....  | cube         | "          | 25 6         |
| Coarse .....  | "            | "          | 16 0         |
| <b>COLD BITUMEN EMULSION</b>  |              |            |              |
| Cold bitumen emulsion .....   | 42-gal. drum | Gal.       | 1 11½        |

**External Works**

| Material   | Size of load | Unit    | Price            |               |               |                |
|--|--------------|---------|------------------|---------------|---------------|----------------|
|  |              |         | Diameter of pipe |               |               |                |
|  |              |         | 2"               | 3"            | 4"            | 6"             |
| <b>WATER MAINS</b>   |              |         |                  |               |               |                |
| Cast-iron spigot and socket pipes to B.S.78, Class "C" .....   |              | Yd. run | s. d.<br>5 4     | s. d.<br>8 8  | s. d.<br>11 1 | s. d.<br>19 2  |
| Spun cast-iron spigot and socket pipes to B.S. 1211, Class "C" .....   |              | No.     |                  | 6 0           | 7 10          | 13 6           |
| 45° bends as Table 7 .....   |              | ..      | 7 6              | 12 11         | 18 8          | 36 6           |
| 45° angle branch as Table 19 .....   |              | ..      | 16 0             | 26 4          | 37 10         | 70 2           |
| Tee as Table 20 .....  |              | ..      | 14 5             | 23 4          | 33 5          | 60 7           |
| Hydrant tee as Table 21. . . . .   |              | ..      | 25 5             | 38 2          | 51 9          | 88 11          |
|  |              |         | 2"-3"            | 2"-4"         | 3"-4"         | 4"-6"          |
| Taper as Table 18 (socket large end) .....   |              | ..      | s. d.<br>10 7    | s. d.<br>16 5 | s. d.<br>19 2 | s. d.<br>32 8  |
|  |              |         | 2"               | 3"            | 4"            | 6"             |
| Plug as Table 23 .....   |              | ..      | s. d.<br>1 3     | s. d.<br>1 8  | s. d.<br>2 2  | s. d.<br>4 5   |
| Cap as Table 24 .....  |              | ..      | 3 5              | 4 5           | 6 0           | 12 1           |
| Socket to flange piece as Table 22 .....   |              | ..      | 10 10            | 14 1          | 19 7          | 34 8           |
| Spigot to flange piece as Table 22 .....   |              | ..      | 7 8              | 11 7          | 18 1          | 30 8           |
|  |              |         |                  |               |               | 5"             |
| Sluice valve with head for loose key including flanged joints .....  |              | ..      | 82 0             | 104 6         | 129 6         | s. d.<br>169 6 |
| Light cast-iron circular surface box .....   |              | ..      | 12 0             |               |               |                |
| Mild steel operating key 3' 6" long .....  |              | ..      | 36 0             |               |               |                |
| <b>ASBESTOS-CEMENT PRESSURE PIPES</b>  |              |         |                  |               |               |                |
| Asbestos-cement pressure pipes, Class C, to B.S. 486, including rubber rings and detachable iron bands ..... |              | Yd. run |                  |               |               | 6"             |
| 45° bend .....   |              | No.     | 3 4              | 5 3           | 6 9           | s. d.<br>11 10 |
|  |              |         | 7 4              | 11 6          | 21 0          | 36 9           |
| <b>GAS MAINS</b>   |              |         |                  |               |               |                |
| Cast-iron spigot and socket pipes to B.S.78, Class "A" .....   |              | Yd. run | 5 4              | 8 8           | 10 10         | 17 7           |
| Spun cast-iron spigot and socket pipes to B.S. 1211, Class "A" .....   |              | No.     |                  | 5 6           | 7 0           | 11 9           |
| 45° bend as Table 7 .....  |              | ..      | 7 6              | 12 7          | 16 9          | 30 5           |
| 45° angle branch as Table 19 .....   |              | ..      | 16 0             | 25 9          | 34 4          | 59 6           |
| Tee as Table 20 .....  |              | ..      | 14 5             | 22 9          | 30 5          | 51 10          |

**External Works**

| Material   | Size of load | Unit | Price                |                       |                      |                      |      |
|--|--------------|------|----------------------|-----------------------|----------------------|----------------------|------|
| <b>GAS MAINS—</b>  |              |      | Diameter of pipe     |                       |                      |                      |      |
| <i>continued</i>   |              |      | 2"-3"                | 2"-4"                 | 3"-4"                | 4"-6"                |      |
| Taper as Table 18 (socket large end) .....   |              |      | <i>s. d.</i><br>10 4 | <i>s. d.</i><br>15 11 | <i>s. d.</i><br>17 7 | <i>s. d.</i><br>28 6 |      |
|  |              |      | 2"                   | 3"                    | 4"                   | 6"                   |      |
| Plug as Table 23 .....   |              |      | <i>s. d.</i><br>1 3  | <i>s. d.</i><br>1 8   | <i>s. d.</i><br>2 2  | <i>s. d.</i><br>4 5  |      |
| Cap as Table 24 .....  |              |      | 3 5                  | 4 5                   | 6 0                  | 12 1                 |      |
| Socket to flange piece as Table 22 .....   |              |      | 10 10                | 13 7                  | 17 7                 | 31 2                 |      |
| Spigot to flange piece as Table 22 .....   |              |      | 7 8                  | 11 1                  | 15 1                 | 24 1                 |      |
|  |              |      | Height of fence      |                       |                      |                      |      |
|  |              |      | 3' 0"                | 3' 6"                 | 4' 0"                | 4' 6"                |      |
|  |              |      | <i>s. d.</i>         | <i>s. d.</i>          | <i>s. d.</i>         | <i>s. d.</i>         |      |
| <b>FENCING</b>   |              |      |                      |                       |                      |                      |      |
| Cleft chestnut paling, consisting of pales 2" apart and secured with two galvanized wire strands, including 2½" diameter posts at 9' 0" centres ..   |              |      | Yd. run              | 4 4                   | 4 9                  | 5 6                  | 6 4  |
| End or angle post 3" × 3" ..   |              |      | No.                  | 5 0                   | 6 0                  | 7 0                  | 8 0  |
| Post-and-wire fencing, consisting of concrete posts 4" × 4" at base tapering to 3" × 3" at top, at 9' 0" centres and threading three strands of No. 10 gauge galvanized wire through posts ..... |              |      | Yd. run              | 3 1                   | 3 5                  | 3 9                  | 4 1  |
| End post 4" × 4", with one 3" × 3" strut and straining fittings .....  |              |      | No.                  | 19 6                  | 22 4                 | 24 6                 | 26 3 |
| Corner posts 4" × 4", with two 3" × 3" struts and double straining fittings .  |              |      | "                    | 29 6                  | 33 7                 | 36 9                 | 39 3 |
|  |              |      |                      | 3' 0"                 | 4' 0"                | 6' 0"                |      |
| Galvanized chain link fencing of No. 10½ gauge wire to 2" mesh, with straining wires fixed to and including 1½" × 1½" × ½" steel angle section intermediate posts at 10' 0" centres .....        |              |      | Yd. run              | 4 1½                  | 5 4½                 | 8 1½                 |      |
| <i>As above</i> but aluminium-alloy wire .....   |              |      | "                    | 5 6                   | 7 3                  | 10 9                 |      |

**External Works**

| Material  | Size of load | Unit       | Price           |       |       |
|---|--------------|------------|-----------------|-------|-------|
|   |              |            | Height of fence |       |       |
|   |              |            | 3' 0"           | 4' 0" | 6' 0" |
| <b>FENCING—continued</b>  |              |            |                 |       |       |
| Steel angle section end posts<br>2" × 2" × ½" with strut . . .  |              | No.        | s. d.           | s. d. | s. d. |
| Corner posts with two struts<br>as above . . . . .  |              | No.        | 17 9            | 20 10 | 32 10 |
| Galvanized chain link<br>fencing of No. 10½ gauge<br>wire to 2" mesh, with three<br>rows of straining wires<br>fixed to and including re-<br>inforced concrete posts<br>with 4" × 4" base tapering<br>to 3" × 3", at 10' 0" centres |              | Yd.<br>run | 26 2            | 30 6  | 46 3  |
| Reinforced concrete end<br>posts, as above, with one<br>3" × 3" strut . . . . .   |              | No.        | 5 4½            | 7 0   | 10 6  |
| Corner post, as above, but<br>with two 3" × 3" struts .   |              | No.        | 20 6            | 24 10 | 35 0  |
|   |              | „          | 32 0            | 38 6  | 55 0  |

# PLANT

Attention is drawn to the comprehensive list of plant-hire charges published by the Federation of Civil Engineering Contractors and reproduced in Part III under the heading of "Daywork".

Attention is also drawn to S.I., 1948, No. 792—Supplies and Services (Transitional Powers) Plant (Rates of Hire)—which states the controlled hire charges for certain plant. These charges are given here in *italics*.

Hire-charge rates for mechanical plant are exclusive of the cost of fuel, lubricating oil, greases, drivers, operators, or labour on repairs. For estimated value of these costs, see page 223.

|                                      |                    |
|--------------------------------------|--------------------|
|                                      | <i>s</i> <i>d.</i> |
| Diesel oil, 200-gal. loads . . . . . | 1 8½ per gal.      |
| Petrol " " . . . . .                 | 1 9½ "             |

| Item   | Approximate<br>cost         | Hire<br>charge              | Fuel<br>consump-<br>tion |
|--|-----------------------------|-----------------------------|--------------------------|
|  | <i>£</i> <i>s</i> <i>d.</i> | <i>£</i> <i>s</i> <i>d.</i> |                          |
| <b>ACETYLENE FLARES AND HANDLAMPS</b>  |                             |                             |                          |
| 1000 candle power flare . . . . .  | 12 0 0                      | —                           | —                        |
| 100 " " " " . . . . .  | 5 15 6                      | —                           | —                        |
| 30 " " " lamp . . . . .  | 2 17 6                      | —                           | —                        |
| <br><b>" ACROW PROPS "</b>   |                             |                             |                          |
|  | Each                        |                             |                          |
| Small . . . . .  | 3 2 5                       | 0 1 3                       | —                        |
| Medium . . . . .   | 3 7 10                      | 0 1 6                       | —                        |
| Large . . . . .  | 3 11 5                      | 0 1 7                       | —                        |
| Extra large . . . . .  | 3 17 5                      | 0 1 10                      | —                        |
| <br><b>BAR BENDERS</b>   |                             |                             |                          |
| Kennedy's bar bending machines:  |                             |                             |                          |
| No. 1212 for bars up to ½" diam. . . . .   | 8 10 0                      | —                           | —                        |
| No. 1213 for bars up to 1" diam.<br>(with ratchet gearing for<br>larger diameters) . . . . . | 29 0 0                      | —                           | —                        |
| No. 2A for bars up to 1½" diam. . . . .  | 58 0 0                      | —                           | —                        |
| <br><b>BARROWS</b>   |                             |                             |                          |
| Contractor's barrows, 3 cu. ft.<br>capacity:   |                             |                             |                          |
| With iron wheel . . . . .  | 2 14 6                      | 0 6 0                       | —                        |
| With solid rubber wheel . . . . .  | 4 10 3                      | 0 7 0                       | —                        |
| With pneumatic tyred wheel. . . . .  | 4 12 3                      | —                           | —                        |
| Brick crowding spring barrow with<br>steel wheel . . . . .                                   | 4 14 6                      | —                           | —                        |
| Brick crowding barrow with pneu-<br>matic-tyred wheel . . . . .                              | 5 14 6                      | —                           | —                        |

| Item  | Approximate cost |    |    | Hire charge |    |       | Fuel consumption |
|---|------------------|----|----|-------------|----|-------|------------------|
|   | £                | s. | d. | £           | s. | d.    | Gals./hour       |
| <b>BARROW SLINGS</b>  |                  |    |    |             |    |       |                  |
| Three-leg barrow sling chains fitted with two rings and spring hook .....   | 1                | 16 | 0  | —           | —  | —     | —                |
| <b>BASKET SLINGS</b>  |                  |    |    |             |    |       |                  |
| Basket slings, best quality chains 12" long .....   | 0                | 15 | 3  | Week        |    | 0 1 6 | —                |
| <b>BOTTOM DUMP BUCKETS</b>  |                  |    |    |             |    |       |                  |
| Steel concrete bottom dump buckets with roller gate:  |                  |    |    |             |    |       |                  |
| Capacity 1 yd. cube .. .  | 120              | 0  | 0  | —           | —  | —     | —                |
| " 2     "     " . . . . .   | 190              | 0  | 0  | —           | —  | —     | —                |
| " 3     "     " . . . . .   | 316              | 0  | 0  | —           | —  | —     | —                |
| " 4     "     " . . . . .   | 380              | 0  | 0  | —           | —  | —     | —                |
| <b>BRICK SKIPS</b>  |                  |    |    |             |    |       |                  |
| Brick skips 4' 0" long by 3' 0" wide by 3' 0" deep constructed of 1½" English elm with two sides and one end fixed: capacity 500 bricks ..... | 15               | 0  | 0  | —           | —  | —     | —                |
| <b>BRICKLAYER'S HODS</b>  |                  |    |    |             |    |       |                  |
| Strong London-pattern hods ....   | 1                | 1  | 0  | —           | —  | —     | —                |
| <b>BUCKETS</b>  |                  |    |    |             |    |       |                  |
| Builder's riveted or seamed buckets: approximate weight 6 lb.:  |                  |    |    |             |    |       |                  |
| 12" .....   | 0                | 8  | 2  | —           | —  | —     | —                |
| 13" .....   | 0                | 8  | 10 | —           | —  | —     | —                |
| 14" .....   | 0                | 9  | 10 | —           | —  | —     | —                |
| <b>*BULLDOZERS OR ANGLE DOZERS WITH TRACTORS</b>  |                  |    |    |             |    |       |                  |
| 8 H.P. ....   | 560              | 0  | 0  | Hour        |    | —     | —                |
| 25-30 H.P. (D.2) .....  | 1500             | 0  | 0  | 0           | 9  | 0     | —                |
| 35-40 " (D.4) .....   | 2000             | 0  | 0  | 0           | 15 | 0     | —                |
| 45-60 " (D.6) .....   | 2700             | 0  | 0  | 1           | 0  | 0     | —                |
| 65-70 " (D.7) .....   | 3500             | 0  | 0  | 1           | 7  | 6     | —                |
| 90-110 " (D.8) .....  | 4400             | 0  | 0  | 2           | 0  | 0     | —                |

\* Wire ropes for these machines are not included in the hire charge and are to be charged as consumable stores.



| Item  | Approximate cost | Hire charge       | Fuel consumption |
|---|------------------|-------------------|------------------|
|   | £ s. d.          | £ s. d.           | Gals./hour       |
| <b>COMPRESSORS AND COMPRESSOR TOOLS</b>   |                  |                   |                  |
| <b>Diesel portable air compressors (machine only):</b>  |                  |                   |                  |
| <b>Piston displacement:</b>   |                  |                   |                  |
| 60-100 cu. ft. . . . .  | 550 0 0          | 5 19 0            | —                |
| 101-130 .. . . .  | 790 0 0          | 7 18 0            | 0 90             |
| 131-150 .. . . .  | 900 0 0          | 9 10 0            | —                |
| 151-180 .. . . .  | 950 0 0          | 11 0 0            | —                |
| 181-200 .. . . .  | 1004 0 0         | 12 12 0           | 1-50             |
| 201-250 .. . . .  | 1250 0 0         | 15 2 6            | —                |
| 251-315 .. . . .  | 1460 0 0         | 17 17 6           | 2-50             |
| 316-410 .. . . .  | 1750 0 0         | 19 14 0           | —                |
| <b>Petrol portable air compressors (machine only):</b>  |                  |                   |                  |
| <b>Piston displacement:</b>   |                  |                   |                  |
| 60-100 cu. ft. . . . .  | 475 0 0          | <i>For petrol</i> | <b>Petrol</b>    |
| 101-130 .. . . .  | 573 0 0          | <i>com-</i>       | 1-10             |
| 131-150 .. . . .  | 800 0 0          | <i>pressors</i>   | —                |
| 151-180 .. . . .  | 850 0 0          | <i>deduct</i>     | —                |
| 181-200 .. . . .  | 950 0 0          | <i>20% from</i>   | —                |
| 201-250 .. . . .  | 1100 0 0         | <i>the rates</i>  | —                |
| 251-315 .. . . .  | 1127 0 0         | <i>for diesel</i> | 3 00             |
| 316-410 .. . . .  | 1500 0 0         | <i>com-</i>       | —                |
|   |                  | <i>pressors</i>   |                  |
| <b>Diesel mobile air compressors (machine plus lorry):</b>  |                  |                   |                  |
| <b>Piston displacement:</b>   |                  |                   |                  |
| 101-150 cu. ft. . . . .   | 2000 0 0         | 0 8 0             | —                |
| 151-250 .. . . .  | 2500 0 0         | 0 11 0            | —                |
|   |                  | <i>Plus 9d.</i>   |                  |
|   |                  | <i>per tool</i>   |                  |
|   |                  | <b>Week</b>       |                  |
| Breakers with up to and including 50' of hose and 6 steels . . . .                                  | —                | (A) 12 0          | —                |
| Light pneumatic picks with up to and including 50' of hose and 6 steels . . . . .                   | —                | (A) 1 5 0         | —                |
| Pneumatic clay spaders with up to and including 50' of hose and 1 blade . . . . .                   | —                | (A) 1 7 6         | —                |
| † Hand-held rock drills with up to and including 50' of hose without drill rods or detachable bits: |                  |                   |                  |
| 35 lb. class . . . . .  | —                | (A) 1 12 0        | —                |
| 45 .. . . .   | —                | (A) 1 19 0        | —                |
| 55 .. . . .   | —                | (A) 2 6 0         | —                |

(A) NOTE.—If more than 50' of hose and/or than 6 steels or 1 blade are supplied as part of one transaction these maximum rates shall not apply to that portion of the hose in excess of 50' nor to those steels in excess of 6 nor to any blades in excess of 1.

NOTE.—Tools hired independently: For each compressor tool add 4s. 6d. per week of 44 hours to the rates for compressor tools.

NOTE.—Sharpening of tools: The cost of sharpening compressor tools is to be borne by the taker-on-hire.

† Drill rods and bits for hand-held rock drills to be paid for as consumable stores.

| Item   | Approximate cost |       | Hire charge |       | Fuel consumption |
|--|------------------|-------|-------------|-------|------------------|
|  | £                | s. d. | £           | s. d. | Gals./hour       |
| <b>CONCRETE MIXERS</b>   |                  |       |             |       |                  |
| Petrol-driven concrete mixers:   |                  |       |             |       |                  |
| 5/3½ Open drum without hopper<br>(1½ H.P.) .....                                 | 89               | 0 0   | 2           | 0 0   | 0.15             |
| 7/5 Open drum without hopper<br>(1½ H.P.) .....                                  | 119              | 0 0   | 2           | 10 0  | 0.15             |
| 7/5 Open drum with hopper<br>(3 H.P.) .....                                      | 251              | 0 0   | 3           | 0 0   | 0.30             |
| 7/5 Closed drum with hopper<br>(5 H.P.) .....                                    | 325              | 0 0   | 3           | 15 0  | 0.50             |
| 10/7 Open drum with hopper<br>(5 H.P.) .....                                     | 306              | 0 0   | 4           | 0 0   | 0.50             |
| 10/7 Closed drum with hopper<br>(6 H.P.) .....                                   | 390              | 0 0   | 4           | 10 0  | 0.60             |
| 14/10 Open drum with hopper<br>(6 H.P.) .....                                    | 410              | 0 0   | 5           | 10 0  | 0.60             |
| 14/10 Closed drum with hopper<br>(8 H.P.) .....                                  | 445              | 0 0   | 6           | 0 0   | 0.75             |
| Diesel-driven concrete mixers:   |                  |       |             |       |                  |
| 7/5 Open drum with hopper<br>(3 H.P.) .....                                      | 300              | 0 0   | 3           | 10 0  | 0.20             |
| 7/5 Closed drum with hopper<br>(5 H.P.) .....                                    | 349              | 0 0   | 4           | 5 0   | 0.30             |
| 10/7 Open drum with hopper<br>(5 H.P.) .....                                     | 347              | 0 0   | 4           | 10 0  | 0.30             |
| 10/7 Closed drum with hopper<br>(6 H.P.) .....                                   | 472              | 0 0   | 5           | 0 0   | 0.38             |
| 14/10 Open drum with hopper<br>(6 H.P.) .....                                    | 434              | 0 0   | 6           | 0 0   | 0.38             |
| 14/10 Closed drum with hopper<br>(8 H.P.) .....                                  | 513              | 0 0   | 6           | 10 0  | 0.50             |
| Junior weight-batchers, 13 cu. yd.<br>storage capacity in two compartments ..... | 525              | 0 0   | —           | —     | —                |
| <b>CONCRETE PUMPS</b>  |                  |       |             |       |                  |
| 6' 30 H.P. Diesel .....  | 2395             | 0 0   | —           | —     | 0.75             |
| <b>CONCRETE TIPPING CARTS</b>  |                  |       |             |       |                  |
| Concrete steel tipping carts, 7 cubic ft. capacity:                              |                  |       |             |       |                  |
| With steel wheels .....  | 12               | 7 3   | —           | —     | —                |
| With solid rubber tyred wheels   | 11               | 8 3   | —           | —     | —                |
| With pneumatic tyred wheels ..   | 11               | 16 6  | —           | —     | —                |
| 8 cubic ft. capacity, self tipping,<br>with pneumatic tyred wheels ..            | 17               | 0 0   | —           | —     | —                |

| Item  | Approximate cost |       | Hire charge |       | Fuel consumption     |
|---|------------------|-------|-------------|-------|----------------------|
|   | £                | s. d. | £           | s. d. | Gals./hour<br>Petrol |
| <b>CONCRETE VIBRATORS</b>   |                  |       |             |       |                      |
| High-frequency flexible internal vibrators with three vibrating units, 1½" diam. by 20" long, 2½" diam. by 17½" long, 3½" diam. by 12½" long: |                  |       |             |       |                      |
| Petrol . . . . .  | 150              | 0 0   | —           | —     | —                    |
| Electric . . . . .  | 130              | 0 0   | —           | —     | —                    |
| Vibrating tampers 16' 0" long with two electric vibrators . . . . .   | 90               | 0 0   | —           | —     | —                    |
| <b>CRADLES, TRAVELLING</b>  |                  |       |             |       |                      |
| Cradles . . . . .   | —                | —     | 1 0 0       | —     | —                    |
| Track for travelling cradle, per ft 56-lb. weights . . . . . each   | —                | —     | 0 0 3       | —     | —                    |
| <b>CRANES</b>   |                  |       |             |       |                      |
| Portable standard channel jib cranes (petrol)   |                  |       |             |       |                      |
| 8 cwt . . . . .   | 269              | 0 0   | 3 10 0      | —     | 0 19                 |
| 15 " . . . . .  | 377              | 0 0   | 5 0 0       | —     | 0 22                 |
| Mobile standard channel jib cranes (petrol)   |                  |       |             |       |                      |
| 10 cwt. . . . .   | 492              | 0 0   | —           | Day   | 0 25                 |
| 1 ton . . . . .   | 1337             | 0 0   | 1 8 0       | —     | 0 28                 |
| 2 " . . . . .   | 1831             | 0 0   | 2 16 6      | —     | 0 31                 |
| 4-6 " . . . . .   | 3398             | 0 0   | 3 15 6      | —     | 1 00                 |
| Steam loco, standard gauge, single drum, non-shunting cranes:   |                  |       |             |       |                      |
| 5 tons . . . . .  | 2000             | 0 0   | —           | —     | —                    |
| 7 " . . . . .   | 2500             | 0 0   | —           | —     | —                    |
| 10 " . . . . .  | 3000             | 0 0   | —           | —     | —                    |
| <b>CRANE GRABS</b>  |                  |       |             |       |                      |
| Grabs.  |                  |       |             |       |                      |
| ½-¾ yd. cube . . . . .  | 150              | 0 0   | —           | Week  | —                    |
| 1 " . . . . .   | 180              | 0 0   | 3 0 0       | —     | —                    |
| <b>CRANE SKIPS</b>  |                  |       |             |       |                      |
| Skip:   |                  |       |             |       |                      |
| ½ yd. cube . . . . .  | 6                | 6 6   | —           | —     | —                    |
| ¾ " . . . . .   | 9                | 17 6  | 0 3 6       | —     | —                    |
| 1 " . . . . .   | 14               | 12 0  | 0 3 6       | —     | —                    |
| 1 " . . . . .   | 16               | 4 6   | 0 5 0       | —     | —                    |

| Item   | Approximate cost |    |    | Hire charge |    |    | Fuel consumption |
|--|------------------|----|----|-------------|----|----|------------------|
|  | £                | s. | d. | £           | s. | d. | Gals./hour       |
| <b>*CRAWLER EXCAVATORS AND EXCAVATOR EQUIPMENTS</b>  |                  |    |    |             |    |    |                  |
| Excavators hired with a single equipment (i.e. excavators equipped with single shovel, skimmer, dragline, backacter or crane equipments):                  |                  |    |    |             |    |    |                  |
| Machine capacity:  |                  |    |    |             |    |    |                  |
| Machine capacity:  |                  |    |    |             |    |    | Diesel oil       |
| $\frac{1}{2}$ cu. yd. ....   | 1500             | 0  | 0  | 20          | 12 | 6  | 0.70             |
| $\frac{3}{4}$ " .....  | 2000             | 0  | 0  | 22          | 9  | 0  | 0.80             |
| 1 " .....  | 2700             | 0  | 0  | 24          | 15 | 0  | 1.25             |
| $1\frac{1}{4}$ " .....   | 3300             | 0  | 0  | 32          | 2  | 0  | 1.40             |
| $1\frac{1}{2}$ " .....   | 3850             | 0  | 0  | 34          | 7  | 6  | 1.50             |
| $1\frac{3}{4}$ " .....   | 4400             | 0  | 0  | 42          | 12 | 6  | 2.00             |
| 1 $\frac{1}{2}$ " .....  | 5600             | 0  | 0  | 55          | 0  | 0  | 2.60             |
| Extra equipment hired with base machine:   |                  |    |    |             |    |    |                  |
| for each extra equipment hired with base machine a sum equal to $7\frac{1}{2}\%$ of the Schedule Rates of Hire for Excavators with a single Equipment .... |                  |    |    |             |    |    |                  |
| Equipment hired without base machines:   |                  |    |    |             |    |    |                  |
| For each equipment hired independently of a base machine a sum equal to $15\%$ of the Schedule Rates of Hire for Excavators with a single equipment ....   |                  |    |    |             |    |    |                  |
| Dragline buckets hired independently or supplied as additional buckets:  |                  |    |    |             |    |    |                  |
| Capacity $\frac{1}{2}$ cu. yd. ..  | 70               | 0  | 0  | 1           | 16 | 0  | —                |
| " $\frac{3}{4}$ " .....  | 100              | 0  | 0  | 2           | 2  | 6  | —                |
| " 1 " .....  | 150              | 0  | 0  | 2           | 10 | 6  | —                |
| " $1\frac{1}{4}$ " .....   | 165              | 0  | 0  | 2           | 17 | 6  | —                |
| " $1\frac{1}{2}$ " .....   | 180              | 0  | 0  | 3           | 1  | 0  | —                |
| " 1 " .....  | 205              | 0  | 0  | 3           | 3  | 0  | —                |
| " $1\frac{1}{2}$ " .....   | 230              | 0  | 0  | 3           | 19 | 0  | —                |
| " $1\frac{3}{4}$ " .....   | 250              | 0  | 0  | 4           | 5  | 0  | —                |

Note.—Rates of hire for Crawler Excavators:

Up to and including 9 cu. ft. capacity to be charged as  $\frac{1}{2}$  cu. yd.

Over 9 cu. ft. up to and including 11 cu. ft. capacity to be charged as  $\frac{3}{4}$  cu. yd.

Over 11 cu. ft. up to and including 15 cu. ft. capacity to be charged as  $1\frac{1}{4}$  cu. yd.

Over 15 cu. ft. up to and including 18 cu. ft. capacity to be charged as  $1\frac{3}{4}$  cu. yd.

Over 18 cu. ft. up to and including 21 cu. ft. capacity to be charged as  $2\frac{1}{4}$  cu. yd.

Over 21 cu. ft. up to and including 26 cu. ft. capacity to be charged as  $2\frac{3}{4}$  cu. yd.

Over 26 cu. ft. up to and including 34 cu. ft. capacity to be charged as  $1\frac{1}{2}$  cu. yd.

\* Wire ropes for these machines are not included in the hire charge and to be charged as consumable stores.

| Item  | Approximate cost | Hire charge     | Fuel consumption |
|---|------------------|-----------------|------------------|
|   | £ s. d.          | £ s. d.<br>Hour | Gals./hour       |
| <b>CRAWLER TRACTORS</b>                           |                  |                 |                  |
| 25-30 H.P. (D.2) .....                            | 1100 0 0         | 0 7 0           | —                |
| 35-40 " (D.4) .....                               | 1500 0 0         | 0 12 0          | —                |
| 45-60 " (D.6) .....                               | 1900 0 0         | 0 16 0          | —                |
| 65-75 " (D.7) .....                               | 2600 0 0         | 1 2 0           | —                |
| 90-100 " (D.8) .....                              | 3350 0 0         | 1 12 0          | —                |
| <b>CRAWLER TRACTORS WITH ELEVATING GRADERS</b>    |                  |                 |                  |
| Crawler tractors with elevating graders .....     | —                | 2 15 0          | —                |
| Elevating grader without tractor ..               | —                | 1 10 0          | —                |
| <b>CRAWLER TRACTORS WITH SCRAPERS</b>             |                  |                 |                  |
| Scrapers.   |                  |                 | Diesel oil       |
| Capacity 4 cu. yd. ..                             | 2100 0 0         | 1 0 0           | 1-70             |
| " 6 " .....                                       | 2800 0 0         | 1 6 0           | 2-00             |
| " 8 " .....                                       | 5100 0 0         | 1 12 6          | 2-90             |
| " 12 " .....                                      | 6800 0 0         | 2 5 0           | 4-00             |
| <b>CRIPPLES</b>                                   |                  |                 |                  |
| Wood ladder cripples .....                        | —                | Week<br>0 3 0   | —                |
| Iron ladder cripples .....                        | 2 14 0           | 0 3 0           | —                |
| <b>CROW BARS</b>                                  |                  |                 |                  |
| Solid steel crow bars, 14 lb. . . .               | 0 9 6            | —               | —                |
| <b>*DERRICKS, SCOTCH</b>                          |                  |                 |                  |
| Hand derricks:                                    |                  |                 |                  |
| Up to 60' jib—3 ton .....                         | 540 0 0          | —               | —                |
| " " 5 " .....                                     | 725 0 0          | —               | —                |
| Extra if fitted with bogies ..                    | 250 0 0          | —               | —                |
| All-electric derricks:                            |                  |                 |                  |
| Up to 80 ft. jib—3 ton ... ..                     | 1545 0 0         | —               | —                |
| 85 to 100 " 3 " .....                             | 1700 0 0         | —               | —                |
| Up to 80 " 5 " .....                              | 2150 0 0         | —               | —                |
| 85 to 100 " 5 " .....                             | 2380 0 0         | —               | —                |
| Up to 90 " 7 " .....                              | 2645 0 0         | —               | —                |
| 95 to 120 " 7 " .....                             | 2900 0 0         | —               | —                |
| Up to 100 " 10 " .....                            | 3300 0 0         | —               | —                |
| 105 to 120 " 10 " .....                           | 3400 0 0         | —               | —                |
| Extra for two-motor type ..                       | £200-£500        | —               | —                |
| Extra if fitted with bogies ..                    | 400 0 0          | —               | —                |
| Extra if fitted with self-propelling bogies ..... | 800 0 0          | —               | —                |

\* Wire ropes for these machines are not included in the hire charge and are to be charged as consumable stores.

| Item                                      | Approximate cost |       | Hire charge  |                | Fuel consumption     |
|---|------------------|-------|--|----------------|----------------------|
|   | £                | s. d. | £  | s. d.<br>Week  | Gals./hour<br>Petrol |
| <b>DEWATERING PUMPS</b>                   |                  |       |  |                |                      |
| 6" well point pump .....                  |                  |       | Varies with number of points, etc., but should not exceed £100 per pump and well point |                |                      |
| <b>DRAIN PLUGS</b>                        |                  |       |  |                |                      |
| Drain plug:                               |                  |       |  |                |                      |
| 4" .....                                  | 0                | 11 1  | 0  | 3 0            | —                    |
| 6" .....                                  | 0                | 14 9  | 0  | 3 0            | —                    |
| 9" .....                                  | 1                | 6 9   | 0  | 4 6            | —                    |
| <b>DRAIN RODS</b>                         |                  |       |  |                |                      |
| 60' set drain rods .....                  | —                |       | 0  | 12 0           | —                    |
| Steel drain rods in 3' 0" lengths:        | Per length       |       |  |                |                      |
| Ordinary screw joint .....                | 0                | 8 0   | —  | —              | —                    |
| Lockfast joint .....                      | 0                | 8 3   | —  | —              | —                    |
| Malacca cane drain rods in 3' 0" lengths: |                  |       |  |                |                      |
| Ordinary screw joint .....                | 0                | 6 9   | —  | —              | —                    |
| Lockfast joint .....                      | 0                | 7 9   | —  | —              | —                    |
|   |                  |       | Screw joint  | Lockfast joint |                      |
| Drop scraper .....                        | 0                | 3 0   | 0  | 3 3            | —                    |
| Double worm screw .....                   | 0                | 3 0   | 0  | 3 3            | —                    |
| Single guide wheels .....                 | 0                | 3 4   | —  | —              | —                    |
| 6" I.R. plunger .....                     | 0                | 6 6   | 0  | 7 0            | —                    |
| <b>DUMPERS</b>                            |                  |       |  |                |                      |
| Petrol-driven dumpers:                    |                  |       |  |                |                      |
| 1 yd. cube .....                          | 415              | 0 0   | —  | —              | —                    |
| 2 " .....                                 | 500              | 0 0   | 11   | 0 0            | 1 00                 |
| 2½ " .....                                | 600              | 0 0   | 12   | 16 6           | —                    |
| 3 " .....                                 | 675              | 0 0   | 14   | 4 0            | 1 30                 |
| Diesel-driven dumpers:                    |                  |       |  |                |                      |
| 2 yd. cube .....                          | 900              | 0 0   | —  | —              | —                    |
| 2½ " .....                                | 1000             | 0 0   | —  | —              | —                    |
| 3 " .....                                 | 1150             | 0 0   | 16   | 1 0            | —                    |
| <b>DUMP TRUCKS</b>                        |                  |       |  |                |                      |
| Dump truck and skip ½ yd. cube.           | 500              | 0 0   | —  | —              | —                    |
| Additional skips .....                    | 17               | 10 0  | —  | —              | —                    |
| <b>DUST SHEETS</b>                        |                  |       |  |                |                      |
| Dust sheets, 12' 0" × 6' 0" .....         | 1                | 5 0   | 0  | 1 6            | —                    |

| Item  | Approximate cost | Hire charge               | Fuel consumption |
|---|------------------|---------------------------|------------------|
|   | £ s. d.          | £ s. d.                   | Gals./hour       |
| <b>EARTH AUGERS</b>                                 |                  |                           |                  |
| Earth augers .....                                  | 1 0 0            | Week<br>—                 | Petrol<br>—      |
| <b>FINISHING MACHINES</b>                           |                  |                           |                  |
| Concrete finishing machines ....                    | 1870 0 0         | —                         | 0 50             |
| <b>HAMMERS</b>                                      |                  |                           |                  |
| Sledge hammers and 36" hickory shafts.              |                  |                           |                  |
| 7 lb. ....  | 0 7 11           | —                         | —                |
| 14 lb. ....   | 0 12 11          | —                         | —                |
| <b>HAND-CARTS</b>                                   |                  |                           |                  |
| Builder's hand-carts:                               |                  |                           |                  |
| 3' 6" × 2' 6" to carry 5 cwt. . . .                 | 12 10 0          | 0 10 6                    | —                |
| 3' 9" × 2' 8" " 7 " . . .                           | 15 0 0           | 0 10 6                    | —                |
| 4' 0" × 2' 8" " 10 " . . .                          | 17 10 0          | 0 10 6                    | —                |
| <b>HIGH-LIFT SHOVELS</b>                            |                  |                           |                  |
| High-lift shovels . . . . .                         | 700 0 0          | 12 7 6                    | 0 90             |
| <b>HOISTS</b>                                       |                  |                           |                  |
| Hoists, including winch platform and guard rails:   |                  |                           |                  |
| Petrol—up to 56':                                   |                  |                           |                  |
| 5-10 cwt. ....                                      | 240 0 0          | 4 0 0                     | —                |
| 10-20 " . . . . .                                   | 300 0 0          | 5 0 0                     | —                |
| Diesel—up to 56':                                   |                  |                           |                  |
| 5-10 cwt. ....                                      | 300 0 0          | 5 10 0                    | —                |
| 10-20 " . . . . .                                   | 400 0 0          | 6 10 0                    | —                |
| Electric—up to 56':                                 |                  |                           |                  |
| 5-10 cwt. ....                                      | 225 0 0          | 4 0 0                     | —                |
| 10-20 " . . . . .                                   | 290 0 0          | 5 0 0                     | —                |
| Mobile hoists (petrol) for 5-7 cwt. platform loads: |                  |                           |                  |
| 15 ft. lift . . . . .                               | 290 0 0          | } 5 0 0<br>to<br>} 5 10 0 | } 0-125          |
| 19 " . . . . .                                      | 297 0 0          |                           |                  |
| 30 " . . . . .                                      | 329 0 0          |                           |                  |
| Concrete-tipping steel skips:                       |                  |                           |                  |
| ½ yd. cube . . . . .                                | 22 0 0           | —                         | —                |
| ¾ " " . . . . .                                     | 30 0 0           | —                         | —                |
| Steel floor hoppers with hinged door:               |                  |                           |                  |
| ¾ yd. cube . . . . .                                | 25 0 0           | —                         | —                |
| 1 " " . . . . .                                     | 32 0 0           | —                         | —                |

| Item  | Approximate cost |       | Hire charge |        | Fuel consumption |
|---|------------------|-------|-------------|--------|------------------|
|   | £                | s. d. | £           | s. d.  | Gals./hour       |
| <b>HOSE</b>   |                  |       |             |        |                  |
| 2-ply hose, 60' coil, $\frac{1}{2}$ "               | 3                | 0 0   | Week        |        | Petrol           |
| 3-ply " " $\frac{3}{4}$ "                           | 3                | 15 0  | —           |        | —                |
| <b>LADDERS</b>                                      |                  |       |             |        |                  |
| Builders' ladders:                                  |                  |       |             |        |                  |
| Up to 20 rounds                                     | Per rung         |       |             |        |                  |
| 21 to 30  | 0                | 3 0   | 0           | 3 6    | —                |
| 31 to 40  | 0                | 3 6   | 0           | 4 0    | —                |
| 41 to 50  | 0                | 3 9   | 0           | 5 0    | —                |
| 51 to 60  | 0                | 4 3   | 0           | 6 0    | —                |
| 61 to 70  |                  |       | 0           | 7 6    | —                |
| 71 to 80  |                  |       | 0           | 9 0    | —                |
| 81 to 85  |                  |       | 0           | 10 6   | —                |
| 86 to 90  |                  |       | 0           | 12 0   | —                |
| 91 to 95  |                  |       | Imported    | 0 14 6 | —                |
| 96 to 100   |                  |       | poles not   | 0 16 6 | —                |
| 101 to 105  |                  |       | now         | 0 19 6 | —                |
| 106 and up  |                  |       | available   | 1 2 6  | —                |
|   |                  |       |             | 1 5 6  | —                |
| Extension ladders (complete with pulley and cords): |                  |       |             |        |                  |
| Two section:  |                  |       |             |        |                  |
| 8' closed, 14' extended                             | 2                | 12 8  | —           |        | —                |
| 11' " 20' "   | 3                | 12 6  | —           |        | —                |
| 14' " 26' "   | 4                | 12 3  | —           |        | —                |
| 16' " 30' "   | 5                | 5 5   | —           |        | —                |
| Three section:                                      |                  |       |             |        |                  |
| 6' closed, 14' extended                             | 3                | 0 0   | —           |        | —                |
| 8' " 20' "  | 3                | 19 11 | —           |        | —                |
| 12' " 32' "   | 5                | 19 10 | —           |        | —                |
| Painter's testles:                                  |                  |       |             |        |                  |
| 6'  | 2                | 11 0  | 0           | 4 6    | —                |
| 8'  | 3                | 8 0   | 0           | 4 6    | —                |
| 10'   | 4                | 5 0   | 0           | 5 0    | —                |
| 12'   | 5                | 2 0   | 0           | 6 0    | —                |
| 14'   | 6                | 10 11 | 0           | 9 0    | —                |
| 16'   | 7                | 9 8   | 0           | 9 0    | —                |
| 18'   | —                | —     | 0           | 12 0   | —                |
| 20'   | —                | —     | 0           | 12 0   | —                |
| Painter's steps:                                    |                  |       |             |        |                  |
| 6 tread   | 1                | 13 1  | 0           | 3 0    | —                |
| 8 "   | 2                | 4 3   | 0           | 3 0    | —                |
| 10 "  | 2                | 15 3  | 0           | 3 6    | —                |
| 12 "  | 4                | 4 1   | 0           | 4 6    | —                |
| 14 "  | 4                | 18 2  | 0           | 6 0    | —                |
| 16 "  | 5                | 12 3  | 0           | 7 0    | —                |
| 18 "  | —                | —     | 0           | 10 0   | —                |
| <b>LAMPS</b>  |                  |       |             |        |                  |
| Road danger lamp                                    | 0                | 18 6  | —           |        | —                |
| Hurricane lamps                                     | 0                | 11 6  | —           |        | —                |



| Item  | Approximate weight | Approximate cost |
|---|--------------------|------------------|
|   | Lb.                | £ s. d.          |
| <b>LIGHT ALLOY LADDERS</b>                    |                    |                  |
| <b>Straight ladder:</b>                       |                    |                  |
| 6' 0" . . . . .                               | 8                  | 3 4 4            |
| 12' 3" . . . . .                              | 16                 | 4 19 6           |
| 16' 6" . . . . .                              | 25                 | 8 13 6           |
| <b>Medium-weight straight ladder.</b>         |                    |                  |
| 18' 0" . . . . .                              | 27                 | 9 9 6            |
| 27' 0" . . . . .                              | 54                 | 17 10 6          |
| <b>Heavy-weight straight ladder:</b>          |                    |                  |
| 28' 6" . . . . .                              | 56                 | 18 9 6           |
| 36' 9" . . . . .                              | 74                 | 25 0 0           |
| <b>Dual extending ladders:</b>                |                    |                  |
| 14' 3" . . . . .                              | 21                 | 9 5 0            |
| 20' 3" . . . . .                              | 30                 | 12 7 0           |
| 29' 3" . . . . .                              | 68                 | 21 5 6           |
| <b>Heavy-weight dual-extension ladders:</b>   |                    |                  |
| 30' 9" . . . . .                              | 50                 | 22 5 6           |
| 38' 3" . . . . .                              | 70                 | 27 0 6           |
| <b>Light-weight triple-extension ladders:</b> |                    |                  |
| 15' 9" . . . . .                              | 33                 | 8 17 9           |
| 17' 3" . . . . .                              | 36                 | 9 16 9           |
| <b>Medium-weight triple-extension ladder:</b> |                    |                  |
| 22' 6" . . . . .                              | 46                 | 17 8 0           |
| 29' 3" . . . . .                              | 62                 | 23 12 0          |
| <b>Heavy-weight triple-extension ladder:</b>  |                    |                  |
| 31' 6" . . . . .                              | 75                 | 25 0 6           |
| 45' 0" . . . . .                              | 106                | 33 14 6          |

| Item   | Approximate cost | Hire charge | Fuel consumption |
|--|------------------|-------------|------------------|
|  | £ s. d.          | £ s. d.     | Gals./hour       |
| <b>LOCOS</b>   |                  |             |                  |
| <b>Locos, 24-inch gauge:</b>                           |                  |             |                  |
| Petrol: 10 H.P. . . . .                                | 400 0 0          | —           | Petrol<br>—      |
| „ 20 H.P. . . . .                                      | 450 0 0          | —           | 1-20             |
| Diesel: 10 H.P. . . . .                                | 450 0 0          | —           | Diesel oil<br>—  |
| „ 20 H.P. . . . .                                      | 550 0 0          | —           | 0 80             |
| <b>MECHANICAL TRENCHERS</b>                            |                  |             |                  |
| <b>Allen Parsons model mechanical trenchers:</b>       |                  |             |                  |
| 12/18 type . . . . .                                   | 2000 0 0         | 19 14 0     | Petrol<br>1-30   |
| 25 „ . . . . .   | 3150 0 0         | 25 4 0      | 1-70             |
| Trencher for depths not exceeding 3' 6" deep . . . . . | 925 0 0          | —           | —                |

| Item  | Approximate cost |       | Hire charge      |       | Fuel consumption |
|---|------------------|-------|------------------|-------|------------------|
|   | £                | s. d. | £                | s. d. | Gals./hour       |
| <b>MECHANICAL PUNNERS</b>   |                  |       |                  |       |                  |
| Pegson or similar punners .....   | 120              | 0 0   | —                | —     | Petrol<br>0·125  |
| Trench tamper. ....   | 120              | 0 0   | —                | —     | 0·125            |
| <b>PICKS</b>  |                  |       |                  |       |                  |
| 7-lb. chisel and point or double pointed picks with 36" hickory handle .....                            | 0                | 9 3   | —                | —     | —                |
| <b>*PILING PLANT</b>  |                  |       |                  |       |                  |
| Steam piling plant with boiler, winch and frame, including drop hammer up to 50 cwt.:                   |                  |       | Month of 4 weeks |       |                  |
| Up to 50' .....   | —                | —     | 42               | 0 0   | —                |
| „ 65' .....   | —                | —     | 55               | 0 0   | —                |
| <b>PORTABLE ELECTRIC TOOLS</b>  |                  |       |                  |       |                  |
| Ripsnorter saws:  |                  |       | Week             |       |                  |
| 7" .....  | 31               | 0 0   | 2                | 2 0   | —                |
| 9" .....  | 40               | 0 0   | 2                | 14 0  | —                |
| 7" H.D. sanders .....   | 17               | 0 0   | 1                | 16 0  | —                |
| Screw drivers: light weight .....   | 12               | 15 0  | —                | —     | —                |
| „ heavy duty .....  | 17               | 5 0   | —                | —     | —                |
| Hammers and kit .....   | 38               | 7 6   | 4                | 0 0   | —                |
| <b>PORTABLE OFFICES, ETC.</b>   |                  |       |                  |       |                  |
| Sectional timber buildings suitable for site offices, etc., lined inside and out, 20' x 10' and upwards |                  |       | Ft. super.       |       |                  |
|   | 1                | 1 0   | —                | —     | —                |
| <b>PORTABLE POWER PICKS</b>   |                  |       |                  |       |                  |
| Portable power pick including three steels, tool kit and wooden case .....                              | 120              | 0 0   | —                | —     | Petrol<br>0 50   |
| <b>PUMPS</b>  |                  |       |                  |       |                  |
| Portable pumps (petrol) without hoses:  |                  |       |                  |       |                  |
| Single diaphragm: 3" .....  | 96               | 0 0   | 2                | 0 0   | 0·187            |
| „ „ 4" .....  | 133              | 0 0   | 2                | 10 0  | 0·187            |
| Double diaphragm: 3" .....  | 130              | 0 0   | 3                | 0 0   | 0·187            |
| „ „ 4" .....  | 163              | 10 0  | 4                | 0 0   | 0·187            |

\* Wire ropes for these machines are not included in the hire charge and are to be charged as consumable stores.

| Item  | Approximate cost |       | Hire charge |       | Fuel consumption |
|---|------------------|-------|-------------|-------|------------------|
|   | £                | s. d. | £           | s. d. | Gals./hour       |
| <b>PUMPS—continued</b>  |                  |       |             |       |                  |
| Self-priming centrifugal pumps up to 20' head (excluding pumps designed solely for sewage): |                  |       | Week        |       | Petrol           |
| 3" bore .....   | 116              | 10 0  | 3           | 0 0   | 0-187            |
| 4" " .....  | 132              | 0 0   | 3           | 10 0  | 0-25             |
| 5" " .....  | 350              | 0 0   | 6           | 10 0  | 0-50             |
| 6" " .....  | 409              | 0 0   | 7           | 10 0  | 0-75             |
| Hand pumps with hose ..   | 28               | 12 0  | 0           | 16 0  | —                |
| Pump hoses, flexible, suction or delivery including couplings, valve and strainer:          |                  |       |             |       |                  |
| Per 20' length:   |                  |       |             |       |                  |
| 2½" bore with 2" connections  | 9                | 6 0   | 0           | 9 6   | —                |
| 3½" " 3" "  | 13               | 5 6   | 0           | 12 0  | —                |
| 4½" " 4" "  | 18               | 2 6   | 0           | 14 0  | —                |
| Per 10' length:   |                  |       |             |       |                  |
| 5½" bore with 5½" connections   | 13               | 17 6  | 0           | 12 6  | —                |
| 6" " 6" "   | 16               | 19 0  | 0           | 14 6  | —                |
| <b>*RIPPERS AND TRACTORS</b>  |                  |       |             |       |                  |
|   |                  |       | Hour        |       |                  |
| 25-30 H.P. (D 2) .....  | —                |       | 0           | 9 0   | —                |
| 35-40 " (D.4) .....   | —                |       | 0           | 15 0  | —                |
| 45-60 " (D.6) .....   | —                |       | 1           | 0 0   | —                |
| 65-75 " (D.7) .....   | —                |       | 1           | 7 6   | —                |
| 90-110 " (D 8) .....  | —                |       | 2           | 0 0   | —                |
| <b>ROAD FORMS</b>   |                  |       |             |       |                  |
| 5" road form weighing about 55 lb. per 10' length .....                                     |                  |       | Per length  |       |                  |
| 6" road form weighing about 93 lb. per 10' length .....                                     |                  |       | 1           | 18 6  | —                |
| 8" road form weighing about 196 lb. per 10' length .....                                    |                  |       | 2           | 10 0  | —                |
| 6" flexible road form weighing about 60 lb. per 10' length .....                            |                  |       | 4           | 18 0  | —                |
| 8" flexible road form weighing about 70 lb. per 10' length ..                               |                  |       | 3           | 5 0   | —                |
|   |                  |       | 3           | 15 0  | —                |
| <b>ROAD SIGNS</b>   |                  |       |             |       |                  |
| "Danger Road Up" 8" letters, similar wording .....  | 6                | 7 6   | —           | —     | —                |

\* Wire ropes for these machines are not included in the hire charge and are to be charged as consumable stores.

| Item  | Approximate cost |         | Hire charge                       |       | Fuel consumption |
|---|------------------|---------|-----------------------------------|-------|------------------|
|   | £                | s. d.   | £                                 | s. d. | Gals./hour       |
| <b>ROLLERS</b>  |                  |         |                                   |       |                  |
| Rollers (excluding living vans, bedding, and water carts):  |                  |         |                                   |       |                  |
| Petrol: under 5 tons.....                                   | 650              | 0 0     | Day<br>1 10 0                     |       | Petrol<br>0 70   |
| „ 5 tons and over .. .                                      | 1100             | 0 0     | 1 18 3                            |       | —                |
| Diesel: under 5 tons.....                                   | 800              | 0 0     | 1 14 0                            |       | Diesel oil<br>—  |
| „ 5 tons and over .. .                                      | 1300             | 0 0     | 2 3 3                             |       | 1-00             |
| Extra for Scarifier (working time) .. . . . . .             | —                | —       | Hour of work<br>0 7 6             |       | —                |
| Living vans and bedding .. . . .                            | —                | —       | Day<br>0 1 3                      |       | —                |
| Water carts .. . . . . .                                    | —                | —       | 0 0 9                             |       | —                |
| Sheepsfoot tamping rollers:                                 |                  |         |                                   |       |                  |
| Oscillating type, single drum ..                            | 230              | 0 0     | —                                 |       | —                |
| „ „ double drum . . . . .                                   | 373              | 0 0     | —                                 |       | —                |
| <b>RUBBISH BASKETS</b>                                      |                  |         |                                   |       |                  |
| Reinforced rubbish baskets, regulation pattern .. . . . . . | 1                | 1 0     | Week<br>0 4 6                     |       | —                |
| <b>SCAFFOLDING</b>  |                  |         |                                   |       |                  |
| Tubular steel scaffolding:                                  |                  |         |                                   |       |                  |
| Tubes .. . . . . .  | 10½d             | ft run  | Month of<br>4 weeks<br>½d ft. run |       | —                |
| Double couplers .. . . . . .                                | 5/11             | each    | 2d each                           |       | —                |
| Putlog .. . . . . .   | 5/7              | „       | „                                 |       | —                |
| Swivel .. . . . . .   | 5/10             | „       | „                                 |       | —                |
| Expanding joint pins .. . . . .                             | 3/10             | „       | „                                 |       | —                |
| Base plates .. . . . . .                                    | 2/4              | „       | „                                 |       | —                |
| Reveal screws .. . . . . .                                  | 3/6              | „       | „                                 |       | —                |
| Ratchet spanners .. . . . . .                               | 15/-             | „       | „                                 |       | —                |
| Alloy scaffolding:  | Ft. run          |         | Week                              |       | —                |
| Tubes .. . . . . .  | 2/1              | ft. run | ½d. ft. run                       |       | —                |
| Double couplers .. . . . . .                                | 7/0              | each    | —                                 |       | —                |
| Swivel .. . . . . .   | 8/6              | „       | —                                 |       | —                |
| Putlog .. . . . . .   | 4/3              | „       | 0 0 6                             |       | —                |
| Expanding joint pins .. . . . .                             | 6/-              | „       | —                                 |       | —                |
| 5' fishtail putlog .. . . . . .                             | 12/-             | „       | —                                 |       | —                |
| 6' „ „ .. . . . . .   | 14/-             | „       | —                                 |       | —                |
| Scaffold boards .. . . . . .                                | 0 1 0½           | Ft. run | 5/- dozen                         |       | —                |
| Wire cords .. . . . . .                                     | 1/1/-            | dozen   | 2/- dozen                         |       | —                |
| Steel wall brackets:  |                  |         |                                   |       |                  |
| 3 boards wide .. . . . . .                                  | 2 5 0            | Per set | 0 4 0                             |       | —                |
| 5 „ „ .. . . . . .  | 3 0 0            | Per set | 0 5 0                             |       | —                |

| Item  | Approximate cost |    |    | Hire charge  |    |    | Fuel consumption |
|---|------------------|----|----|--|----|----|------------------|
|   | £                | s. | d. | £  | s. | d. | Gals./hour       |
| <b>SCREENS AND SIEVES</b>   |                  |    |    |  |    |    |                  |
| 22" gravel sieves, straight mesh.   |                  |    |    |  |    |    |                  |
| Size of mesh: $\frac{1}{8}$ " ..  | 0                | 17 | 6  | —  | —  | —  | —                |
| " " $\frac{1}{4}$ " ..  | 0                | 15 | 6  | —  | —  | —  | —                |
| " " $\frac{3}{8}$ " ..  | 0                | 15 | 6  | —  | —  | —  | —                |
| " " $\frac{1}{2}$ " and $\frac{3}{4}$ " ..  | 0                | 11 | 6  | —  | —  | —  | —                |
| 22" gravel sieves, square mesh<br>(under and over).   |                  |    |    |  |    |    |                  |
| Size of mesh: $\frac{1}{8}$ " ..  | 0                | 17 | 6  | —  | —  | —  | —                |
| " " $\frac{1}{4}$ " ..  | 0                | 15 | 6  | —  | —  | —  | —                |
| " " $\frac{3}{8}$ " ..  | 0                | 15 | 6  | —  | —  | —  | —                |
| " " $\frac{1}{2}$ " and $\frac{3}{4}$ " ..  | 0                | 11 | 6  | —  | —  | —  | —                |
| <b>SHOVELS</b>  |                  |    |    |  |    |    |                  |
| Square-mouth London shovels<br>with riveted eye handles:  |                  |    |    |  |    |    |                  |
| Size No. 2 ..   | 0                | 5  | 4  | —  | —  | —  | —                |
| " 6 ..  | 0                | 5  | 9½ | —  | —  | —  | —                |
| " 10 ..   | 0                | 7  | 1  | —  | —  | —  | —                |
| <b>SHUTTERING</b>   |                  |    |    |  |    |    |                  |
| Steel blaw forms .....  | —                |    |    | 3s. per sq.<br>ft. for 3<br>months 6d<br>per sq. ft.<br>per month<br>after |    |    | —                |
| <b>SPREADING MACHINES</b>   |                  |    |    |  |    |    |                  |
| Petrol concrete-spreading machines, adjustable, 10'-15' .....   | 1650             | 0  | 0  | —  |    |    | Petrol<br>0 50   |
| <b>TARPAULINS</b>   |                  |    |    |  |    |    |                  |
| Tarpaulins, 20' × 15' .....   | 10               | 1  | 3  | 0  | 7  | 6  | —                |
| <b>TRUCK MIXERS</b>   |                  |    |    |  |    |    |                  |
| Petrol truck mixers, 2 yd. cube ..  | 1020             | 0  | 0  | —  |    |    | —                |
| <b>WATCHMAN SHELTERS</b>  |                  |    |    |  |    |    |                  |
| Collapsible type, folding framework of tubular steel, covered with proofed canvas, back rest and seat. Size 6' 0" high by 3' 4" deep and 3' 5" wide ..... | 10               | 13 | 6  | —  |    |    | —                |
| <b>WATER CARTS</b>  |                  |    |    |  |    |    |                  |
| Galvanized steel tank and tubular frame and pneumatic tyred wheels:   |                  |    |    |  |    |    |                  |
| 15 gallons capacity .....   | 5                | 7  | 3  | —  |    |    | —                |
| 20 " " .....  | 5                | 12 | 9  | —  |    |    | —                |
| 25 " " .....  | 5                | 15 | 0  | —  |    |    | —                |
| 30 " " .....  | 5                | 19 | 3  | —  |    |    | —                |

**ESTIMATED VALUE OF LUBRICATING OIL AND GREASE, ROPES AND WAGES (EXCLUDING FUEL)**

| Item  | Lubricating oil and grease | Ropes   | Drivers' and operators' wages | Hours included for site servicing |
|---|----------------------------|---------|-------------------------------|-----------------------------------|
|   | £ s. d.                    | £ s. d. | £ s. d.                       |                                   |
| <b>COMPRESSORS</b>  |                            |         |                               |                                   |
| 60-150 cu. ft. ....   | 1 10 4                     | —       | 6 15 0                        | 6                                 |
| 151-250 „ .....   | 1 16 10                    | —       | 6 15 0                        | 6                                 |
| <b>DUMPERS</b>  |                            |         |                               |                                   |
| 2, 2½, and 3 cu. yds. ...   | 1 0 0                      | —       | 6 15 0                        | 6                                 |
| <b>EXCAVATORS</b>   |                            |         |                               |                                   |
| 1-½ .....   | 1 9 4                      | 0 19 3  | 7 18 6                        | 10                                |
| 1-15 10 .....   | 1 15 10                    | 1 6 3   | 7 18 6                        | 10                                |
| 2-4 6 .....   | 2 4 6                      | 1 16 0  | 7 18 6                        | 10                                |
| 2-4 6 .....   | 2 4 6                      | 2 10 2  | 7 18 6                        | 10                                |
| 2-17 6 .....  | 2 17 6                     | 2 10 2  | 7 18 6                        | 10                                |
| <b>MECHANICAL TRENCHERS</b>   |                            |         |                               |                                   |
| 12/18 type ... ..   | 1 7 9                      | —       | 7 18 6                        | 10                                |
| 25 type .....   | 1 17 9                     | —       | 7 18 6                        | 10                                |
| <b>TRACTORS, alone or with Angle-dozers, Bulldozers, Rippers, Scarifiers, or Scrapers</b> |                            |         |                               |                                   |
| 35-40 H P. ... ..   | 1 3 5                      | 0 12 8  | 7 18 6                        | 10                                |
| 46-60 „ .....   | 1 14 1                     | 1 0 0   | 7 18 6                        | 10                                |
| 61-90 „ .....   | 1 17 4                     | 1 0 0   | 7 18 6                        | 10                                |
| 91-125 „ .....  | 2 9 1                      | 1 7 0   | 7 18 6                        | 10                                |

As regards the drivers' and operators' rates (which are based on a 44-hour working week at plain time rates plus the additional hours customarily paid for site servicing, including starting and greasing of machines), cover is included for Employers' Liability, National Insurance Act, and Third Party Insurances and also paid annual and public holidays. Any hours worked by drivers or operators in excess of 44 a week plus site servicing time are chargeable as an extra at net cost; similarly chargeable is any sum over and above plain time rates paid to drivers and operators as overtime for any part of the 44 hours which is worked during overtime periods.

The rates do not cover subsistence allowances.

**RATES SCHEDULES FOR WEEKLY AND DAILY  
HIRE OF ROAD VEHICLES (RH/D/20) PUB-  
LISHED BY THE ROAD HAULAGE ASSOCIA-  
TION**

*and effective from 2nd February 1948*

*Note.*—These schedules were first issued for the purpose of the hiring of vehicles by the Ministry of Transport, but they have since been adopted by other public bodies, such as Government departments and local authorities and for hiring by the public generally.

**TERMS OF PAYMENT FOR HIRE OF GOODS  
ROAD MOTOR VEHICLES**

**(SHORT DISTANCE AND LOCAL SERVICES)**

1. In these Terms:—

- “ The Minister ” means the Minister of War Transport.
- “ The Standard Rates ” means the rates set out in the Schedule to these Terms.
- “ Consultation ” means consultation with the Road Haulage (Operations) Advisory Committee.
- “ Week ” means seven twenty-four-hour days ending at midnight on Friday.
- “ Day ” means twenty-four hours ending at midnight.
- “ Available ” means in fit condition for the purpose of conveying loads on the road.

2. The rates payable to the Carrier shall be the Standard Rates subject to any adjustments by way of addition or deduction required to meet any current rise or fall in costs of Road Fund Licences, fuel, labour and material or any other costs directly affecting the operation of goods road vehicles generally which in the opinion of the Minister after consultation justify an alteration in the rates.

Such adjustment shall be determined by the Minister after consultation from time to time as necessary and shall take effect as from the date fixed by the Minister after consultation aforesaid and such date may be retrospective and any reference in these terms to the rates or payments in the schedule shall be deemed to include any adjustment to which the rates or payments may be subject under this provision.

3. Payment will be made for every hour in the week (or day as the case may be) including reasonable meal-times but excluding statutory rest times, during which the vehicle is used under the Minister's direction. The vehicle will be

**Rules Schedules for Weekly and Daily Hire of  
Road Vehicles (RH/D/20)**

deemed to be used under the Minister's direction from the time when it leaves its garage (permanent or temporary) for the purpose of complying with the Minister's direction, until the time when its use under that direction has been completed and the vehicle has returned to its garage.

Should, however, the Minister direct that it is necessary for a vehicle in the execution of any order to remain at a place other than its garage overnight, where, apart from that direction, the vehicle would have returned to such garage, the Minister will indemnify the Carrier against any loss or damage (other than Fire, and War damage as defined in the War Damage Act, 1941), directly occasioned to the vehicle by this necessity but excluding any loss or damage occasioned by or resulting from the negligence of the Carrier, his servant or agent. For the purpose of these terms of payment the vehicle shall not, while so remaining, be deemed to be used under the Minister's direction from the time when the driver is discharged for the night to the time when he resumes charge of the vehicle, save that any wages to which the driver is entitled in respect of all or any part of the time spent in travelling to and from a vehicle remaining as aforesaid shall be payable by the Minister.

4. Where a vehicle is hired on a weekly basis the Carrier shall be entitled to the following payments:—

- (a) Every hour for which the vehicle is used during the week shall be paid for at the hourly rate appropriate to the vehicle as set out in Column 3 of the Schedule.
- (b) In addition, if the total mileage of the vehicle run under the Minister's direction during that week when averaged over the number of hours in that week paid for under (a) exceeds the rate of five miles per hour, the excess mileage shall be paid for at the mileage rate appropriate to the vehicle as set out in Column 8 of the Schedule.

Should the Carrier prefer to calculate the weekly payment for any week upon the periods for which the vehicle is available, each period of 3½ hours gross day or night commencing from midnight on Friday for which the vehicle is available (whether used or not) shall for the purpose of (a) and (b) above be reckoned as one hour for which the vehicle is used.

Provided that for the purpose of this Clause a vehicle which ceases to be available shall be deemed not to have become available again until the expiration of 12 hours after the Minister has received notice from the Carrier that the vehicle



***Rates Schedules for Weekly and Daily Hire of  
Road Vehicles (RH/D/20)***

is in a fit condition for the purpose of conveying loads on the road: unless the Minister accepts the vehicle for use for any part of that 12 hours, in which case it shall be deemed to have been available for that part.

5. Where a vehicle is hired on a daily basis, the Carrier shall be entitled to the following payments:—

- (a) Every hour for which the vehicle is used during the day shall be paid for at the hourly rate appropriate to the vehicle as set out in Column 6 of the Schedule. Provided that where the vehicle is available for the whole of the day, the Carrier shall be entitled to a minimum payment at the hourly rate for 8½ hours.
- (b) In addition, if the total mileage of the vehicle during that day when averaged over the number of hours in that day paid for under (a) exceeds the rate of five miles per hour, the excess mileage shall be paid for at the mileage rate appropriate to the vehicle as set out in Column 8 of the Schedule.

6. All reasonable garage expenses will be met save where the Carrier has garage accommodation for the purpose of his own business.

The following additional costs, namely statutory subsistence allowance and statutory additions to wages for Sunday and authorized holidays will be paid where in the opinion of the Minister such additional costs have been properly and necessarily incurred by the Carrier in the performance of the agreement.

7. Mileage payments will be calculated on the basis of actual mileages approved by the Minister as necessary for the proper carrying out of the Carrier's instructions.

8. In cases where box bodies or other special fitments are provided on the vehicles hired the Minister will pay an extra allowance as agreed from time to time after consultation, save where the vehicles concerned are of a carrying capacity of 15 cwt. or less.

9. For the purpose of the Schedule the carrying capacity shall be as agreed between the Minister and the Carrier, provided that where in the case of any class of vehicles the Minister after consultation has fixed the gross laden weight of the class the carrying capacity of any vehicle within that class shall be deemed to be the difference between the gross laden weight so fixed and the weight of the vehicle when fully equipped and fuelled for carrying goods on the road.

**Rates Schedules for Weekly and Daily Hire of Road Vehicles (RH/D/20)**

(SHORT DISTANCE AND LOCAL SERVICES.) LONDON AREA

(1) (2) (3) (4) (5) (6) (7) (8)

| Carrying capacities to nearest half-ton or quarter-ton | Weekly hire  |   |   | Daily hire  |   |   | Rate per mile (weekly, daily and hourly hire) in excess of 220, 40 and 5 respectively |            |
|--|--|---|---|---|---|---|---|------------|
|  | Payment for week of 44 hours (including miles up to 220) | Rate per hour for 44 per week (including miles up to 5) | Rate per hour for excess of 44 per week | Payment for day of 8 hours (including miles up to 40) | Rate per hour (daily hire) for 44-hour week (including miles up to 5) | Rate per hour (daily hire) for hours in excess of 44 per week | A. Non-tippers  | B. Tippers |
|  | £ s. d.  | s. d.   | s. d.                                   | £ s. d.   | s. d.   | s. d.   | s. d.   | s. d.      |
| 1  | 10 5 4   | 4 8   | 4 2                                     | 1 19 4  | 4 11  | 4 5   | 2 2   | 2 2        |
| 1  | 11 0 0   | 5 0   | 4 6                                     | 2 2 8   | 5 4   | 4 9   | 2 2   | 2 2        |
| 1  | 11 18 4  | 5 5   | 4 9                                     | 2 5 4   | 5 8   | 5 0   | 3   | 3          |
| 1  | 12 16 8  | 5 10  | 5 2                                     | 2 9 4   | 6 2   | 5 6   | 3 2   | 3 2        |
| 2  | 14 9 8   | 6 7   | 5 10                                    | 2 15 4  | 6 11  | 6 2   | 3 2   | 3 2        |
| 2  | 15 15 4  | 7 2   | 6 4                                     | 3 0 8   | 7 7   | 6 8   | 4 1   | 4 1        |
| 2  | 16 17 4  | 7 8   | 6 10                                    | 3 4 0   | 8 0   | 7 2   | 4 1   | 4 1        |
| 3  | 17 19 4  | 8 2   | 7 3                                     | 3 8 8   | 8 7   | 7 7   | 4 2   | 4 2        |
| 3  | 19 1 4   | 8 8   | 7 8                                     | 3 12 8  | 9 1   | 8 1   | 5   | 5 2        |
| 4  | 19 16 0  | 9 0   | 7 11                                    | 3 15 4  | 9 5   | 8 4   | 5 2   | 5 2        |
| 4  | 20 14 4  | 9 5   | 8 4                                     | 3 18 8  | 9 10  | 8 9   | 5 2   | 5 2        |
| 5  | 21 9 0   | 9 9   | 8 8                                     | 4 1 4   | 10 2  | 9 1   | 6   | 6          |
| 5  | 22 14 8  | 10 4  | 9 2                                     | 4 6 0   | 10 9  | 9 7   | 6 2   | 6 2        |
| 6  | 24 0 4   | 10 11   | 9 8                                     | 4 11 4  | 11 5  | 10 2  | 7 1   | 7 1        |
| 6  | 25 2 4   | 11 5  | 10 2                                    | 4 16 0  | 12 0  | 10 8  | 7 1   | 7 1        |

NOTES.—1. These rates apply to vehicles based or used in the London Wage Area.

2. Rates normally apply to distances up to a radius of 25 miles.

3. The above weekly, daily and hourly rates apply only to vehicles employed on work other than tipping.

4. For tipping vehicles employed on tipping work, the weekly, daily and hourly rates are subject to an increase of 8%.

5. The rate per mile for excess miles should be calculated at the appropriate rate shown in Column 8B where a tipping vehicle is used on tipping work; or as shown in Column 8A in any other case.

**Rates Schedules for Weekly and Daily Hire of Road Vehicles (RH/D/20)**

(SHORT DISTANCE AND LOCAL SERVICES.) LONDON AREA

| (1)<br>Carrying capacities to nearest half-ton or quarter-ton | (2)  |  | (3)<br>Weekly hire                      |   | (4)   |   | (5)   |   | (6)            |  | (7)        | (8) |  |
|---|--|--|---|---|---|---|---|---|----------------|--|------------|-----|--|
|   | Payment for week of 44 hours (including miles up to 220) | Rate per hour for 44 hours up to 44 per week (including miles up to 5) | Rate per hour for excess of 44 per week | Payment for day of 8 hours (including miles up to 40) | Rate per hour (daily hire) for 44-hour week (including miles up to 5) | Rate per hour (daily hire) for hours in excess of 44 per week | Rate per hour (daily hire) for hours in excess of 44 per week | Rate per mile (weekly, daily and hourly hire) in excess of 220, 40 and 5 respectively | A. Non-tippers |  | B. Tippers |     |  |
| 7   | £ s d.<br>26 19 0  | s d.<br>12 3   | s. d.<br>10 10                          | £ s d.<br>5 2 8                                       | s d.<br>12 10   | s. d.<br>11 5   | d<br>7½   | d<br>9  |                |  |            |     |  |
| 7½  | 28 4 8   | 12 10  | 11 4                                    | 5 7 4   | 13 5  | 11 11   | 8   | 9½  |                |  |            |     |  |
| 8   | 29 10 4  | 13 5   | 11 11                                   | 5 12 0  | 14 0  | 12 6  | 8½  | 9½  |                |  |            |     |  |
| 8½  | 30 12 4  | 13 11  | 12 4                                    | 5 16 8  | 14 7  | 13 0  | 8½  | 9½  |                |  |            |     |  |
| 9   | 32 1 8   | 14 7   | 12 11                                   | 6 2 0   | 15 3  | 13 7  | 9   | 10½   |                |  |            |     |  |
| 9½  | 33 0 0   | 15 0   | 13 4                                    | 6 6 0   | 15 9  | 14 0  | 9   | 10½   |                |  |            |     |  |
| 10  | 34 9 4   | 15 8   | 13 10                                   | 6 11 4  | 16 5  | 14 7  | 9½  | 10½   |                |  |            |     |  |
| 10½   | 35 0 4   | 15 11  | 14 1                                    | 6 13 4  | 16 8  | 14 10   | 9½  | 10½   |                |  |            |     |  |
| 11  | 35 15 0  | 16 3   | 14 5                                    | 6 16 0  | 17 0  | 15 2  | 9½  | 10½   |                |  |            |     |  |
| 11½   | 36 9 8   | 16 7   | 14 8                                    | 6 18 8  | 17 4  | 15 5  | 9½  | 10½   |                |  |            |     |  |
| 12  | 37 8 0   | 17 0   | 15 1                                    | 7 2 8   | 17 10   | 15 11   | 9½  | 10½   |                |  |            |     |  |
| 12½   | 37 19 0  | 17 3   | 15 4                                    | 7 4 8   | 18 1  | 16 2  | 9½  | 10½   |                |  |            |     |  |
| 13  | 38 13 8  | 17 7   | 15 7                                    | 7 7 4   | 18 5  | 16 5  | 9½  | 10½   |                |  |            |     |  |
| 13½   | 39 4 8   | 17 10  | 15 10                                   | 7 9 4   | 18 8  | 16 8  | 9½  | 10½   |                |  |            |     |  |
| 14-15   | 39 15 8  | 18 1   | 16 1                                    | 7 12 0  | 19 0  | 16 11   | 10  | 11½   |                |  |            |     |  |

NOTES — 1. These rates apply to vehicles based or used in the London Wage Area.

2. Rates normally apply to distances up to a radius of 25 miles.

3. The above weekly, daily and hourly rates apply only to vehicles employed on work other than tipping

4. For tipping vehicles employed on tipping work, the weekly, daily and hourly rates are subject to an increase of 8%

5. The rate per mile for excess miles should be calculated at the appropriate rate shown in Column 8B where a tipping vehicle is used on tipping work; or as shown in Column 8A in any other case.

**Rates Schedules for Weekly and Daily Hire of Road Vehicles (RH/D/20)**  
(SHORT DISTANCE AND LOCAL SERVICES.) GRADE I AREAS

| (1)<br>Carrying capacities to nearest half-ton or quarter-ton | (2)<br>Weekly hire  |  |  | (3)<br>Daily hire  |  |       | (8)<br>Rate per mile (weekly, daily and hourly hire) in excess of 220, 40 and 5 respectively |
|---|---|--|--|--|--|-------|--|
|   | (4)<br>Payment for week of 44 hours (including miles up to 220) | (5)<br>Rate per hour for 44 per week (including miles up to 5) | (6)<br>Payment for day of 8 hours (including miles up to 40) | (7)<br>Rate per hour (daily hire) for hours in excess of 44 per week | (8)<br>Rate per hour (daily hire) for hours in excess of 44 per week |       |  |
| 1   | £ 9 18 0  | s. 4 6   | £ 1 18 0   | s. 4 9   | s. 4 3   | d. 2½ | A. Non-tippers   |
| 1½  | 10 9 0  | 4 9 0  | 2 0 0  | 5 0  | 4 6  | 2½    | d. 2½  |
| 2   | 11 0 0  | 5 0 0  | 2 2 8  | 5 4  | 4 9  | 3     | 3  |
| 2½  | 12 5 8  | 5 7 4  | 2 7 4  | 5 11   | 5 3  | 3½    | 3½   |
| 3   | 13 15 0   | 6 3  | 2 12 8   | 6 7  | 5 10   | 4     | 4½   |
| 3½  | 14 17 0   | 6 9 0  | 2 16 8   | 7 1  | 6 4  | 4½    | 5  |
| 4   | 16 17 4   | 7 5  | 3 2 0  | 7 9  | 6 11   | 4½    | 5½   |
| 4½  | 18 3 0  | 8 3  | 3 4 0  | 8 0  | 7 2  | 5     | 5½   |
| 5   | 18 17 8   | 8 7  | 3 10 0   | 8 9  | 7 9  | 5½    | 6½   |
| 5½  | 19 16 0   | 9 0  | 3 12 4   | 9 0  | 8 0  | 5½    | 6½   |
| 6   | 20 10 8   | 9 4  | 3 18 0   | 9 9  | 8 4  | 6     | 7  |
| 6½  | 21 16 4   | 9 11   | 4 2 8  | 10 4   | 9 2  | 6½    | 7½   |
|   | 22 14 8   | 10 4   | 4 6 8  | 10 10  | 9 8  | 7½    | 8½   |
|   | 24 0 4  | 10 11  | 4 11 4   | 11 5   | 10 2   | 7½    | 8½   |

NOTES.—1. These rates apply to vehicles based and used in a Grade I Wage Area or transferred thereto from a Grade II Area.  
 2. Rates normally apply to distances up to a radius of 25 miles.  
 3. The above weekly, daily and hourly rates apply only to vehicles employed on work other than tipping.  
 4. For tipping vehicles employed on tipping work, the weekly, daily and hourly rates are subject to an increase of 8%.  
 5. The rate per mile for excess miles should be calculated at the appropriate rate shown in Column 8B where a tipping vehicle is used on tipping work; or as shown in Column 8A in any other case.

### Rates Schedules for Weekly and Daily Hire of Road Vehicles (RH/D/20)

(SHORT DISTANCE AND LOCAL SERVICES.) GRADE I AREAS

(8)

(7)

(6)

(5)

(4)

(3)

(2)

(1)

| Carrying capacities to nearest half-ton or quarter-ton | Weekly hire  |  |   |   | Daily hire  |   |   |                | Rate per mile (weekly, daily and hourly hire) in excess of 220, 40 and 5 respectively |  |
|--|--|--|---|---|---|---|---|----------------|---|--|
|  | Payment for week of 44 hours (including miles up to 220) | Rate per hour for 44 hours up to 44 per week (including miles up to 5) | Rate per hour for 44 hours in excess of 44 per week | Payment for day of 8 hours (including miles up to 40) | Rate per hour (daily hire) for 44-hour week (including miles up to 5) | Rate per hour for hire for hours in excess of 44 per week | Rate per hour (daily hire) for 44-hour week (including miles up to 5) |                |   |  |
|  | £ s. d.  | s. d.  | s. d.   | £ s. d.   | s. d.   | s. d.   | s. d.   | A. Non-tippers | B. Tippers  |  |
| 7  | 25 9 8   | 11 7   | 10 4  | 4 18 0  | 12 3  | 10 11   | 12 3  | 7½             | d.  |  |
| 7½   | 26 19 0  | 12 3   | 10 10   | 5 2 8   | 12 10   | 10 11   | 12 10   | 8              | 9½  |  |
| 8  | 28 4 8   | 12 10  | 11 4  | 5 7 4   | 13 5  | 11 5  | 13 5  | 8½             | 9½  |  |
| 8½   | 29 3 0   | 13 3   | 11 9  | 5 11 4  | 13 11   | 11 11   | 13 11   | 8½             | 9½  |  |
| 9  | 30 12 4  | 13 11  | 12 4  | 5 16 8  | 14 7  | 12 5  | 14 7  | 9              | 10½   |  |
| 9½   | 31 10 8  | 14 4   | 12 9  | 6 0 0   | 15 0  | 13 5  | 15 0  | 9              | 10½   |  |
| 10   | 32 16 4  | 14 11  | 13 3  | 6 6 0   | 16 0  | 14 0  | 16 0  | 9½             | 10½   |  |
| 10½  | 33 7 4   | 15 2   | 13 6  | 6 10 8  | 16 4  | 14 6  | 16 4  | 9½             | 10½   |  |
| 11   | 34 5 8   | 15 7   | 13 9  | 6 12 8  | 16 7  | 14 9  | 16 7  | 9½             | 10½   |  |
| 11½  | 34 16 8  | 15 10  | 14 0  | 6 16 0  | 17 0  | 15 2  | 17 0  | 9½             | 11  |  |
| 12   | 35 11 4  | 16 2   | 14 4  | 6 18 0  | 17 3  | 15 5  | 17 3  | 9½             | 11  |  |
| 12½  | 36 6 0   | 16 6   | 14 7  | 7 0 8   | 17 7  | 15 8  | 17 7  | 9½             | 11  |  |
| 13   | 36 17 0  | 16 9   | 14 10   | 7 2 8   | 17 10   | 15 11   | 17 10   | 9½             | 11  |  |
| 13½  | 37 8 0   | 17 0   | 15 1  | 7 4 8   | 18 1  | 16 2  | 18 1  | 10             | 11½   |  |
| 14-15  | 37 19 0  | 17 3   | 15 4  | 7 4 8   | 18 1  | 16 2  | 18 1  | 10             | 11½   |  |

NOTES.—1. These rates apply to vehicles based and used in a Grade I Wage Area or transferred thereto from a Grade II Area.

2. Rates normally apply to distances up to a radius of 25 miles.

3. The above weekly, daily and hourly rates apply only to vehicles employed on work other than tipping.

4. For tipping vehicles employed on tipping work, the weekly, daily and hourly rates are subject to an increase of 8%.

5. The rate per mile for excess miles should be calculated at the appropriate rate shown in Column 8B where a tipping vehicle is used on tipping work; or as shown in Column 8A in any other case.

**Rates Schedules for Weekly and Daily Hire of Road Vehicles (RH/D/20)**

(SHORT DISTANCE AND LOCAL SERVICES) GRADE II AREAS

| (1)<br>Carrying capacities to nearest half-ton or quarter-ton | (2)  |       | (3)  |    | (4)   |       | (5)   |       | (6)   |    | (7)   |    | (8)   |            |
|---|--|-------|--|----|---|-------|---|-------|---|----|---|----|---|------------|
|   | Payment for week of 44 hours (including miles up to 220) |       | Rate per hour for 44 hours up to 44 per week (including miles up to 5) |    | Rate per hour (daily hire) for 44-hour week (including miles up to 5) |       | Payment for day of 8 hours (including miles up to 40) |       | Rate per hour (daily hire) for 44-hour week (including miles up to 5) |    | Rate per hour (daily hire) for hours in excess of 44 per week |    | Rate per mile (weekly, daily and hourly hire) in excess of 220, 40 and 5 respectively |            |
|   | £  | s. d. | s.   | d. | £   | s. d. | £   | s. d. | s.  | d. | s.  | d. | A. Non-tippers  | B. Tippers |
| 1   | 9  | 14    | 4  | 4  | 3   | 11    | 1   | 17    | 4   | 4  | 8   | 2  | 2   | d.         |
| 1   | 10   | 5     | 4  | 4  | 4   | 2     | 1   | 19    | 4   | 4  | 5   | 2  | 2   | 2          |
| 1   | 10   | 16    | 4  | 4  | 4   | 5     | 2   | 2     | 0   | 5  | 3   | 4  | 3   | 3          |
| 1   | 12   | 2     | 0  | 5  | 4   | 10    | 2   | 6     | 8   | 5  | 10  | 5  | 2   | 3          |
| 1   | 13   | 11    | 4  | 6  | 5   | 5     | 2   | 12    | 0   | 6  | 6   | 5  | 2   | 4          |
| 2   | 14   | 13    | 4  | 6  | 5   | 11    | 2   | 16    | 0   | 7  | 0   | 6  | 3   | 5          |
| 2   | 15   | 19    | 0  | 7  | 6   | 5     | 3   | 0     | 8   | 7  | 7   | 6  | 9   | 5          |
| 3   | 16   | 13    | 8  | 7  | 7   | 7     | 3   | 3     | 4   | 7  | 11  | 7  | 1   | 5          |
| 3   | 17   | 15    | 8  | 8  | 7   | 2     | 3   | 8     | 8   | 8  | 7   | 7  | 7   | 5          |
| 4   | 18   | 6     | 8  | 8  | 7   | 5     | 3   | 10    | 8   | 10 | 5   | 7  | 10  | 6          |
| 4   | 19   | 16    | 0  | 9  | 7   | 11    | 3   | 15    | 4   | 9  | 5   | 8  | 4   | 6          |
| 5   | 20   | 3     | 4  | 9  | 8   | 1     | 3   | 16    | 8   | 9  | 7   | 8  | 6   | 6          |
| 5   | 21   | 1     | 8  | 9  | 7   | 7     | 4   | 0     | 0   | 10 | 0   | 8  | 11  | 7          |
| 6   | 22   | 7     | 4  | 10 | 6   | 6     | 4   | 5     | 4   | 10 | 8   | 9  | 6   | 7          |
| 6   | 23   | 5     | 8  | 10 | 7   | 5     | 4   | 8     | 8   | 11 | 1   | 9  | 11  | 8          |

NOTES.—1. These rates apply to vehicles based and used in a Grade II Wage Area.

2. Rates normally apply to distances up to a radius of 25 miles.

3. The above weekly, daily and hourly rates apply only to vehicles employed on work other than tipping.

4. For tipping vehicles employed on tipping work, the weekly, daily and hourly rates are subject to an increase of 8%.

5. The rate per mile for excess miles should be calculated at the appropriate rate shown in Column 8A where a tipping vehicle is used on tipping work; or as shown in Column 8A in any other case.

**Rates Schedules for Weekly and Daily Hire of Road Vehicles (RH/D/20)**

(SHORT DISTANCE AND LOCAL SERVICES.) GRADE II AREAS

| (1)<br>Carrying capacities to nearest half-ton or quarter-ton | (2)  |    | (3)   |    | (4)   |    | (5)   |   | (6)   |    | (7)  |    | (8)   |               |
|---|--|----|---|----|---|----|---|---|---|----|--|----|---|---------------|
|   | Payment for week of 44 hours (including miles up to 220) |    | Rate per hour for 44 per week (including miles up to 5) |    | Rate per hour for 44 per week excess of 44 per week |    | Payment for day of 8 hours (including miles up to 40) |   | Rate per hour (daily hire) for 44-hour week (including miles up to 5) |    | Rate per hour (daily hire) for excess of 44 per week |    | Rate per mile (weekly, daily and hourly hire) in excess of 220, 40 and 5 respectively |               |
|   | £  | s. | d.  | s. | d.  | s. | d.  | £ | s.  | d. | s.   | d. | A.<br>Non-tippers   | B.<br>Tippers |
| 7   | 24   | 18 | 8   | 11 | 4   | 10 | 1   | 4 | 16  | 0  | 10   | 8  | 7½  | 9             |
| 7½  | 26   | 8  | 0   | 12 | 0   | 10 | 7   | 0 | 0   | 0  | 11   | 2  | 8   | 9½            |
| 8   | 27   | 10 | 0   | 12 | 6   | 11 | 1   | 8 | 5   | 4  | 11   | 8  | 8½  | 9½            |
| 8½  | 28   | 12 | 0   | 13 | 0   | 11 | 6   | 4 | 5   | 9  | 12   | 2  | 8½  | 9½            |
| 9   | 30   | 1  | 4   | 13 | 8   | 12 | 1   | 8 | 5   | 14 | 12   | 9  | 9   | 10½           |
| 9½  | 30   | 16 | 0   | 14 | 0   | 12 | 5   | 0 | 5   | 18 | 14   | 10 | 9   | 10½           |
| 10  | 32   | 1  | 8   | 14 | 7   | 12 | 11  | 4 | 6   | 3  | 13   | 1  | 9½  | 10½           |
| 10½   | 32   | 12 | 8   | 14 | 10  | 13 | 2   | 4 | 6   | 5  | 13   | 8  | 9½  | 10½           |
| 11  | 33   | 3  | 8   | 15 | 1   | 13 | 5   | 4 | 6   | 7  | 14   | 2  | 9½  | 10½           |
| 11½   | 33   | 18 | 4   | 15 | 5   | 13 | 8   | 4 | 6   | 9  | 14   | 5  | 9½  | 10½           |
| 12  | 34   | 16 | 8   | 15 | 10  | 14 | 0   | 4 | 6   | 13 | 14   | 10 | 9½  | 11            |
| 12½   | 35   | 7  | 8   | 16 | 1   | 14 | 3   | 4 | 6   | 15 | 15   | 1  | 9½  | 11            |
| 13  | 35   | 18 | 8   | 16 | 4   | 14 | 6   | 4 | 6   | 17 | 15   | 4  | 9½  | 11            |
| 13½   | 36   | 9  | 8   | 16 | 7   | 14 | 8   | 4 | 6   | 19 | 15   | 6  | 9½  | 11            |
| 14-15   | 37   | 4  | 4   | 16 | 11  | 15 | 0   | 0 | 7   | 2  | 17   | 9  | 10  | 11½           |

NOTES.—1. These rates apply to vehicles based and used in a Grade II Wage Area.

2. Rates normally apply to distances up to a radius of 25 miles

3. The above weekly, daily and hourly rates apply only to vehicles employed on work other than tipping.

4. For tipping vehicles employed on tipping work, the weekly, daily and hourly rates are subject to an increase of 8%.

5. The rate per mile for excess miles should be calculated at the appropriate rate shown in Column 8B where a tipping vehicle is used on tipping work; or as shown in Column 8A in any other case.

# PRICES FOR MEASURED WORK

## PRELIMINARIES

METHODS of estimating vary. Some contractors by suitably modifying the percentage loading factor covering overheads and profit include in their "Prices for Measured Work" items which others price separately in the "Preliminaries". The method of pricing the "Preliminaries" adopted here is consistent with the remaining prices in this book.

The R.I.B.A. Conditions of Contract have been used to indicate a typical contract; other forms of contract vary, and particular attention should be paid to the "Fluctuations" clause, as for instance in the Ministry of Works CCC/Wks/1 Form the net cost of the items given under this heading are recoverable and need not be included in the tender.

*N.B.*—The examples worked out and priced in the money column give prices for a typical contract of the value of £40,000, estimated to take 52 weeks to complete.

### THE SITE

#### Temporary Roadways.

These are today usually constructed of hardcore as sleepers are practically unobtainable; in cases of long and heavy use on bad sites, it may be more economical to provide a concrete road. Allowance must be made for maintenance according to length of use and the state of the site, etc. Normal barrow runs are not allowed for here, as the labour is included in the measured prices and the use and waste of boards, barrows, etc., is taken with plant hereafter.

*Allowance for 150' run 12' wide temporary road.*

| <i>Yds.</i>                      |              | £  | s. | d. |     | £ | s. | d. |
|----------------------------------|--------------|----|----|----|-----|---|----|----|
| 200 Super.                       |              |    |    |    |     |   |    |    |
| <i>Excavate average 6" deep</i>  | <i>11½d.</i> | 9  | 12 | 8  |     |   |    |    |
| <i>6" Hardcore</i> . . . . .     | <i>2/5</i>   | 24 | 4  | 4  |     |   |    |    |
|                                  |              | 34 | 17 | 0  |     |   |    |    |
| <i>Allow for maintenance</i> . . | <i>30%</i>   | 10 | 9  | 1  |     |   |    |    |
| <i>Break up and cart away</i>    |              |    |    |    |     |   |    |    |
| <i>at completion</i> . . . . .   |              | 40 | 0  | 0  | 85  | 6 | 0  |    |
| <i>Continued</i> . . . . .       |              |    |    |    | £85 | 6 | 0  |    |



**Preliminaries**

|   | £           | s.       | d.       |
|---|-------------|----------|----------|
| <i>Continued</i> .....  | 85          | 6        | 0        |
| <b>Confinement of Employees to site</b>   |             |          |          |
| Where gardens and the like, allow for the use of second-hand fencing and removal, say 2s. 0d. yd. run.....  |             | —        |          |
| <b>R.I.B.A. CONDITIONS OF CONTRACT</b>  |             |          |          |
| 1. <b>Scope of Contract.</b> — <i>Not priced</i> .....  |             | —        |          |
| 2. <b>Drawings and Bills of Quantities.</b><br><i>Not priced</i> unless abnormal number of copies of documents are required .....   |             | —        |          |
| 3. <b>Local and Other Authorities' Notices and Fees.</b><br><i>Not priced</i> unless fees will be incurred, e.g. licence for hoarding and scaffolding in the City of London. For District Surveyors' fees, see Part III .....   |             | —        |          |
| 4. <b>Setting out Works.</b> — <i>Not priced</i> .....  |             | —        |          |
| 5. <b>Materials and Workmanship to conform to Description.</b><br>Frequently <i>not priced</i> . If a series of tests have to be made by an independent authority an allowance may be made .....  | 10          | 0        | 0        |
| 6. <b>Foreman.</b><br>Multiply the estimated contract time in weeks by the foreman's salary and expenses.<br><i>52 weeks at £10 10s. 0d. week (salary and expenses) and add 2½% for profit</i> .....  | 559         | 13       | 0        |
| It is convenient to include under the above heading for any staff that will be employed on site, such as surveyors, cost clerks and time-keepers, etc. These naturally vary with the size of the job and its remoteness from office control. Basis of computation is the same as for the foreman.<br><i>52 weeks timekeeper at £5 10s. 0d. week (salary and expenses) and add 2½% for profit</i> .... | 293         | 3        | 0        |
| 7. <b>Access for Architect to Works.</b> — <i>Not priced</i> ..   |             | —        |          |
| 8. <b>Clerk of Works.</b> — <i>Not priced</i> .....   |             | —        |          |
| 9. <b>Ascertainment of Prices for Variations, etc.</b><br><i>Not priced</i> .....   |             | —        |          |
| <i>Continued</i> .....  | <u>£948</u> | <u>2</u> | <u>0</u> |

**Preliminaries**

|   | £      | s. | d.  |
|---|--------|----|-----|
| <i>Continued</i> .....  | 948    | 2  | 0   |
| <b>10. Bills of Quantities.</b><br><i>Not priced</i> unless the contractor is called upon to pay the Quantity Surveyor's fees, when, see Part III .....   |        | —  |     |
| <b>11. Unfixed Materials when taken into Account to be the Property of the Employer.—Not priced</b> .....   |        | —  |     |
| <b>12. Defects after Completion.</b><br>Dependent on value of contract. Allow $\frac{1}{4}\%$ for contracts up to £5000, $\frac{3}{8}\%$ for contracts between £5000 and £10,000, and $\frac{1}{2}\%$ for contracts over £10,000.<br>$\frac{1}{2}\%$ of £40,000 .....   |        | 50 | 0 0 |
| <b>13. Assignment or Subletting.—Not priced</b> ....  |        | —  |     |
| <b>14. Injury to Persons and Property.</b><br>The premium for insuring against Employer's Liability, Third Party, and Damage to Property is approximately 11s. 0d. % of the value of the wages. Deduct from the estimated value of the contract all provisional sums and the amounts allowed for sub-contractors and nominated sub-contractors. (Their prices will include for this insurance.) Allow (say) 40% of the remainder of the contract as labour. |        |    |     |
| <i>Contract value</i> .....   | 40,000 | 0  | 0   |
| <i>Deduct provisional sums and sub-contractors (say)</i> .....  | 18,000 | 0  | 0   |
|   | 22,000 | 0  | 0   |
| <i>40% labour value</i> .....   | 8,800  | 0  | 0   |
| <i>11s. 0d. % on above.</i>   |        | 48 | 8 0 |
| <b>15. Insurance (Fire).</b><br>If at the contractor's risk, allow 1s. 0d. to 1s. 6d. per cent. of the contract value, depending upon the type of building.   |        |    |     |
| <i>Contract value</i> .....   | 40,000 | 0  | 0   |
| <i>1s. 3d. % Fire Insurance.</i>  |        | 25 | 0 0 |
| <b>16. Date for Possession and Completion.—Not priced</b> .....   |        | —  |     |
| <b><i>Continued</i></b> .....   | £1,071 | 10 | 0   |

**Preliminaries**

|  | £      | s. | d. |
|--|--------|----|----|
| <i>Continued</i> .....   | £1,071 | 10 | 0  |
| 17. Damages for Non-Completion.— <i>Not priced</i>   |        | —  |    |
| 18. Delay and Extension of Time.— <i>Not priced.</i>   |        | —  |    |
| 19. Determination by Employer.— <i>Not priced</i> ..   |        | —  |    |
| 20. Determination by Contractor.— <i>Not priced</i> .  |        | —  |    |
| 21. Nominated Sub-Contractors.<br><i>Not priced</i> here, but 5% for profit and 2½% to 5% for attendance are added at the appropriate places in the Estimate .....   |        | —  |    |
| 22. Nominated Suppliers.<br><i>Not priced</i> here, but 5% to 10% for profit is added at the appropriate places in the Estimate .....  |        | —  |    |
| 23. Artists and Tradesmen.— <i>Not priced</i> .....  |        | —  |    |
| 24. Certificates and Payments.— <i>Not priced</i> ...  |        | —  |    |
| 25. Fluctuations.<br>Under Clause 25A of the R.I.B.A. Conditions of Contract, the contractor has to allow not only for current rates of wages but also for all emoluments and expenses payable to operatives in accordance with the Working Rules. The following items, if applicable to the contract, are those for which a contractor should make an allowance in the Preliminaries. |        |    |    |
| <b>Operatives Transferred from a Higher Graded District</b> ( <i>see Working Rule</i> ).   |        |    |    |
| Multiply the number of hours that the operatives are estimated to be on the site by the difference between the two rates, plus profit.   |        |    |    |
| <i>A Ganger and a Leading Carpenter working 44 hours per week, are transferred from the London District, 12 miles radius.</i>  |        |    |    |
|  | £      | s. | d. |
| 44 × 52 = 2288 hours Ganger at ½d.   | 2      | 7  | 8  |
| 44 × 35 = 1540 hours Leading Carpenter at ½d. ....   | 3      | 4  | 2  |
|  | 5      | 11 | 10 |
| Add 2½% for profit .....   | 0      | 2  | 10 |
|  | 5      | 14 | 8  |
| <i>Continued</i> .....   | £1,077 | 4  | 8  |

**Preliminaries**

*Continued* ..... £ 1,077 s. 4 d. 8

**Fluctuations—continued**

**Lodging or subsistence allowance (see Working Rule).**

Two operatives are sent to the job which necessitates their living in lodgings for periods of 52 and 35 weeks respectively (they would in this example be transferred from a region outside the London Area.

|                           | £   | s. | d.  |
|---------------------------|-----|----|-----|
| $7 \times 52 = 364$ days. |     |    |     |
| $7 \times 35 = 245$ days. |     |    |     |
| 609 days at 5s. 0d. ....  | 152 | 5  | 0   |
| Add 2½% for profit .....  | 3   | 16 | 0   |
|                           | 156 |    | 1 0 |

**Operatives sent out who do not travel daily (see Working Rule).**

The above operatives are entitled to be conveyed, or have their fare paid, at periodic intervals to and from the Contractors shop or yard, and to travelling time one way only at plain time rates. The distance the operative is sent determines the "periodic leave" interval.

| <i>Fares:</i>                     | £ | s. | d. |
|-----------------------------------|---|----|----|
| 2 single journeys at 6s. ....     | 0 | 12 | 0  |
| 12 return journeys at 12s. ....   | 7 | 4  | 0  |
| 2 single journeys at 6s. ....     | 0 | 12 | 0  |
| 8 return journeys at 12s. . . . . | 4 | 16 | 0  |

**Travelling Time:**

|   |   |    |    |
|---|---|----|----|
| <i>Labourer 14 journeys of 2½ hours</i>                                   |   |    |    |
| = 35 hours at 2s. 3½d. ....   | 4 | 0  | 11 |
| <i>Leading bricklayer 10 journeys of 2½ hours = 25 hours at 2s. 10½d.</i> | 3 | 11 | 11 |

|                          |    |    |     |
|--------------------------|----|----|-----|
|                          | 20 | 16 | 10  |
| Add 2½% for profit ..... | 0  | 10 | 5   |
|                          | 21 |    | 7 3 |

*Continued* ..... £1,254 12 11

**Preliminaries**

*Continued* ..... £ s. d.  
1,254 12 11

**Fluctuations—continued.****Daily travelling and fare allowances** (see *London Working Rule*).

Calculate in a similar manner to Third Party and Employers Liability Insurance and allow 7¼% of the labour value.

|                                     | £     | s. | d. |
|-------------------------------------|-------|----|----|
| <i>Labour value as before</i> ..... | 8,800 | 0  | 0  |
| 7¼% .....                           | 638   | 0  | 0  |
| Add 2½% for profit .....            | 15    | 19 | 0  |
|                                     | <hr/> |    |    |
|                                     | 653   | 19 | 0  |

**Guaranteed time** (see *Working Rule*).

Calculate in a similar manner to Third Party and employers Liability Insurance and allow 2½% of the labour value.

|                                     | £     | s. | d. |
|-------------------------------------|-------|----|----|
| <i>Labour value as before</i> ..... | 8,800 | 0  | 0  |
| 2½% .....                           | 220   | 0  | 0  |
| Add 2½% for profit .....            | 5     | 10 | 0  |
|                                     | <hr/> |    |    |
|                                     | 225   | 10 | 0  |

**Overtime and Night Work.**

Should it be necessary to work either overtime or night work, the contractor must estimate the number of hours required and multiply them by the correct rate provided in the Working Rules, adding for any additional supervision, incidental expenses and overheads and profit.

*Not priced* ..... —

25. **War Risks and War Damage.**—*Not priced* . —

26. **Arbitration.**—*Not priced* ..... —

*Continued* ..... £2,134 1 11

**Preliminaries**

|                        |         |      |       |
|------------------------|---------|------|-------|
| <i>Continued</i> ..... | £ 2,134 | s. 1 | d. 11 |
|------------------------|---------|------|-------|

**OTHER FACTORS**

In addition to the above clauses contained in the R.I.B.A. Form of Contract, Specifications often contain additional clauses in the "Preliminaries" against which the contractor has to make a monetary allowance. These may be peculiar to a special job or general, such as:

**Sureties.**

Contracts with Local Authorities often require the contractor to provide sureties for the fulfilment of work. The usual method of providing this is by means of a bond provided by an insurance company, whose charge varies from 8s. 0d. to 10s. 0d. per cent. according to the risk. *Not priced* .....

**National Insurance Act, 1946.**

The contribution of the Employer is, at present, 4s. 2d. per week per operative (men between the ages of 18 and 70—for full details see "Appendices"). Based on a 44-hour week at 2s. 3½d. an hour for labourers and 2s. 10½d. for craftsmen, this represents 4·10% and 3·30% respectively, or, say, 3·70% average. Calculate in a similar manner to Third Party and Employers Liability Insurance .....

|   | £         | s.    | d.    |
|---|-----------|-------|-------|
| <i>Contract value</i> .....                               | 40,000    | 0     | 0     |
| <i>Deduct provisional sums, and sub-contractors</i> ..... | 18,000    | 0     | 0     |
|   | 22,000    | 0     | 0     |
| <br><i>40% labour value</i> .....                         | <br>8,800 | <br>0 | <br>0 |
| <i>3·70% on the above.</i>                                |           | 325   | 12 0  |
| <i>Continued</i> .....                                    | £2,459    | 13    | 11    |

**Preliminaries**

£    s.    d.  
Continued ..... 2,459 13 11

**OTHER FACTORS—continued****Holidays with Pay.**

Employer's contribution is 2s. 0d. per week per operative.

Calculated on the same basis as the item immediately preceding, this works out at 2%.

|   | £     | s. | d. |
|---|-------|----|----|
| <i>Labour value as before</i> . . . . . | 8,800 | 0  | 0  |
| <i>2% on the above.</i>                 |       |    |    |
|   | 176   | 0  | 0  |

**Payment in Respect of Public Holidays.**

Employer's contribution is 2s. 0d. per week per operative.

The allowance for this item is therefore exactly the same as that for "Holidays with Pay" above.

|   | £     | s. | d. |
|---|-------|----|----|
| <i>Labour value as before</i> . . . . . | 8,800 | 0  | 0  |
| <i>2% on the above.</i>                 |       |    |    |
|   | 176   | 0  | 0  |

**Watching and Lighting.**

When required allow 17s. 3d. a shift, for watchman (London) and expenses and for a full week's watching allow 7 shifts plus 1½ shifts for Saturday afternoon and Sunday.

|  |     |   |   |
|--|-----|---|---|
| <i>Watching required for <math>\frac{2}{3}</math> of the contract period</i> |     |   |   |
| <i>52 weeks = 35 weeks at £7 6s. 8d. including</i>                           |     |   |   |
| <i>2½% for profit, say</i> . . . . .   | 263 | 0 | 0 |

**Temporary Lighting.**

*Not priced* or make a nominal allowance of £10 to £20 for medium size contracts, save where there are exceptional circumstances, such as a cinema or the like . . . . .

10 0 0

**Water for the Works.**

The allowance of 5s. 0d. to 7s. 0d. per cent. of the value of the contract is adequate where water can be obtained from a company's main. Where a main supply is not available, each case has to be dealt with on its own merits. An allowance not exceeding £8 is adequate for all

*Continued* . . . . . £3,084 13 11

**Preliminaries**

|                        |                        |
|------------------------|------------------------|
| <i>Continued</i> ..... | £ s. d.<br>3,084 13 11 |
|------------------------|------------------------|

**OTHER FACTORS—continued**

temporary plumbing, unless the work necessitates long runs of temporary piping.

|   | £ s. d. |
|---|---------|
| <i>7s. 0d. per cent. on £40,000</i> ..... | 140 0 0 |
| <i>Temporary plumbing</i> .....           | 3 10 0  |
| <i>2½% for profit</i> .....               | 3 11 9  |
|   | 147 1 9 |

**Supply Everything Necessary.**

This clause covers the provision of general plant, other than that included in the "Prices for Measured Work", and naturally varies with the type of work.

*The following can be taken as a guide:*

|  | £ s. d.  |
|--|----------|
| <i>Storage sheds</i> .....   | 75 0 0   |
| <i>Cement shed</i> .....   | 20 0 0   |
| <i>Foreman's office, 10' 0" × 6' 0"</i><br><i>and attendance</i> .....           | 110 0 0  |
| <i>Clerk of Works office, 12' 0" × 8' 0"</i><br><i>and attendance</i> .....      | 115 0 0  |
| <i>Plant generally, other than scaffolding. Allow 2% on labour content, i.e.</i> |          |
| <i>2% of £8,800</i> .....  | 176 0 0  |
| <i>Scaffolding, allow £3 per rod of brickwork, 72 rods at £3</i> .....           | 216 0 0  |
|  | 712 0 0  |
| <i>Allow 2½% for profit</i> .....  | 17 16 0  |
|  | 729 16 0 |

**Provision of Telephone.**

A nominal sum between £5 and £15 will cover this item, according to the length of the job.

|                                      |             |
|--------------------------------------|-------------|
| <i>52 weeks contract allow</i> ..... | 10 0 0      |
| <i>Continued</i> .....               | £3,971 11 8 |



**Preliminaries**

|                        | <b>£</b> | <b>s.</b> | <b>d.</b> |
|------------------------|----------|-----------|-----------|
| <i>Continued</i> ..... | 3,971    | 11        | 8         |

**OTHER FACTORS—continued****Welfare.**

The Contractor is required to comply with the Code of Welfare Conditions for the Building Industry (*see Working Rules*), which sets out welfare requirements as follows:

1. Shelter from Inclement Weather.
2. Accommodation for Clothing.
3. Accommodation and Provision for Meals.
4. Provision of Drinking Water.
5. Sanitary Conveniences.
6. Washing Facilities.
7. First Aid.
8. Site Conditions.

|   |     |   |   |
|---|-----|---|---|
| <i>Provide all necessary welfare facilities to comply with the above Code</i> ..... | 300 | 0 | 0 |
|---|-----|---|---|

|             |               |           |          |
|-------------|---------------|-----------|----------|
| TOTAL ..... | <b>£4,271</b> | <b>11</b> | <b>8</b> |
|-------------|---------------|-----------|----------|

It will be seen that the value of the Preliminaries for a typical contract represents about 10% of the value of the measured work. This factor should not be forgotten when using the rates given in the trades following this section.



*Excavator*

| Item   | Unit       | Price            |
|--|------------|------------------|
| <b>DISPOSAL</b>  |            |                  |
| Wheeling surplus excavated material a distance not exceeding 100 yards run and depositing  | Yd. cube   | £ s d.<br>0 2 10 |
| <i>Add to last for:</i>  |            |                  |
| Roughly spreading and levelling over site . .  | "          | 0 0 10           |
| Spreading, levelling, and well rolling or consolidating in layers not exceeding 6" thick to make up levels, and watering if required   | "          | 0 1 10           |
| Returning, filling in, and well ramming excavated material around foundations . . . . .  | "          | 0 2 6            |
| Loading surplus excavated material into lorries and transporting to tip not exceeding 5 miles  | "          | 0 10 5           |
| Ditto, but not exceeding 8 miles . . . . .   | "          | 0 10 5           |
| Excavating from spoil heap and wheeling a distance not exceeding 100 yds. run and spreading, levelling and well rolling or consolidating in layers not exceeding 6" thick to make up levels and watering if required . . . . . | "          | 0 9 0            |
| Excavating from spoil heap selected top soil and wheeling a distance not exceeding 100 yards run and spreading, levelling and lightly consolidating in layers not exceeding 6" to receive turf . . . . .                       | Yd. super. | 0 1 3            |
| Ditto, to slopes of embankments and cuttings . .   | "          | 0 1 5            |

*The following rates are based on average working conditions, normal soils, and a sufficient quantity of work for economic working.*

| Item  | Unit    | Price           |
|---|---------|-----------------|
| <b>MECHANICAL EXCAVATION AND DISPOSAL</b>   |         |                 |
| Excavating for shallow surface excavation and loading into lorries or dumpers (using excavator with $\frac{1}{2}$ yd. cube bucket and skimmer attachment) . . . . .                                     | Yd cube | £ s d.<br>0 2 0 |
| Excavating for deep and basement excavation, trenches, etc., and loading into lorries or dumpers (using excavator with $\frac{1}{2}$ yd. cube bucket and drag line or face shovel attachment) . . . . . | "       | 0 1 4           |
| Excavating for surface excavation and removing, spreading, and levelling not exceeding 250 yds. run (using 6 yd. cube scraper) . . . . .  | "       | 0 2 3           |
| <i>Add or deduct for each 100 yds. run up to 500 yds. run . . . . .</i>   | "       | 0 0 6           |
| Removing excavated material not exceeding 50 yds. run and depositing or backfilling trenches (using D.6 bulldozer) . . . . .  | "       | 0 1 6           |
| <i>Add or deduct for each 20 yds. run up to but not exceeding 100 yds. run . . . . .</i>  | "       | 0 0 7½          |
| Removing excavated material and depositing not exceeding 400 yds. run (using 2 yd cube dumpers) . . . . .   | "       | 0 1 9           |
| Removing excavated material and depositing at tip not exceeding 5 miles (using 4 yd. cube hired lorries) . . . . .  | "       | 0 6 1½          |
| Ditto, but not exceeding 8 miles . . . . .  | "       | 0 6 1½          |

*Excavator*

| Item  | Unit       | Price   |
|---|------------|---------|
| <b>PLANKING AND STRUTTING</b>   |            |         |
| £ s. d.   |            |         |
| Planking and strutting to sides of surface or basement excavation:  |            |         |
| Depth up to 5' 0" .....   | Ft. super. | 0 0 4½  |
| " " 10' 0" .....  | "          | 0 0 6½  |
| " " 15' 0" .....  | "          | 0 0 7½  |
| Planking and strutting to sides of surface or basement excavation against public roadway:   |            |         |
| Depth up to 5' 0" .....   | "          | 0 0 6½  |
| " " 10' 0" .....  | "          | 0 0 8½  |
| " " 15' 0" .....  | "          | 0 0 9   |
| Planking and strutting to sides of surface trenches:  |            |         |
| Depth up to 5' 0" .....   | "          | 0 0 2½  |
| " " 10' 0" .....  | "          | 0 0 2½  |
| " " 15' 0" .....  | "          | 0 0 3   |
| Planking and strutting to sides of basement trenches:   |            |         |
| Depth up to 5' 0" .....   | "          | 0 0 2½  |
| " " 10' 0" .....  | "          | 0 0 2½  |
| " " 15' 0" .....  | "          | 0 0 3   |
| Planking and strutting in underpinning in short lengths .....   | "          | 0 0 10½ |
| Timber left in excavation .....   | Ft. cube   | 0 9 0   |
| Add to all planking and strutting for work circular on plan:  |            |         |
| To flat sweep .....   | Ft. super. | 10%     |
| To quick .....  | "          | 20%     |
| <b>HEADINGS</b>   |            |         |
| Excavating in clay or heavy soil for heading size 3' 0" wide by 6' 0" high not exceeding a total drive of 20 yds. run, including getting out excavated material ..... | Yd. cube   | 1 17 0  |
| Returning excavated material and backfilling in headings .....  | "          | 0 7 9   |
| Planking and strutting to heading 3' 0" wide and 6' 0" high and 18' 0" girth .....  | Ft. run    | 0 6 3   |
| <b>HARDCORE, ETC.</b>   |            |         |
| Clean, dry hardcore filled-in, well rammed, four times with a mechanical rammer and consolidated in layers .....  | Yd. cube   | 0 13 0  |
| Bed of ditto spread, levelled and well rammed four times with a mechanical rammer, including preparing ground:  |            |         |
| 4" thick .....  | Yd. super. | 0 1 11  |
| 6" " .....  | "          | 0 2 5   |
| Clinker or ash filled-in, well rammed four times with a mechanical rammer and consolidated in layers .....  | Yd. cube   | 0 9 9   |
| Bed of ditto spread, levelled and well rammed four times with a mechanical rammer, including preparing ground:  |            |         |
| 4" thick .....  | Yd. super. | 0 1 3   |
| 6" " .....  | "          | 0 1 9   |

*Excavator*

| Item   | Unit       | Price   |
|--|------------|---------|
|  |            | £ s. d. |
| <b>SUNDRIES</b>  |            |         |
| Cutting and rolling turf and removing a distance not exceeding 100 yards run and stacking for re-use                   | Yd. super. | 0 1 0   |
| Relaying turf, including removing a distance not exceeding 100 yards run and rolling and watering                      | "          | 0 1 2   |
| Ditto, if laying and pegging to slopes   | "          | 0 1 7   |
| Trimming face of excavations in cuttings or embankments to required slopes   | "          | 0 0 7   |
| Trimming formation to form gradients, cambers and cross falls and consolidating to an even surface                     | "          | 0 0 3½  |
| Lightly raking over surface and sowing grass seed at the rate of 2 oz. per yd. super.                                  | "          | 0 0 11  |
| *Cutting down hedges, grubbing up roots, and burning or clearing away:   |            |         |
| Height not over 4' 0"  | Yd. run    | 0 4 3   |
| "        "        6' 0"  | "          | 0 5 9   |
| *Felling trees up to 24" girth, grubbing up roots and clearing away, and filling hole with selected excavated material | No.        | 2 11 3  |
| <i>Extra for every inch in girth exceeding 24"</i>   | "          | 0 1 5   |
| Digging and planting only:   |            |         |
| Hedge or shrub plants not over 2' 0" high  | "          | 0 0 7   |
| "        "        "        "        4' 0"        "   | "          | 0 1 0   |
| "        "        "        "        6' 0"        "   | "          | 0 2 7½  |
| Saplings not over 10' 0" high  | "          | 0 5 9   |

\* Prices would be considerably reduced if circumstances permitted the use of mechanical plant.

## CONCRETOR

| Item   | Unit     | 1 : 12       | 1 : 3 : 6    | 1 : 2 : 4    | 1 : 1½ : 3   |
|--|----------|--------------|--------------|--------------|--------------|
| Size of aggregate. . . .                                       |          | 1½" all in   | 1½"          | 2"           | 1"           |
|  |          | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| <b>CONCRETE</b>  |          |              |              |              |              |
| Basic price for mass-concrete in foundations, etc.:            |          |              |              |              |              |
| Portland cement, slow setting quality . . . .                  | Yd. cube | 35 6         | 45 6         | 46 6         | 48 0         |
| Portland cement rapid - hardening quality                      | ..       | 36 3         | 46 6         | 48 0         | 49 6         |
| Water - repellent cement . . . .                               | ..       | 39 0         | 51 6         | 54 6         | 61 3         |
| Aluminous cement . . . .                                       | ..       | 55 3         | 78 9         | 88 0         | 95 0         |
| Portland cement, slow setting quality with water-proofer added | ..       | —            | —            | 63 0         | 66 6         |

ADD to the above Basic Prices for.

| Item  | Unit       | Price   |
|---|------------|---------|
|   |            | £ s. d. |
| Reinforced concrete, including working around rod or mesh reinforcement . . . . . | Yd. cube   | 0 3 0   |
| Isolated pier holes, etc. . . . .   | ..         | 0 3 0   |
| Foundations in underpinning in short lengths . . . . .                            | ..         | 0 8 6   |
| Small quantities not exceeding 3 ft. cube in hearths, padstones, etc. . . . .     | ..         | 0 11 5  |
| <b>Walls:</b>   |            |         |
| Thickness—not over 6" . . . . .   | ..         | 0 10 0  |
| "    6"-12" . . . . .   | ..         | 0 5 9   |
| "    over 12" . . . . .   | ..         | 0 3 0   |
| <b>Columns:</b>   |            |         |
| Sectional area—not over 72 sq. in. . . . .  | ..         | 1 0 0   |
| "    "    72-144 sq. in. . . . .  | ..         | 0 13 0  |
| "    "    over 144 sq. in. . . . .  | ..         | 0 8 6   |
| <b>Lintels, beams, curbs, copings, etc.:</b>                                      |            |         |
| Sectional area—not over 72 sq. in. . . . .  | ..         | 0 13 0  |
| "    "    72-144 sq. in. . . . .  | ..         | 0 8 6   |
| "    "    over 144 sq. in. . . . .  | ..         | 0 5 9   |
| Suspended floors and roofs . . . . .  | ..         | 0 8 6   |
| <b>Blinding layer:</b>  |            |         |
| Thickness—not over 2" . . . . .   | Yd. super. | 0 0 11  |
| "    3"-6" . . . . .  | ..         | 0 0 9   |
| "    6"-12" . . . . .   | ..         | 0 0 4   |

**Concretor**

| Item  | Unit       | Price     |            |           |
|---|------------|-----------|------------|-----------|
|   |            | £ s. d.   |            |           |
| <b>HOLLOW TILE FLOORS</b>   |            |           |            |           |
| Hollow tile floor of hollow clay tiles 4½" thick with ribs at 15" centres and laying on formwork measured separately, filling in ribs with concrete (1 : 2 : 4) and finishing over top of tiles with bed of concrete 1½" thick (total finished thickness of floor 6") including tamping around steel rod reinforcement (measured separately) and all straight cutting and waste . . . . . | Yd. super. | 0         | 11         | 3         |
| <i>As above</i> but of hollow clay tiles 6" thick (total finished thickness of floor 7½") . . . . .   | "          | 0         | 12         | 9         |
| <i>As above</i> but of hollow clay tiles 8" thick (total finished thickness of floor 9½") . . . . .   | "          | 0         | 15         | 9         |
| <b>SHELL ROOFS</b>  |            |           |            |           |
| 3" reinforced concrete (1 : 1½ : 3) shell roof, including forming curve to top surface (formwork to soffit measured separately) . . . . .   | "          | 0         | 7          | 9         |
| <b>LIGHTWEIGHT CONCRETE</b>   |            |           |            |           |
|   | Unit       | 1 : 4 : 8 | 1 : 3½ : 7 | 1 : 3 : 6 |
|   |            | s. d.     | s. d.      | s. d.     |
| Lightweight concrete with foamed blast furnace slag aggregate to B.S.877 well graded:   |            |           |            |           |
| 1½" bed laid on concrete finished to receive floor or roof coverings . . . . .  | Yd. super. | 3 6       | 3 9        | 4 1       |
| 1½" bed <i>as above</i> . . . . .   | "          | 3 11      | 4 2        | 4 6       |
| 2" bed <i>as above</i> . . . . .  | "          | 4 4½      | 4 8        | 5 1       |
| 2½" bed <i>as above</i> . . . . .   | "          | 5 1       | 5 5        | 5 10      |
| <b>CONCRETE SUNDRIES</b>  |            |           |            |           |
|   | Unit       | Price     |            |           |
|   |            | £ s. d.   |            |           |
| Finishing surface of concrete:  |            |           |            |           |
| To falls and currents . . . . .   | Yd. super. | 0         | 0          | 6         |
| With spade face . . . . .   | "          | 0         | 0          | 4         |
| With trowelled face to receive linoleum, etc. . . . .   | "          | 0         | 0          | 9         |
| Hacking concrete for key . . . . .  | "          | 0         | 0          | 11½       |
| Treating formwork with Redalon to form key . . . . .  | "          | 0         | 0          | 10        |
| Lining with stout waterproof paper, p.c. 4d. yd. super., well lapped at joints, to receive concrete . . . . .   | "          | 0         | 0          | 6½        |
| Applying horizontal damp-proof course of hot pitch or bitumen, in two coats, to surface of concrete . . . . .   | "          | 0         | 1          | 0½        |
| Forming groove in concrete for:   |            |           |            |           |
| Water bar, etc. . . . .   | Ft. run    | 0         | 0          | 4         |
| Sliding door track, etc. . . . .  | "          | 0         | 0          | 6         |
| Forming ½" bitumen expansion joint 4" deep in concrete floors, including formwork . . . . .   | "          | 0         | 0          | 10½       |

**Concretor**

| Item  | Unit       | Price   |
|---|------------|---------|
| <b>CONCRETE SUNDRIES—continued</b>  |            | £ s. d. |
| Forming mortices in concrete for iron dowels, small bolts, etc., and running with cement, <i>per inch in depth</i> .....                              | No.        | 0 0 6   |
| Wedging up base of small stanchion and grouting with cement and sand .....  | ,,         | 0 2 0   |
| Supplying floor clips, p.c. 4d. each, and fixing .  | ,,         | 0 0 8   |
| <br><b>OPEN TYPE SHUTTERING</b>   |            |         |
| Approved telescopic steel open type shuttering to soffit of suspended tile block floor .....  | Yd. super. | 0 7 9   |
| <br><b>FORMWORK</b>   |            |         |
| Formwork, including strutting, easing, and striking:  |            |         |
| Vertical faces of foundations . . . . .   | Yd. super. | 0 9 8   |
| Vertical faces of walls . . . . .   | ,,         | 0 14 0  |
| Battering faces of walls . . . . .  | ,,         | 0 16 0  |
| Soffits of floors not over 12' high . . . . .   | ,,         | 0 17 4  |
| Soffits of shell roofs not over 30' 0" high . . . . .   | ,,         | 1 10 0  |
| Sloping soffits of stairs, etc. . . . .   | ,,         | 1 0 3   |
| Sides of columns . . . . .  | Ft. super. | 0 1 8   |
| Sides and soffits of lintels and beams . . . . .  | ,,         | 0 1 10  |
| Around openings through walls and floors (all sides measured) . . . . .   | ,,         | 0 2 1   |
| Raking cutting . . . . .  | Ft. run    | 0 0 6   |
| Circular . . . . .  | ,,         | 0 0 9½  |
| Vertical edges of concrete not over 12" high, <i>per inch in height</i> . . . . .   | ,,         | 0 0 1½  |
| Rebates not over 4" girth, <i>per inch in girth</i> . . . . .   | ,,         | 0 0 1½  |
| Strings of staircase, including notching for treads and risers . . . . .  | ,,         | 0 1 10½ |
| Add to prices for Formwork for:   |            |         |
| Circular faces to flat sweep . . . . .  |            | 37½%    |
| "    "    quick    "    . . . . .   |            | 50%     |
| Wrought and thickened shuttering, including rubbing down concrete . . . . .   | Yd. super. | 0 1 9   |
| Fixing in confined spaces, the sheeting left in   | Ft. super. | 0 6 4   |
| <br><b>REINFORCEMENT</b>  |            |         |
| Mild steel rod reinforcement, to B.S.785, hooked, bent, and tied at intersections as required, including fixing (average for straight and bent bars): |            |         |
| ¾" diameter . . . . .   | Cwt.       | 1 11 9  |
| 1" " . . . . .  | ,,         | 1 14 3  |
| 1½" " . . . . .   | ,,         | 1 14 3  |
| 2" " . . . . .  | ,,         | 1 16 6  |
| 2½" " . . . . .   | ,,         | 1 17 4  |
| 3" " . . . . .  | ,,         | 2 2 6   |
| 4" " . . . . .  | ,,         | 2 3 4   |
| 5" " . . . . .  | ,,         | 2 12 6  |



**Concrete**

| Item  | Unit       | Price   |
|---|------------|---------|
| <b>REINFORCEMENT—continued</b>  |            | £ s. d. |
| High tensile steel mesh or expanded metal reinforcement, etc., to B.S.1221, well lapped at joints:  |            |         |
| Weight 3.37 lb. per yd. super. . . . .  | Yd. super. | 0 2 0   |
| " 4 3 " " " " . . . . .   | "          | 0 2 3   |
| " 9 31 " " " " . . . . .  | "          | 0 4 6   |
| Raking and circular cutting to mesh reinforcement weighing 4 3 lb. per yd. super . . . . .  | Ft. run    | 0 0 4   |
| <b>PRE-CAST CONCRETE</b>  |            |         |
| Pre-cast concrete (1 : 2 : 4), as described, finished fair on exposed faces, including necessary moulds and hoisting, setting, and jointing in gauged mortar:   |            |         |
| 4½" × 6" lintel reinforced with one ½" diameter mild steel rod . . . . .  | Ft. run.   | 0 2 10½ |
| 9" × 6" lintel reinforced with two ½" diameter mild steel rods . . . . .  | "          | 0 5 9   |
| 9" × 3" coping stone in 4' lengths, weathered, throated and with sinking and dovetailed mortice at each end for 1½" metal cramp (measured separately) . . . . .   | "          | 0 3 4½  |
| 12" × 3" threshold splayed on top . . . . .   | "          | 0 3 10  |
| 6" × 3" sill, sunk, weathered, throated and grooved, average 4' 6" long, with stooped ends for square jambs . . . . .   | "          | 0 2 10½ |
| 4" duct-covers 12" wide, cast in short lengths, reinforced with and including ½" diameter mild steel rods at 6" centres and placed in position in rebates (measured separately), including all necessary formwork, etc. . . . . | "          | 0 6 0   |
| 4" duct-covers 24" wide, cast in convenient lengths as before described, but reinforced with and including ½" diameter mild steel rods . . . . .  | "          | 0 12 6½ |
| 2" shelf size 2' 2" × 2' 3" reinforced with and including three ½" diameter mild steel rods . . . . .   | No.        | 0 14 0  |
| 6" templates and building-in:   |            |         |
| 9" × 9" . . . . .   | "          | 0 5 0   |
| 18" × 9" . . . . .  | "          | 0 10 0  |
| 24" × 9" . . . . .  | "          | 0 12 3  |
| " Glascrete " pavement lights . . . . .   | Ft. super. | 1 6 3   |
| " Glascrete " roof lights . . . . .   | "          | 1 4 2   |
| " Glascrete " reinforced concrete grid or mullion bar windows glazed with ordinary commercial glass . . . . .   | "          | 0 15 9  |

**BRICKLAYER**

| Item   | Plan flettons<br>p.c. 85s. 0d.<br>1000 |  | Rough stocks<br>p.c. 164s. 0d.<br>1000 |  | Mild stocks<br>p.c. 164s. 0d.<br>1000 |  | Second stocks<br>p.c. 194s. 0d.<br>1000 |  |
|--|--|--|--|--|---------------------------------------|--|---|--|
|  | Rod<br>super.                          | Yd.<br>super.<br>One<br>brick<br>thick | Rod<br>super.                          | Yd.<br>super.<br>One<br>brick<br>thick | Rod<br>super.                         | Yd.<br>super.<br>One<br>brick<br>thick | Rod<br>super.                           | Yd.<br>super.<br>One<br>brick<br>thick |
|  | £ s. d.                                | s. d.                                  | £ s. d.                                | s. d.                                  | £ s. d.                               | s. d.                                  | £ s. d.                                 | s. d.                                  |
| <b>BRICKWORK IN COMMON BRICKS</b>                      |  |  |  |  |                                       |  |   |  |
| Reduced brickwork in cement-lime mortar (1 : 3 : 9)    | 49 4 9                                 | 21 9                                   | 68 16 0                                | 30 4                                   | 68 16 0                               | 30 4                                   | 76 4 3                                  | 33 8                                   |
| <i>Add to above if in:</i>                             |  |  |  |  |                                       |  |   |  |
| Cement mortar (1 : 3) .....                            | 0 12 9                                 | 0 3½                                   | 0 12 9                                 | 0 3½                                   | 0 12 9                                | 0 3½                                   | 0 12 9                                  | 0 3½                                   |
| Underpinning in short lengths .....                    | 6 19 0                                 | 3 1                                    | 6 19 0                                 | 3 1                                    | 6 19 0                                | 3 1                                    | 6 19 0                                  | 3 1                                    |
| Backing to masonry .....                               | 0 13 11                                | 0 4                                    | 0 13 11                                | 0 4                                    | 0 13 11                               | 0 4                                    | 0 13 11                                 | 0 4                                    |
| Filling in openings .....                              | 6 19 0                                 | 3 1½                                   | 6 19 0                                 | 3 1½                                   | 6 19 0                                | 3 1½                                   | 6 19 0                                  | 3 1½                                   |
| Raising on girders commencing 30' from<br>ground ..... | 2 0 9                                  | 0 11                                   | 2 0 9                                  | 0 11                                   | 2 0 9                                 | 0 11                                   | 2 0 9                                   | 0 11                                   |
| Walls built battering .....                            | 3 14 7                                 | 1 7½                                   | 5 18 0                                 | 2 7                                    | 5 18 0                                | 2 7                                    | 6 14 6                                  | 3 0                                    |
| Curcular on plan to flat sweep .....                   | 8 0 0                                  | 3 6                                    | 8 19 6                                 | 3 11½                                  | 8 19 6                                | 3 11½                                  | 9 7 0                                   | 4 1½                                   |
| Drift to quick sweep .....                             | 16 0 2                                 | 7 1                                    | 17 19 3                                | 7 11                                   | 17 19 3                               | 7 11                                   | 18 14 3                                 | 8 3                                    |

## PRICES FOR MEASURED WORK

## Bricklayer

| Item   | Plain flettons<br>p.c. 85s. 0d.<br>1000 |               | Rough stocks<br>p.c. 164s. 0d.<br>1000 |               | Mild stocks<br>p.c. 164s. 0d.<br>1000 |               | Second stocks<br>p.c. 194s. 0d.<br>1000 |               |
|--|---|---------------|--|---------------|---------------------------------------|---------------|---|---------------|
|  | Yd.<br>super.                           | Ft.<br>super. | Yd.<br>super.                          | Ft.<br>super. | Yd.<br>super.                         | Ft.<br>super. | Yd.<br>super.                           | Ft.<br>super. |
|  | £ s. d.                                 | s. d.         | £ s. d.                                | s. d.         | £ s. d.                               | s. d.         | £ s. d.                                 | s. d.         |
| <b>BRICKWORK IN COMMON BRICKS</b><br><i>—continued</i>   |   |               |  |               |                                       |               |   |               |
| Brick-on-edge partition .....  | 0 9 0                                   | 1 0           | 0 11 11                                | 1 4           | 0 11 11                               | 1 4           | 0 13 0                                  | 1 5½          |
| Ditto built fair face and pointed both sides with a<br>neat flush joint as the work proceeds .....   | 0 10 4½                                 | 1 2           | 0 13 3                                 | 1 6           | 0 13 3                                | 1 6           | 0 14 4                                  | 1 7           |
| Half-brick sleeper wall built honeycomb .....  | 0 8 3½                                  | 0 11          | 0 11 1                                 | 1 3           | 0 11 1                                | 1 3           | 0 12 1½                                 | 1 4           |
| Half-brick wall .....  | 0 12 1                                  | 1 4           | 0 16 5                                 | 1 10          | 0 16 5                                | 1 10          | 0 18 1                                  | 2 0           |
| Ditto in sink bearers, etc., in small quantities not<br>exceeding 10 ft. super. ....   | 0 13 7                                  | 1 6           | 0 18 0                                 | 2 0           | 0 18 0                                | 2 0           | 0 19 7                                  | 2 2           |
| Ditto built fair and pointed both sides with a neat<br>flush or struck joint as the work proceeds .....  | 0 13 7                                  | 1 6           | 0 18 0                                 | 2 0           | 0 18 0                                | 2 0           | 0 19 7                                  | 2 2           |
| One-brick wall built fair and pointed on both sides<br>with a neat flush joint .....   | 1 4 10½                                 | 2 9           | 1 13 7                                 | 3 9           | 1 13 7                                | 3 9           | 1 16 10½                                | 4 1           |
| Brickwork built in two 4½" thicknesses with 2"<br>cavity between, including keeping cavity free from<br>mortar droppings and providing and building-in<br>galvanized iron twisted ties to B.S.1243, spaced<br>two to every yd. super. .... | 1 2 6                                   | 2 9           | 1 13 3                                 | 3 8½          | 1 13 3                                | 3 8½          | 1 16 6                                  | 4 1           |

**Bricklayer**

| Item   | Blue pressed bricks |                            | Blue wirecuts |                            | Uxbridge flint engineering bricks |                            | Southwater engineering No. 2 |                            | Lingfield engineering wirecuts |                            |
|--|---------------------|----------------------------|---------------|----------------------------|-----------------------------------|----------------------------|------------------------------|----------------------------|--------------------------------|----------------------------|
|  | £ s. d.             | Yd. super. One brick thick | £ s. d.       | Yd. super. One brick thick | £ s. d.                           | Yd. super. One brick thick | £ s. d.                      | Yd. super. One brick thick | £ s. d.                        | Yd. super. One brick thick |
| Reduced brickwork in cement mortar (1:3) ..... | 133 3 8             | 58 9                       | 122 9 6       | 54 0                       | 66 11 3                           | 29 4½                      | 90 1 0                       | 39 9                       | 72 3 10                        | 31 10                      |
| <i>Add to above if in:</i>                     |                     |                            |               |                            |                                   |                            |                              |                            |                                |                            |
| Underpinning in short lengths .....            | 9 0 9               | 4 0                        | 9 0 9         | 4 0                        | 8 0 0                             | 3 6 9                      | 9 0 9                        | 4 0                        | 8 0 0                          | 3 6                        |
| Walls built battering .....                    | 13 0 3              | 5 9                        | 11 13 0       | 5 2                        | 5 11 8                            | 2 5½                       | 8 0 11                       | 3 6½                       | 6 4 2                          | 2 9                        |
| Circular on plan to flat sweep .....           | 12 16 1             | 6 3                        | 13 9 4        | 5 11½                      | 9 15 9                            | 4 4                        | 11 16 11                     | 5 3                        | 10 1 4½                        | 4 5½                       |
| Ditto to quick sweep .....                     | 28 3 5              | 12 5                       | 26 18 8       | 11 11                      | 19 11 6                           | 8 8                        | 23 13 10                     | 10 6                       | 20 2 9                         | 8 11                       |

**BRICKWORK IN ENGINEERING BRICKS**

## PRICES FOR MEASURED WORK

## Bricklayer

| Items  | Blue pressed bricks |             | Blue wirecuts |            | Uxbridge flint engineering bricks |            | Southwater engineering No. 2 |            | Lingfield engineering wirecuts |            |
|--|---------------------|-------------|---------------|------------|-----------------------------------|------------|------------------------------|------------|--------------------------------|------------|
|  | Yd. super.          | Ft. super.  | Yd. super.    | Ft. super. | Yd. super.                        | Ft. super. | Yd. super.                   | Ft. super. | Yd. super.                     | Ft. super. |
|  | £ s. d.             | s. d.       | £ s. d.       | s. d.      | £ s. d.                           | s. d.      | £ s. d.                      | s. d.      | £ s. d.                        | s. d.      |
| <b>BRICKWORK IN ENGINERING BRICKS—continued</b>  |                     |             |               |            |                                   |            |                              |            |                                |            |
| Half-brick wall .....  | 1 11 4½             | 3 6         | 1 8 8         | 3 2        | 0 16 0                            | 1 9½       | 1 1 5                        | 2 4½       | 0 16 11                        | 1 10½      |
| Ditto in small quantities not exceeding 10 ft. super. ....   | —                   | 3 8½        | —             | 3 6        | —                                 | 2 0        | —                            | 2 7        | —                              | 2 1½       |
| Ditto built fair and pointed both sides with a neat flush or struck joint as the work proceeds ..... | 1 13 4              | 3 8½        | 1 11 8        | 3 6        | 0 17 9                            | 2 0        | 1 3 4½                       | 2 7        | 0 19 9                         | 2 1½       |
| One-brick wall built fair and pointed on both sides with a neat flush joint .....                    | 3 2 6               | 6 11        | 2 17 11       | 6 5        | 1 11 9                            | 3 6        | 2 3 6                        | 4 10       | 1 14 3                         | 3 10       |
| Rough cutting .....  | —                   | 1 4         | —             | 1 3½       | —                                 | 0 10½      | —                            | 1 1½       | —                              | 0 10½      |
| Labour and material cutting, toothing, and bonding new work to old .....                             | —                   | 4 10        | —             | 4 9        | —                                 | 3 6        | —                            | 4 7½       | —                              | 3 6        |
| <i>Extra for bullnosed angle.</i> .....  | —                   | Ft. run 0 3 | —             | Ft. run —  | —                                 | Ft. run —  | —                            | Ft. run —  | —                              | Ft. run —  |
| <i>Extra for squint.</i> .....   | —                   | —           | —             | —          | —                                 | —          | —                            | —          | —                              | —          |
| Labour and material in brick-on-edge coping to one-brick wall set and pointed in cement mortar ..... | —                   | 2 11        | —             | 2 9        | —                                 | 1 8½       | —                            | 2 2        | —                              | 1 9½       |

**Bricklayer**

NOTE.—The following items apply only to common brickwork and not to work executed in engineering bricks.

| Item  | Unit       | Price |
|---|------------|-------|
| <b>FINISHES TO WALLS</b>  |            |       |
|   | Yd.        | s. d  |
| <i>Extra for grooved flettons to form key for plastering</i>  | super.     | 0 2   |
| <i>Extra over common brickwork for building with a fair face and pointing with a neat flush joint in cement mortar</i>            | "          | 0 10  |
| Rough rendering on walls  | "          | 1 10½ |
| <b>WORK TO OLD WALLS</b>  |            |       |
|   | Ft. super. |       |
| Levelling and preparing existing wall for raising upon Labour and material cutting, toothing, and bonding new work to old         | "          | 0 8   |
| Quoining up end of wall after removal of wall and finishing with fair face and pointing   | "          | 2 11  |
| Wedging and pinning up with slates new work to old  | "          | 5 0   |
| Ditto in underpinning   | "          | 3 10  |
|   | "          | 5 2   |
| <b>DAMP-PROOFING, ETC.</b>  |            |       |
| Horizontal damp-proof course to walls of two courses of slates to B.S.743, laid breaking joint and bedding and pointing in mortar | "          | 2 4   |
| <i>As above of fibre-base bitumen and laying on brick walls properly lapping at all joints and passings</i>                       | "          | 0 6½  |
| Ditto and laying over lintels in cavity walls including laps  | "          | 0 10½ |
| Labour and material in hollow walls for building solid at reveals and sills   | Ft. run    | 1 2   |
| Ditto including slate and cement damp-proof course  | "          | 1 6   |
| Vertical damp proof course to walls of slates to B.S.743 laid breaking joint and bedding in mortar                                | "          | 2 11  |
| <b>SUNDRY WORKS</b>   |            |       |
| Raking out joints of existing brickwork and hacking face to form key for plastering   | Yd. super. | 1 0½  |
| Rough cutting   | Ft. super  | 0 4½  |
| Rough circular cutting  | "          | 0 7   |
| Labour and waste cutting and fitting brickwork around steel stanchions or concrete columns  | "          | 0 7   |
| Labour plumbing angles in faced brickwork   | Ft. run.   | 0 1½  |
| Labour beam filling to top of 9" wall including cutting and fitting between rafters   | "          | 0 8½  |
| Labour one course set fair oversailing or set back  | "          | 0 2   |
| Labour rough cutting chamfer  | "          | 0 3   |
| Rough cutting squint or birdsmouth  | "          | 0 6   |
| <i>Extra for bullnose angles using special bricks, p.c. 10s. 6d. 100</i>  | "          | 0 3   |
| <i>Extra for squint angles using special bricks, p.c. 10s. 6d. 100</i>  | "          | 0 3   |
| Bed plate or sill in mortar   | "          | 0 1½  |
| Bed frame in lime and hair mortar   | "          | 0 1½  |
| <i>Add to above for pointing per side</i>   | "          | 0 0½  |

**Bricklayer**

| Item   | Unit    | Price |
|--|---------|-------|
| <b>SUNDRY WORKS—continued</b>  |         |       |
| Raking out joints of brickwork for lead flashing and pointing  | Ft. run | 0 4½  |
| Ditto stepped  | "       | 0 6½  |
| Raking out joints of brickwork and cutting horizontal groove for tuck in of asphalt skirting and pointing      | "       | 0 6½  |
| Cement weathered fillet to 3" offset including mitres  | "       | 0 6½  |
| Metal mesh reinforcement 24 gauge 2½" wide cut to lengths and building into joints of brickwork                | "       | 0 2½  |
| Cutting horizontal groove in brickwork for water bar   | "       | 0 8½  |
| Cutting or forming horizontal chase in brickwork 4½" deep for edge of 4½" hollow tile floor                    | "       | 0 4½  |
| Add to above for each 1" in depth  | "       | 0 1½  |
| Cutting or forming vertical chase in brickwork for small pipe  | "       | 0 10½ |
| Ditto for large pipe   | "       | 1 6½  |
| Mortices in brickwork 3" deep for ½" rag bolts and running with cement   | No.     | 0 6   |
| Add to above for each additional 1" in depth   | "       | 0 2½  |
| Grouting-in mortices for holding-down bolts size 3" × 3" and 9" deep in cement and sand (1 : 1)                | "       | 0 8½  |
| Add to above for each additional 1" in depth   | "       | 0 3   |
| Coke breeze concrete fixing bricks to B.S.1180, Class B, and building-in                                       | "       | 0 1   |
| 1" × ½" galvanized hoop iron cramps 9" girth, one end screwed to deal frame and the other built into brickwork | "       | 0 8   |

| Item   | Unit | Ends built in or cut and pinned to brickwork and making good | Ends built in or cut and pinned to brickwork and making good fair face, facings, or plaster |
|--|------|--|---|
| <b>ENDS BUILT IN OR CUT AND PINNED</b>               |      |  |   |
| Timbers  | No.  | s. d.  | s. d.   |
| Cantilever brackets                                  | "    | —  | —   |
| Small steel angles                                   | "    | 2 6  | 3 8   |
| Stone steps  | "    | 2 6  | 3 8   |
| Concrete lintels                                     | "    | —  | —   |
| Steel joists exceeding 6" and not exceeding 12" deep | "    | —  | 2 6   |
| Ditto exceeding 12" and not exceeding 18" deep       | "    | —  | 3 8   |

**Bricklayer**

| Item  | Unit | Holes and making good | Holes and making good facings | Holes and making good facings and plaster |
|---|------|-----------------------|-------------------------------|---|
|   |      | <i>s. d.</i>          | <i>s. d.</i>                  | <i>s. d.</i>                              |
| <b>HOLES THROUGH WALLS</b>  |      |                       |                               |   |
| Holes for small pipes:  |      |                       |                               |   |
| Through H. B. wall . . . . .  | No.  | 1 9                   | 2 1                           | 2 5                                       |
| Through 9" wall . . . . .   | "    | 3 1                   | 3 4½                          | 3 9                                       |
| Through 14" wall . . . . .  | "    | 4 4                   | 4 8½                          | 5 1                                       |
| Through foundations of 14" wall . . . . .   | "    | 8 3                   | —                             | —   |
| Holes for large pipes:  |      |                       |                               |   |
| Through H. B. wall . . . . .  | "    | 2 10½                 | 3 5                           | 3 11                                      |
| Through 9" wall . . . . .   | "    | 5 1                   | 5 7                           | 6 1                                       |
| Through 14" wall . . . . .  | "    | 7 2                   | 7 9                           | 8 3                                       |
| Through foundations of 14" wall . . . . .   | "    | 13 8                  | —                             | —   |
|   |      |                       | Unit                          | Price                                     |
| Forming 9"×9" outlet through 9" wall and making good facings both sides and turning segmental arch in one half-brick ring including all cutting and waste . . . . . |      |                       | No.                           | <i>s. d.</i><br>9 10                      |

| Item   | Unit | Size of brick |              |              |
|--|------|---------------|--------------|--------------|
|  |      | 9"×3"         | 9"×6"        | 9"×9"        |
|  |      | <i>s. d.</i>  | <i>s. d.</i> | <i>s. d.</i> |
| <b>AIR BRICK AND VENT OPENINGS</b>   |      |               |              |              |
| Forming opening through 9" wall for, rendering out in cement mortar and providing and building-in cast-iron air-brick to B.S.493, type "a" . . . . .           |      |               |              |              |
|  | No.  | 1 8           | 3 6          | 5 3          |
| Ditto but red terracotta air-brick . . . . .   |      |               |              |              |
|  | "    | 1 7           | 3 3          | 7 6          |
| Forming opening through 11" cavity wall for, lining with slates in cement mortar, providing and building-in cast-iron air-brick to B.S.493, type "a" . . . . . |      |               |              |              |
|  | "    | 2 4½          | 4 8½         | 6 10½        |
| Ditto but red terracotta air-brick . . . . .   |      |               |              |              |
|  | "    | 2 3½          | 4 4½         | 9 2          |



**Bricklayer****FIREPLACES, FLUES, AND CHIMNEY POTS**

| Item   | Unit | Price              |
|--|------|--------------------|
| Slabbed tile fireplace 48" x 36" with $\frac{1}{2}$ yd. loose hearth tiles, 16" firebrick back and cast-iron stool bottom and black vitreous enamelled fret p.c. £10 0s. 0d., and setting only to brick opening including pointing firebrick with fire-clay and backing up with fine concrete formed to splay at top and laying hearth tiles | No.  | £ s. d.<br>12 18 0 |

*N.B.—The prices for the following fires supplied and fixed complete are based upon p.c. prices for stoves quoted in italics.*

| Item   | Unit     | Finish      |              |               |            |
|--|----------|-------------|--------------|---------------|------------|
|  |          | Plain black | Black enamel | Armour bright | Enamel     |
|  |          | £ s. d.     | £ s. d.      | £ s. d.       | £ s. d.    |
| Closable open fire and setting in position. Approx. heating capacity:  |          |             |              |               |            |
| 1750 cu. ft. . . . .   | No. P.c. | 9 18        | 5 13 7       | 5 13 16       | 0 14 13 3  |
| 3000 cu. ft. . . . .   | "        | 11 7        | 6 15 3       | 4 15 12       | 9 16 11 9  |
| 5000 cu. ft. . . . .   | "        | 11 12       | 11 15 10     | 6 16 0        | 11 16 15 9 |
| As above, fitted with wrought welded boiler. Approx. heating capacity: |          |             |              |               |            |
| 2000 cu. ft. . . . .   | "        | 13 5        | 6 17 10      | 9 18 2        | 0 18 18 6  |
| 3000 cu. ft. . . . .   | "        | 12 18       | 9 17 2       | 9 17 13       | 8 18 9 1   |
|  | "        | 14 13       | 10 19 6      | 3 19 18       | 3 20 15 3  |
| 2000 cu. ft. . . . .   | "        | 18 18       | 9 22 16      | 4 23 6        | 9 24 1 7   |
| 3000 cu. ft. . . . .   | "        | 21 5        | 9 25 11      | 3 26 2        | 6 26 19 0  |
|  | "        | 22 13       | 2 26 17      | 2 27 8        | 1 28 3 6   |
|  | "        | 25 7        | 8 30 0       | 1 30 12       | 1 31 9 1   |

| Item   | Unit | 12" high | 24" high | 36" high |
|--|------|----------|----------|----------|
|  |      | s. d.    | s. d.    | s. d.    |
| 9" diameter terracotta chimney pot to B.S.1181, pattern as Clause 13c, and building in top of stack including flaunching in mortar . . . . . | No.  | 8 1      | 15 4½    | 32 8½    |

| Item   | Unit    | s. d. |
|--|---------|-------|
| Parping and coring 9" x 9" flue with lime mortar (1 : 3) . . . . . | Ft. run | 1 3   |

**Bricklayer**

| Item  | Unit         | Price       |
|---|--------------|-------------|
|   |              | <i>s. d</i> |
| <b>FIREBRICKS</b>   |              |             |
| <i>Extra over ordinary brickwork built in common bricks (p.c. 85s. 0d. 1000) for 4½" fire-brick (p.c. 52s. 9d. per 100) lining to flue properly bonded and bedded and jointed in fire-clay . . . . .</i>  | Ft.<br>super | 4 5         |
| <i>Labour and material in 4½" lining to flues built 2" clear of walls set and jointed in fire-clay and pointed including keeping cavity clear of droppings and building a fire-brick header, one to every yd. super. cut and fitted . . . . .</i> | ..           | 4 10        |
| <i>Labour and material in 4½" lining to bottom of flue . . . . .</i>  | ..           | 4 8         |

| Item   | Unit | Single type | Double type |
|--|------|-------------|-------------|
|  |      | <i>s. d</i> | <i>s. d</i> |
| <b>GAS FLUE BLOCKS</b>   |      |             |             |
| <i>Gas flue blocks to B.S.1289, type "a", set in cement mortar, including all cutting and waste and bonding as required:</i> |      |             |             |
| <i>Sets of building-in blocks . . . . .</i>  | No.  | 6 8         | 11 9        |
| <i>Straight blocks . . . . .</i>   | ..   | 2 9         | 4 9         |
| <i>Raking blocks 65° . . . . .</i>   | ..   | 4 4         | 6 6         |
| <i>Closer blocks . . . . .</i>   | ..   | 2 9         | 4 8         |
| <i>Cover blocks . . . . .</i>  | ..   | 3 10½       | 7 0         |
| <i>Ordinary terminal blocks . . . . .</i>  | ..   | 14 5        | 19 3        |
| <i>End . . . . .</i>   | ..   | 14 4        | 19 1        |
| <i>Middle . . . . .</i>  | ..   | 14 1        | 18 6        |

**Bricklayer**

| <p><i>Extra over ordinary brickwork built with common bricks p.c. 85s. 0d. 1000 for facings as described</i></p>          | Unit       | <p>Facings p.c. 175s. 0d. 1000 and pointing with a neat weathered joint</p> | <p>Blue pressed Staffordshire facings p.c. 400s. 6d. 1000 and pointing with a neat weathered joint</p> | <p>White glazed facings p.c. 990s. 0d. 1000 for stretchers and 977s. 9d. 1000 for headers and pointing with white cement</p> |
|---|------------|---|--|--|
|   |            | <i>s. d.</i>  | <i>s. d.</i>   | <i>s. d.</i>   |
| <b>FACINGS</b>  |            |   |  |  |
| To solid wall in Flemish bond .....   | Yd. super. | 10 1½   | 27 10  | 64 7   |
| To cavity wall in stretcher bond ..   | ,          | 8 4½  | 22 0   | 49 2   |
| To ditto in Flemish bond including snapped headers .....  | "          | 9 8   | 26 1   | —  |
| <i>Extra over ordinary brickwork for facing and pointing to reveal or return 4½" wide, including plumbing angle .....</i> | Ft. run.   | 0 6½  | 1 3½   | 2 10   |
| Labour and material in half-brick wall in facings as above built fair and pointed one side .....                          | Ft. super. | 2 2   | 3 9½   | —  |
| Ditto pointed both sides..  | "          | 2 5½  | 3 10½  | —  |
| Labour and material in one-brick wall in facings built fair and pointed both sides .....                                  | "          | 4 1½  | 7 2  | —  |
| Fair cutting up to stonework .....  | Ft. run    | 0 4½  | 0 6  | 0 6  |
| Fair raking cutting .....   | "          | 0 6   | 0 9½   | 0 9½   |
| Fair circular cutting .....   | "          | 0 8½  | 1 0½   | 1 0½   |
| Fair cutting squint or birdsmouth .....   | "          | 1 3   | 1 10   | 1 10   |
| Labour setting back one course of facings ½" deep, including any cutting and pointing return                              | "          | 0 2½  | 0 4  | 0 4  |
| Labour setting forward one course of facings ½", including pointing projection .....                                      | "          | 0 2½  | 0 4  | 0 4  |
| Labour and material brick-on-edge flat arch 4½" high and 4½" on soffit and pointed .....                                  | "          | 2 0   | 3 9½   | —  |
| Ditto in brick-on-end flat arch 4½" on bed and 9" high and pointed .....  | "          | 2 3   | 4 0  | —  |

**Bricklayer**

|   |  |   |  |   |
|---|--|---|--|---|
| <p><i>Extra over ordinary brickwork built with common bricks p.c. 85s. 0d. 1000 for facings as described</i></p>  | <p>Unit</p>  | <p>Facings p.c. 175s. 0d. 1000 and pointing with a neat weathered joint</p>   | <p>Blue pressed Staffordshire facings p.c. 400s. 6d. 1000 and pointing with a neat weathered joint</p>             | <p>White glazed facing p.c. 990s. 0d. 1000 for stretchers and 977s. 9d. 1000 for headers and pointing with white cement</p> |
| <p><b>FACINGS—continued</b><br/>                 Semi-circular arch in purpose-made radiating facing bricks in two half-brick rings 4½" on bed and 9" high and pointing .....<br/>                 Labour and material in brick-on-edge coping to 9" wall bedded and pointed .....<br/>                 Ditto with two courses of plain creasing tiles laid breaking joint, all bedded and pointed in mortar and with two cement angle fillets.....<br/>                 Add to above for bull-nose brick .....</p> | <p>Ft. run<br/>                 ..<br/>                 ..<br/>                 ..<br/>                 ..</p> | <p>s. d.<br/>                 10 10<br/>                 1 10<br/>                 4 2<br/>                 0 1</p> | <p>s. d.<br/>                 21 7<br/>                 3 6<br/>                 5 10<br/>                 0 1</p> | <p>s. d.<br/>                 —<br/>                 —<br/>                 —<br/>                 —</p>                    |

| Item   | Unit           | Price        |
|--|----------------|--------------|
| <p><b>SILLS</b></p>  |                | <p>s. d.</p> |
| <p>Sill of two courses of plain roofing tiles laid breaking joint in cement mortar, set weathering and projecting, including pointing, cutting, and waste. . . .</p> | <p>Ft. run</p> | <p>2 7</p>   |
| <p>Labour and materials in brick-on-edge sill, 6" wide in facing bricks p.c. 175s. 0d. 1000 set, pointed and bedded to slight slope.....</p>                         | <p>..</p>      | <p>2 1</p>   |
| <p>As above bullnosed.....</p>   | <p>..</p>      | <p>2 2</p>   |
| <p>Quarry-tile window internal sill of 6" x 6" tiles, 6" wide, and grouting and pointing in cement .....</p>   | <p>..</p>      | <p>1 4½</p>  |

**Bricklayer**

| Item   | Unit       | 3" thick |    | 4½" thick |    |
|--|------------|----------|----|-----------|----|
|  |            | s.       | d. | s.        | d. |
| <b>PARTITIONS</b>  |            |          |    |           |    |
| <i>Breeze concrete hollow partition slabs to B.S.728 and setting in cement mortar .</i>                        | Yd. super. | 8        | 3  | 10        | 1  |
| Labour bonding angles and intersections  | Ft. run    | 0        | 4  | 0         | 5  |
| Wedging and pinning up partition to soffit . . . . .   | "          | 0        | 5  | 0         | 6  |
| Labour and material block-bonding partition to brickwork including cutting or forming vertical chase . . . . . | "          | 0        | 7  | 0         | 8  |
| Raking cutting . . . . .   | "          | 0        | 4½ | 0         | 5  |
| Circular cutting . . . . .   | "          | 0        | 6½ | 0         | 8  |
| Cutting around opening . . . . .   | "          | 0        | 2½ | 0         | 3  |
| <i>Foamed slag hollow partition slabs to B.S.728 and setting in cement mortar .</i>                            | Yd. super. | 10       | 11 | 13        | 6  |
| Labour bonding angles and intersections  | Ft. run    | 0        | 4  | 0         | 5  |
| Wedging and pinning up partition to soffit . . . . .   | "          | 0        | 5  | 0         | 6  |
| Labour and material block-bonding partition to brickwork including cutting or forming vertical chase . . . . . | "          | 0        | 8  | 0         | 9  |
| Raking cutting . . . . .   | "          | 0        | 6  | 0         | 7  |
| Circular cutting . . . . .   | "          | 0        | 8  | 0         | 9½ |
| Cutting around opening . . . . .   | "          | 0        | 3  | 0         | 3½ |
| <i>Ballast concrete hollow partition slabs to B.S.728 and setting in cement mortar .</i>                       | Yd. super. | 14       | 0  | 17        | 1½ |
| Labour bonding angles and intersections  | Ft. run    | 0        | 8½ | 0         | 10 |
| Wedging and pinning up partition to soffit . . . . .   | "          | 0        | 10 | 1         | 0  |
| Labour and material block-bonding partition to brickwork including cutting or forming vertical chase . . . . . | "          | 1        | 1  | 1         | 3  |
| Raking cutting . . . . .   | "          | 0        | 8  | 0         | 9½ |
| Circular cutting . . . . .   | "          | 1        | 0  | 1         | 2½ |
| Cutting around opening . . . . .   | "          | 0        | 5  | 0         | 6  |

| Item  | Unit       | 2" thick |    | 2½" thick |    | 3" thick |    | 4" thick |    | 4½" thick |    |
|---|------------|----------|----|-----------|----|----------|----|----------|----|-----------|----|
|   |            | s.       | d. | s.        | d. | s.       | d. | s.       | d. | s.        | d. |
| <i>Breeze concrete solid partition slabs to B.S.492 and setting in cement mortar . . . . .</i>                  | Yd. super. | 6        | 10 | 8         | 1  | 9        | 5½ | —        | —  | 11        | 9½ |
| Labour bonding angles and intersections . . . . .   | Ft. run    | 0        | 2½ | 0         | 3½ | 0        | 4  | —        | —  | 0         | 5  |
| Wedging and pinning up partition to soffit . . . . .  | "          | 0        | 3½ | 0         | 4  | 0        | 5  | —        | —  | 0         | 6  |
| Labour and material block-bonding partition to brickwork, including cutting or forming vertical chase . . . . . | "          | 0        | 5  | 0         | 6  | 0        | 7  | —        | —  | 0         | 8  |
| Raking cutting . . . . .  | "          | 0        | 3  | 0         | 4  | 0        | 4½ | —        | —  | 0         | 6  |
| Circular cutting . . . . .  | "          | 0        | 4½ | 0         | 5½ | 0        | 7  | —        | —  | 0         | 8  |
| Cutting around opening . . . . .  | "          | 0        | 1½ | 0         | 2½ | 0        | 3  | —        | —  | 0         | 3½ |

**Bricklayer**

| Item  | Unit       | 2"    | 2½"   | 3"    | 4"    | 4½"   |
|---|------------|-------|-------|-------|-------|-------|
|   |            | thick | thick | thick | thick | thick |
|   |            | s. d. | s. d. | s. d. | s. d. | s. d. |
| <b>PARTITIONS—contd.</b>  |            |       |       |       |       |       |
| <i>Foamed slag solid partition slabs to B.S.492 and setting in cement mortar.</i>                     | Yd. super. | 8 6   | 10 0  | 11 4  | —     | 15 2½ |
| Labour bonding angles and intersections   | Ft. run    | 0 2½  | 0 3½  | 0 4   | —     | 0 5   |
| Wedging and pinning up partition to soffit  | ..         | 0 3½  | 0 4   | 0 5   | —     | 0 6   |
| Labour and material block-bonding partition to brickwork including cutting or forming vertical chase  | ..         | 0 6   | 0 7   | 0 8   | —     | 0 9½  |
| Raking cutting  | ..         | 0 4   | 0 5   | 0 6   | —     | 0 8   |
| Circular cutting  | ..         | 0 5   | 0 7   | 0 8   | —     | 0 10  |
| Cutting around opening  | ..         | 0 2½  | 0 3   | 0 3½  | —     | 0 3½  |
| <i>Hollow clay partition blocks to B.S.1190 keyed on both sides and setting in cement mortar</i>      | Yd. super. | 6 6   | 7 3   | 8 7   | —     | 10 1  |
| Labour bonding angles and intersections   | Ft. run    | 0 2½  | 0 3½  | 0 4   | —     | 0 5   |
| Wedging and pinning up partition to soffit  | ..         | 0 3½  | 0 4   | 0 5   | —     | 0 6   |
| Labour and material block-bonding partition to brickwork, including cutting or forming vertical chase | ..         | 0 4½  | 0 5½  | 0 6½  | —     | 0 8   |
| Raking cutting  | ..         | 0 3   | 0 3½  | 0 4   | —     | 0 5   |
| Circular cutting  | ..         | 0 4   | 0 5   | 0 6   | —     | 0 7½  |
| Cutting around opening  | ..         | 0 1½  | 0 2   | 0 2½  | —     | 0 3   |
| <i>Moder hollow partition blocks keyed on both sides and setting in cement mortar</i>                 | Yd. super. | 11 11 | 12 7½ | 13 4  | 14 11 | —     |
| Labour bonding angles and intersections   | Ft. run    | 0 2½  | 0 3½  | 0 4   | 0 5   | —     |
| Wedging and pinning up partition to soffit  | ..         | 0 3½  | 0 4   | 0 5   | 0 6   | —     |
| Labour and material block-bonding partition to brickwork, including cutting or forming vertical chase | ..         | 0 7   | 0 8   | 0 8½  | 0 9½  | —     |
| Raking cutting  | ..         | 0 5½  | 0 6   | 0 7   | 0 8   | —     |
| Circular cutting  | ..         | 0 7   | 0 8   | 0 9   | 0 10  | —     |
| Cutting around opening  | ..         | 0 3½  | 0 4   | 0 4   | 0 4½  | —     |
| <i>Fosasil partition blocks and setting in cement mortar</i>  | Yd. super. | 18 0  | 19 6½ | 21 1½ | 25 3  | 26 9  |
| Labour bonding angles and intersections   | Ft. run    | 0 2½  | 0 3½  | 0 4   | 0 5   | 0 5   |
| Wedging and pinning up partition to soffit  | ..         | 0 3½  | 0 4   | 0 5   | 0 6   | 0 6   |

DRAINLAYER

Prices for drain trenches are for excavation in heavy soil, and it has been assumed that planking and strutting will only be required for trenches 3' 0" or more in depth.  
 Attention is drawn to the notes on excavation in other soils given under "Excavator". The necessity for and the type of planking and strutting required do, of course, vary with the type of soil and this factor should be borne in mind if adjustments are being made.  
 Prices used for planking and strutting are to be found in "Excavator".

EXCAVATION FOR DRAIN TRENCHES

Excavating trench for drain, grading bottom, part returning, filling in and ramming and remainder wheeling not exceeding 50 yds run and spreading and leveling over site, including planking and strutting

| Diameter of drain: | Depth of Trench |       |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|--------------------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                    | 1'              | 2'    | 3'    | 4'    | 5'    | 6'    | 7'    | 8'    | 9'    | 10'    | 11'    | 12'    | 13'    | 14'    | 15'    |        |        |        |        |        |        |        |        |        |
| 4" 6"              | s. 2            | d. 3½ | s. 4  | d. 13 | s. 9  | d. 17 | s. 13 | d. 23 | s. 17 | d. 23  | s. 23  | d. 29  | s. 28  | d. 37  | s. 32  | d. 43  | s. 48  | d. 57  | s. 63  | d. 70  | s. 76  | d. 82  | s. 88  | d. 104 |
| & 9"               | s. 2            | d. 5  | s. 2  | d. 14 | s. 8  | d. 18 | s. 12 | d. 25 | s. 18 | d. 27  | s. 25  | d. 34  | s. 37  | d. 46  | s. 40  | d. 54  | s. 51  | d. 60  | s. 67  | d. 77  | s. 81  | d. 93  | s. 93  | d. 104 |
| 12"                | s. 5            | d. 9  | s. 5  | d. 16 | s. 12 | d. 20 | s. 17 | d. 27 | s. 23 | d. 36  | s. 30  | d. 44  | s. 47  | d. 61  | s. 54  | d. 71  | s. 61  | d. 83  | s. 92  | d. 105 | s. 111 | d. 126 | s. 137 | d. 159 |
| 15"                | s. 6            | d. 11 | s. 6  | d. 18 | s. 14 | d. 23 | s. 20 | d. 33 | s. 27 | d. 42  | s. 36  | d. 53  | s. 58  | d. 73  | s. 63  | d. 83  | s. 71  | d. 94  | s. 105 | d. 124 | s. 115 | d. 137 | s. 146 | d. 170 |
| 18"                | s. 6            | d. 11 | s. 6  | d. 18 | s. 14 | d. 23 | s. 20 | d. 33 | s. 27 | d. 42  | s. 36  | d. 53  | s. 58  | d. 73  | s. 63  | d. 83  | s. 71  | d. 94  | s. 105 | d. 124 | s. 115 | d. 137 | s. 146 | d. 170 |
| 24"                | s. 16           | d. 4  | s. 16 | d. 21 | s. 10 | d. 27 | s. 36 | d. 47 | s. 47 | d. 61  | s. 54  | d. 71  | s. 83  | d. 102 | s. 111 | d. 126 | s. 137 | d. 159 | s. 146 | d. 170 | s. 181 | d. 217 | s. 217 | d. 264 |
| 30"                | s. 18           | d. 11 | s. 18 | d. 25 | s. 3  | d. 41 | s. 54 | d. 63 | s. 68 | d. 81  | s. 87  | d. 101 | s. 113 | d. 134 | s. 146 | d. 170 | s. 181 | d. 217 | s. 217 | d. 264 | s. 264 | d. 324 | s. 324 | d. 396 |
| 36"                | s. 27           | d. 6  | s. 27 | d. 34 | s. 5  | d. 45 | s. 58 | d. 68 | s. 77 | d. 94  | s. 109 | d. 134 | s. 146 | d. 170 | s. 181 | d. 217 | s. 217 | d. 264 | s. 264 | d. 324 | s. 324 | d. 396 | s. 396 | d. 480 |
| 42"                | s. 29           | d. 9  | s. 29 | d. 37 | s. 4  | d. 49 | s. 62 | d. 73 | s. 83 | d. 94  | s. 109 | d. 134 | s. 146 | d. 170 | s. 181 | d. 217 | s. 217 | d. 264 | s. 264 | d. 324 | s. 324 | d. 396 | s. 396 | d. 480 |
| 48"                | s. 40           | d. 11 | s. 40 | d. 40 | s. 14 | d. 52 | s. 67 | d. 78 | s. 89 | d. 100 | s. 116 | d. 130 | s. 143 | d. 157 | s. 170 | d. 197 | s. 217 | d. 264 | s. 264 | d. 324 | s. 324 | d. 396 | s. 396 | d. 480 |

**Drainlayer**

Prices for drain trenches are for excavation in heavy soil, and it has been assumed that planking and strutting will only be required for trenches 3' 0" or more in depth.  
 Prices used for planking and strutting are to be found in "Excavator".

| Item   | Unit    | Depth of trench |    |    |    |    |    |    |    |    |     |     |     |    |    |    |    |    |    |    |     |    |    |
|--|---------|-----------------|----|----|----|----|----|----|----|----|-----|-----|-----|----|----|----|----|----|----|----|-----|----|----|
|  |         | 1'              | 2' | 3' | 4' | 5' | 6' | 7' | 8' | 9' | 10' | 11' | 12' |    |    |    |    |    |    |    |     |    |    |
| <b>EXCAVATION FOR DRAIN TRENCHES BY MECHANICAL TRENCHER AND REFILLING BY HAND</b><br>Excavating trench for drain, grading bottom, part returning, filling in and ramming, and remainder wheeling not exceeding 50 yds. run, and spreading and levelling over site, including planking and strutting:<br>Diameter of drain:<br>4", 6" and 9" ..<br>12" ..<br>15" ..<br>18" ..<br>24" ..<br>30" ..<br>36" ..<br>42" ..<br>48" .. | Yd. run | 1               | 6  | 8  | 10 | 11 | 14 | 0  | 19 | 8  | 23  | 6   | 28  | 1  | 32 | 4  | 36 | 8  | 43 | 10 | 48  | 8  |    |
|  | "       | 3               | 6  | 8  | 11 | 9  | 15 | 1  | 20 | 11 | 25  | 3   | 30  | 1  | 34 | 8  | 39 | 3  | 46 | 8  | 52  | 11 |    |
|  | "       | 3               | 8  | 9  | 11 | 12 | 7  | 16 | 2  | 22 | 5   | 26  | 9   | 31 | 11 | 36 | 11 | 41 | 10 | 49 | 11  | 55 | 5  |
|  | "       | 4               | 6  | 10 | 5  | 14 | 1  | 18 | 3  | 25 | 0   | 30  | 0   | 36 | 1  | 41 | 7  | 47 | 5  | 56 | 0   | 62 | 4  |
|  | "       | —               | —  | 12 | 3  | 16 | 8  | 21 | 8  | 29 | 1   | 35  | 0   | 42 | 0  | 48 | 2  | 55 | 7  | 65 | 1   | 72 | 7  |
|  | "       | —               | —  | 14 | 0  | 19 | 3  | 24 | 10 | 33 | 1   | 39  | 8   | 48 | 2  | 55 | 7  | 63 | 5  | 74 | 1   | 82 | 10 |
|  | "       | —               | —  | —  | —  | 20 | 11 | 26 | 11 | 35 | 11  | 43  | 3   | 52 | 0  | 60 | 3  | 68 | 10 | 80 | 2   | 89 | 7  |
|  | "       | —               | —  | —  | —  | 22 | 5  | 29 | 0  | 38 | 8   | 46  | 6   | 56 | 2  | 64 | 11 | 74 | 2  | 86 | 4   | 96 | 4  |
|  | "       | —               | —  | —  | —  | —  | 31 | 4  | 41 | 3  | 49  | 9   | 60  | 1  | 69 | 7  | 79 | 7  | 92 | 5  | 103 | 4  | —  |



## Drainlayer

| Item   | Unit    | Bed only |          | Bed and benching to top of pipe |          | Square section surround |          |
|--|---------|----------|----------|---------------------------------|----------|-------------------------|----------|
|  |         | 4" thick | 6" thick | 4" thick                        | 6" thick | 4" thick                | 6" thick |
| <b>CONCRETE BEDS AND BENCHING</b>  |         |          |          |                                 |          |                         |          |
| Concrete (1 : 3 : 6—1½" aggregate), 12" wider than internal diameter of pipe in beds, benching and surrounds to pipes: |         |          |          |                                 |          |                         |          |
| Diameter of pipe:  |         |          |          |                                 |          |                         |          |
| 4" .....   | Yd. run | 2 7      | 3 9½     | 3 3                             | 4 5      | 7 5                     | 10 0     |
| 6" .....   | "       | 2 10½    | 4 3      | 3 9                             | 5 3      | 9 2                     | 12 0     |
| 9" .....   | "       | 3 4      | 4 11½    | 4 2                             | 5 10½    | 11 10                   | 15 2     |
| 12" .....  | "       | 3 9      | 5 4      | 4 5½                            | 6 4      | 14 10½                  | 18 8     |
| 15" .....  | "       | 4 3      | 6 4½     | 8 9                             | 10 10½   | 17 8                    | 21 11½   |
| 18" .....  | "       | 4 9      | 7 1      | 9 8½                            | 12 0½    | 20 7½                   | 25 4½    |
| 24" .....  | "       | 5 8      | 8 6½     | —                               | —        | —                       | —        |
| 30" .....  | "       | 6 7½     | 9 11     | —                               | —        | —                       | —        |
| 36" .....  | "       | 7 6½     | 11 4     | —                               | —        | —                       | —        |
| 42" .....  | "       | 8 6½     | 12 9     | —                               | —        | —                       | —        |
| 48" .....  | "       | 9 5½     | 14 2½    | —                               | —        | —                       | —        |

**Drainlayer**

| Item   | Unit   | Diameter of pipe |       |       |        |        |       |         |         |  |  |  |  |
|--|--------|------------------|-------|-------|--------|--------|-------|---------|---------|--|--|--|--|
|  |        | 4"               | 6"    | 9"    | 12"    | 15"    | 18"   | 21"     | 24"     |  |  |  |  |
| <b>STONEWARE PIPES</b>   |        |                  |       |       |        |        |       |         |         |  |  |  |  |
| Stoneware drain pipes and laying and jointing<br>in trenches:      | Ft run |                  |       |       |        |        |       |         |         |  |  |  |  |
| "Seconds" quality .....  | "      | 1 7              | 2 3½  | 3 8   | 6 0    | 9 8    | 13 2  | 20 2    | 25 10½  |  |  |  |  |
| "Best" quality .....   | "      | 1 9½             | 2 7½  | 4 2   | 6 10   | 11 1   | 15 3  | 23 4    | 30 0    |  |  |  |  |
| "British Standard" quality to B.S.65 ..                            | "      | 1 10½            | 2 8½  | 4 4   | 7 2    | 11 7½  | 16 0  | 24 6    | 31 6    |  |  |  |  |
| "Tested" quality .....   | "      | 2 0              | 2 11½ | 4 10  | 7 11½  | 12 10½ | 17 9  | 27 2½   | 35 0    |  |  |  |  |
| "British Standard Tested" quality to<br>B.S.65 .....               | "      | 2 2½             | 3 0½  | 5 0   | 8 3    | 13 5   | 18 6  | 28 4½   | 36 6½   |  |  |  |  |
| "Seconds" quality pipes, <i>extra for</i> :                        | No.    |                  |       |       |        |        |       |         |         |  |  |  |  |
| Bend .....   | "      | 2 6              | 3 8   | 5 7½  | 10 8   | 46 10  | 65 5  | 100 10  | 130 7   |  |  |  |  |
| Single junction .....  | "      | 3 10             | 5 7   | 9 6   | 15 6   | 25 5   | 34 11 | 55 2    | 70 11   |  |  |  |  |
| Double junction .....  | "      | 6 6              | 9 7   | 16 8  | 27 6   | 45 1½  | 62 6  | 97 8    | 125 11½ |  |  |  |  |
| Taper pipe .....   | "      | 3 0              | 4 6   | 7 11½ | 13 5½  | 22 5   | 31 4½ | —       | —       |  |  |  |  |
| "British Standard Tested" quality to B.S.65,<br><i>extra for</i> : | "      |                  |       |       |        |        |       |         |         |  |  |  |  |
| Bend .....   | "      | 3 5              | 5 1   | 9 0   | 14 10½ | 60 11  | 85 1½ | 131 3   | 170 0   |  |  |  |  |
| Single junction .....  | "      | 5 1              | 7 5½  | 12 11 | 21 2   | 34 9½  | 48 0½ | 78 10½  | 100 8½  |  |  |  |  |
| Double junction .....  | "      | 8 4½             | 12 4½ | 21 9  | 35 11  | 59 2½  | 82 2½ | 130 10½ | 169 0   |  |  |  |  |
| Taper pipe .....   | "      | 4 3              | 6 4½  | 11 5½ | 19 1   | 32 10½ | 44 6  | —       | —       |  |  |  |  |

*Drainlayer*

| Item   | Unit | 6" x 6"<br>grating<br>4" outlet | 9" x 9"<br>grating<br>6" outlet |
|--|------|---------------------------------|---------------------------------|
| <b>STONEWARE GULLIES,<br/>INTERCEPTORS, ETC.</b>   |      | <i>s. d.</i>                    | <i>s. d.</i>                    |
| Salt-glazed trapped gully, to<br>B.S.539, with loose iron<br>painted grating, including<br>setting gully on and sur-<br>rounding with concrete and<br>jointing to drain .....  | No.  | 16 1                            | 25 7½                           |
| <i>Add to above for</i>  |      |                                 |                                 |
| Galvanized grating .....   | "    | 1 3                             | 2 9                             |
| Horizontal inlet .....   | "    | 2 3                             | 2 3                             |
| Vertical inlet .....   | "    | 3 4                             | 3 4                             |
| Raising piece .....  | "    | 6 4                             | —                               |
|  |      | Diameter of gully               |                                 |
|  |      | 9"                              | 12"                             |
| <b>Grease and mud gully 24" deep<br/>with 4" outlet and gal-<br/>vanized perforated bucket,<br/>Stanford stopper to inspec-<br/>tion eye and painted grating,<br/>including setting gully on and<br/>surrounding with concrete<br/>and jointing to drain .....</b> | "    | <i>s. d.</i>                    | <i>s. d.</i>                    |
| <i>Add to the above for</i>  |      |                                 |                                 |
| Galvanized grating .....   | "    | 59 4                            | 93 8                            |
|  | "    | 3 9                             | 5 7                             |
|  |      | Diameter of gully               |                                 |
|  |      | 6"                              | 9"                              |
|  |      | 12"                             |                                 |
| <b>Grease and mud gully to B.S.539<br/>with 4" outlet and black cast-<br/>iron grating and bucket, in-<br/>cluding setting gully on and<br/>surrounding with concrete<br/>and jointing to drain .....</b>  | "    | <i>s. d.</i>                    | <i>s. d.</i>                    |
| <i>Add to the above for</i>  |      |                                 |                                 |
| Galvanized grating and<br>bucket .....   | "    | 31 4                            | 48 9½                           |
| Inspection eye and gal-<br>vanized sealing plate .....   | "    | 5 7                             | 17 4                            |
|  | "    | 9 4                             | 9 4                             |

**Drainlayer**

| Item   | Unit | Price  |
|--|------|--------|
| <b>STONEWARE GULLIES, INTERCEPTORS, ETC.—<i>continued</i></b>  |      |        |
| Road gullies, to B.S.539, with 6" diameter outlet as Table 21, including bedding on and surrounding with 4" concrete and necessary excavation and jointing to drain:   |      |        |
| 15" diameter and 2' 6" deep inside   | No.  | 3 16 6 |
| 15" " " 3' 0" "  | "    | 4 7 0  |
| 18" " " 3' 0" "  | "    | 5 11 4 |
| 18" " " 4' 0" "  | "    | 7 8 4  |
| Cast-iron hinged grating for road gully, as "Doultons" Fig. 64, and bedding in cement mortar (1:3) on and including one course of bricks on edge:  |      |        |
| Size 16" x 16", weight 1 cwt. 2 qrs.   |      | 3 4 4  |
| " 20" x 15", " 2 cwt. 0 qrs. 14 lb.  |      | 4 12 1 |
| Intercepting trap with inspection arm, stopper, galvanized iron lever and chain fixed to stopper, including fixing chain to brickwork, bedding stopper in cart grease and sand, and setting in and surrounding with concrete 6" thick and jointing to drain, including cutting and fitting brickwork around: |      |        |
| 4" . . . . .   | "    | 2 8 11 |
| 6" . . . . .   | "    | 2 14 0 |
| 9" . . . . .   | "    | 3 12 5 |
| <b>SUNDRIES</b>  |      |        |
| Cement joint of rainwater or soil pipe to stoneware drain  | No.  | 0 0 8  |
| Cement joint of W.C. pan to stoneware drain  | "    | 0 0 8  |
| Approved 4" diameter galvanized fresh-air inlet with cast brass front and mica flap and fixing to brickwork, including cement joint to stoneware drain   | "    | 1 0 7  |
| Cleaning eye on 4" socketed drain consisting of easy bend jointed to drain with short length of 4" drain-pipe brought up to ground level and set in and surrounded with concrete 4" thick and finished with a 9" x 6" cast-iron socketed hinged cover set in concrete surround 18" x 18" and 4" thick        | "    | 2 4 9  |
| Curb to gully formed of common bricks on edge in cement mortar on three sides, size 9" x 9" in clear, rendered all round with cement mortar trowelled hard and smooth and dished to gully top and carried 9" up face of wall at back as skirting   | "    | 0 5 11 |
| Ditto, but size 27" x 9" in clear and with and including 18" length of 4" salt-glazed half-round channel bedded on and including concrete rendered and trowelled hard and smooth   | "    | 0 10 8 |

*Drainlayer*

| Item   | Unit        | Price                                     |  |
|--|-------------|---|--|
| <b>LAND DRAINS</b>   |             | <b>£ s. d.</b>                            |  |
| Excavating trench for land drain not exceeding 9" diameter, filling in lower 12" with hardcore and remainder with earth, and wheeling and spreading surplus not exceeding 50 yds. run, including planking and strutting: |             |   |  |
| Average depth 2' 0" .....  | Yd. run     | 0 7                                       | 4½   |
| "    "    3' 0" .....  | "    "      | 0 9                                       | 8  |
| "    "    4' 0" .....  | "    "      | 0 15                                      | 4  |
|  | <b>Unit</b> | <b>Clayware<br/>pipes to<br/>B.S.1196</b> | <b>Porous<br/>concrete<br/>pipes to<br/>B.S.1194</b> |
|  |             | <i>s. d.</i>                              | <i>s. d.</i>   |
| Butt-jointed land drain pipes and<br>laying in trench:   |             |   |  |
| 3" diameter .....  | Ft. run     | 0 6                                       | 0 11½  |
| 4"    "    .....   | "    "      | 0 8                                       | 1 1  |
| 6"    "    .....   | "    "      | 1 3½                                      | 1 5½   |

**Drainlayer**

| Item  | Unit    | Diameter of pipes |                |               |               |                |               |               |               | Price |       |                   |
|---|---------|-------------------|----------------|---------------|---------------|----------------|---------------|---------------|---------------|-------|-------|-------------------|
|   |         | 12"               | 15"            | 18"           | 24"           | 30"            | 36"           | 42"           | 48"           |       |       |                   |
| <b>CONCRETE PIPES, ETC.</b>   |         |                   |                |               |               |                |               |               |               |       |       |                   |
| Concrete pipes to B.S.556 with O.G. joints and laying and jointing in open trench   | Ft. run | s. d.<br>4 11½    | s. d.<br>6 6   | s. d.<br>8 3  | s. d.<br>14 2 | s. d.<br>21 10 | s. d.<br>28 0 | s. d.<br>37 4 | s. d.<br>49 1 |       |       |                   |
| Extra on above for:<br>Bends to B.S.556   | No.     | 1 9               | 2 4            | 3 1           | 4 9           | —              | —             | —             | —             |       |       |                   |
| Junctions to B.S.556  | "       | 4"                | 6"             | 9"            | 12"           | 15"            | 18"           | —             | —             |       |       |                   |
|   |         | s. d.<br>11 5½    | s. d.<br>14 6½ | s. d.<br>24 1 | s. d.<br>34 1 | s. d.<br>44 2  | s. d.<br>58 4 | —             | —             |       |       |                   |
| Concrete pipes to B.S.556 with spigot and socket joints and laying and jointing in open trench  | Ft. run | s. d.<br>5 7      | s. d.<br>7 3   | s. d.<br>9 2  | s. d.<br>15 8 | s. d.<br>24 6  | s. d.<br>31 6 | s. d.<br>42 7 | s. d.<br>55 4 |       |       |                   |
| Extra on above for:<br>Bends to B.S.556   | No.     | 2 2½              | 2 10½          | 3 9           | 6 0           | —              | —             | —             | —             |       |       |                   |
| Junctions to B.S.556  | "       | 4"                | 6"             | 9"            | 12"           | 15"            | 18"           | —             | —             |       |       |                   |
|   |         | s. d.<br>12 7     | s. d.<br>16 0  | s. d.<br>26 6 | s. d.<br>38 5 | s. d.<br>49 6  | s. d.<br>65 7 | —             | —             |       |       |                   |
| Concrete road gullies to B.S.556, 18" diameter and 3' 6" deep inside with 6" outlet, including bedding on and surrounding with 4" concrete and necessary excavation and jointing to drain |         |                   |                |               |               |                |               |               |               | Unit  | Price | £ s. d.<br>4 19 5 |



**Drainlayer**

| Item  | Unit    | Diameter of pipes |    |    |    |     |    |     |    |
|---|---------|-------------------|----|----|----|-----|----|-----|----|
|   |         | 3"                |    | 4" |    | 6"  |    | 9"  |    |
|   |         | s                 | d. | s  | d. | s.  | d. | s.  | d. |
| <b>SPUN CAST-IRON PIPES</b>   |         |                   |    |    |    |     |    |     |    |
| Spun cast-iron pipes to B.S.1211 Class "B" and laying and jointing in open trench ..... | Ft. run | 4                 | 3  | 5  | 6  | 8   | 2  | 14  | 1  |
| <i>Extra for:</i>   |         |                   |    |    |    |     |    |     |    |
| Short lengths .....   | "       | 1                 | 9  | 2  | 0  | 4   | 6  | 11  | 3  |
| Laying and jointing at depths over 5' 0" .....  | "       | 1                 | 0  | 1  | 3  | 1   | 6  | 2   | 0  |
| <br>  |         |                   |    |    |    |     |    |     |    |
| <i>Extra on above for the following fittings to B.S.1130:</i>                           |         |                   |    |    |    |     |    |     |    |
| Bend, short radius as Fig. 1 .....  | No.     | 25                | 0  | 36 | 3  | 51  | 6  | 122 | 6  |
| " long radius as Fig. 3 .....   | "       | 26                | 10 | 36 | 9  | 58  | 0  | —   | —  |
| " with socket to receive stoneware pipe as Fig. 24 .....                                | "       | —                 | —  | 33 | 6  | —   | —  | —   | —  |
| " with small square door shaped to bore of pipe as Fig. 5 .....                         | "       | —                 | —  | 63 | 3  | 87  | 3  | —   | —  |
| Branch, as Fig. 4 .....   | "       | 33                | 6  | 40 | 0  | 74  | 6  | 152 | 0  |
| " with small square door shaped to bore of pipe, as Fig. 8 .....                        | "       | 74                | 0  | 77 | 3  | 117 | 3  | 119 | 0  |



*Drainlayer*

| Item  | Unit | Price        |              |              |              |
|---|------|--------------|--------------|--------------|--------------|
|   |      | 3"           | 4"           | 6"           | 9"           |
|   |      | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| <b>CAST-IRON GULLIES AND INTERCEPTORS, ETC.</b>   |      |              |              |              |              |
| Cast-iron gully trap with high invert (Fig. 59) and outlet and setting on and surrounding with concrete and connecting to drain . . . . .   | No.  | 30 9         | 39 6         | 80 0         | 202 6        |
| <i>Add to the above for:</i>  |      |              |              |              |              |
| Bellmouth and grating 12" high, to B.S.1130 (Fig. 61) . . . . .   | "    | 25 0         | 30 3         | 45 9         | —            |
| Ditto, but with horizontal inlet to B.S.1130 (Fig. 62) . . . . .  | "    | 31 9         | 38 0         | 76 6         | —            |
| Ditto, but with vertical inlet to B.S.1130 (Fig. 65) . . . . .  | "    | 33 6         | 35 0         | 97 3         | —            |
| Cast-iron rainwater shoe with vertical inlet to B.S.1130 (Fig. 76) and rectangular inspection opening, and setting on and surrounding with concrete and connecting to drain . . . . . | "    | —            | 93 6         | 117 0        | —            |

| Item   | Unit | Price        |              |              |              |              |
|--|------|--------------|--------------|--------------|--------------|--------------|
|  |      | 4"           | 6" x 4"      | 6"           | 9" x 6"      | 9"           |
|  |      | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| <b>CAST-IRON INSPECTION FITTINGS</b>                                     |      |              |              |              |              |              |
| Inspection fittings with flat covers to B.S.1130:                        |      |              |              |              |              |              |
| Branch with single branch one side, as Fig. 13 . . . . .                 | No.  | 113 3        | 152 9        | 165 0        | 349 6        | 387 0        |
| Branch with single branch on each side, as Fig. 14 . . . . .             | "    | 146 6        | 187 3        | 214 0        | 397 9        | 484 6        |
| Add to the foregoing for each additional branch on either side . . . . . | "    | 55 5         | —            | 71 3         | —            | 164 6        |

***Drainlayer***

| Item  | Unit    | Price        |    |
|---|---------|--------------|----|
|   |         | <i>s. d.</i> |    |
| <b>MANHOLES, ETC.</b>   |         |              |    |
| Excavating, returning small part, filling in and well ramming and remainder removing a distance not exceeding 100 yds. and depositing   | Yd.     |              |    |
| Depth up to 5' 0"   | cube    | 10           | 4  |
| " between 5' 0" and 10' 0"  | "       | 13           | 2  |
| " " 10' 0" " 15' 0"   | "       | 14           | 7  |
| Planking and strutting to sides of excavation   | Ft.     |              |    |
| Depth up to 5' 0"   | super.  | 0            | 1½ |
| " " 10' 0"  | "       | 0            | 2½ |
| " " 15' 0"  | "       | 0            | 3  |
| Cement concrete (1:3:6-1½" aggregate) spread and levelled as bottoms, including preparing ground  | Yd.     |              |    |
| 6" thick  | super.  | 8            | 6  |
| 9" "  | "       | 12           | 9  |
| Concrete (1:1½:3-½" aggregate) in benching, finished to steep slopes with edges rounded and dished to main and branch channels, including rendering in cement and sand (1:2) trowelled hard and smooth. | Ft.     |              |    |
| Average thickness 9"  | super.  | 2            | 3  |
| " " 12"   | "       | 3            | 0  |
| 4" reinforced cement concrete (1:2:4-1½" aggregate) suspended slab cover (formwork and reinforcement measured separately)   | Yd.     |              |    |
|   | super.  | 7            | 2  |
| Fabric reinforcement weighting 4.71 lb. per yd. super. to B.S.1221, Part A or B, cut to size, properly lapped and embedded in concrete slab (measured net)  | "       |              |    |
|   | Ft.     | 2            | 8  |
| Formwork and supports to soffit of concrete slab  | super.  | 2            | 3  |
| Formwork and supports to edge of concrete not exceeding 6" high   | Ft. run | 0            | 9  |
| Formwork to form rebated perforation in 4" concrete to receive 24" x 18" manhole cover and frame  | No.     | 5            | 3  |

|   | Unit       | 2¼" plain<br>flintons<br>p.c.<br>85s. 0d.<br>1000 | 2½" engi-<br>neering<br>bricks p.c.<br>220s. 0d.<br>1000 |
|---|------------|---|--|
| Reduced brickwork to sides in cement mortar (1:3) | Rod super. | £ 52 14 5   | £ 93 13 4  |
| Half-brick wall ditto                             | Yd. super. | 0 12 10½  | 1 2 6  |
| One-brick wall ditto                              | "          | 1 3 3   | 2 1 3  |

|   | Unit       | Price        |
|---|------------|--------------|
| Fair face to brickwork pointed with a neat flush joint as the work proceeds | Yd. super. | s. d.<br>1 4 |
| <i>Extra on above for one course set fair oversailing</i>                   | Ft. run    | 0 2          |
| Portland cement and sand (1:3) rendering trowelled smooth on brick sides    | Yd. super. | 3 2          |
| Ditto, in narrow widths on brick oversailing courses including arrises      | Ft. super. | 0 8          |

## Drainlayer

| Item   | Unit    | Price |       |        |         |         |       |
|--|---------|-------|-------|--------|---------|---------|-------|
|  |         | 4"    | 6"    | 9"     | 12"     | 15"     | 18"   |
| <b>MANHOLES, ETC.—continued</b>  |         |       |       |        |         |         |       |
| <i>The following in brown salt-glazed stoneware channels bedded in concrete and jointed in cement:</i> |         |       |       |        |         |         |       |
| Half-round straight channels   | Ft. run | 1 5   | 2 2   | 3 7    | 5 7     | 8 9½    | 12 1½ |
| ordinary channel bend  | No.     | 4 4   | 6 2   | 10 2   | 16 1    | 47 9    | 65 10 |
| "  |         | 4"-6" | 6"-9" | 9"-12" | 12"-15" | 15"-18" |       |
| "  |         | s. d. | s. d. | s. d.  | s. d.   | s. d.   |       |
| "  |         | 7 4½  | 12 6  | 20 1½  | 32 9    | 45 8    |       |
| "  |         | 8 3   | 15 2  |        |         |         |       |
| straight taper channels, 2' 0" long  | "       | 4"    | 6"    | 9"     | 12"     | 15"     | 18"   |
| taper channel bend   | "       | s. d. | s. d. | s. d.  | s. d.   | s. d.   | s. d. |
| "  |         | 9 3   | 13 7  |        |         |         |       |
| <b>Three-quarter section curved channel bends</b>  |         |       |       |        |         |         |       |
| <i>The following in white glazed ware channels bedded in concrete and jointed in cement:</i>           |         |       |       |        |         |         |       |
| Half-round straight channels   | Ft. run | 3 1   | 4 2   | 6 8    | 9 8½    | 15 3    | 21 7  |
| ordinary channel bends   | No.     | 10 6½ | 15 9  | 25 0   |         |         |       |
| "  |         | 4"-6" | 6"-9" | 9"-12" | 12"-15" | 15"-18" |       |
| "  |         | s. d. | s. d. | s. d.  | s. d.   | s. d.   |       |
| "  |         | 10 1  | 14 2½ | 21 10  |         |         |       |
| "  |         | 12 7  | 22 9  |        |         |         |       |
| straight taper channels, 2' 0" long  | "       | 4"    | 6"    | 9"     | 12"     | 15"     | 18"   |
| taper channel bends  | "       | s. d. | s. d. | s. d.  | s. d.   | s. d.   | s. d. |
| "  |         | 10 2½ | 14 6  |        |         |         |       |
| "  |         | 0 10  | 1 1   | 1 8    |         |         |       |
| Three-quarter section curved channel bends   | "       |       |       | 2 2    | 2 11    | 3 7     | 4 4   |
| Ends of drain pipes built into one-brick sides and made good   | "       |       |       |        |         |         |       |
| Ditto, including forming half-brick arch over in addition  | "       |       |       |        |         |         |       |

**Drainlayer**

| Item   | Unit | Price  |
|--|------|--------|
| <b>MANHOLES, ETC.—continued</b>  |      |        |
| £ s. d.  |      |        |
| Cast-iron galvanized horse-shoe pattern step iron to B.S.1247 and building into brick sides and making good fair face or rendering . . . . | No.  | 0 7 4  |
| Ditto, fixed in sides of concrete manholes . . . .   | "    | 0 5 6  |
| Cast-iron petrol-trapping bend and building into one-brick wall and making good:   |      |        |
| 4" diameter, 15" × 30" . . . . .   | "    | 1 13 6 |
| 6" " 15" × 21" . . . . .   | "    | 3 1 3  |
| 9" " 15" × 30" . . . . .   | "    | 8 12 0 |

| Item  | Unit | Nominal sizes |           |           |            |           |           |
|---|------|---------------|-----------|-----------|------------|-----------|-----------|
|   |      | Coated        |           |           | Galvanized |           |           |
|   |      | 18" × 18"     | 24" × 18" | 24" × 24" | 18" × 18"  | 24" × 18" | 24" × 24" |
| <b>MANHOLE COVERS AND FRAMES</b>  |      | s. d.         | s. d.     | s. d.     | s. d.      | s. d.     | s. d.     |
| Cast-iron rectangular manhole cover and frame to B.S.497 Grade "C" and bedding frame in cement and cover in cart grease and sand. Type: |      |               |           |           |            |           |           |
| Single seal flat . . . . .  | No.  | 34 4          | 39 6      | 53 1      | 47 1       | 55 2      | 73 0      |
| Double . . . . .  | "    | 44 3          | 48 10     | 69 10     | 62 5       | 69 7      | 102 3     |
| Single seal recessed . . . . .  | "    | 36 1          | 41 5      | 57 0      | 49 2       | 57 6      | 80 4      |
| Double . . . . .  | "    | 48 3          | 55 9½     | 75 1      | 66 6       | 77 9      | 106 3     |

|   | Unit | Price |
|---|------|-------|
| Cast-iron manhole cover and frame to B.S.497 Grade "B" and bedding frame in cement and cover in cart grease and sand: |      | s. d. |
| Circular, 20" diameter, coated . . . . .  | No.  | 74 8  |
| " 22" . . . . .   | "    | 82 2  |
| Rectangular, 24" × 18", " (solid top) . . . . .   | "    | 104 9 |
| " " " (recessed top) . . . . .  | "    | 100 7 |
| Cast-iron manhole cover and frame to B.S.497 Grade "A" and bedding frame in cement and cover in cart grease and sand: |      |       |
| Double triangular, 20" diameter clear opening, coated . . . . .   | "    | 130 6 |
| Double triangular, 22" diameter clear opening, coated . . . . .   | "    | 143 9 |

**Drainlayer**

| Item   | Unit    | Diamete. of chamber or shaft |              |              |              |              |              |              |  |
|--|---------|------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--|
|  |         | 27"                          | 36"          | 42"          | 48"          | 54"          | 60"          | 72"          |  |
| <b>PRE - CAST CONCRETE MANHOLES</b>  |         | <i>s. d.</i>                 | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |  |
| Chamber rings to B.S.556 and setting and jointing in cement mortar.....            | Ft. run | 22 8 35                      | 1 46         | 4            | 59 10'       | 86 0         | 95 10        | 123 11       |  |
| Taper rings to B.S. 556, from 27" to 2-ft. lengths                                 | No      | —                            | 74 11        | 98 10        | 127 10       | —            | —            | —            |  |
| 3-ft. "  | "       | —                            | —            | —            | —            | 231          | 2 258        | 3 333 8      |  |
| Shaft rings to B.S. 556 and setting and jointing in cement mortar                  | Ft run  | 22 8                         | —            | —            | —            | —            | —            | —            |  |
| 6" cover slabs to cover shaft or chamber and setting and jointing in cement mortar | No.     | 48                           | 3 60         | 9 75         | 4 94         | 10 117       | 7 163        | 10 211 6     |  |

**PRE-CAST RECTANGULAR CONCRETE INSPECTION CHAMBERS**

|  | Unit | Price                |
|--|------|----------------------|
| 18" x 24" chamber ring 1½" thick and 6" high, and setting and jointing in cement mortar                                      | No.  | <i>s. d.</i><br>8 11 |
| As above, but 9" high  | "    | 13 5                 |
| 18" x 24" invert blocks 8" effective depth complete with main channel and benching and setting and jointing in cement mortar | "    | 35 4                 |
| Extra for branch channels  | "    | 1 8                  |
| 18" x 24" top section 3" effective depth and setting and jointing in cement mortar   | "    | 7 9                  |
| 24" x 39" chamber rings 2" thick and 6" high and setting and jointing in cement mortar                                       | "    | 17 1                 |
| As above but 9" high   | "    | 25 3                 |
| As above but 12" high  | "    | 33 2                 |
| 24" x 39" invert blocks 9" effective depth complete with main channel and benching and setting and jointing in cement mortar | "    | 76 1                 |
| Extra for branch channels  | "    | 1 8                  |
| 24" x 39" section 3" effective depth to take 18" x 24" manhole cover and frame   | "    | 22 10                |

| Perforations for pipe in sides of shaft or chamber ..... | Unit | Diameter of pipe    |                     |                     |                     |                     |                     |
|--|------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|  |      | 4"                  | 6"                  | 9"                  | 12"                 | 15"                 | 18"                 |
|  | No.  | <i>s. d.</i><br>3 8 | <i>s. d.</i><br>3 8 | <i>s. d.</i><br>4 3 | <i>s. d.</i><br>5 9 | <i>s. d.</i><br>7 0 | <i>s. d.</i><br>9 0 |

ASPHALTER

ASPHALT (LIMESTONE AGGREGATE)

| Item  | Unit       | Price   |
|---|------------|---------|
|   |            | £ s. d. |
| <b>ASPHALT DAMP-PROOF COURSE AND TANKING</b>  |            |         |
| Mastic asphalt to B.S.1097 in:  |            |         |
| ½" vertical damp-proof course in two thicknesses on brick or concrete . . . . .   | Yd. super. | 0 18 4  |
| As above in narrow widths . . . . .   | Ft. super. | 0 2 7½  |
| ½" horizontal damp-proof course in one thickness on brick or concrete . . . . .   | Yd. super. | 0 11 7  |
| As above in narrow widths . . . . .   | Ft. super. | 0 1 10  |
| ½" horizontal damp-proof course in two thicknesses on brick or concrete . . . . .   | Yd. super. | 0 13 8  |
| As above in narrow widths . . . . .   | Ft. super. | 0 2 1   |
| Tanking in three thicknesses on brick or concrete:  |            |         |
| Vertical . . . . .  | Yd. super. | 1 2 0   |
| 1½" horizontal . . . . .  | "          | 0 19 6  |
| Labour rounded external angle . . . . .   | Ft. run    | 0 0 4½  |
| Extra labour and material in internal angle fillet, including angles, ends, etc. . . . .  | "          | 0 0 8½  |
| As above but in double internal angle fillet . . . . .  | "          | 0 1 3½  |
| <b>ASPHALT ROOFING</b>  |            |         |
| Mastic asphalt to B.S.988 in:   |            |         |
| ½" flat laid to falls on concrete in two thicknesses on and including felt underlay on prepared screed . . . . .  | Yd. super. | 0 15 0  |
| As above, in narrow widths . . . . .  | Ft. super. | 0 2 2   |
| As above, but on boarded flat . . . . .   | Yd. super. | 0 15 0  |
| As above, but on boarded flat, in narrow widths . . . . .   | Ft. super. | 0 2 1   |
| Labour dressing asphalt to lead . . . . .   | Ft. run    | 0 1 0½  |
| Labour warming up and jointing new to old asphalt flat . . . . .  | "          | 0 0 6½  |
| ½" skirting average 6" high with stout angle fillet at bottom and rounded or splayed edge at top turned into groove . . . . .   | "          | 0 2 1   |
| As above on and including expanded metal lathing . . . . .  | "          | 0 2 7½  |
| Angles to skirting:   |            |         |
| External . . . . .  | No.        | 0 0 3½  |
| Internal . . . . .  | "          | 0 0 6½  |
| Fair ends to above . . . . .  | "          | 0 0 3½  |
| ½" fascia 6" high with solid water check roll at top and undercut drip at bottom edge . . . . .   | Ft. super. | 0 2 10½ |
| ½" lining to parapet gutter and dressing up roof slope average 2" 0" girth on expanded metal lathing, including lathing, one angle fillet, one rounded angle and solid tilting fillet . . . . . | Ft. run    | 0 10 6  |
| Extra labour and material working ½" asphalt flat in channel:   |            |         |
| 6" girth . . . . .  | "          | 0 2 1   |
| 9" " . . . . .  | "          | 0 2 7½  |

*Asphalter***ASPHALT (LIMESTONE AGGREGATE)—continued**

| Item   | Unit      | Price   |
|--|-----------|---------|
| <b>ASPHALT ROOFING—continued</b>   |           | £ s. d. |
| Mastic asphalt to B.S.988 in:  |           |         |
| Labour dressing asphalt into metal flange of rainwater outlet . . . . .  | No.       | 0 3 8   |
| <i>Extra</i> labour and material dressing asphalt to bottom and sides of 9" × 6" outlet in 9" wall, including rounded angles and angle fillet and dressing to lead apron . . . . . | "         | 0 6 3½  |
| <i>Extra</i> labour and material forming collars around pipes, including angle fillets and rounded top edges   | "         | 0 3 2   |
| Small pipes  | "         | 0 5 3   |
| Large "  | "         |         |
| <b>ASPHALT FLOORING</b>  |           |         |
| Mastic asphalt to B S 1076, in.  | Yd.       |         |
| ¾" asphalt flooring laid on prepared screed . . . . .  | super.    | 0 12 1  |
| <i>As above</i> in narrow widths   | Ft super. | 0 1 10  |
| 1" asphalt flooring laid on prepared screed  | Yd super. | 0 15 9  |
| <i>As above</i> in narrow widths   | Ft super. | 0 2 1   |
| ¾" skirting 6" high with coved angle fillet at bottom and rounded or splayed edge at top turned into groove . . . . .  | Ft run    | 0 2 1   |
| Angles to skirting:  |           |         |
| External . . . . .   | No        | 0 0 3½  |
| Internal . . . . .   | "         | 0 0 6½  |
| Fair ends to above . . . . .   | "         | 0 0 3½  |

**ASPHALT (NATURAL ROCK)**

| Item  | Unit       | Price   |
|---|------------|---------|
| <b>ASPHALT DAMP-PROOF COURSE AND TANKING</b>  |            | £ s. d. |
| Mastic asphalt to B.S. 1418 in:   |            |         |
| ½' vertical damp-proof course in two thicknesses on brick or concrete . . . . .                 | Yd. super. | 1 2 1   |
| <i>As above</i> in narrow widths . . . . .  | Ft super.  | 0 3 2   |
| ½" horizontal damp-proof course in one thickness on brick or concrete . . . . .                 | Yd super.  | 0 14 2  |
| <i>As above</i> in narrow widths . . . . .  | Ft. super. | 0 2 1   |
| ½" horizontal damp-proof course in two thicknesses on brick or concrete . . . . .               | Yd. super. | 0 18 4½ |
| <i>As above</i> in narrow widths . . . . .  | Ft. super. | 0 2 2   |
| Tanking in three thicknesses on brick or concrete   | Yd.        |         |
| Vertical . . . . .  | super.     | 1 7 0   |
| 1½" horizontal . . . . .  | "          | 1 4 2   |
| Labour rounded external angle. . . . .  | Pt. run    | 0 0 4½  |
| <i>Extra</i> labour and material in internal angle fillet, including angles, ends, etc. . . . . | "          | 0 0 9½  |
| <i>As above</i> but in double internal angle fillet. . . . .                                    | "          | 0 1 7   |

**Asphalter**

**ASPHALT (NATURAL ROCK)—continued**

| Item   | Unit       | Price               |
|--|------------|---------------------|
|  |            | £ s. d              |
| <b>ASPHALT ROOFING</b>   |            |                     |
| Mastic asphalt to B.S.1162 in:   |            |                     |
| $\frac{3}{4}$ " flat laid to falls on concrete in two thicknesses on and including felt underlay on prepared screed . . . . .  | Yd super.  | 1 0 0               |
| <i>As above</i> , in narrow widths . . . . .   | Ft. super. | 0 2 8 $\frac{1}{2}$ |
| <i>As above</i> , but on boarded flat . . . . .  | Yd super.  | 1 0 0               |
| <i>As above</i> , but on boarded flat, in narrow widths . . . . .  | Ft. super. | 0 2 8 $\frac{1}{2}$ |
| Labour dressing asphalt to lead . . . . .  | Ft. run    | 0 1 0 $\frac{1}{2}$ |
| Labour warming up and jointing new to old asphalt flat . . . . .   | "          | 0 0 6 $\frac{1}{2}$ |
| $\frac{3}{4}$ " skirting average 6" high with stout angle fillet at bottom and rounded or splayed edge at top turned into groove . . . . .   | "          | 0 2 7 $\frac{1}{2}$ |
| <i>As above</i> on and including expanded metal lathing . . . . .  | "          | 0 3 2               |
| Angles to skirting:  |            |                     |
| External . . . . .   | No.        | 0 0 3 $\frac{1}{2}$ |
| Internal . . . . .   | "          | 0 0 6 $\frac{1}{2}$ |
| Fair ends to above . . . . .   | "          | 0 0 3 $\frac{1}{2}$ |
| $\frac{3}{4}$ " fascia 6" high with solid water check roll at top and undercut drip at bottom edge . . . . .   | Ft. super. | 0 3 8               |
| $\frac{3}{4}$ " lining to parapet gutter and dressing up roof slope average 2' 0" girth on expanded metal lathing, including lathing, one angle fillet, one rounded angle and solid tilting fillet . . . . . | Ft run     | 0 14 9              |
| <i>Extra</i> labour and material working $\frac{3}{4}$ " asphalt flat in channel:  |            |                     |
| 6" girth . . . . .   | "          | 0 2 7 $\frac{1}{2}$ |
| 9" " . . . . .   | "          | 0 3 2               |
| Labour dressing asphalt into metal flange of rainwater outlet . . . . .  | No.        | 0 3 8               |
| <i>Extra</i> labour and material dressing asphalt to bottom and sides of 9" 6" outlet in 9' wall, including rounded angles and angle fillet and dressing to lead apron . . . . .                             | "          | 0 7 4               |
| <i>Extra</i> labour and material forming collars around pipes, including angle fillets and rounded top edges:  |            |                     |
| Small pipes . . . . .  | "          | 0 5 3               |
| Large " . . . . .  | "          | 0 6 3               |
| <b>ASPHALT FLOORING</b>  |            |                     |
| Mastic asphalt to B.S.1410 in  |            |                     |
| $\frac{3}{4}$ " asphalt flooring laid on prepared screed . . . . .   | Yd super.  | 0 16 9              |
| <i>As above</i> in narrow widths . . . . .   | Ft. super. | 0 2 4 $\frac{1}{2}$ |
| 1" asphalt flooring laid on prepared screed . . . . .  | Yd. super. | 1 1 0               |
| <i>As above</i> in narrow widths . . . . .   | Ft. super. | 0 2 10              |
| $\frac{3}{4}$ " skirting 6" high with coved angle fillet at bottom and rounded or splayed edge at top turned into groove . . . . .   | Ft. run    | 0 2 7 $\frac{1}{2}$ |
| Angles to skirting:  |            |                     |
| External . . . . .   | No.        | 0 0 3 $\frac{1}{2}$ |
| Internal . . . . .   | "          | 0 0 6 $\frac{1}{2}$ |
| Fair ends to above . . . . .   | "          | 0 0 3 $\frac{1}{2}$ |



*Asphalter*

| Item   | Unit       | Black        |                 |
|--|------------|--------------|-----------------|
| <b>PITCHMASTIC FLOORING</b>  |            |              |                 |
| Pitchmastic flooring to B.S.1450, laid on prepared screed:                     |            | <i>s. d.</i> |                 |
| $\frac{1}{2}$ " thick  | Yd. super. | 10           | 6               |
| $\frac{1}{2}$ " " , in narrow widths   | Ft. super. | 1            | 8               |
| $\frac{3}{4}$ " " , in narrow widths   | Yd. super. | 12           | 5               |
| $\frac{3}{4}$ " " , in narrow widths   | Ft. super. | 1            | 9               |
| 1" " , in narrow widths  | Yd. super. | 13           | 3               |
| 1" " , in narrow widths  | Ft. super. | 1            | 11              |
| Skirting 6" high with cove at base and rounded or splayed top edge             | Ft. run    | 3            | 10              |
| Angles to skirting:  |            |              |                 |
| External   | No.        | 0            | 3 $\frac{1}{2}$ |
| Internal   | "          | 0            | 6 $\frac{1}{2}$ |
| Fair ends to above   | "          | 0            | 3 $\frac{1}{2}$ |
|  | Unit       | Brown        | Red             |
| Pitchmastic flooring to B.S.1375, laid on prepared screed:                     |            | <i>s. d.</i> |                 |
| $\frac{1}{2}$ " thick  | Yd. super. | 10           | 6               |
| $\frac{1}{2}$ " " , in narrow widths   | Ft. super. | 1            | 8               |
| $\frac{3}{4}$ " " , in narrow widths   | Yd. super. | 12           | 5               |
| $\frac{3}{4}$ " " , in narrow widths   | Ft. super. | 1            | 9               |
| 1" " , in narrow widths  | Yd. super. | 13           | 3               |
| 1" " , in narrow widths  | Ft. super. | 1            | 11              |
| Skirting 6" high with cove at base and rounded or splayed top edge             | Ft. run    | 3            | 10              |
| Angles to skirting:  |            |              |                 |
| External   | No.        | 0            | 3 $\frac{1}{2}$ |
| Internal   | "          | 0            | 6 $\frac{1}{2}$ |
| Fair ends to above   | "          | 0            | 3 $\frac{1}{2}$ |
| <b>COLOURED ASPHALT FLOORING</b>   |            |              |                 |
| $\frac{1}{2}$ " coloured asphalt flooring to B.S 1451, laid on prepared screed | Yd. super. | 17           | 7               |
| <i>As above</i> in narrow widths   | Ft. super  | 2            | 9               |
| Skirting 6" high with cove at base and rounded or splayed top edge             | Ft. run    | 3            | 10              |
| Angles to skirting:  |            |              |                 |
| External   | No.        | 0            | 6 $\frac{1}{2}$ |
| Internal   | "          | 0            | 3 $\frac{1}{2}$ |
| Fair ends to above   | "          | 0            | 6 $\frac{1}{2}$ |

**PAVIOR**

*For asphalt and pitchmastic pavings see "Asphalter".*

*For stone and marble pavings see "Mason".*

*For roads, paths, etc., see "External Works".*

| Item   | Unit       | Thickness  |           |           |           |
|--|------------|------------|-----------|-----------|-----------|
|  |            | ½"         | ¾"        | 1"        | 1½"       |
| <b>CEMENT SCREEDS AND PAVINGS (1:3)</b>  |            |            |           |           |           |
| Floated screed to receive pavings .  | Yd. super. | s. d. 2 1½ | s. d. 3 0 | s. d. 3 8 | s. d. 4 2 |
| <i>As above</i> in narrow widths or small quantities . . . . .   | Ft. super. | 0 3½       | 0 4½      | 0 5½      | 0 6       |
| Floated screed trowelled smooth to receive linoleum . . . . .  | Yd. super. | 2 5        | 3 3½      | 3 11½     | 4 5½      |
| <i>As above</i> in narrow widths or small quantities . . . . .   | Ft. super. | 0 4        | 0 5       | 0 6       | 0 6½      |
| Paving trowelled hard and smooth   | Yd. super. | 2 5½       | 3 4       | 4 0       | 4 6       |
| <i>Add to above</i> for cement screeds and pavings for:  |            |            |           |           |           |
| Laying to falls or slopes  | "          | 0 5        | 0 5       | 0 5       | 0 5       |
| Water-proofing with approved preparation, <i>average price</i> . . . . .   | "          | 0 6        | 0 10½     | 1 1½      | 1 5       |
| Surface hardening by three coats of silicate of soda . . . . .   | "          | 0 8½       | 0 8½      | 0 8½      | 0 8½      |
| Surface hardening by proprietary liquid hardeners added to mixing water, <i>average price</i> . . . . .          | "          | 0 4        | 0 5½      | 0 7½      | 0 9       |
| Surface hardening by powder hardeners added to mix, <i>average price</i> . . . . .                               | "          | 1 6        | 2 3       | 3 0       | 3 9       |
| Making good paving around pipes up to 4" diameter . . . . .  | No.        | 1 2½       | 1 2½      | 1 2½      | 1 2½      |
| Making good paving to outlets or gullies . . . . .   | "          | 2 1        | 2 1       | 2 1       | 2 1       |
| <b>GRANOLITHIC PAVING</b>  |            |            |           |           |           |
| Granolithic paving (1:2½) laid on concrete . . . . .   | Yd. super. | s. d. 4 6½ | s. d. 5 6 | s. d. 6 3 | s. d. 7 0 |
| <i>As above</i> in narrow widths or small quantities . . . . .   | Ft. super. | 0 7        | 0 8       | 0 9       | 0 10      |
| Granolithic paving (1:2½) to treads and risers of concrete stairs . . . . .                                      | "          | 0 10½      | 1 0       | 1 1       | 1 2½      |
| <i>Add to above</i> for:   |            |            |           |           |           |
| Laying immediately following the base concrete whilst the latter is green . . . . .                              | Yd. super. | 0 5½       | 0 5½      | 0 5½      | 0 5½      |
| Laying to falls or slopes . . . . .  | "          | 0 5        | 0 5       | 0 5       | 0 5       |
| Water-proofing with approved preparation, <i>average price</i> . . . . .   | "          | 1 0        | 1 4       | 1 6       | 1 9       |
| Surface hardening by three coats of silicate of soda . . . . .   | "          | 0 8½       | 0 8½      | 0 8½      | 0 8½      |
| Surface hardening by proprietary liquid hardeners added to mixing water, <i>average price</i> . . . . .          | "          | 0 5½       | 0 7½      | 0 9       | 0 11      |
| Surface hardening by powder hardeners added to mix, <i>average price</i> . . . . .                               | "          | 2 3        | 3 0       | 3 9       | 4 6       |
| Sprinkling surface with coarse carborundum substitute, 2 lb. per yd. super., and lightly trowelling in . . . . . | "          | 1 1        | 1 1       | 1 1       | 1 1       |

*Pavior*

| Item  | Unit       | Price   |
|---|------------|---------|
|   |            | £ s. d. |
| <b>GRANOLITHIC PAVING—continued</b>   |            |         |
| Labour, arris . . . . .   | Ft. run    | 0 0 3   |
| Labour, slightly rounded external angle . . . . .   | "          | 0 0 3½  |
| Coved internal angle, ½" radius . . . . .   | "          | 0 0 8   |
| ½" skirting 3" high with cove at bottom and fair edge and slightly rounded angle at top . . . . .                               | "          | 0 1 1   |
| Add to skirting for each additional 1" in height . . . . .  | "          | 0 0 1½  |
| Extra for external or internal angle . . . . .  | No.        | 0 1 1   |
| Extra for returned ends . . . . .   | "          | 0 1 1   |
| Making good paving up to sliding door track, etc. . . . .   | Ft. run    | 0 0 2   |
| Making good paving around pipes up to 4" diameter . . . . .   | No.        | 0 1 2½  |
| Making good paving to outlets or gullies . . . . .  | "          | 0 2 1   |
| <b>PATENT COMPOSITION FLOORING</b>  |            |         |
| Red composition flooring to B.S.776   |            |         |
| ½" thick and laying on prepared screed . . . . .  | Yd. super. | 0 17 4  |
| ½" thick and laying in two layers on wood sub-floor, including wire-netting reinforcement . . . . .                             | "          | 1 2 1   |
| Coved skirting  |            |         |
| 3" in height . . . . .  | Ft. run    | 0 1 7   |
| 6" " . . . . .  | "          | 0 2 1   |
| Extra for internal and external angles to skirtings not exceeding 6" high . . . . .   | No.        | 0 0 6½  |
| Extra for returned ends . . . . .   | "          | 0 0 6½  |
| Red, brown, or buff patent jointless flooring, ½" nominal thickness, and laying on prepared screed or other approved sub-floor: |            |         |
| Latex—cement grade . . . . .  | Yd. super. | 0 13 0  |
| Resin—cement grade . . . . .  | "          | 0 16 0  |
| <b>TERRAZZO PAVING</b>  |            |         |
| ½" terrazzo paving (portland cement and spar aggregate) and laying on prepared screed . . . . .                                 | Yd. super. | 1 3 1   |
| <i>Extra for:</i>   |            |         |
| White or cream cement . . . . .   | "          | 0 3 8   |
| Sprinkling surface with fine carborundum, 2 lb. per yd. super. . . . .  | "          | 0 3 8   |
| Ebonite strip ½" × 1½" and laying in paving in 3' 0" squares . . . . .  | "          | 0 3 8   |
| ½" terrazzo paving (white cement and spar aggregate) to treads and risers of stairs (average 12" tread and 6" riser) . . . . .  | Ft. run    | 0 12 7  |
| <i>Extra for:</i>   |            |         |
| Two-line carborundum inlay . . . . .  | "          | 0 3 2   |
| Plain rounded nosing . . . . .  | "          | 0 3 2   |
| ½" terrazzo paving (white cement and spar aggregate) to plain spandrel ends . . . . .   | No.        | 0 7 10½ |
| 6" skirting (Portland cement and spar aggregate) top edge rounded back to plaster . . . . .                                     | Ft. run    | 0 3 11  |
| 6" coved skirting, as above . . . . .   | "          | 0 5 0   |

**Pavior**

| Item   | Unit       | Price                |
|--|------------|----------------------|
| <b>RUBBER FLOORING (INCLUSIVE OF PURCHASE TAX WHERE APPLICABLE)</b>  |            |                      |
| Rubber flooring in all colours, and laying in rolls:   |            |                      |
| $\frac{1}{4}$ " thick .....  | Yd. super. | 1 16 9               |
| Rubber tile flooring, 12" x 12", in all colours, and laying:   |            |                      |
| $\frac{1}{4}$ " thick .....  | "          | 1 11 6               |
| $\frac{1}{2}$ " .....  | "          | 2 10 6               |
| Rubber flooring and laying:  |            |                      |
| 6" border:   |            |                      |
| $\frac{1}{4}$ " thick .....  | Ft. super. | 0 4 9                |
| $\frac{1}{2}$ " .....  | "          | 0 7 4                |
| To treads and risers of stairs:  |            |                      |
| $\frac{1}{4}$ " thick .....  | "          | 0 4 3                |
| $\frac{1}{2}$ " .....  | "          | 0 7 4                |
| Nosing to stairs (black, white, brown, or green):  |            |                      |
| 2 $\frac{1}{2}$ " wide .....   | Ft. run    | 0 2 7 $\frac{1}{2}$  |
| 3 $\frac{1}{2}$ " .....  | "          | 0 4 3                |
| <b>CORK FLOORING</b>   |            |                      |
| Cork tile flooring, 12" x 12" (light, medium or dark brown shades), fixing with mastic and including surfacing and polishing:              |            |                      |
| $\frac{3}{8}$ " thick .....  | Yd. super  | 1 16 3               |
| $\frac{1}{2}$ " .....  | "          | 1 19 5               |
| $\frac{3}{4}$ " .....  | "          | 2 3 7                |
| Coved skirting 4" high .....   | Ft. run    | 0 2 11               |
| <i>Extra for internal or external angle</i> .....  | No         | 0 1 0 $\frac{1}{2}$  |
| <b>LINOLEUM, ETC.</b>  |            |                      |
| "Corbulin" flooring laid complete .....  | Yd super   | 1 4 0                |
| Linoleum laid and fixed complete with mastic on to cement screeding or boards:   |            |                      |
| Plain brown:   |            |                      |
| $\frac{1}{8}$ " thick .....  | "          | 1 3 7                |
| $\frac{1}{4}$ " .....  | "          | 0 19 5               |
| $\frac{1}{2}$ " .....  | "          | 0 14 2               |
| Other colours:   |            |                      |
| $\frac{1}{8}$ " thick .....  | "          | 1 4 11               |
| $\frac{1}{4}$ " .....  | "          | 1 0 6                |
| $\frac{1}{2}$ " .....  | "          | 0 14 11              |
| <b>BRICK PAVING</b>  |            |                      |
| Hard stock bricks p.c. 194s. 0d. per 1000 and laying flat on prepared bed in cement mortar .....   | Yd. super. | 0 11 11              |
| <i>As above, but laid on edge</i> .....  | "          | 0 17 4 $\frac{1}{2}$ |
| 9" x 4 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ " blue paving bricks p.c. 49s. 6d. per 100 and laying flat on prepared bed in cement mortar ..... | "          | 1 3 8                |
| <i>Extra for laying to herringbone pattern:</i>  |            |                      |
| Stock bricks laid flat .....   | "          | 0 1 3 $\frac{1}{2}$  |
| " " on edge .....  | "          | 0 1 9                |
| Blue paving bricks laid flat .....   | "          | 0 2 1                |

**Pavior**

| Item  | Unit    | Price   |
|---|---------|---------|
|   |         | £ s. d. |
| <b>BRICK PAVING—continued</b>   |         |         |
| Raking cutting on:  |         |         |
| Stock bricks laid flat .....  | Ft run  | 0 0 2   |
| "    "    " on edge .....   | "       | 0 0 2½  |
| Blue paving bricks laid flat .....  | "       | 0 0 5½  |
| Circular cutting on:  |         |         |
| Stock bricks laid flat .....  | "       | 0 0 3   |
| "    "    " on edge .....   | "       | 0 0 4   |
| Blue paving bricks laid flat .....  | "       | 0 0 8   |
| <b>BRICK STEPS</b>  |         |         |
| Labour and material in brick-on-edge step in hard red brick, bedded and pointed in cement mortar: |         |         |
| 9" wide .....   | Ft run  | 0 2 4½  |
| Fair returned ends ..   | No      | 0 1 8   |
| 14" wide .....  | Ft run  | 0 3 10  |
| Fair returned ends ..   | No.     | 0 2 6   |
| <i>Add to above for bullnosed edge</i>  | Ft. run | 0 0 1½  |

|  | Unit       | ¾" Red quarry tile paving | ¾" Red quarry tile paving | ¾" Buff quarry tile paving | ¾" Red Tesselated tile paving |
|--|------------|---------------------------|---------------------------|----------------------------|-------------------------------|
|  |            | s. d.                     | s. d.                     | s. d.                      | s. d.                         |
| <b>TILE PAVING</b>   |            |                           |                           |                            |                               |
| 6" × 6" tile paving to B.S.1286 and laying on prepared screed with straight joints | Yd. super. | 21 9                      | 23 10                     | 26 6                       | 28 10                         |
| <i>As above</i> but in narrow widths or small quantities                           | Ft. super. | 2 8½                      | 2 11½                     | 3 3                        | 4 0                           |
| <i>As above</i> but on treads of stairs .....                                      | "          | 4 0                       | 4 3½                      | 4 7                        | 5 1                           |
| <i>As above</i> but to risers of stairs .....                                      | "          | 4 0                       | 4 3½                      | 4 7                        | 5 1                           |
| Raking cutting .....   | Ft. run    | 0 9½                      | 0 9½                      | 0 9½                       | 0 9½                          |
| Circular cutting .....   | "          | 1 4                       | 1 4                       | 1 4                        | 1 0½                          |
| Coved skirting, flush or rounded top edge:   |            |                           |                           |                            |                               |
| 3" high (tesselated 3½" high)  |            | 1 5                       | 1 5                       | 1 5                        | 2 0                           |
| Cut and fitted ends.....   | No.        | 1 7                       | 1 7                       | 1 7                        | 0 6½                          |
| <i>Extra for coved internal or external angle .....</i>                            | "          | 1 7                       | 1 7                       | 1 7                        | 0 6½                          |
| 6" high .....  | Ft. run    | 2 1                       | 2 1                       | 2 1                        | 3 5                           |
| Cut and fitted ends.....   | No.        | 1 7                       | 1 7                       | 1 7                        | 0 9½                          |
| <i>Extra for coved internal or external angle .....</i>                            | "          | 1 7                       | 1 7                       | 1 7                        | 0 9½                          |

**Pavior**

| Item   | Unit          | Price        |
|--|---------------|--------------|
|  |               | <i>s. d.</i> |
| <b>CONCRETE TILES</b>  |               |              |
| 2" "Noelite" paving and laying on prepared bed with $\frac{1}{2}$ " joints filled with sifted earth, in random sizes and mixed colours ..... | Yd.<br>super. | 15 1         |
| <b>STEEL PAVING</b>  |               |              |
| "Stelcon" 12" x 12" anchor steel plates laid complete .....  | "             | 33 6         |
| "Stelcon" 12" x 12" x 1 $\frac{1}{2}$ " steel clad flags laid complete .....   | "             | 28 6         |

## MASON

The following prices are for Portland stone. Separate prices have not been given in this edition for other kinds of stone owing to the difficulty of obtaining reliable information. Approximate prices can be obtained, however, by using the prices for Portland stone varied in accordance with the following table.

| Ancaster   | Bath       | Clipsham | Douling    | Weldon     |
|------------|------------|----------|------------|------------|
| Deduct 10% | Deduct 24% | Add 19%  | Deduct 12% | Deduct 24% |

| Item  | Unit      | Price        |
|---|-----------|--------------|
| <b>PORTLAND STONE AND ALL LABOURS</b>   |           | <i>s. d.</i> |
| Stone and all labours measured net and fixing inclusive of hoisting a height not exceeding 40' and setting in mortar with $\frac{1}{4}$ " joints:   |           |              |
| Pilasters plain dressed to face and returns . . . .   | Ft. cube  | 29 11        |
| Quoins plain dressed to face and returns . . . .  | "         | 30 9         |
| Caps and bases to pilasters plain dressed and moulded to face and two returns . . . . .   | "         | 33 1         |
| Jambs plain dressed to face and two returns and moulded on face . . . . .   | "         | 31 0         |
| Lintels, <i>as above</i> . . . . .  | "         | 33 1         |
| Springers plain dressed to face and intrados and sunk on one bed, circular to extrados and circular sunk on intrados . . . . .                      | "         | 35 5         |
| Voussoirs plain dressed to face and intrados and sunk on two beds, circular to extrados and circular sunk on intrados . . . . .                     | "         | 35 5         |
| Keystones plain dressed to face and soffit and two narrow returns sunk on two beds, and circular to extrados, and circular sunk on intrados . . . . | "         | 35 5         |
| Columns not exceeding 18" diameter, plain dressed and circular . . . . .  | "         | 33 1         |
| Cornices not exceeding 18" wide by 12" deep plain dressed to face and top and sunk on top and sunk and moulded on face . . . . .                    | "         | 34 4         |
| Ashlar average 6 $\frac{1}{2}$ " on bed with plain dressed face   | Ft. super | 17 8         |
| Add to last for circular work . . . . .   | "         | 3 10         |
| Extra for each additional inch in thickness . . . .   | "         | 2 2          |
| String course, 9" x 6", moulded and weathered, plain dressed on face and top . . . . .  | Ft. run   | 14 4         |
| Cornice 18" x 9", moulded and weathered, plain dressed on face and top . . . . .  | "         | 39 10        |
| Additional charge on last two items for circular work . . . . .   | "         | 11 0         |
| Mullions or transoms, 9" x 5", plain dressed all round four times moulded and twice rebated . . .   | "         | 14 4         |

**Mason**

| Item   | Unit       | Price        |      |      |
|--|------------|--------------|------|------|
|  |            | <i>s. d.</i> |      |      |
| <b>PORTLAND STONE SILLS</b>  |            |              |      |      |
| Plain dressed, sunk, weathered and throated sill grooved for water-bar and setting and jointing in cement mortar.                            |            |              |      |      |
| 4½" × 4" . . . . .   | Ft. run    | 6 7          |      |      |
| 9" × 3" . . . . .  | "          | 7 8          |      |      |
| 11" × 3" . . . . .   | "          | 8 3          |      |      |
| Stops for weathering and stooling for square jambs:  |            |              |      |      |
| 4½" × 4" . . . . .   | No.        | 1 5          |      |      |
| 9" × 3" . . . . .  | "          | 1 11         |      |      |
| 11" × 3" . . . . .   | "          | 2 2½         |      |      |
| <b>PORTLAND STONE COPINGS</b>  |            |              |      |      |
| Coping fair sawn or plain dressed, weathered, and twice throated and setting and jointing in cement mortar:                                  |            |              |      |      |
| 2" × 12" . . . . .   | Ft. run    | 7 3½         |      |      |
| 3" × 12" . . . . .   | "          | 10 6         |      |      |
| 4" × 12" . . . . .   | "          | 12 10½       |      |      |
| Saddle-back coping twice throated and setting and jointing in cement mortar:   |            |              |      |      |
| 3" (maximum) × 12" . . . . .   | "          | 12 1         |      |      |
| 5" " × 12" . . . . .   | "          | 16 6         |      |      |
| 6" " × 12" . . . . .   | "          | 19 3         |      |      |
| <i>Extra for external angle-stone to:</i>  |            |              |      |      |
| 3" weathered coping . . . . .  | No.        | 4 6          |      |      |
| 5" saddle-back coping . . . . .  | "          | 7 2          |      |      |
| <b>PORTLAND STONE STEPS AND LANDINGS</b>   |            |              |      |      |
| Steps, thresholds or door sills (square or rectangular) plain dressed on tread and riser and setting and jointing in cement mortar . . . . . |            |              |      |      |
|  | Ft. cube   | 35 5         |      |      |
| <i>As above</i> but in spandrel steps . . . . .  | "          | 44 1         |      |      |
| <i>As above</i> but in spandrel winders . . . . .  | "          | 49 7         |      |      |
| Rebated or splayed back joints . . . . .   | Ft. run    | 1 8          |      |      |
| Sunk and moulded edge up to 6" girth . . . . .   | "          | 2 9          |      |      |
| Rounded corners to steps or sills . . . . .  | No.        | 2 9          |      |      |
| Rounded ends to steps or sills . . . . .   | "          | 2 9          |      |      |
| 2" landing, hearth or cover stone sawn or self-faced and setting and jointing in cement mortar . . . . .                                     | Ft. super. | 6 8          |      |      |
| <i>Extra for plain dressed face.</i> . . . . .   | "          | 0 3½         |      |      |
| <b>TEMPLATES</b>   |            |              |      |      |
| Hard York stone tooled templates with coped edges and building-in:   |            |              |      |      |
| 9" × 9" . . . . .  | No.        | 3 4          | 4 6  | 6 10 |
| 13½" × 9" . . . . .  | "          | 5 2          | 7 7  | 10 4 |
| 18" × 12" . . . . .  | "          | 11 3         | 14 4 | 16 1 |



**Mason**

| Item  | Unit       | Price |
|---|------------|-------|
| <i>s. d.</i>  |            |       |
| <b>SUNDRIES (PORTLAND STONE)</b>  |            |       |
| Mortices for balusters, dowels, lewis, or rag bolts, etc., 2" x 2" x 2", and running with cement . . . . .  | No.        | 2 2½  |
| <i>As above</i> , but running with lead . . . . .   | "          | 2 9   |
| Cramps not exceeding 9" long and letting in and running with cement . . . . .   | "          | 8 3   |
| Perforations in stone, square or circular not exceeding 1' 0" super. <i>per inch in depth</i> . . . . .   | "          | 5 6   |
| Drilling hole through stone for pipe 1" diameter or under, <i>per inch in depth</i> . . . . .   | "          | 0 3½  |
| <br><b>RECONSTRUCTED STONE AND ARTIFICIAL STONE</b>   |            |       |
| Its specification apart, the cost of reconstructed stone is influenced largely by the amount of repetition involved. It can easily prove more expensive than natural stone and for this reason it is considered impracticable to give detailed examples here. |            |       |
| <i>White Artificial Stone to B.S.1217:</i>  |            |       |
| Sill, plain dressed, sunk, weathered, throated, and grooved for water-bar and setting and jointing in cement mortar:  |            |       |
| 4½" x 4" . . . . .  | Ft. run    | 3 4   |
| 9" x 3" . . . . .   | "          | 4 9   |
| 11" x 3" . . . . .  | "          | 6 0½  |
| Steps for weathering and stoolings for square jambs   |            |       |
| 4½" x 4" . . . . .  | No.        | —     |
| 9" x 3" . . . . .   | "          | —     |
| 11" x 3" . . . . .  | "          | —     |
| Coping weathered and twice throated and setting and jointing in cement mortar:  |            |       |
| 2" x 12" . . . . .  | Ft. run    | 4 4½  |
| 3" x 12" . . . . .  | "          | 6 5   |
| 4" x 12" . . . . .  | "          | 8 2   |
| <i>Extra for external angle-stone to 3" coping.</i> . . . .   | No.        | 3 10  |
| Saddle-back coping twice throated and setting and jointing in cement mortar:  |            |       |
| 3" (maximum) x 12" . . . . .  | Ft. run    | 6 5   |
| 5" " x 12" . . . . .  | "          | 10 3  |
| 6" " x 12" . . . . .  | "          | 11 8½ |
| <i>Extra for external angle-stone to 5" saddle-back coping</i> . . . . .  | No.        | 5 6   |
| <i>Add to above for circular work</i> . . . . .   | Ft. run    | 2 9   |
| Steps, thresholds or door sills (square or rectangular) and setting and jointing in cement mortar . . . . .   | Ft. cube   | 20 1½ |
| <i>As above</i> but in spandrel steps . . . . .   | "          | 21 9½ |
| <i>As above</i> but in spandrel winders . . . . .   | "          | 24 6½ |
| Rebated or splayed back joints . . . . .  | Ft. run    | 1 1   |
| Sunk and moulded edges up to 6" girth . . . . .   | "          | 1 8   |
| Rounded corners to steps or sills . . . . .   | No.        | 3 0½  |
| " ends to steps or sills . . . . .  | "          | 3 0½  |
| 2" landing, hearth or cover stone and setting and jointing in cement mortar . . . . .   | Ft. super. | 3 6½  |
| <i>Extra for each additional inch in thickness</i> . . . . .  | "          | 1 9   |



## ROOFER

| Item  | Unit      | Welsh slates |           |           |          |
|---|-----------|--------------|-----------|-----------|----------|
|   |           | 20" × 10"    | 16" × 10" | 12" × 10" | 12" × 6" |
| <b>WELSH SLATING</b>  |           |              |           |           |          |
| Slates to B.S.680, laying with a 3" lap, each slate nailed with two stout copper nails . . . . .                      | Square    | 280 0        | 246 5     | 229 7     | 207 2    |
| <i>As above</i> but to mansard slope . . . . .  | "         | 288 5        | 254 9     | 240 9     | 218 3    |
| <i>As above</i> but hanging vertically to dormer cheeks, gables, etc. . . . .   | "         | 288 5        | 254 9     | 240 9     | 218 3    |
| Cutting at:   |           |              |           |           |          |
| Top edge . . . . .  | Ft. run   | 1 5          | 1 3       | 1 2       | 1 1      |
| Square abutments . . . . .  | "         | 1 5          | 1 3       | 1 2       | 1 1      |
| <i>Extra for:</i>   |           |              |           |           |          |
| Double course at eaves . . . . .  | "         | 2 9½         | 2 6       | 2 4       | 2 2      |
| Double course to falls, including cutting and waste . . . . .   | "         | 4 2½         | 3 9       | 3 5½      | 3 1½     |
| Raking cutting to valleys and hips (both sides measured) . . . . .  | "         | 2 1          | 1 10½     | 1 9       | 1 7      |
| <i>Extra for</i> laced valley with slate-and-half, including bonding-in with ordinary slating . . . . .               | "         | 11 2½        | 11 2½     | 8 11½     | 8 11½    |
| <i>Extra for</i> swept valley including bonding-in with ordinary slating . . . . .                                    | "         | 17 11        | 17 11     | 17 11     | 17 11    |
| <i>Extra to</i> close-cut and mitred hips including cutting on both sides . . . . .                                   | "         | 6 5          | 6 0       | 5 8½      | 5 4      |
| Plain red terracotta ridge or hip tiles with 6" wings butt-jointed and pointing with cement . . . . .                 | "         | 2 3          | 2 3       | 2 3       | 2 3      |
| 2" slate ridge or hip roll with two 6" wings fixed with brass screws and bedding and pointing in oil cement . . . . . | "         | 9 6          | 9 6       | 9 6       | 9 6      |
| Mitreing intersection of tile ridge . . . . .   | Per mitre | 1 1½         | 1 1½      | 1 1½      | 1 1½     |
| Cutting and mitreing intersection of tile ridge and two hips . . . . .  | No.       | 3 4          | 3 4       | 3 4       | 3 4      |
| Mitreing intersection of slate ridge . . . . .  | Per mitre | 2 3          | 2 3       | 2 3       | 2 3      |
| Cutting and mitreing intersection of slate ridge and two hips . . . . .   | No.       | 6 9          | 6 9       | 6 9       | 6 9      |
| Cutting and fitting slating around pipe:  |           |              |           |           |          |
| Small . . . . .   | "         | 1 8          | 1 8       | 2 3       | 2 3      |
| Large . . . . .   | "         | 2 9½         | 2 9½      | 3 4½      | 3 4½     |
| 1" × ½" wrought iron hip hook, 14" scroll, with end bent and screwed to rafter for a length of 9" . . . . .           | "         | 2 9½         | 2 9½      | 2 9½      | 2 9½     |
| Lead soakers, fixing only . . . . .   | Dozen     | 1 1½         | 1 1½      | 1 1½      | 1 1½     |

**Roofer**

| Item  | Unit      | Price   |
|---|-----------|---------|
| <b>WESTMORLAND RANDOM GREEN SLATING</b>   |           | £ s. d. |
| Westmorland green slates of random sizes, lengths 26"-12", and laying with a 3" lap in diminished courses, each slate nailed with two stout copper nails to battens . . . . | Square    | 15 9 9  |
| <i>As above</i> but to mansard slope . . . . .  | "         | 16 5 6  |
| <i>As above</i> but hanging vertically to dormer cheeks, gables, etc. . . . .   | "         | 16 5 6  |
| Cutting at:   |           |         |
| Top edge . . . . .  | Ft. run   | 0 2 7½  |
| Square abutments . . . . .  | "         | 0 2 7½  |
| <i>Extra for double course:</i>   |           |         |
| At eaves . . . . .  | "         | 0 5 0   |
| To falls, including cutting and waste. . . .  | "         | 0 6 10  |
| Raking cutting to valleys and hips (both sides measured) . . . . .  | "         | 0 3 8   |
| <i>Extra for:</i>   |           |         |
| Laced valley, including bonding-in . . . .  | "         | 0 8 11  |
| Swept valley, including bonding-in . . . .  | "         | 0 17 4  |
| <i>Extra</i> to close-cut and mitred hips, including cutting on both sides . . . . .  | "         | 0 10 0  |
| Plain blue slate ridge with 6" wings butt-jointed and pointing with cement . . . . .  | "         | 0 9 6   |
| <i>Extra for glass slates and bonding-in with slating</i> . . . . .   | No.       | 0 11 3  |
| Cutting and fitting slating around pipe:  |           |         |
| Small . . . . .   | "         | 0 2 9   |
| Large . . . . .   | "         | 0 3 4   |
| 1" x ¼" wrought iron hip hook 14" scroll with end bent and screwed to rafter for a length of 9"   | "         | 0 3 4   |
| Lead soakers, fixing only . . . . .   | Dozen     | 0 1 1½  |
| Mitreing intersection of slate ridge . . . . .  | Per mitre | 0 2 3   |

| Unit  | Broseley or Staffordshire machine-made tiles to B.S.402 | Broseley or Staffordshire sand-faced machine-made tiles to B.S.402 | Best hand-made sand-faced tiles to B.S.402 | Concrete tiles to B.S.473 |
|---|---|--|--|---------------------------|
|   | s. d.   | s. d.  | s. d.                                      | s. d.                     |
| <b>TILING. PLAIN TILES</b>  |   |  |  |                           |
| Tiling with 10½" x 6½" tiles as described, with ribs and nail holes and laying to a 4" gauge with each tile in every fourth course nailed with two stout galvanized nails . . . . . | Square  | 117 7 1  | 123 3                                      | 117 5 95 3                |

**Roofer**

| Item  | Unit    | Broseley<br>or<br>Stafford-<br>shire<br>machine-<br>made<br>tiles<br>to<br>B.S.402 | Broseley<br>or<br>Stafford-<br>shire<br>sand-<br>faced<br>machine-<br>made<br>tiles<br>to<br>B.S.402 | Best<br>hand-<br>made<br>sand-<br>faced<br>tiles<br>to<br>B.S.402 | Con-<br>crete<br>tiles<br>to<br>B.S.473 |
|---|---------|--|--|---|---|
|   |         | <i>s. d.</i>   | <i>s. d.</i>   | <i>s. d.</i>  | <i>s. d.</i>                            |
| <b>TILING. PLAIN<br/>TILES—continued</b>  |         |  |  |   |   |
| <i>As before</i> but to mansard slopes with each tile nailed with two stout galvanized nails . . . .                                    | Square  | 134 5  | 140 0  | 151 3   | 112 0                                   |
| <i>As before</i> but hanging vertically as tile weathering to a 4½" gauge with each tile nailed with two stout galvanized nails . . . . | "       | 134 5  | 140 0  | 151 3   | 112 0                                   |
| Cutting on tiling at:   |         |  |  |   |   |
| Top edge . . . . .  | Ft. run | 0 7½   | 0 7½   | 0 8   | 0 6                                     |
| Square abutments . .  | "       | 0 7½   | 0 7½   | 0 8   | 0 6                                     |
| Raking cutting next hips (both sides measured) . . . . .  | "       | 0 11   | 0 11   | 1 0   | 0 9                                     |
| <i>Extra for:</i>   |         |  |  |   |   |
| Double course at eaves . . . . .  | "       | 1 2  | 0 10   | 0 11  | 0 8                                     |
| Double course to falls, including cutting . . . . .   | "       | 1 4½   | 1 5  | 1 7   | 1 1½                                    |
| <i>Extra for fair verge, including tile-and-a-half plain tile undercloak and pointing in cement . . . . .</i>                           | "       | 1 9  | 1 9  | 1 9½  | 1 7                                     |
| <i>Extra for Winchester cutting to raking abutment on vertical tiling . . . . .</i>   | "       | 1 8  | 1 9  | 1 10  | 1 5                                     |
| <i>Extra on vertical tiling for angle-tile, including cutting and bonding on both sides . . . . .</i>                                   | "       | 6 6  | 6 7  | 6 9   | 5 7                                     |
| <i>Extra to valley tiles to suit pitch of roof, including cutting and bonding on both sides . . . . .</i>                               | "       | 5 7½   | 5 9  | 5 11½   | 4 10                                    |

*Roofer*

| Item  | Unit      | Broseley or Staffordshire machine-made tiles to B.S.402 | Broseley or Staffordshire sand-faced machine-made tiles to B.S.402 | Best hand-made sand-faced tiles to B.S.402 | Concrete tiles to B.S.473 |
|---|-----------|---|--|--|---------------------------|
|   |           | <i>s. d.</i>  | <i>s. d.</i>   | <i>s. d.</i>                               | <i>s. d.</i>              |
| <b>TILING. PLAIN TILES—continued</b>  |           |   |  |  |                           |
| <i>Extra for laced valley with tile-and-a-half, including bonding-in with ordinary tiling</i> .....         | Ft. run   | 5 0½  | 5 0½   | 5 7½                                       | 4 6                       |
| <i>Extra for swept valley, including bonding-in with ordinary tiling</i> .....                              | "         | 8 5   | 8 5  | 8 11½                                      | 7 10                      |
| Half-round ridge tile to match tiling and bedding in lime and hair mortar and pointing in cement .....      | "         | 2 3   | 2 3  | 2 3  | 2 3                       |
| Saddle-back ridge tiles as above .....  | "         | 2 3   | 2 3  | 2 3  | 2 3                       |
| <i>Extra for bonnet hip tiles to suit pitch of roof, including cutting and bonding on both sides</i> ..     | "         | 6 3   | 6 4  | 6 6  | 5 4                       |
| Cutting and fitting ends to ridge .....   | No.       | 1 1½  | 1 1½   | 1 1½                                       | 1 1½                      |
| Mitreing intersection of ridge .....  | Per mitre | 1 1½  | 1 1½   | 1 1½                                       | 1 1½                      |
| Cutting and mitreing intersection of ridge and two hips .....   | No.       | 3 4   | 3 4  | 3 4  | 3 4                       |
| Fair ends, filling in solid with gauged mortar and small pieces of tile and pointing in cement mortar ..... | "         | 1 1½  | 1 1½   | 1 1½                                       | 1 1½                      |
| <i>Extra for glass tiles and bonding - in with tiling</i> .....   | "         | 3 4   | 3 4  | 3 4  | 3 4                       |
| Cutting and fitting tiling around pipes:  |           |   |  |  |                           |
| Small .....   | "         | 1 8   | 1 8  | 1 8  | 1 8                       |
| Large .....   | "         | 2 9½  | 2 9½   | 2 9½                                       | 2 9½                      |
| 1" x ½" wrought-iron hip hook, 14" scroll with end bent and screwed to rafter for a length of 9" .....      | "         | 2 9½  | 2 9½   | 2 9½                                       | 2 9½                      |
| Lead soakers, fixing only .....   | Dozen     | 1 1½  | 1 1½   | 1 1½                                       | 1 1½                      |

## Roofer

| Item                                   | Unit    | Red plain<br>Yorkshire<br>pantiles, size<br>13½" × 9½",<br>with nibs<br>and nail<br>holes and<br>laid to 3"<br>head and<br>1½" side laps,<br>and each<br>tile in<br>every course<br>nailed with<br>a stout gal-<br>vanized nail | Berkshire<br>hand-made<br>sand-faced<br>red pantiles,<br>14½" × 10",<br>with nibs and<br>nail holes<br>and laid to<br>2½" head and<br>1½" side laps,<br>and each<br>tile in every<br>third course<br>nailed with<br>a stout gal-<br>vanized nail |
|--|---------|---|--|
| <b>TILING. PANTILES</b>                |         |   |  |
| <i>s. d.</i>                           |         |   |  |
| Pantiles and laying as described..     | Square  | 132 6   | 136 0  |
| <i>As above</i> but to mansard slopes. | ..      | 137 6   | 141 0  |
| Cutting at:                            |         |   |  |
| Top edge .....                         | Ft. run | 0 9½  | 0 9½   |
| Square abutment .....                  | ..      | 0 9½  | 0 9½   |
| Raking cutting to hips (both sides     |         |   |  |
| measured)                              | ..      | 1 0½  | 1 0½   |
| <i>Extra for fair verge plain tile</i> |         |   |  |
| <i>undercourse and bedding and</i>     |         |   |  |
| <i>pointing in cement mortar</i>       | ..      | 1 10  | 1 10   |
| Raking cutting to valleys, in-         |         |   |  |
| cluding plain tile or slate            |         |   |  |
| undercourse bedded in lime             |         |   |  |
| and hair mortar and pointed            |         |   |  |
| in cement with the hollow of           |         |   |  |
| the tiles filled in solid with         |         |   |  |
| cement mortar .....                    | ..      | 2 1½  | 2 1½   |
| <i>Extra to eaves course with and</i>  |         |   |  |
| <i>including plain tile under-</i>     |         |   |  |
| <i>course bedded and pointed in</i>    |         |   |  |
| <i>cement mortar and each plain</i>    |         |   |  |
| <i>tile nailed with two stout gal-</i> |         |   |  |
| <i>vanized nails .....</i>             | ..      | 0 10½   | 0 10½  |
| Half-round ridge and hip tiles         |         |   |  |
| and bedding solid in cement            |         |   |  |
| mortar and pointing with the           |         |   |  |
| hollow filled in solid on each         |         |   |  |
| side with tile strips bedded in        |         |   |  |
| cement mortar .....                    | ..      | 2 10½   | 2 10½  |
| Cutting and fitting ends of ridge .    | No.     | 1 1½  | 1 1½   |
| Cutting and mitreing intersection      |         |   |  |
| of ridge .....                         | ..      | 1 1½  | 1 1½   |
| Cutting and mitreing intersection      |         |   |  |
| of ridge and two hips .....            | ..      | 3 4   | 3 4  |
| <i>Extra for glass tiles and bond-</i> |         |   |  |
| <i>ing-in with tiling. ....</i>        | ..      | 11 2½   | 11 2½  |
| Cutting and fitting tiling around      |         |   |  |
| pipe:                                  |         |   |  |
| Small .....                            | ..      | 1 8   | 1 8  |
| Large .....                            | ..      | 2 9½  | 2 9½   |
| 1" × ½" wrought-iron hip hook, 14"     |         |   |  |
| scroll with end bent and screwed       |         |   |  |
| to rafter for a length of 9' . . .     | ..      | 2 9½  | 2 9½   |

**Roofer**

| Item   | Unit    | Interlocking tiles, with nibs and nail holes, laid to a 3" lap  |   |  |
|--|---------|---|---|--|
|  |         | Double Roman red sand-faced tiles, 16½" x 14" to B.S 1424, each tile in every course nailed with two stout galvanized nails | Each tile in every third course nailed with a stout galvanized nail | Concrete patent tiles, 15" x 9" to B.S.550 |
|  |         | s. d.   | s. d.   | s. d.                                      |
| <b>TILING. INTER-LOCKING TILES</b>   |         |   |   |  |
| Pantiles and laying as described . . . . .   | Square  | 106 5   | 100 10  | 89 7                                       |
| As above but to mansard slopes . . . . .   | "       | 117 7   | 112 0   | 100 10                                     |
| Cutting at:  |         |   |   |  |
| Top edge . . . . .   | Ft. run | 0 7   | 0 7   | 0 7  |
| Square abutment . . . . .  | "       | 0 7   | 0 7   | 0 7  |
| Raking cutting to hips (both sides measured)   | "       | 0 10  | 0 10  | 0 10                                       |
| Extra for fair verge plain tile undercourse and bedding and pointing in cement mortar . . . . .  | "       | 1 8   | 1 8   | 1 8  |
| Raking cutting to valleys including plain tile or slate undercourse bedded in lime and hair mortar and pointed in cement with the hollow of the tiles filled in solid with cement mortar . . . . . | "       | 1 11½   | 1 11½   | 1 11½                                      |
| Extra to eaves course with and including plain tile undercourse bedded and pointed in cement mortar and each plain tile nailed with two stout galvanized nails. . . . .                            | "       | 0 9   | 0 9   | 0 9  |
| Half-round ridge and hip tiles and bedding solid in cement mortar and pointing with the hollow filled in solid on each side with tile strips bedded in cement mortar . . . . .                     | "       | 2 9½  | 2 9½  | 2 9½                                       |



*Roofer*

| Item  | Unit | Interlocking tiles, with nibs and nail holes, laid to a 3" lap  |   |  |
|---|------|---|---|--|
|   |      | Double Roman red sand-faced tiles, 16½" x 14" to B.S.1424, each tile in every course nailed with two stout galvanized nails | Each tile in every third course nailed with a stout galvanized nail |  |
|   |      |   | Red flat interlocking tiles, 15½" x 8" to B.S.1424                  | Concrete patent tiles, 15" x 9" to B.S.550 |
|   |      | <i>s. d.</i>  | <i>s. d.</i>  | <i>s. d.</i>                               |
| <b>TILING. INTER-LOCKING TILES</b>  |      |   |   |  |
| <i>—continued</i>   |      |   |   |  |
| Cutting and fitting ends of ridge . . . . .   | No.  | 1 1½  | 1 1½  | 1 1½                                       |
| Cutting and mitreing intersection of ridge . . . . .  | "    | 1 1½  | 1 1½  | 1 1½                                       |
| Cutting and mitreing intersection of ridge and two hips . . . . .                                 | "    | 3 4   | 3 4   | 3 4  |
| <i>Extra for glass tiles and bonding-in with tiling</i>   | "    | 11 2½   | 11 2½   | 11 2½                                      |
| Cutting and fitting tiling around pipe:   |      |   |   |  |
| Small . . . . .   | "    | 1 8   | 1 8   | 1 8  |
| Large . . . . .   | "    | 2 9½  | 2 9½  | 2 9½                                       |
| 1" x ½" wrought-iron hip hook, 14" scroll with end bent and screwed to rafter for a length of 9". | "    | 2 9½  | 2 9½  | 2 9½                                       |

**Roofer**

| Item   | Unit   | Roof slopes  | Mansard slopes | Vertical hanging |
|--|--------|--------------|----------------|------------------|
| <b>BATTENING AND FELTING</b>   |        |              |                |                  |
| Slate or tile battens 1½" × ¼" and nailing to fixings as described, including all cuttings, for: |        | <i>s. d.</i> | <i>s. d.</i>   | <i>s. d.</i>     |
| Slating 20" × 10" laid to 8½" gauge (3" lap) . . . . .   | Square | 24 3         | 29 3           | 29 3             |
| Slating 16" × 10" laid to 6½" gauge (3" lap) . . . . .   | "      | 30 0         | 35 0           | 35 0             |
| Slating 12" × 10" laid to 4½" gauge (3" lap) . . . . .   | "      | 43 9         | 48 9           | 48 9             |
| Slating 12" × 6" laid to 4½" gauge (3" lap) . . . . .  | "      | 43 9         | 48 9           | 48 9             |
| Plain tiling 10½" × 6½" laid to 4½" gauge (3" lap) . . . . .                                     | "      | 43 9         | 48 3           | 48 3             |
| Plain tiling 10½" × 6½" laid to 4" gauge (3" lap) . . . . .                                      | "      | 46 3         | 50 9           | 50 9             |
| Normal roll pan tiling 13½" × 9½" laid to a 3" head lap . . . . .                                | "      | 20 0         | 23 6           | 23 6             |
| Double Roman pan tiling 16½" × 14" laid to a 3" head lap . . . . .                               | "      | 17 6         | 19 9           | 19 9             |
| Berkshire hand-made pantiles laid to a 12" gauge . . . . .                                       | "      | 18 6         | 21 9           | 21 9             |
| Concrete tiles, 15" × 9", laid to a 12" gauge . . . . .  | "      | 17 11        | 20 2           | 20 2             |
| Flat interlocking clay tiles, laid to a 12½" gauge . . . . .                                     | "      | 16 3         | 18 6           | 18 6             |

No. 1 inodorous sarking felt weighing 50 lb. per roll and laying with 3" laps and nailing to rafters at 18" centres with galvanized iron clout nails. (Measured net—no allowance for laps) . . . . .

| Unit       | Price                  |
|------------|------------------------|
| Yd. super. | £ <i>s. d.</i><br>2 4½ |

**SHINGLING**

Cedarwood shingles:

Canadian cedarwood shingles laid to a 5" gauge, each shingle nailed with two galvanized nails . . . . .

Raking cutting . . . . .

Cutting to:

Top edge . . . . .

Square abutments . . . . .

Hips and valleys . . . . .

*Extra for:*

Double course at eaves . . . . .

Forming verges . . . . .

Forming ridge and hip capping . . . . .

Fitted ends to ridge . . . . .

Fitted fair ends to ridge . . . . .

Fitted three-way intersection of ridge and two hips . . . . .

Cutting and fitting shingling around pipe . . . . .

Lead soakers, fixing only . . . . .

|         |         |
|---------|---------|
| Square  | 5 18 3  |
| Ft. run | 0 0 7½  |
| "       | 0 0 7½  |
| "       | 0 0 7½  |
| "       | 0 0 10½ |
| "       | 0 0 7   |
| "       | 0 0 10½ |
| "       | 0 1 5   |
| No.     | 0 2 1½  |
| "       | 0 2 1½  |
| "       | 0 2 4½  |
| "       | 0 2 7½  |
| Dozen   | 0 2 1½  |

*Roofer*

| Item   | Unit    | Russet |    |     | Grey |    |     |
|--|---------|--------|----|-----|------|----|-----|
|  |         | £      | s. | d.  | £    | s. | d.  |
| <b>ASBESTOS CEMENT SHEETING</b>  |         |        |    |     |      |    |     |
| Approved corrugated asbestos cement roofing similar to "Big Six" or "Trafford Tiles" sheeting, and fixing securely to timber framing with galvanized drive screws and washers as required, in conformity with the maker's instructions, and a side-lap of one and a half corrugations and an end lap of 6" | Square  | 4      | 5  | 8   | 3    | 9  | 8   |
| <i>As above</i> but fixing vertically  | "       | 4      | 12 | 4   | 3    | 16 | 4   |
| <i>Add to the above two items for fixing to steel angle-iron purlins with galvanized hook-bolts</i>  | "       | 0      | 2  | 8½  | 0    | 2  | 8½  |
| Raking cutting   | Ft. run | 0      | 1  | 1   | 0    | 1  | 1   |
| Circular cutting   | "       | 0      | 1  | 1   | 0    | 1  | 1   |
| Eaves filler piece   | "       | 0      | 1  | 6½  | 0    | 1  | 3½  |
| Eaves filler and flashing piece  | "       | —      | —  | —   | —    | —  | —   |
| Two-piece adjustable close-fitting ridge capping   | "       | 0      | 2  | 10½ | 0    | 2  | 6½  |
| <i>As above</i> , ventilating type   | "       | 0      | 3  | 6½  | 0    | 3  | 1½  |
| Two-piece adjustable north light ridge capping with one corrugated and one plain wing  | "       | 0      | 2  | 10½ | 0    | 2  | 6½  |
| Ridge finials  | No.     | 0      | 7  | 6½  | 0    | 5  | 10½ |
| Two-piece adjustable hip capping and scribing and notching to fit over corrugations  | Ft. run | 0      | 3  | 5½  | 0    | 2  | 11  |
| Cutting and mitreing intersection of ridge and two hips  | No.     | —      | —  | —   | —    | —  | —   |
| Apron flashing piece   | Ft. run | 0      | 1  | 6   | 0    | 1  | 3   |
| Flashing piece for bottom of glazing   | "       | 0      | 1  | 7   | 0    | 1  | 4   |
| Horizontal flashing piece  | "       | 0      | 1  | 6   | 0    | 1  | 3   |
| <i>Extra for ventilator sheet, including trimming edge of sheet</i>  | No.     | 1      | 8  | 10½ | 1    | 0  | 4   |
| <i>As above</i> but dormer ventilator sheet  | "       | 4      | 7  | 4   | 3    | 16 | 1½  |
| <i>As above</i> but opening type roof light sheet  | "       | 7      | 9  | 10½ | 7    | 4  | 7½  |
| <i>As above</i> but dead type  | "       | 2      | 1  | 9   | 1    | 16 | 6   |
| Cover pieces at angles of vertical sheeting  | Ft. run | 0      | 1  | 11½ | 0    | 1  | 7½  |
| Barge boards   | "       | 0      | 1  | 11½ | 0    | 1  | 7½  |

**Roofer**

| Item  | Unit            | Price          |
|---|-----------------|----------------|
| <i>s. d.</i>  |                 |                |
| <b>BITUMINOUS FELT ROOFING</b>  |                 |                |
| Bitumen felt to B.S.989 as follows, including all cutting and sealing laps with bitumen. (Measured net, with no allowance for laps):  |                 |                |
| Single layer of 2-ply self-finished bitumen felt and nailing to slopes and sides of roof boarding. . . . .  | Yd. super       | 4 3            |
| 1-ply bitumen felt and laying on boarded flats, the first layer nailed to boarding, subsequent layers continuously sealed to the preceding layer with hot bitumen:  |                 |                |
| 2 layers 60 lb. . . . .   | ..              | 6 3            |
| 3 layers 50 lb. . . . .   | ..              | 8 5            |
| 1-ply bitumen felt and laying on concrete, the first layer continuously bonded to the concrete and subsequent layers to the preceding one with hot bitumen:   |                 |                |
| 2 layers 60 lb. . . . .   | ..              | 6 10           |
| 3 layers 50 lb. . . . .   | ..              | 8 11           |
| <i>Extra labour and materials in:</i>   |                 |                |
| Felt skirting, average 6" high and dressing over splayed fillet and up wall and including angles and other labours . . . . .  | Ft. run         | 1 0½           |
| 80-lb. felt eaves strip 9" wide with edge nailed and sealed with hot bitumen . . . . .  | ..              | 0 6½           |
| 80-lb. welted eaves drip nailed and sealed with hot bitumen . . . . .   | ..              | 1 0½           |
| Ridge piece 12" wide lapped, nailed and sealed with hot bitumen. . . . .  | ..              | 0 9½           |
| Labour and materials dressing felt roofing through outlet in 9" wall . . . . .  | No.             | 6 10           |
| <i>Extra labour turning felt over edge of boarded flat and dressing into eaves gutter, including sealing edges in bitumen and fixing with galvanized clout-nails . . . . .</i>  | Ft. run         | 0 6½           |
| Labour and material in combined horizontal damp-proof course and cover flashing to parapet wall (10½" girth overall for half-brick and 15" for one-brick wall) including bedding to wall, sealing with bitumen, and dressing flashing down wall face. | Half-brick wall | One-brick wall |
|   |                 | <i>s. d.</i>   |
| Single layer 2-ply felt . . . . .   | Ft. run         | 0 11           |
| Double layer 1-ply 60 lb felt . . . . .   | ..              | 1 5            |
| Triple layer 1-ply 50 lb. felt . . . . .  | ..              | 1 9            |
|   |                 | <i>s. d.</i>   |
|   |                 | 1 1½           |
|   |                 | 1 9            |
|   |                 | 2 1            |

## CARPENTER

| Item   | Unit       | Price        |              |
|--|------------|--------------|--------------|
|  |            | <i>s.</i>    | <i>d.</i>    |
| <b>CENTERING</b>   |            |              |              |
| Temporary turning piece and strutting to soffit of flat arch:                    |            |              |              |
| 4½" wide .....   | Ft. run    | 0            | 8½           |
| 9" wide .....  | "          | 1            | 2            |
| Over 12" wide .....  | Ft. super. | 1            | 8            |
| Centering to semi-circular brick arch 4' 9" diameter and 4½" on soffit .....     | No.        | 16           | 0            |
| <b>CARCASSING</b>  |            |              |              |
| Softwood in carcassing including all hoisting and fixing:                        |            |              |              |
| Plates, dragon ties, sleepers, and lintels ..                                    | Ft. cube   | 11           | 11           |
| <i>As above</i> bolted to steel (bolts and holes measured separately) .....      | "          | 14           | 1½           |
| Floor joists .....   | "          | 13           | 4½           |
| <i>As above</i> bolted to steel (bolts and holes measured separately) .....      | "          | 14           | 1½           |
| Partitions .....   | "          | 14           | 8            |
| Trussed partitions .....   | "          | 15           | 6            |
| Rafters .....  | "          | 14           | 6            |
| Ceiling joists and collars .....   | "          | 13           | 4            |
| Purlins, ceiling beams, and struts .....   | "          | 14           | 8            |
| Trussed purlins and beams .....  | "          | 16           | 0            |
| Roof trusses .....   | "          | 16           | 0            |
| Creosoting under pressure .....  | "          | 1            | 8            |
| Labour planing fir.....  | Ft. super. | 0            | 2½           |
| Framed purlin cleats, 9" × 4½" × 3", housed-in.....                              | No.        | 1            | 10½          |
|  | Unit       | Thickness    |              |
|  |            | ¾"           | 1"           |
|  |            | <i>s. d.</i> | <i>s. d.</i> |
| <b>ROOF BOARDING</b>   |            |              |              |
| Roof boarding in batten widths close-jointed and fixing to flat or sloping roofs | Square     | 88 0         | 109 8        |
| Additional for:  |            |              |              |
| Tongued-and-grooved boarding .....   | "          | 13 0         | 15 5         |
| Laying diagonally.....   | "          | 4 6          | 4 6          |
| Preparing for lead on and including 2" firrings to falls .....                   | "          | 43 7         | 43 7         |
| Laying in small quantities.....  | Ft. super. | 1 0          | 1 2          |
| Sawn gang boarding and laying to joists in roof.....                             | "          | 1 0          | 1 2          |
| Roof boarding to spandrel dormer cheeks close-jointed and prepared for lead .... | "          | 1 5          | 1 8          |
| Raking cutting on boarding .....   | Ft. run    | 0 2½         | 0 4½         |
| Circular cutting on boarding .....   | "          | 0 3½         | 0 5          |

*Carpenter*

| Item   | Unit       | Price |
|--|------------|-------|
| <b>SUNDRIES</b>  |            |       |
| <i>s. d.</i>   |            |       |
| <b>Plugging:</b>   |            |       |
| Brickwork for fixing joinery .....   | Ft. run    | 0 3½  |
| Concrete for fixing joinery .....  | "          | 0 4½  |
| Small tilting fillet and nailing .....   | "          | 0 3   |
| ¾" × 2" sawn splayed ground and plugging to brickwork .....  | "          | 0 7   |
| 1" gutter sole prepared for lead and fixing on and including sawn bearers .....                                    | Ft. super. | 2 5   |
| 1" tongued and grooved side, <i>as above</i> .....   | "          | 1 8   |
| 1" × 6" sawn gutter sole, <i>as above</i> .....  | Ft. run    | 1 8   |
| Gusset ends .....  | No.        | 1 9½  |
| 1" × 2" sawn fillet planted on .....   | Ft. run    | 0 3½  |
| 1" × 6" sawn pipe-board and fixing to joists in roof space .....   | "          | 0 7½  |
| 1½" × 2" sawn and framed bracketing in short lengths .....   | "          | 0 7   |
| 1½" × 4" twice-splayed valley-sole .....   | "          | 1 1½  |
| 1½" × 2" sawn herring-bone double strutting to 9" joists .....   | "          | 1 6   |
| 2" × 3" tilting fillet and nailing .....   | "          | 0 5   |
| 2" × 3" sawn bearers to eaves soffit .....   | "          | 0 9½  |
| 2" × 3" sawn framed studding .....   | "          | 1 0   |
| 2" × 3" framed gutter-bearers in short lengths .....   | "          | 1 0½  |
| Fir in ridge and framing .....   | Ft. cube   | 14 6  |
| Fir in hip and valley rafters, including cutting rafters up to both sides .....                                    | "          | 16 2  |
| 2" × 2" sawn twice-splayed floor fillets impregnated with creosote and fixing to clips (measured separately) ..... | Ft run     | 0 6   |
| <b>Fixing only:</b>  |            |       |
| Screw bolts (boring measured separately) .....   | No.        | 0 5½  |
| Heel straps .....  | "          | 3 6   |
| Three-way roof straps .....  | "          | 3 6   |
| Stirrup straps .....   | "          | 3 6   |
| Sets of gibs and cotters including perforation through 3" fir .....  | "          | 4 7½  |
| Heads of nuts of small bolts let in flush and pelleted .....   | "          | 0 7   |
| Boring 1" for small bolts .....  | "          | 0 3   |
| <i>Add for each additional 1" in thickness</i> .....   | "          | 0 1½  |
| Holes for small pipes through 1" fir .....   | "          | 0 3   |
| <i>Add for each additional 1" in thickness</i> .....   | "          | 0 1½  |
| Holes for large pipes through 1" fir .....   | "          | 0 7   |
| <i>Add for each additional 1" in thickness</i> .....   | "          | 0 3½  |
| Sinkings in deal for soldered dots .....   | "          | 0 7   |
| Labour notching joists per inch in girth .....   | "          | 0 1   |
| Ends of timbers notched and fitted to steel .....  | "          | 0 7   |
| 1" sawn boxed cesspools 9" × 3" deep with outlet for ¾" pipe and including bearers .....                           | "          | 9 9   |
| <i>Extra labour in forming scarfed joints in timber:</i>   |            |       |
| Sectional area up to 18" .....   | "          | 2 7½  |
| " " over 18" .....   | "          | 3 11  |
| <i>Extra labour trimming joists or rafters around openings:</i>  |            |       |
| 2' 0" × 4' 0"—sectional area up to 9" .....  | "          | 6 11½ |
| " " " " over 9" .....  | "          | 10 5  |
| 3' 0" × 8' 0"— " " up to 9" .....  | "          | 13 11 |
| " " " " over 9" .....  | "          | 20 10 |

**Carpenter**

| Item   | Unit       | Price             |
|--|------------|-------------------|
| <b>WROUGHT DEAL</b>  |            |                   |
|  |            | <i>s. d.</i>      |
| $\frac{3}{4}$ " wrought cross-tongued eaves soffit .....   | Ft. super. | 1 6 $\frac{1}{2}$ |
| $\frac{3}{4}$ " x 6" wrought eaves soffit rebated one edge and tongued to fascia (groove measured separately)... | Ft. run    | 0 8               |
| $1\frac{1}{4}$ " x 9" wrought and grooved and moulded barge board fixed to bearers (measured separately)...      | "          | 2 1               |
| Apex mitres .....  | No.        | 1 9               |
| Splay-cut ends .....   | "          | 1 1 $\frac{1}{2}$ |
| $\frac{3}{4}$ " x 6" wrought and grooved eaves fascia planted on.  | Ft. run    | 0 7               |
| 1" x 6" ditto .....  | "          | 0 8 $\frac{1}{2}$ |
| 2" x 3" rounded roll prepared for lead and planted on  | "          | 0 11              |
| Rounded ends .....   | No.        | 0 4 $\frac{1}{2}$ |
| Mitred intersection of four rolls .....  | "          | 1 9               |
| $\frac{3}{4}$ " x 4" wrought pipe-board, nailed .....  | Ft. run    | 0 7               |
| 2" cross-rebated and rounded drip .....  | "          | 1 6               |

| Item   | Unit       | Standard quality p.c. 7 $\frac{1}{2}$ d. per yd. super. | Single side reflective quality p.c. 1s. 10d. per yd. super. | Double side reflective quality p.c. 2s. 6d. per yd. super. |
|--|------------|---|---|--|
|  |            | <i>s. d.</i>  | <i>s. d.</i>  | <i>s. d.</i>   |
| <b>INSULATING PAPER</b>  |            |   |   |  |
| Building insulating paper as described and fixing on top of joists, etc. . . . | Yd. super. | 1 0   | 2 6   | 3 2 $\frac{1}{2}$  |
| Ditto and fixing to flat or sloping soffits .....                              | "          | 1 3 $\frac{1}{2}$                                       | 2 9   | 3 7  |

**Carpenter**

| Item  | Unit       | Price        |              |
|---|------------|--------------|--------------|
|   |            | <i>s d.</i>  |              |
| <b>WALL AND CEILING BOARD, ETC.</b>   |            |              |              |
| ½" insulation board to B.S. 1142 and fixing with 1½" galvanized flat-headed nails to vertical fir studs         | Yd. super. | 4            | 7½           |
| Ditto in narrow widths or small quantities  | Ft. super. | 0            | 7½           |
| Ditto and fixing to flat or sloping fir soffits   | Yd. super. | 4            | 9            |
| Ditto in narrow widths or small quantities  | Ft. super. | 0            | 7½           |
| Raking cutting  | Ft. run    | 0            | 2½           |
| Circular cutting  | "          | 0            | 4            |
|   |            | 1½"          | 1"           |
|   |            | <i>s. d.</i> | <i>s. d.</i> |
| Asbestos cement flat sheeting to B S 690 and fixing to vertical fir studs with 1½" galvanized flat-headed nails | Yd. super. | 4            | 6            |
| Ditto in narrow widths or small quantities  | Ft. super. | 0            | 8            |
| Ditto and fixing to flat or sloping fir soffits   | Yd. super. | 4            | 10           |
| Ditto in narrow widths or small quantities  | Ft. super. | 0            | 8½           |
|   |            | <i>s d</i>   |              |
| Raking cutting  | Ft run     | 0            | 3½           |
| Circular cutting  | "          | 0            | 6            |
| ½" insulation board and laying with butt joints on joists   | Yd. super. | 4            | 0            |
| 1" layer of bitumen-bonded fibre-glass and laying on and securing to fir joists                                 | "          | 2            | 3½           |



## JOINER

| Item  | Unit       | ¾"         |            | 1"      |          | 1½"     |       |   |
|---|------------|------------|------------|---------|----------|---------|-------|---|
|   |            | Nominal    | s. d.      | Nominal | s. d.    | Nominal | s. d. |   |
| <b>BOARDED FLOORING</b>   |            |            |            |         |          |         |       |   |
| Straight-edge softwood flooring in widths not exceeding 6", well cramping up and nailing to joists or fillets . . . . .   | Square     | 101        | 9          | 115     | 0        | 138     | 2     |   |
| <i>As above</i> , but laying diagonally   | "          | 107        | 0          | 120     | 2        | 143     | 4     |   |
| <i>As above</i> , but laying in narrow widths in openings, including bearers . . . . .  | Ft. super. | 1          | 11         | 2       | 0        | 2       | 3     |   |
| Raking cutting . . . . .  | Ft. run    | 0          | 4          | 0       | 4½       | 0       | 5     |   |
| Circular cutting . . . . .  | "          | 0          | 5          | 0       | 5        | 0       | 5½    |   |
| Tongued and grooved softwood flooring in widths not exceeding 6", well cramping up and nailing to joists or fillets. . . . .  | Square     | 108        | 9          | 122     | 6        | 146     | 9     |   |
| <i>As above</i> , but laying diagonally   | "          | 114        | 0          | 127     | 9        | 152     | 0     |   |
| <i>As above</i> , but laying in narrow widths in openings, including bearers . . . . .  | Ft. super. | 2          | 0          | 2       | 1½       | 2       | 4     |   |
|   |            | ¾"         | 1"         | Raking  | Circular |         |       |   |
|   |            | Nominal    | Nominal    | cutting | cutting  |         |       |   |
| <b>WOOD BLOCK FLOORING</b>  |            |            |            |         |          |         |       |   |
|   | Yd super   | Yd. super. | Ft. run    | Ft. run |          |         |       |   |
| Double-grooved and tongued-and-grooved wood block flooring, kiln dried, laid herring-bone pattern with two-block border, and setting in hot mastic composition on cement screed . . . . . | s. d.      | s. d.      | s. d.      | s. d.   |          |         |       |   |
| Swedish softwood . . . . .  | 21         | 9          | 24         | 6       | 0        | 9½      | 3     | 8 |
| Colombian pine . . . . .  | —          | —          | 27         | 6       | 0        | 9½      | 3     | 8 |
| West African agba . . . . .   | —          | —          | 36         | 9       | 0        | 9½      | 3     | 8 |
| West African ayan . . . . .   | —          | —          | 36         | 9       | 0        | 9½      | 3     | 8 |
| Bongossi . . . . .  | —          | —          | 36         | 9       | 0        | 9½      | 3     | 8 |
| Canadian birch . . . . .  | —          | —          | 41         | 11      | 0        | 9½      | 3     | 8 |
| Canadian maple . . . . .  | —          | —          | 42         | 5       | 0        | 9½      | 3     | 8 |
| English beech . . . . .   | —          | —          | 33         | 1       | 0        | 9½      | 3     | 8 |
| Australian jarrah . . . . .   | —          | —          | 41         | 6       | 0        | 9½      | 3     | 8 |
| Burma teak . . . . .  | —          | —          | 48         | 3       | 0        | 9½      | 3     | 8 |
| English oak . . . . .   | —          | —          | 44         | 1       | 0        | 9½      | 3     | 8 |
| Rhodesian teak . . . . .  | —          | —          | 41         | 6       | 0        | 9½      | 3     | 8 |
| African muhuhu . . . . .  | —          | —          | 37         | 9       | 0        | 9½      | 3     | 8 |
|   |            |            | Unit       | Price   |          |         |       |   |
| <i>Add to the above for:</i>  |            |            |            |         |          |         |       |   |
| Preparing, bodying-in with shellac and wax polishing . . . . .  |            |            | Yd. super. | s. d.   |          |         |       |   |
|   |            |            |            | 2       | 7½       |         |       |   |

**Joiner**

| Item  | 1"           | Raking       | Circular     |
|---|--------------|--------------|--------------|
|   | Nominal      | cutting      | cutting      |
|   | Square       | Ft. run      | Ft. run      |
|   | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| <b>STRIP FLOORING</b>   |              |              |              |
| Strip flooring, kiln dried, ploughed, tongued-and-grooved, with tongued-and-grooved heading joints, secret nailed to wood joists or fillets   |              |              |              |
| Birch . . . . .   | 496 1        | 0 6½         | 3 2          |
| Maple . . . . .   | 523 1        | 0 6½         | 3 2          |
| Australian jarrah . . . . .   | 468 7        | 0 6½         | 3 2          |
| Burma teak . . . . .  | 606 4        | 0 6½         | 3 2          |
| Indian gurjun . . . . .   | 475 1        | 0 6½         | 3 2          |
| Brazilian guaribu . . . . .   | 459 4        | 0 6½         | 3 2          |
| Siamese kratok . . . . .  | 399 0        | 0 6½         | 3 2          |
|   |              | <b>Unit</b>  | <b>Price</b> |
|   |              |              | <i>s. d.</i> |
| <i>Add to the above for.</i>  |              |              |              |
| Preparing, bodying-in with shellac and wax polishing . . . . .  |              | Square       | 29 0         |
| <b>PARQUET FLOORING</b>   |              |              |              |
| ½" English oak parquet, planed straight edge, kiln dried, laid herring-bone pattern with plain two-batten border well glued and pinned to wood sub-floor, nails punched in and stopped, bodying-in with shellac and wax polishing . . . . . |              | Ft. super.   | 6 7          |
| Raking cutting . . . . .  |              | Ft. run      | 0 6½         |
| Circular cutting . . . . .  |              |              | 3 2          |
| Re-surfacing, preparing, bodying-in with shellac and wax polishing . . . . .  |              | Yd. super.   | 11 0         |

**Joiner****SOFTWOOD JOINERY**

| Item  | Unit       | Sectional area |             |              |
|---|------------|----------------|-------------|--------------|
|   |            | Up to<br>3"    | 3" to<br>6" | Over<br>6"   |
|   |            | s. d.          | s. d.       | s. d.        |
| <b>SKIRTINGS</b>  |            |                |             |              |
| Skirtings with played or moulded top edges planted on, including short lengths, mitres, ends, etc., <i>per inch in sectional area</i> . . . . . | Ft run     | 0 3            | 0 2½        | 0 2½         |
| <i>Extra for</i>  |            |                |             |              |
| ½" × ½" sawn played grounds and nailing to breeze . . . . .   | "          | 0 3            | 0 3         | 0 3          |
| Plugging to brickwork . . . . .   | "          | 0 3            | 0 3         | 0 3          |
| <i>Labours on skirtings where over 6" sectional area:</i>   |            |                |             |              |
| Fitted ends . . . . .   | No.        | —              | —           | As 6" run    |
| Mitres . . . . .  | "          | —              | —           | As 1' 0" run |
| Returned moulded ends . . . . .   | "          | —              | —           | As 1' 6" run |
|   | Unit       | Thickness      |             |              |
|   |            | 1½"            | 2"          |              |
|   |            | s. d.          | s. d.       |              |
| <b>FANLIGHTS AND CASEMENT SASHES</b>  |            |                |             |              |
| Moulded fanlight in one square, rebated for glass . . . . .   | Ft super.  | 2 3            | 2 6         |              |
| <i>As above</i> , divided into small panes . . . . .  | "          | 2 6            | 2 9         |              |
| Labour bottom-hanging sash . . . . .  | No.        | 1 8            | 1 8         |              |
| Labour centre-hanging sash, including extra labour cutting and mitreing beads . . . . .   | "          | 2 9            | 2 9         |              |
| Rebated and moulded sash in one square rebated for glass . . . . .  | Ft. super. | 2 3            | 2 6         |              |
| <i>As above</i> , divided into small panes . . . . .  | "          | 2 6            | 2 9         |              |
| Labour side-hanging sash . . . . .  | No.        | 1 8            | 1 8         |              |
| Labour centre-hanging sash, including extra labour cutting and mitreing beads . . . . .   | "          | 2 9            | 2 9         |              |
| Labour bedding sash in white lead in rebate of frame and screwing . . . . .   | "          | 0 10½          | 0 10½       |              |

*Joiner*

**SOFTWOOD JOINERY—continued**

**STANDARD CASEMENT WINDOWS**

Standard softwood casement windows, including frames, sills, etc., to B.S.644, Part 1, with opening lights and night vents and hung on rust-proof steel cranked butts. Side hung casements fitted with espagnolette or other control fasteners and peg or other type casement stays. Night vents fitted with adjustable stays. Including knotting and priming.

- (a) Without glazing bars.
- (b) With lay bars.
- (c) With vertical and horizontal bars.

| Nominal size |        | B.S. notation |        | Item                                       | Unit | (a)   |       | (b)   |       | (c)   |       |
|--------------|--------|---------------|--------|--|------|-------|-------|-------|-------|-------|-------|
| Width        | Height | Old           | New    |  |      | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. |
| 1' 6"        | 2' 6"  | CA.1          | INV.26 | One light with night vent                  | No.  | 21 4  | —     | —     | —     | —     | —     |
| 2' 3"        | 2' 6"  | CC.1          | 1P.26  | One light, side hung                       | "    | 24 11 | 25 7  | 27 0  |       |       |       |
| 2' 3"        | 2' 6"  | CE.1          | 1V.26  | One light with night vent                  | "    | 22 8  | 26 2  | 27 9  |       |       |       |
| 4' 1"        | 2' 6"  | CG 1          | 2V.26  | Two light, one side hung, one night vent   | "    | 41 11 | 46 7  | 48 7  |       |       |       |
| 6' 0"        | 2' 6"  | CL.1          | 3P.26  | Three light, two side hung                 | "    | 52 3  | 59 10 | 62 7  |       |       |       |
| 1' 6"        | 4' 0"  | CA.3          | INV.40 | One light with night vent                  | "    | 23 6  | 29 9  | —     |       |       |       |
| 2' 3"        | 4' 0"  | CC.3          | 1P.40  | One light, side hung                       | "    | 29 0  | 31 0  | 32 10 |       |       |       |
| 2' 3"        | 4' 0"  | CE.3          | 1V.40  | One light with night vent                  | "    | 25 7  | 32 5  | 34 8  |       |       |       |
| 4' 1"        | 4' 0"  | CG.3          | 2V.40  | Two light, one side hung, one night vent   | "    | 47 0  | 56 6  | 59 10 |       |       |       |
| 6' 0"        | 4' 0"  | CK.3          | 3V.40  | Three light, two side hung, one night vent | "    | 68 6  | 79 9  | 84 9  |       |       |       |
| 7' 0"        | 4' 0"  | CM.3          | 4V.40  | Four light, two side hung, two night vents | "    | 88 10 | 107 5 | 114 5 |       |       |       |

| Item  | Unit | Width of window |       |       |       |       |
|---|------|-----------------|-------|-------|-------|-------|
|   |      | 1' 6"           | 2' 3" | 4' 1" | 6' 0" | 7' 0" |
|   |      | s. d.           | s. d. | s. d. | s. d. | s. d. |
| <i>Add to the above for Hardwood sub-sill</i> ..... | No.  | 1 1             | 1 8   | 3 0   | 4 5   | 5 9   |

|   | Unit    | Price        |
|---|---------|--------------|
| Bay angle-couplings including tongues, cover moulds, screws ..... | Ft. run | s. d.<br>1 4 |
| Easy-clean hinges per opening side-hung light .....               | No.     | 1 4½         |

*Joiner***SOFTWOOD JOINERY—continued**

| Item   | Unit       | Price        |
|--|------------|--------------|
| <b>DOUBLE-HUNG FRAMES AND SASHES</b>   |            | <i>s. d.</i> |
| Cased frames with 6"×3" oak sunk, weathered, and throated sill, 1" grooved inside and outside linings, 1½" heads, 1½" pulley stiles, parting beard, ½" parting slips and back linings, all rebated and tongued together and 2" moulded sashes in panes double-hung, including brass-axle pulleys, sash-lines and cast-iron weights . . . . . | Ft. super. | 9 2          |
| <i>As above</i> , but for cased mullion . . . . .  | "          | 9 5½         |
| <i>Extra for</i> moulded horns to sashes . . . . .   | No         | 0 6½         |

**STANDARD PATTERN DOUBLE-HUNG SASHES AND FRAMES**

Double-hung sashes with cased frames to B.S.644, Part 2, type A, with brass-axle pulleys, sash-lines, and cast-iron weights.

| Nominal size |        | Description | Unit | Without      | With         |
|--------------|--------|-------------|------|--------------|--------------|
| Width        | Height |             |      | glazing bars | glazing bars |
|              |        |             |      | <i>s. d.</i> | <i>s. d.</i> |
| 1' 6"        | 4' 9"  | One light   | No.  | 103 10       | 106 3        |
| 2' 3"        | 4' 9"  | " "         | "    | 125 9        | 128 4        |
| 3' 0"        | 4' 9"  | " "         | "    | 136 7        | 139 8        |
| 3' 9"        | 4' 9"  | " "         | "    | 146 7        | 149 10       |
| 5' 8"        | 4' 9"  | Two light   | "    | 207 8        | 211 8        |
| 5' 3"        | 4' 9"  | Three light | "    | 229 9        | 233 7        |
| 6' 0"        | 4' 9"  | " "         | "    | 243 1        | 246 3        |

| Item  | Unit       | Thickness    |              |              |              |
|---|------------|--------------|--------------|--------------|--------------|
|   |            | 1½"          | 1¾"          | 2"           | 2½"          |
| <b>PURPOSE-MADE DOORS</b>   |            | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| The following prices apply to single doors, hung folding or swinging.   |            |              |              |              |              |
| Framed, ledged, and braced doors filled in with 1" tongued-and-grooved boarding, V-jointed one side . . . . . | Ft. super. | 3 7          | 4 7          | 4 7          | 5 6          |
| Four-panelled door, square both sides . . . . .   | "          | 3 7          | 4 7          | 4 7          | 5 6          |
| <i>As above</i> but one side moulded, other side square . . . . .   | "          | 4 2          | 5 2          | 5 2          | 6 0          |
| <i>As above</i> but moulded both sides . . . . .  | "          | 4 9          | 5 8          | 5 8          | 6 7          |
| <i>As above</i> but bead butt one side other side square . . . . .  | "          | 4 2          | 5 2          | 5 2          | 6 0          |

**Joiner**

**SOFTWOOD JOINERY—continued**

| Item  | Unit       | Thickness  |     |            |     |
|---|------------|------------|-----|------------|-----|
|   |            | 1½"        | 1¾" | 2"         | 2½" |
| <b>PURPOSE-MADE DOORS</b>   |            |            |     |            |     |
| <i>—continued</i>   |            |            |     |            |     |
| Three-panelled door, the two lower panels bead butt one side and flush the other, the upper panel with diminished stiles open rebated and moulded for glass and divided into nine squares with 1½"×2" rebated and moulded glazing bars... | Ft. super. | 4 7        | 5 4 | 5 4        | 6 3 |
| Four-panelled door bolection moulded both sides .....   | "          | 5 8        | 6 6 | 6 6        | 7 5 |
| Two-panelled door, panels flush-framed both sides .....   | "          | 4 7        | 5 8 | 5 8        | 6 6 |
|   | Unit       | 2"         |     | 2½"        |     |
| Labour rebating and beading meeting stile to door .....   | Ft. run    | s. d. 0 3½ |     | s. d. 0 3½ |     |
| Labour rounding heel or stile to door .....   | "          | s. d. 0 3½ |     | s. d. 0 3½ |     |
| Labour hollow grooving to frame .....   | "          | s. d. 0 3½ |     | s. d. 0 3½ |     |

| Description   | Unit | Thick-ness | Size          |               |               |               |               |
|---|------|------------|---------------|---------------|---------------|---------------|---------------|
|   |      |            | 2' 0" × 6' 6" | 2' 3" × 6' 6" | 2' 6" × 6' 6" | 2' 9" × 6' 6" | 3' 0" × 6' 6" |
| <b>STOCK DOORS</b>  |      |            |               |               |               |               |               |
| <i>Standard Panelled Doors to B.S. 459, Part 1:</i>             |      |            |               |               |               |               |               |
| Type 4 (four panelled) .....                                    | No.  | 1½"        | 41 10         | 45 2          | 46 10         | 49 0          | —             |
| Type 2XG (two panelled, upper panel prepared for glazing) ...   | "    | 2"         | —             | —             | 50 8          | 52 4          | —             |
| Type 3XG (three panelled, upper panel prepared for glazing) ... | "    | "          | —             | —             | 55 4          | 58 1          | —             |
| Type 4XG (four panelled, upper panel prepared for glazing) ...  | "    | "          | —             | —             | 58 1          | 62 0          | —             |
| Type 2XHG (two panelled, upper panel prepared for glazing) ...  | "    | "          | —             | —             | 54 3          | 56 9          | —             |
| <i>Standard Flush Doors:</i>                                    |      |            |               |               |               |               |               |
| Internal pattern .  | "    | 1½" (Fin.) | 70 1          | 72 8          | 73 9          | 75 2          | —             |
| External pattern .  | "    | 2" (Nom.)  | —             | —             | 86 8          | 90 7          | —             |
| <i>Fire-Check Flush Doors to B.S. 459, Part 3</i> .....         | "    | 1½"        | —             | —             | —             | 90 10         | 105 2         |

**Joiner****SOFTWOOD JOINERY—continued**

| Item   | Unit       | Thickness         |                   |                   |                   |
|--|------------|-------------------|-------------------|-------------------|-------------------|
|  |            | $\frac{1}{2}$ "   | $\frac{3}{4}$ "   | $1\frac{1}{2}$ "  | 1"                |
|  |            | s. d.             | s. d.             | s. d.             | s. d.             |
| <b>WALL LINING</b>   |            |                   |                   |                   |                   |
| Softwood tongued and grooved and V-jointed one side matching in $4\frac{1}{2}$ " widths fixed upright on fir grounds (measured separately) ..... | Square     | 85 2              | 97 8              | 110 2             | 135 1             |
| <i>Add to above for:</i>   |            |                   |                   |                   |                   |
| Dado not exceeding 3' high ...   | "          | 8 3               | 8 11              | 9 6               | 10 8              |
| Fixing to flat soffits .....   | "          | 14 9              | 14 9              | 14 9              | 14 9              |
|  | Ft.        |                   |                   |                   |                   |
| Small quantities or narrow widths super.   |            | 1 1               | 1 3               | 1 4               | 1 7               |
| Raking cutting .....   | Ft. run    | 0 3               | 0 3 $\frac{1}{2}$ | 0 3 $\frac{1}{2}$ | 0 4 $\frac{1}{2}$ |
| Circular cutting .....   | "          | 0 4               | 0 4 $\frac{1}{2}$ | 0 4 $\frac{1}{2}$ | 0 5               |
| Tongued external angles .....  | "          | 0 3 $\frac{1}{2}$ | 0 3 $\frac{1}{2}$ | 0 3 $\frac{1}{2}$ | 0 3 $\frac{1}{2}$ |
|  |            | £ s. d.           |                   |                   |                   |
| $2" \times \frac{1}{2}"$ fir sawn grounds nailed to breeze at 18" centres .....  | Square     |                   | 1 0 1             |                   |                   |
| As above but plugged to wall ...   | "          |                   | 1 18 7            |                   |                   |
|  |            | Unit Price        |                   |                   |                   |
|  |            | 1"                |                   | 1 $\frac{1}{2}$ " |                   |
|  |            | s. d.             | s. d.             | s. d.             | s. d.             |
| <b>PANELLING</b>   |            |                   |                   |                   |                   |
| Square framed panelling, six panels high and fixing on fir grounds .....   | Ft. super. |                   | 4 4               |                   | 4 10              |
| <i>Add to above for:</i>   |            |                   |                   |                   |                   |
| Mouldings planted on .....   | "          |                   | 0 7               |                   | 0 7               |
| Mouldings worked on solid .....  | "          |                   | 0 3               |                   | 0 3               |
| Dado not over 3' high .....  | "          |                   | 0 2 $\frac{1}{2}$ |                   | 0 2 $\frac{1}{2}$ |
| Tongued external angle .....   | Ft run     |                   | 0 4 $\frac{1}{2}$ |                   | 0 4 $\frac{1}{2}$ |
|  |            | Unit Price        |                   |                   |                   |
|  |            | 1 $\frac{1}{2}$ " |                   | 2"                |                   |
|  |            | s. d.             | s. d.             | s. d.             | s. d.             |
| <b>FRAMED PARTITIONS</b>   |            |                   |                   |                   |                   |
| Square framed panelling wrought both sides in framed partition   | Ft. super. | 4 7               | 5 2               | 5 9               |                   |
| <i>Add to above for:</i>   |            |                   |                   |                   |                   |
| Mouldings planted on .....   | "          | 0 7               | 0 7               | 0 8               |                   |
| Mouldings worked on solid .....  | "          | 0 3 $\frac{1}{2}$ | 0 3 $\frac{1}{2}$ | 0 4 $\frac{1}{2}$ |                   |
| Partition not over 3' high ..  | "          | —                 | —                 | —                 |                   |

**Joiner**

**SOFTWOOD JOINERY—continued**

| Item  | Unit       | Sectional area             |              |              |
|---|------------|----------------------------|--------------|--------------|
|   |            | Up to 6"                   | 6" to 12"    | Over 12"     |
| <b>WINDOW AND DOOR LININGS AND FRAMES</b>   |            |                            |              |              |
| <i>For moulding, etc., see "Sundry Labours"</i>   |            | <i>s. d.</i>               | <i>s. d.</i> | <i>s. d.</i> |
| Window and door linings, etc., per inch in sectional area . . . . .                     | Ft. run    | 0 3                        | 0 3          | 0 2½         |
| Extra for cross tonguing . . .  | "          | 0 0½                       | 0 0½         | 0 0½         |
| Frames wrought all round and framed, per inch in sectional area                         | "          | 0 3                        | 0 2½         | 0 2½         |
| Mullions, transoms and sills, per inch in sectional area . . . . .                      | "          | 0 3½                       | 0 3          | 0 3          |
|   |            | Thickness                  |              |              |
|   |            | 1"                         | 1½"          | 1¾"          |
|   |            | <i>s. d.</i>               | <i>s. d.</i> | <i>s. d.</i> |
| <b>WINDOW BOARDS</b>  |            |                            |              |              |
| 6" window boards with rounded nosing, tongued at back to sill, on and including bearers | "          | 1 11                       | 2 1½         | 2 3½         |
| Extra for   |            |                            |              |              |
| Each additional 3" in width.  | "          | 0 2½                       | 0 3          | 0 3½         |
| Cross-tonguing . . . . .  | "          | 0 4½                       | 0 4½         | 0 5          |
|   |            | Treat as additional length |              |              |
| Fitted ends . . . . .   | No.        | 6"                         |              |              |
| Returned rounded ends . . . . .   | "          | 1' 6"                      |              |              |
|   |            | Unit                       | Price        |              |
|   |            |                            | 1½"          | 2"           |
| <b>SKY AND LANTERN LIGHTS</b>   |            |                            | <i>s. d.</i> | <i>s. d.</i> |
| Framed skylight or lantern light top with chamfered and rebated glazing bars . .        | Ft. super. |                            | 2 6          | 2 9          |
| As above but irregular shape (measured net) . . . . .                                   | "          |                            | 3 7          | 4 0          |
|   |            |                            | <i>s. d.</i> |              |
| 1" wrought cross-tongued linings planted on and tongued at angles . . . . .             | "          |                            | 2 6          |              |
| Labour beaded edge . . . . .  | Ft. run    |                            | 0 1½         |              |
| Labour to condensation groove . . . . .   | "          |                            | 0 1          |              |
| throat . . . . .  | "          |                            | 0 1          |              |
| 2" x 9" kerb . . . . .  | "          |                            | 2 8          |              |
| Dovetailed angle to kerb . . . . .  | No.        |                            | 3 10         |              |

*N.B.—For prices for sashes in lantern lights see "Fanlights".*

*For prices for framing to lantern lights see frames and sills under "Window and Door Linings and Frames".*



**Joiner****SOFTWOOD JOINERY—continued**

| Item  | Unit    | Price             |
|---|---------|-------------------|
| <b>PIPE AND BEAM CASING</b>   |         |                   |
| $\frac{3}{4}$ " boxed pipe-casing 6" girth fixed with brass screws and cups to and including sawn grounds plugged to brickwork including packing with sawdust | Ft. run | 2 6               |
| <i>Add to above for:</i>  |         |                   |
| Each additional 3" in girth . . . . .   | "       | 0 7               |
| Cross-tonguing . . . . .  | "       | 0 4 $\frac{1}{2}$ |
| Tongued and beaded external angle . . . . .   | "       | 0 4 $\frac{1}{2}$ |
|   | Ft.     |                   |
| Cross-tongued beam-casing planted on . . . . .  | super.  | 3 0               |
| Labour to tongued angle including groove . . . . .  | Ft. run | 0 4 $\frac{1}{2}$ |

|  | Unit | Price                    |                   |                   |
|--|------|--------------------------|-------------------|-------------------|
|  |      | $\frac{3}{4}$ "          | 1"                | 1 $\frac{1}{4}$ " |
| <b>SUNDRY LABOURS</b>                      |      |                          |                   |                   |
| Boring small holes . . . . .               | No   | s d<br>0 2 $\frac{1}{2}$ | s d<br>0 3        | s d<br>0 3        |
| Labour notching over 3" and under 6"       | "    | 0 3 $\frac{1}{2}$        | 0 3 $\frac{1}{2}$ | 0 3 $\frac{1}{2}$ |
| <i>Add for each additional 3" in girth</i> | "    | 0 1 $\frac{1}{2}$        | 0 1 $\frac{1}{2}$ | 0 1 $\frac{1}{2}$ |

|  | Unit    | Price             |
|--|---------|-------------------|
|  |         | s d               |
| Labour rebating                                      | Ft. run | 0 1 $\frac{1}{2}$ |
| Labour rounding edge . . . . .                       | "       | 0 1 $\frac{1}{2}$ |
| Labour rounding edge across grain                    | "       | 0 2               |
| Labour housing . . . . .                             | "       | 0 3 $\frac{1}{2}$ |
| Labour housing across grain                          | "       | 0 4 $\frac{1}{2}$ |
| Labour plugging brickwork . . . . .                  | "       | 0 3 $\frac{1}{2}$ |
| Labour plugging concrete . . . . .                   | "       | 0 4 $\frac{1}{2}$ |
| Labour screwing to fixing . . . . .                  | "       | 0 1 $\frac{1}{2}$ |
| Labour tonguing and grooving angle . . . . .         | "       | 0 5               |
| Labour scribing and reducing 1" architrave . . . . . | "       | 0 1 $\frac{1}{2}$ |
| Labour grooving . . . . .                            | "       | 0 1 $\frac{1}{2}$ |

**FILLETS, MOULDINGS, AND BEARERS, ETC.**

|   |         |                   |
|---|---------|-------------------|
| Small mouldings, beads, etc . . . . .                               | Ft. run | 0 2 $\frac{1}{2}$ |
| Glazing beads mitred and bradded . . . . .                          | "       | 0 4 $\frac{1}{2}$ |
| Glazing beads mitred and fixed with brass screws and cups . . . . . | "       | 0 6 $\frac{1}{2}$ |

**Joiner**

**SOFTWOOD JOINERY—continued**

| Item  | Unit       | Sectional area                |          |          |         |
|---|------------|-------------------------------|----------|----------|---------|
|   |            | Up to 2"                      | 2" to 4" | 4" to 6" | Over 6" |
|   |            | s. d.                         | s. d.    | s. d.    | s. d.   |
| <b>FILLETS, MOULDINGS, AND BEARERS, ETC.</b>  |            |                               |          |          |         |
| <i>—continued</i>   |            |                               |          |          |         |
| Bearers, stops and similar fillets <i>per inch in sectional area</i>                    | Ft. run    | 0 3½                          | 0 3½     | 0 2½     | 0 2½    |
| Framed legs and bearers as above  | "          | 0 4                           | 0 4      | 0 3½     | 0 3½    |
| Mouldings and architraves, etc.   | "          | 0 3½                          | 0 3      | 0 2½     | 0 2½    |
| Fitted ends   | No.        | Treat as 6' additional length |          |          |         |
| Mitres  | "          | "                             | " 1' 0"  | "        | "       |
| Returned mitred ends  | "          | "                             | " 1' 6"  | "        | "       |
|   | Unit       | Thickness                     |          |          |         |
|   |            | ¾"                            | 1"       | 1½"      |         |
|   |            | s. d.                         | s. d.    | s. d.    |         |
| <b>SHELVING</b>   |            |                               |          |          |         |
| Slat shelving of 2" battens spaced 1" apart   | Ft. super. | 1 8½                          | 2 1      | 2 8      |         |
| 9' shelving   | Ft run     | 1 6                           | 1 11     | 2 6      |         |
| Shelving  | Ft. super. | 2 0                           | 2 7      | 3 2      |         |
| Cross-tongued shelving  | "          | 2 4                           | 3 0      | 3 6      |         |
| <i>Above four items bearers measured separately.</i>                                    |            |                               |          |          |         |
| Labour ship lap jointing  | Ft run     | 0 4½                          | 0 5½     | 0 6½     |         |
|   |            | 1'                            | 1½"      | 1½       |         |
|   |            | s. d.                         | s. d.    | s. d.    |         |
| <b>CUPBOARD FRONTS</b>  |            |                               |          |          |         |
| Division or end   | Ft super.  | 2 6½                          | 3 4½     | 4 2      |         |
| Division or end, cross-tongued  | "          | 3 1                           | 3 11     | 4 9      |         |
| Square framed front and end   | "          | 3 1                           | 3 8      | 4 2      |         |
| <i>Extra for forming and hanging 2' 0" x 6' 0" square-framed door in cupboard front</i> | No.        | 10 0                          | 10 0     | 10 0     |         |
| <i>As above but panelled and moulded one side and square-framed the other</i>           | "          | 13 3                          | 13 3     | 13 3     |         |
|   | Unit       | Thickness                     |          |          |         |
|   |            | ¾"                            | 1"       |          |         |
|   |            | s. d.                         | s. d.    |          |         |
| <b>PURPOSE-MADE CUPBOARD FITTINGS</b>   |            |                               |          |          |         |
| Tongued and grooved and V-jointed on one side boarding as back planted on               | Ft. super. | 3 1                           | 3 8      |          |         |
| Cross-tongued top (bearers measured separately)   | "          | 3 1                           | 3 8      |          |         |
| Cross-tongued shelf or bottom (bearers measured separately)                             | "          | 3 1                           | 3 8      |          |         |
| Cross-tongued division  | "          | 3 1                           | 3 8      |          |         |

*Joiner***SOFTWOOD JOINERY—continued**

| Item  | Unit    | Thickness |      |
|---|---------|-----------|------|
|   |         | 1½"       | 1¾"  |
| <b>PURPOSE-MADE CUPBOARD FITTINGS—continued</b>             |         |           |      |
| Panelled and moulded one side cupboard front                | "       | 4 10      | 5 4  |
| Flush ditto   | "       | 5 4       | 5 11 |
| One-panel door, square both sides                           | "       | 4 3       | 4 10 |
| Flush ditto   | "       | 4 10      | 5 4  |
| Labour rebate   | Ft. run | 0 1½      | 0 1½ |
| " " cross-grain   | "       | 0 2½      | 0 2½ |
| Raking cutting  | "       | 0 3½      | 0 4½ |
| ½" × 1½" stop screwed on                                    | "       | —         | 0 4½ |
| 1" × 2" bearers in short lengths screwed on, including ends | "       | —         | 0 6½ |

The following in storage cupboards to B.S.1195 constructed on the stressed-skin principle and all joints made with casein cement. Doors to be constructed out of ½" solid plywood or skeleton framed, flush both sides. Finished complete, including hanging doors and fitting catches, and fixing in position by plugging to brickwork.

**STANDARD PATTERN KITCHEN FITMENTS**

| Width | Depth | Height | Type | Unit | Cup-board fitting | Nest of drawers | Combined cupboard and nest of drawers |
|-------|-------|--------|------|------|-------------------|-----------------|---------------------------------------|
| 1' 9" | 1' 7" | 2' 8"  | 1a   | No.  | s. d.             | s. d.           | s. d.                                 |
| 3' 6" | 1' 7" | 2' 8"  | 2/1a | "    | 93 0              | 179 4           | —                                     |
| 1' 9" | 1' 0" | 2' 8"  | 1b   | "    | 175 3             | —               | 216 4                                 |
| 3' 6" | 1' 0" | 2' 8"  | 2/1b | "    | 88 6              | —               | —                                     |
| 1' 9" | 1' 7" | 3' 10" | 2a   | "    | 162 9             | —               | —                                     |
| 1' 9" | 1' 0" | 3' 10" | 2b   | "    | 140 9             | —               | —                                     |
| 1' 9" | 1' 7" | 6' 6"  | 3a   | "    | 131 8             | —               | —                                     |
| 1' 9" | 1' 0" | 6' 6"  | 3b   | "    | 203 5             | —               | —                                     |
| 1' 9" | 1' 0" | 2' 3"  | 4b   | "    | 188 0             | —               | —                                     |
| 3' 6" | 1' 0" | 2' 3"  | 2/4b | "    | 83 4              | —               | —                                     |
| 1' 9" | 1' 7" | 1' 2"  | 5a   | "    | 164 7             | —               | —                                     |
| 1' 9" | 1' 0" | 1' 2"  | 5b   | "    | 63 10             | —               | —                                     |
| 3' 6" | 1' 0" | 1' 2"  | 2/5b | "    | 57 8              | —               | —                                     |
| 1' 9" | 1' 7" | 1' 8"  | 6a   | "    | 100 10            | —               | —                                     |
| 1' 9" | 1' 0" | 1' 8"  | 6b   | "    | 71 6              | —               | —                                     |
| 3' 6" | 1' 0" | 1' 8"  | 2/6b | "    | 64 7              | —               | —                                     |
|       |       |        |      |      | 110 0             | —               | —                                     |

| Item                                    | Unit | Price |
|---|------|-------|
| Hardwood work top, 1" × 21" × 21"       | No.  | s. d. |
| " " " 1" × 36" × 21"                    | "    | 9 6   |
| False top or bottom for unit 1' 9" wide | "    | 18 2  |
| " " " 3' 6" "                           | "    | 3 9   |
| 3" plinth for single unit               | "    | 6 9   |
| " " double "                            | "    | 5 10  |
|   |      | 10 9  |

**Joiner**

**SOFTWOOD JOINERY—continued**

| Item  | Unit       | Price                   |                          |
|---|------------|-------------------------|--------------------------|
|   |            | 1" treads and ½" risers | 1½" treads and 1" risers |
| <b>STAIRCASES</b>   |            |                         |                          |
| Treads with rounded nosings and risers, properly tongued together, glued, blocked and bracketed on and including fir framed carriages ..... | Ft. super. | 3 7                     | 4 3                      |
| Cross-tongued winders with rounded nosings and risers, as above (measured net) .....  | "          | 5 3                     | 6 3                      |
|   |            | 1" thick                | 1½" thick                |
| Cross-tongued landings on and including fir bearers .....   | "          | 3 4                     | 3 10                     |
| Nosing, 3", tongued to edge of floor including groove across grain .....  | Ft. run    | 1 2                     | 1 5                      |
|   | Unit       | Thickness               |                          |
|   |            | 1½"                     | 2"                       |
|   |            | s. d.                   | s. d.                    |
| Rounded or chamfered wall string plugged to brickwork . . . . .   | Ft. run    | 3 2                     | 4 6                      |
| As above, ramped .....  | "          | 5 9                     | 8 4                      |
| Extra for:  |            |                         |                          |
| Fitted ends .....   | No.        | 1 6                     | 2 0                      |
| End framed to newel .....   | "          | 2 1                     | 3 2                      |
| Short ramp .....  | "          | 4 3                     | 5 11                     |
| Tongued heading joint .....   | "          | 2 1                     | 3 2                      |
| Joint of raking and straight. . . . .   | "          | 1 6                     | 2 0                      |
| Rounded outer string .....  | Ft. run    | 3 0                     | 4 7                      |
| Extra for end framed to newel   | No.        | 2 1                     | 3 2                      |
|   | Unit       | ¾"                      | 1"                       |
| 9" apron lining planted on .....  | Ft. run    | 1 10                    | 2 3                      |
|   |            | 3" x 3"                 | 4" x 4"                  |
|   |            | s. d.                   | s. d.                    |
| Square framed newel .....   | No.        | 2 4½                    | 4 0                      |
| Rounded top .....   | "          | 1 8                     | 2 2½                     |
| Extra for rounded and mitred cap or pendant .....   | "          | 5 7                     | 7 3                      |
| Ends stubbed to floor .....   | "          | 1 9                     | 1 9                      |

## Joiner

## SOFTWOOD JOINERY—continued

| Item  | Unit   | Price                |                             |
|---|--------|----------------------|-----------------------------|
|   |        | Thickness            |                             |
|   |        | 1" × 1"              | 1½" × 1½"                   |
| <b>STAIRCASES—continued</b>   |        |                      |                             |
| Square balusters  | Ft run | <i>s. d.</i><br>0 4½ | <i>s. d.</i><br>0 6         |
| Framed ends   | No     | 0 4½                 | 0 4½                        |
| Framed ends on rake   | "      | 0 6½                 | 0 6½                        |
|   |        | 1"                   | 1½"                         |
| Ends of risers housed and wedged to strings                             | "      | <i>s. d.</i><br>0 6½ | <i>s. d.</i><br>0 10        |
| Ends of treads and risers housed and wedged to strings                  | "      | 1 1½                 | 1 8                         |
| Ends of winders and risers housed and wedged:                           |        |                      |                             |
| Wide ends to strings  | "      | 1 8                  | 2 2½                        |
| Narrow ends to newels   | "      | 0 6½                 | 0 10                        |
| Extra for bullnosed end to tread with glued, blocked and veneered riser | "      | 8 3                  | 11 0                        |
|   | Unit   | Price                |                             |
|   |        | Thickness            |                             |
|   |        | 1½" × 2"             | 2½" × 3"   3" × 4"          |
|   |        | <i>s. d.</i>         | <i>s. d.</i>   <i>s. d.</i> |
| Rounded hand-rail   | Ft run | 1 3                  | 2 3   3 3½                  |
| " " , ramped  | "      | 2 6½                 | 4 10   7 0                  |
| Moulded hand-rail   | "      | 1 5½                 | 2 7   3 9                   |
| " " , ramped  | "      | 3 1½                 | 5 4   8 2                   |
| Add to above for sinking to receive iron core-rail                      | "      | 0 3½                 | 0 3½   0 3½                 |
| Mitres  | No     | 1 3½                 | 1 10   2 5                  |
| Framed ends to newel  | "      | 1 5½                 | 2 0   2 6½                  |
| Framed ends to newel, on rake   | "      | 1 11                 | 2 5½   3 0                  |
| Heading joint at junction of level raking and ramped..                  | "      | 3 10                 | 5 9   8 9                   |

**Joiner**

**HARDWOOD JOINERY**

| Item  | Unit   | First quality English oak |          |              |
|---|--------|---------------------------|----------|--------------|
|   |        | Sectional area            |          |              |
|   |        | Up to 3"                  | 3" to 6" | Over 6"      |
|   |        | s. d.                     | s. d.    | s. d.        |
| <b>SKIRTINGS</b>  |        |                           |          |              |
| Skirtings with splayed or moulded top edges planted on, including short lengths, mitres, ends, etc., per inch in sectional area ..... | Ft run | 0 6                       | 0 4½     | 0 4          |
| <i>Extra for:</i>   |        |                           |          |              |
| ½" ½' sawn splayed grounds and nailing to breeze . . .  | "      | 0 3                       | 0 3      | 0 3          |
| Plugging to brickwork . . .   | "      | 0 3                       | 0 3      | 0 3          |
| Labours on skirtings where over 6" sectional area   |        |                           |          |              |
| Fitted ends . . .   | No     | —                         | —        | As 6 run     |
| Mitres . . .  | "      | —                         | —        | As 1' 0' run |
| Returned moulded ends . . .   | "      | —                         | —        | As 1' 6' run |

|   | Unit       | First quality English oak |       |
|---|------------|---------------------------|-------|
|   |            | Thickness                 |       |
|   |            | 1½                        | 2     |
|   |            | s. d.                     | s. d. |
| <b>FANLIGHTS AND CASEMENT SASHES</b>  |            |                           |       |
| Moulded fanlight in one square, rebated for glass . . .                                 | Ft. super. | 5 3                       | 6 2   |
| As above, divided into small panes . . .  | "          | 7 1                       | 8 4   |
| Labour bottom-hanging sash . . . . .  | No.        | 2 7                       | 2 7   |
| Labour centre-hanging sash, including extra labour cutting and mitreing beads . . . . . | "          | 3 6                       | 3 6   |
| Rebated and moulded sash in one square rebated for glass . . . . .                      | Ft. super. | 4 10                      | 5 10  |
| As above, divided into small panes . . . . .  | "          | 6 7                       | 7 10  |
| Labour side-hanging sash . . . . .  | No.        | 2 7                       | 2 7   |
| Labour centre-hanging sash, including extra labour cutting and mitreing beads . . . . . | "          | 3 6                       | 3 6   |
| Labour bedding sash in white lead in rebate of frame and screwing . . . . .             | "          | 0 10½                     | 0 10½ |

**Joiner****HARDWOOD JOINERY—continued**

| Item  | Unit       | First-quality English oak |              | Teak         |              |
|---|------------|---------------------------|--------------|--------------|--------------|
|   |            | Thickness                 |              | Thickness    |              |
|   |            | 2"                        | 2½"          | 2"           | 2½"          |
|   |            | <i>s. d.</i>              | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| <b>PURPOSE MADE DOORS</b>   |            |                           |              |              |              |
| The following prices apply to single doors hung folding or swinging:  |            |                           |              |              |              |
| Two-panelled door, panels flush-framed both sides .....   | Ft. super. | 27 7                      | 29 0         | 33 3         | 35 1         |
| Four-panelled door, moulded both sides .....  | "          | 24 4                      | 25 9         | 29 10½       | 31 10        |
| Four-panelled door, bolection moulded both sides .....  | "          | 29 3                      | 30 4         | 35 2         | 37 0         |
| Door with 17" cross-tongued bottom rail, 8" top and middle rails, 6" stiles, each leaf in five panels, the panels 1" thick, raised, fielded and mitred one side and moulded on solid both sides ..... | "          | 31 6                      | 33 0         | 37 8         | 39 6         |
|   |            | <i>s. d.</i>              | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| 1" × 2" rebated and moulded weather fillet housed to bottom rail of door, including groove bedded in white lead and screwed on, the heads of screws let in and pelleted .....                         | Ft. run    | 1 11                      |              | 2 3½         |              |
| Returned mitred ends to last ...  | No.        | 3 0                       |              | 3 6          |              |
|   |            |                           |              |              |              |
|   | Unit       | First-quality English oak |              | Teak         |              |
|   |            | 2"                        | 2½"          | 2"           | 2½"          |
|   |            | <i>s. d.</i>              | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| Labour rebating and beading meeting stile to door .....   | Ft. run    | 0 8                       | 0 8          | 0 8          | 0 8          |
| Labour rounding heel or stile to door .....   | "          | 0 5½                      | 0 5½         | 0 6½         | 0 6½         |
|   |            |                           |              | Iroko        |              |
|   |            | <i>s. d.</i>              | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| Labour hollow grooving to frame   | "          | 0 5½                      |              | 0 5½         |              |





## Joiner

HARDWOOD JOINERY—*continued*

| Item  | Unit  | Sectional area             |           |          |                            |           |          |
|---|---|----------------------------|-----------|----------|----------------------------|-----------|----------|
|   |   | First-quality English oak  |           |          | Iroko                      |           |          |
| <b>WINDOW AND DOOR LININGS AND FRAMES</b>                             |   | Up to 6"                   | 6" to 12" | Over 12" | Up to 6"                   | 6" to 12" | Over 12" |
|   |   | s. d.                      | s. d.     | s. d.    | s. d.                      | s. d.     | s. d.    |
|   | <i>For mouldings, etc., see "Sundry Labours".</i>   |                            |           |          |                            |           |          |
|   | Window and door linings, etc., per inch in sectional area . . .                               | Ft run                     | 0 8       | 0 5½     | 0 6½                       | 0 7¼      | 0 5½     |
| <i>Extra for cross tonguing</i>                                       | "   |                            |           |          |                            |           |          |
| Frames wrought all round and framed, per inch in sectional area . . . | "   | 0 5½                       | 0 5½      | 0 4½     | 0 5½                       | 0 5½      | 0 4½     |
| Mullions, transoms and sills, per inch in sectional area . . .        | "   | 0 7¼                       | 0 6½      | 0 5½     | 0 7¼                       | 0 6½      | 0 5½     |
|   |   | Thickness                  |           |          |                            |           |          |
| <b>WINDOW BOARDS</b>  |   | First-quality English oak  |           |          | Iroko                      |           |          |
|   |   | 1"                         | 1¼"       | 1½"      | 1"                         | 1¼"       | 1½"      |
|   |   | s. d.                      | s. d.     | s. d.    | s. d.                      | s. d.     | s. d.    |
|   | 6" window boards with rounded nosing, tongued at back to sill, on and including bearers . . . | Ft. run                    | 3 11      | 4 3      | 4 7                        | 3 9       | 4 1      |
| <i>Extra for.</i>   |   |                            |           |          |                            |           |          |
| Each additional 3" in width   | "   | 0 7                        | 0 7½      | 0 8½     | 0 7                        | 0 7½      | 0 8½     |
| Cross-tonguing  | "   | 0 11½                      | 1 1       | 1 3½     | 0 11½                      | 1 1       | 1 3½     |
|   |   | Treat as additional length |           |          | Treat as additional length |           |          |
| Fitted ends . . . . .   | No.   | 6"                         |           |          | 6"                         |           |          |
| Returned rounded ends . . . . .                                       | "   | 1' 6"                      |           |          | 1' 6"                      |           |          |

*Joiner*

**HARDWOOD JOINERY—continued**

| Item  | Unit   | First-quality English oak |
|---|--------|---------------------------|
| <b>PIPE AND BEAM CASING</b>   |        |                           |
| <i>s. d.</i>  |        |                           |
| ½" boxed pipe-casing 6" girth fixed with brass screws and cups to and including sawn grounds plugged to brickwork, including packing with sawdust | Ft run | 4 11                      |
| <i>Add to above for</i>   |        |                           |
| Each additional 3" in girth   | ..     | 1 3                       |
| Cross-tongueing   | ..     | 1 1                       |
| Tongued and beaded external angle   | Ft.    | 0 9                       |
| Cross-tongued beam-casing planted on  | super  | 7 4                       |
| Labour to tongued angle including groove  | Ft run | 0 9                       |

|  | Unit | First-quality English oak |              |              |
|--|------|---------------------------|--------------|--------------|
|  |      | ¾"                        | 1"           | 1½"          |
|  |      | <i>s. d.</i>              | <i>s. d.</i> | <i>s. d.</i> |
| <b>SUNDRY LABOURS</b>                      |      |                           |              |              |
| Boring small holes                         | No   | 0 4½                      | 0 5½         | 0 5½         |
| Labour notching over 3" and under 6"       | "    | 0 6                       | 0 6          | 0 6          |
| <i>Add for each additional 3' in girth</i> | "    | 0 3                       | 0 3          | 0 3          |

|  | Unit    | Price        |
|--|---------|--------------|
|  |         | <i>s. d.</i> |
| Labour rebating                            | Ft. run | 0 1½         |
| Labour rounding edge                       | ..      | 0 1½         |
| Labour rounding edge across grain          | ..      | 0 5½         |
| Labour housing                             | ..      | 0 4½         |
| Labour housing across grain                | ..      | 0 6½         |
| Labour plugging brickwork                  | ..      | 0 3          |
| Labour plugging concrete                   | ..      | 0 4½         |
| Labour screwing to fixing                  | ..      | 0 3          |
| Labour tongueing and grooving angle        | ..      | 0 9          |
| Labour scribing and reducing 1" architrave | ..      | 0 3          |
| Labour grooving                            | ..      | 0 2½         |

|   |         | First-quality English oak |
|---|---------|---------------------------|
|   |         | <i>s. d.</i>              |
| <b>FILLETS, MOULDINGS, AND BEARERS, ETC.</b>              |         |                           |
| Small mouldings, beads, etc.                              | Ft. run | 0 10                      |
| Glazing beads mitred and bradded                          | "       | 0 9                       |
| Glazing beads mitred and fixed with brass screws and cups | ..      | 0 11                      |

**Joiner****HARDWOOD JOINERY—continued**

| Item  | Unit  | First-quality English oak     |              |              |              |      |
|---|---|-------------------------------|--------------|--------------|--------------|------|
| <b>Sectional area</b>   |   |                               |              |              |              |      |
| <b>FILLETS, MOULDINGS,<br/>AND BEARERS, ETC.</b><br><i>—continued</i>                         |   | Up to<br>2"                   | 2' to<br>4"  | 4' to<br>6"  | Over<br>6"   |      |
|   |   | <i>s. d.</i>                  | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |      |
|   | Bearers, stops and similar fillets<br><i>per inch in sectional area</i> . . . . . | Ft. run                       | 0 7½         | 0 6          | 0 5½         | 0 5½ |
|   | Framed legs and bearers as above  | "                             | 0 7½         | 0 7½         | 0 7½         | 0 7½ |
|   | Mouldings and architraves, etc.   | "                             | 0 7          | 0 6          | 0 5½         | 0 5½ |
| Fitted ends . . . . .   | No.   | Treat as 6" additional length |              |              |              |      |
| Mitres . . . . .  | "   | "                             | " 1' 0"      | "            | "            |      |
| Returned mitred ends . . . . .  | "   | "                             | " 1' 6"      | "            | "            |      |
| <b>Thickness</b>  |   |                               |              |              |              |      |
|   |   | ¾"                            | 1"           | 1½"          |              |      |
|   |   | <i>s. d.</i>                  | <i>s. d.</i> | <i>s. d.</i> |              |      |
| <b>SHELVING</b>   |   |                               |              |              |              |      |
| 9" shelving . . . . .   | Ft. run   | 2 10                          | 3 6          | 4 2          |              |      |
| Shelving . . . . .  | Ft. super.  | 3 9                           | 4 8          | 5 7          |              |      |
| Cross-tongued shelving . . . . .  | "   | 4 9                           | 5 9          | 6 7          |              |      |
| <i>Above three items bearers measured separately.</i>   |   |                               |              |              |              |      |
| Labour ship lap jointing . . . . .  | Ft. run   | 2 9                           | 2 9          | 2 9          |              |      |
|   |   | 1"                            | 1½"          | 1½"          |              |      |
| <b>CUPBOARD FRONTS</b>  |   |                               |              |              |              |      |
| Division or end . . . . .   | Ft. super.  | 5 0                           | 5 10         | 6 8          |              |      |
| Division or end, cross-tongued . .  | "   | 6 0                           | 6 10         | 7 8          |              |      |
| Square framed front and end . . .   | "   | 6 9                           | 7 3          | 8 3          |              |      |
| <i>Extra for forming and hanging 2' 0" x 6' 0" square-framed door in cupboard front . . .</i> |   |                               |              |              |              |      |
| <i>As above</i> but panelled and moulded one side and square-framed the other . . . . .       | No.   | 15 6                          | 15 6         | 15 6         |              |      |
|   | "   | 18 0                          | 18 0         | 18 0         |              |      |

**Joiner**

**HARDWOOD JOINERY—continued**

| Item  | Unit       | First-quality English oak |       |
|---|------------|---------------------------|-------|
|   |            | Thickness                 |       |
| <b>PURPOSE-MADE CUPBOARD FITTINGS</b>   | Ft. super. | ¾"                        | 1"    |
|   |            | s. d.                     | s. d. |
|   |            | 5 0                       | 6 0   |
|   |            | 5 1½                      | 6 0   |
|   |            | 5 1½                      | 6 0   |
|   |            | 5 1½                      | 6 0   |
|   |            | 1½"                       | 1½"   |
|   |            | s. d.                     | s. d. |
|   |            | 7 11                      | 8 11  |
|   |            | 15 7½                     | 16 10 |
| Tongued and grooved and V-jointed on one side boarding as back planted on . . . . . |            |                           |       |
| Cross-tongued top (bearers measured separately) . . . . .                           | "          |                           |       |
| Cross-tongued shelf or bottom (bearers measured separately) . . . . .               | "          |                           |       |
| Cross-tongued division . . . . .  | "          |                           |       |
| Panelled and moulded one side cupboard front . . . . .                              | "          |                           |       |
| Flush ditto . . . . .   | "          |                           |       |
| One-panel door, square both sides . . . . .   | "          |                           |       |
| Flush ditto . . . . .   | "          |                           |       |
| Labour rebate . . . . .   | Ft. run    |                           |       |
| " cross-grain . . . . .   | "          |                           |       |
| Raking cutting . . . . .  | "          |                           |       |
| ½" × 1½" stop screwed on . . . . .  | "          |                           |       |
| 1" × 2" bearers in short lengths screwed on, including ends . . . . .               | "          |                           |       |

**STAIRCASES**

| Item  | Unit       | First-quality English oak |                          | Teak                    |                          |
|---|------------|---------------------------|--------------------------|-------------------------|--------------------------|
|   |            | 1" treads and ¾" risers   | 1½" treads and 1" risers | 1" treads and ¾" risers | 1½" treads and 1" risers |
|   |            | s. d.                     | s. d.                    | s. d.                   | s. d.                    |
| Treads with rounded nosings and risers, properly tongued together, glued, blocked and bracketed on and including fir framed carriages . . . . . | Ft. super. | 12 1                      | 13 0                     | 14 2                    | 15 8                     |
| Cross-tongued winders with rounded nosings and risers, as above (measured net) . . . . .  | "          | 14 0                      | 15 1                     | 16 4                    | 18 0                     |
|   |            | 1" thick                  | 1½" thick                | 1" thick                | 1½" thick                |
|   |            | s. d.                     | s. d.                    | s. d.                   | s. d.                    |
| Cross-tongued landings on and including fir bearers . . . . .   | "          | 6 10                      | 7 8                      | 9 0                     | 10 5                     |
| Nosing, 3", tongued to edge of floor including groove across grain . . . . .  | Ft. run    | 2 1                       | 2 4                      | 2 8                     | 3 0                      |

**Joiner****HARDWOOD JOINERY—continued**

| Item   | Unit    | First-quality English oak |              |              |              | Teak         |              |              |              |
|--|---------|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|  |         | Thickness                 |              |              |              | Thickness    |              |              |              |
|  |         | 1½"                       | 1½"          | 2"           | 1½"          | 1½"          | 1½"          | 2"           |              |
|  |         | <i>s. d.</i>              | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |              |
| <b>STAIRCASES—</b>                                     |         |                           |              |              |              |              |              |              |              |
| <i>continued</i>                                       |         |                           |              |              |              |              |              |              |              |
| Rounded or chamfered wall string plugged to brick-work | Ft. run | 6 10                      | 7 8          | 9 7          | 9 5          | 10 10        | 13 11        |              |              |
| As above, ramped                                       | "       | 11 8                      | 13 2         | 16 7         | 16 7         | 18 4         | 24 2         |              |              |
| Extra for:   |         |                           |              |              |              |              |              |              |              |
| Fitted ends  | No.     | 3 6                       | 4 0          | 5 0          | 4 0          | 5 6          | 7 2          |              |              |
| End framed to newel                                    | "       | 6 7                       | 6 7          | 7 4          | 6 7          | 6 7          | 7 4          |              |              |
| Short ramp   | "       | 18 8                      | 21 1         | 27 2         | 27 2         | 30 6         | 40 4         |              |              |
| Tongued heading joint                                  | "       | 5 9                       | 5 9          | 6 9          | 5 9          | 5 9          | 6 9          |              |              |
| Joint of raking and straight                           | "       | 3 6                       | 4 0          | 5 0          | 4 0          | 5 6          | 7 2          |              |              |
| Rounded outer string                                   | Ft run  | 7 2                       | 7 11         | 9 10½        | 9 10½        | 11 3         | 14 4         |              |              |
| Extra for end framed to newel                          | No      | 6 7                       | 6 7          | 7 4½         | 6 7          | 6 7          | 7 4½         |              |              |
| <hr/>  |         |                           |              |              |              |              |              |              |              |
|  | Unit    | First-quality English oak |              |              |              | Teak         |              |              |              |
|  |         | Thickness                 |              |              |              | Thickness    |              |              |              |
|  |         | ½                         | 1"           | ½            | 1"           | ½            | 1"           | ½            | 1"           |
|  |         | <i>s. d.</i>              | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| 9" apron lining planted on                             | Ft run  | 3 10                      | 4 6          | 5 3          | 6 2          |              |              |              |              |
|  |         | 3" x 3"                   | 4" x 4"      | 3" x 3"      | 4" x 4"      |              |              |              |              |
| Square framed newel                                    | No.     | 4 1½                      | 6 9          | 6 5          | 9 0          |              |              |              |              |
| Rounded top  | "       | —                         | —            | —            | —            |              |              |              |              |
| Extra for rounded and mitred cap or pendant            | "       | 7 9                       | 7 9          | 7 9          | 7 9          |              |              |              |              |
| Ends stubbed to floor                                  | "       | 3 2                       | 3 2          | 3 2          | 3 2          |              |              |              |              |
|  |         | 1" x 1"                   | 1½" x 1½"    | 1" x 1"      | 1½" x 1½"    |              |              |              |              |
| Square balusters                                       | Ft run  | 0 7                       | 0 9          | 0 10         | 1 1          |              |              |              |              |
| Framed ends  | No.     | 0 8                       | 0 8          | 0 8          | 0 8          |              |              |              |              |
| Framed ends on rake                                    | "       | 0 11                      | 0 11         | 0 11         | 0 11         |              |              |              |              |

*Joiner*

**HARDWOOD JOINERY—continued**

| Item   | Unit | First-quality English oak |      | Teak      |      |
|--|------|---------------------------|------|-----------|------|
|  |      | Thickness                 |      | Thickness |      |
|  |      | 1"                        | 1½"  | 1"        | 1½"  |
| <b>STAIRCASES—continued</b>  |      |                           |      |           |      |
| Ends of risers housed and wedged to strings                              | No.  | 2 3                       | 2 3  | 2 3       | 2 3  |
| Ends of treads and risers housed and wedged to strings                   | "    | 4 1½                      | 4 1½ | 4 1½      | 4 1½ |
| Ends of winders and risers housed and wedged                             | "    | 6 3                       | 6 3  | 6 3       | 6 3  |
| Wide ends to strings   | "    | 4 1½                      | 4 1½ | 4 1½      | 4 1½ |
| Narrow ends to newels  | "    | 41 3                      | 44 0 | 41 3      | 44 0 |
| Extra for bull-nosed end to tread with glued, blocked and veneered riser | "    |                           |      |           |      |

| Item   | Unit   | First-quality English oak |       |       | Mahogany |       |       |
|--|--------|---------------------------|-------|-------|----------|-------|-------|
|  |        | 1½"                       | 2½"   | 3"    | 1½"      | 2½"   | 3"    |
|  |        | 2"                        | 3"    | 4"    | 2"       | 3"    | 4"    |
|  |        | s. d.                     | s. d. | s. d. | s. d.    | s. d. | s. d. |
| Rounded hand-rail                                    | Ft run | 2 4½                      | 3 5   | 5 4   | 2 1      | 3 0   | 4 2   |
| Ditto, ramped  | "      | 5 10                      | 8 11  | 14 6  | 5 5      | 6 10  | 10 7  |
| Moulded hand-rail                                    | "      | 2 11                      | 4 0   | 5 10½ | 2 5      | 3 6   | 4 10  |
| Ditto, ramped  | "      | 7 6                       | 10 7  | 16 2  | 6 3      | 8 3   | 12 0  |
| Add to above for sinking to receive iron core-rail   | "      | 0 2                       | 0 3   | 0 3   | 0 2      | 0 3   | 0 3   |
| Mitres   | No.    | 2 3                       | 3 3   | 4 3   | 2 3      | 3 3   | 4 3   |
| Framed ends to newel                                 | "      | 2 0                       | 2 2   | 2 5   | 1 5      | 1 10  | 2 1   |
| Ditto, on rake                                       | "      | 3 8                       | 4 1   | 4 7   | 3 6      | 4 2   | 5 2   |
| Heading joint at junction of level raking and ramped | "      | 6 5                       | 6 5   | 6 5   | 5 9      | 5 9   | 5 9   |

## IRONMONGER

As Ironmongery is largely a matter of selection, the p.c. price included in the "fixed complete" price is indicated in *italics* across the two columns for fixing to softwood (S.) and hardwood (H.) respectively.

*N.B.—The price of doors includes for fixing on butts and the prices below only include for any extra cost of fixing special butts, etc.*

| Item  | Unit | Price        |              |              |              |              |              |
|---|------|--------------|--------------|--------------|--------------|--------------|--------------|
|   |      | 2"           | 2½"          | 3"           | 3½"          | 4"           |              |
|   |      | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |              |
| <b>BUTTS AND HINGES</b>   |      |              |              |              |              |              |              |
| Steel butt hinges to B.S.1227:  |      |              |              |              |              |              |              |
| Medium (Fig. 3)   | Pair | <i>P.c.</i>  | <i>0 3½</i>  | <i>0 3½</i>  | <i>0 6½</i>  | <i>0 8½</i>  | <i>1 0</i>   |
| Heavy (Fig. 1)  | "    | "            | <i>0 4</i>   | <i>0 4</i>   | <i>0 7</i>   | <i>0 9½</i>  | <i>1 1½</i>  |
| Steel skew-butt hinge to B.S.1227 (Fig. 4)                            | "    | "            | <i>0 5½</i>  | <i>0 6½</i>  | <i>0 10½</i> | <i>1 0½</i>  | <i>1 4½</i>  |
| Solid "drawn" brass hinge to B.S.1227, finish:                        | "    | "            | <i>0 6½</i>  | <i>0 7½</i>  | <i>0 11½</i> | <i>1 1½</i>  | <i>1 5½</i>  |
| Sanded brass (Fig. 7)   | "    | "            | —            | —            | 2 5½         | 2 11½        | 3 11         |
| Bronze (Fig. 7)   | "    | "            | —            | —            | 3 5          | 3 11½        | 5 0          |
| Chromium plated (Fig. 7)  | "    | "            | 1 9          | 2 4½         | 3 8          | 5 2          | 7 4          |
| Cast-iron butt hinge to B.S.1227 (Fig. 8)                             | "    | "            | 1 11         | 2 7          | 4 0          | 5 8          | 8 1          |
| Cast-iron loose or lift-off butt hinge to B.S.1227 (Fig. 10)          | "    | "            | 2 2½         | 2 11½        | 4 7          | 6 6          | 9 2          |
| Cast-iron skew-butt hinge to B.S.1227 (Figs. 11 and 12)               | "    | "            | 2 5          | 3 3          | 5 0½         | 7 2          | 10 1         |
| Light mild steel hook and band hinge to B.S.1227 (Fig. 14), finished: | "    | "            | 2 9½         | 3 9½         | 5 10½        | 8 3½         | 11 9         |
| Self-colour   | "    | "            | 3 1          | 4 1½         | 6 6          | 9 1          | 12 11        |
| Galvanized  | "    | "            | 0 8          | 0 10½        | 1 1½         | 1 4½         | 1 9          |
| " (Fig. 10)   | "    | "            | 0 8½         | 0 11½        | 1 2½         | 1 6          | 1 11         |
| " (Figs. 11 and 12)   | "    | "            | 0 9½         | 1 0½         | 1 4½         | 1 9½         | 2 4½         |
| " (Fig. 10)   | "    | "            | 0 10½        | 1 1½         | 1 6½         | 1 11½        | 2 7½         |
| " (Figs. 11 and 12)   | "    | "            | 1 11½        | 2 2½         | 2 8          | 3 3½         | 4 0          |
| " (Fig. 10)   | "    | "            | 2 10½        | 3 2          | 3 7½         | 4 3½         | 5 1          |
|   |      |              | 12"          | 16"          | 18"          | 20"          | 24"          |
|   |      |              | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| Light mild steel hook and band hinge to B.S.1227 (Fig. 14), finished: |      |              |              |              |              |              |              |
| Self-colour   | "    | "            | 1 11         | 3 0½         | 3 4          | 3 8          | 4 5½         |
| Galvanized  | "    | "            | 2 1½         | 3 4          | 3 8          | 4 0          | 4 11         |
| " (Fig. 10)   | "    | "            | 3 6          | 5 7          | 6 2½         | 7 1          | 8 7          |
| " (Figs. 11 and 12)   | "    | "            | 3 10         | 6 1½         | 6 10         | 7 9½         | 9 5          |

*Ironmonger*

| Item  | Unit |             | Price        |              |              |              |              |
|---|------|-------------|--------------|--------------|--------------|--------------|--------------|
|   |      |             | 18"          | 24"          | 30"          | 36"          | 42"          |
|   |      |             | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| <b>BUTTS AND HINGES—</b>  |      |             |              |              |              |              |              |
| <i>continued</i>  |      |             |              |              |              |              |              |
| Heavy mild steel hook and band hinge with folded eye (straight) to B.S. 1227 (Fig. 15), finish: |      |             |              |              |              |              |              |
| Self-colour . . . . .   | Pair | <i>P.c.</i> | 4 8½         | 8 7          | 10 5         | 15 9         | 17 4         |
| " . . . . .   | "    | "           | 5 2          | 9 5          | 11 5½        | 17 4         | 19 1         |
| Galvanized . . . . .  | "    | "           | 7 4          | 13 4½        | 16 3         | 24 5         | 26 9         |
| " . . . . .   | "    | "           | 8 1          | 14 8½        | 17 10½       | 26 10        | 29 5         |
|   |      |             | 6"           | 10"          | 12"          | 16"          | 18"          |
| Japanned steel tee hinge to B.S. 1227 (Fig. 18):  |      |             | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| Medium . . . . .  | "    | "           | 0 10         | 1 1½         | 1 4½         | 2 2½         | 2 7½         |
| " . . . . .   | "    | "           | 0 11         | 1 3          | 1 6½         | 2 5          | 2 10½        |
| Heavy . . . . .   | "    | "           | 0 11         | 1 4½         | 1 10         | 2 7½         | 3 2½         |
| " . . . . .   | "    | "           | 1 0          | 1 6½         | 2 0          | 2 10½        | 3 6½         |



**Ironmonger**

| Item                         | Unit | Price |        |        |       |        |       |       |       |        |         |       |  |
|------------------------------|------|-------|--------|--------|-------|--------|-------|-------|-------|--------|---------|-------|--|
|                              |      | 3"    |        | 4"     |       | 5"     |       | 6"    |       | 7"     |         |       |  |
|                              |      | S.    | H.     | S.     | H.    | S.     | H.    | S.    | H.    | S.     | H.      |       |  |
| <b>BUTTS AND HINGES—</b>     |      |       |        |        |       |        |       |       |       |        |         |       |  |
| <i>continued</i>             |      |       |        |        |       |        |       |       |       |        |         |       |  |
| Single-action spring hinges: | Pair | P. c. |        |        |       |        |       |       |       |        |         |       |  |
| Japanned steel .....         |      |       | 10 6   | 10 6   | 12 7  | 12 7   | 14 8  | 14 8  | 18 1  | 18 1   | 23 1    | 23 1  |  |
| " " " " .....                |      |       | 18 6   | 20 10  | 20 9½ | 23 11½ | 24 10 | 27 8  | 28 7  | 31 6   | 36 11   | 39 3  |  |
| Brass plated on steel .....  |      |       | 13 11½ | 13 11½ | 17 1  | 17 1   | 20 6  | 20 6  | 25 2½ | 25 2½  | 32 6    | 32 6  |  |
| Polished brass .....         |      |       | 22 4   | 24 8   | 25 9  | 28 1   | 31 3  | 34 14 | 36 5  | 39 4   | 46 2    | 49 8  |  |
| " " " " .....                |      |       | 34 1   | 34 1   | 41 6  | 41 6   | 51 6  | 51 6  | 63 0  | 63 0   | 79 3    | 79 3  |  |
| " " " " .....                |      |       | 44 5   | 46 9   | 52 7  | 54 11  | 65 4  | 68 3  | 78 0  | 80 10½ | 97 8    | 101 1 |  |
| Double-action spring hinges  |      |       |        |        |       |        |       |       |       |        |         |       |  |
| Japanned steel .....         |      |       | 15 9   | 15 9   | 18 7  | 18 7   | 22 0  | 22 0  | 26 9  | 26 9   | 34 1    | 34 1  |  |
| " " " " .....                |      |       | 26 0   | 28 11  | 29 2  | 32 0   | 34 8  | 38 1  | 39 10 | 43 4   | 49 8    | 53 9  |  |
| Brass plated on steel .....  |      |       | 30 9   | 30 9   | 35 3  | 35 3   | 38 10 | 38 10 | 37 10 | 37 10  | 47 3    | 47 3  |  |
| Polished brass .....         |      |       | 31 6   | 34 5   | 36 4½ | 39 3   | 42 2  | 45 8  | 52 0  | 55 6   | 64 2    | 68 3  |  |
| " " " " .....                |      |       | 55 3   | 55 3   | 62 6  | 62 6   | 75 7  | 75 7  | 94 6  | 94 6   | 119 9   | 119 9 |  |
| " " " " .....                |      |       | 69 8   | 72 6   | 77 5  | 80 4   | 93 6  | 97 0  | 114 4 | 117 10 | 143 10½ | 148 0 |  |
| Projection                   |      |       |        |        |       |        |       |       |       |        |         |       |  |
| Parliament hinges:           |      |       |        |        |       |        |       |       |       |        |         |       |  |
| Cast-iron .....              |      |       | 1 10   | 1 10   | 2 1½  | 2 1½   | 2 7½  | 2 7½  | 3 5   | 3 5    | 4 8½    | 4 8½  |  |
| " " " " .....                |      |       | 2 0    | 2 0    | 2 4   | 2 4    | 2 10½ | 2 10½ | 3 9   | 3 9    | 5 2     | 5 2   |  |
| Brass .....                  |      |       | —      | —      | 13 8  | 13 8   | 16 9  | 16 9  | 22 0  | 22 0   | —       | —     |  |
| " " " " .....                |      |       | —      | —      | 15 0  | 15 0   | 18 5  | 18 5  | 24 3  | 24 3   | —       | —     |  |

**Ironmonger**

| Item   | Unit    | P.c. | Capacity     | Capacity     |
|--|---------|------|--------------|--------------|
|  |         |      | 4-6 cwt.     | 10-35 cwt.   |
|  |         |      | <i>s. d.</i> | <i>s. d.</i> |
| <b>SLIDING DOOR TRACKS</b>   |         |      |              |              |
| Tubular japanned steel tracks and screwing to softwood . . . . .               | Ft. run |      | 4 9          | 6 2          |
| Side wall-brackets " and screwing to softwood:                                 | "       |      | 6 3          | 8 2          |
| Single . . . . .   | No.     | "    | 1 4          | 1 8          |
| Double . . . . .   | "       | "    | 2 4          | 3 0          |
| Vertical hangers and screwing to softwood . . . . .                            | "       | "    | 22 0         | 26 0         |
| " . . . . .  | "       | "    | 25 6         | 30 4         |
| " . . . . .  | "       | "    | 21 0         | 25 0         |
| " . . . . .  | "       | "    | 26 7         | 32 2         |
| Rolled steel bottom guide with anchors for and letting into concrete . . . . . | Ft. run | "    | 1 6          | 2 0          |
| Under-guide rollers including morticing in and fixing to softwood . . . . .    | "       | "    | 2 2          | 3 0          |
| " . . . . .  | No.     | "    | 1 1          | 1 1          |
| " . . . . .  | "       | "    | 2 11         | 2 11         |
| Detachable locking bar and padlock and screwing to softwood . . . . .          | "       | "    | 18 6         | 18 6         |
| " . . . . .  | "       | "    | 22 1         | 22 1         |

| Item  | Unit | P.c. | For medium doors |              | For extra heavy doors |              |
|---|------|------|------------------|--------------|-----------------------|--------------|
|   |      |      | S                | H.           | S.                    | H            |
|   |      |      | 12"              |              | 12½"                  |              |
| <b>DOOR SPRINGS</b>                             |      |      |                  |              |                       |              |
| Japanned coil door springs . . . . .            | No.  |      | <i>s. d.</i>     | <i>s. d.</i> | <i>s. d.</i>          | <i>s. d.</i> |
| " . . . . .                                     | "    |      | 3 10             | 3 10         | 6 4                   | 6 4          |
| " . . . . .                                     | "    |      | 6 10             | 7 8          | 10 5                  | 11 7         |
|   |      |      | 5"               |              | 8"                    |              |
| Japanned iron regulating door springs . . . . . | "    |      | <i>s. d.</i>     | <i>s. d.</i> | <i>s. d.</i>          | <i>s. d.</i> |
| " . . . . .                                     | "    |      | 9 4              | 9 4          | 14 3                  | 14 3         |
| " . . . . .                                     | "    |      | 15 6             | 17 3         | 28 2                  | 30 5½        |

*Ironmonger*

| Item  | Unit |      | S.          |       | H.           |       |             |       |    |   |    |   |    |   |
|---|------|------|-------------|-------|--------------|-------|-------------|-------|----|---|----|---|----|---|
|   |      |      | £ s. d.     |       | £ s. d.      |       |             |       |    |   |    |   |    |   |
| <b>DOOR SPRINGS—</b>  |      |      |             |       |              |       |             |       |    |   |    |   |    |   |
| <i>continued</i>  |      |      |             |       |              |       |             |       |    |   |    |   |    |   |
| Double-action floor springs and top centres, including filling boxes with neatsfoot oil (letting boxes in floor measured separately): |      |      |             |       |              |       |             |       |    |   |    |   |    |   |
| Brass .....   | No.  | P.c. | 4           | 7     | 5            | 4     | 7           | 5     |    |   |    |   |    |   |
| " .....   | "    | "    | 5           | 10    | 2            | 5     | 14          | 9     |    |   |    |   |    |   |
| Ditto, check action ....  | "    | "    | 7           | 0     | 3            | 7     | 0           | 3     |    |   |    |   |    |   |
| " .....   | "    | "    | 8           | 11    | 8            | 8     | 17          | 6     |    |   |    |   |    |   |
| Chromium plated .....   | "    | "    | 5           | 5     | 1            | 5     | 5           | 1     |    |   |    |   |    |   |
| Ditto, check action ....  | "    | "    | 6           | 9     | 6            | 6     | 14          | 2     |    |   |    |   |    |   |
| " .....   | "    | "    | 8           | 0     | 1            | 8     | 0           | 1     |    |   |    |   |    |   |
| " .....   | "    | "    | 9           | 13    | 6            | 9     | 19          | 3     |    |   |    |   |    |   |
|   |      |      | Light doors |       | Medium doors |       | Heavy doors |       |    |   |    |   |    |   |
|   |      |      | S.          | H.    | S.           | H.    | S.          | H.    |    |   |    |   |    |   |
|   |      |      | s. d.       | s. d. | s. d.        | s. d. | s. d.       | s. d. |    |   |    |   |    |   |
| Overhead door spring and check with gold-bronze finish .....  | "    | "    | 49          | 6     | 49           | 6     | 51          | 8     | 51 | 8 | 72 | 7 | 72 | 7 |
| " .....   | "    | "    | 63          | 1     | 66           | 0     | 65          | 6     | 68 | 5 | 88 | 6 | 91 | 5 |

**Ironmonger**

| Item  | Unit | Light doors         |       | Medium doors                |       | Heavy doors            |       |
|---|------|---------------------|-------|-----------------------------|-------|------------------------|-------|
|   |      | S.                  | H.    | S.                          | H.    | S.                     | H.    |
| <b>BOLTS</b>  |      |                     |       |                             |       |                        |       |
| Tower bolts, strong japanned iron .....                   | No.  | 4"                  |       | 6"                          |       | 12"                    |       |
| " " " " .....   | "    | s. d.               | s. d. | s. d.                       | s. d. | s. d.                  | s. d. |
| " " " " .....   | "    | 1 0                 | 1 0   | 1 5½                        | 1 5½  | 2 4½                   | 2 4½  |
| " " " " .....   | "    | 2 2                 | 2 6   | 2 8½                        | 3 1½  | 4 4                    | 4 11  |
| Barrel bolts, brass .....                                 | "    | 3"                  |       | 6"                          |       | 10"                    |       |
| " " " " .....   | "    | s. d.               | s. d. | s. d.                       | s. d. | s. d.                  | s. d. |
| " " " " .....   | "    | 1 5½                | 1 5½  | 2 2½                        | 2 2½  | 4 7½                   | 4 7½  |
| " " " " .....   | "    | 2 7½                | 3 0   | 3 8                         | 4 1   | 6 10                   | 7 4½  |
| " " " " .....   | "    | 1 6                 | 1 6   | 2 11½                       | 2 11½ | —                      | —     |
| " " " " .....   | "    | 2 9½                | 3 2   | 3 7                         | 4 0½  | —                      | —     |
| Flush lever action bolt to B.S.1228, 8" long .....        | "    | Brass bronze finish |       | Bronze metal antique finish |       | Chromium plated finish |       |
| " " " " .....   | "    | s. d.               | s. d. | s. d.                       | s. d. | s. d.                  | s. d. |
| " " " " .....   | "    | 9 2                 | 9 2   | 10 6                        | 10 6  | 13 7½                  | 13 7½ |
| " " " " .....   | "    | 13 7                | 14 8½ | 15 0½                       | 16 2  | 17 11                  | 19 0½ |
| Monkey-tail garage bolt with bow handle to B.S.1228 ..... | "    | 18"                 |       | 24"                         |       | 30"                    |       |
| Fig. 12 .....   | "    | s. d.               | s. d. | s. d.                       | s. d. | s. d.                  | s. d. |
| " " " " .....   | "    | 8 7½                | 8 7½  | 12 1                        | 12 1  | 14 0                   | 14 0  |
| " " " " .....   | "    | 12 5                | 13 7  | 17 1½                       | 18 6  | 20 1½                  | 21 6  |

## Ironmonger

| Item  | Unit | Price        |       |
|---|------|--------------|-------|
|   |      | S.           | H.    |
| <b>BOLTS—continued</b>                        |      |              |       |
| W.C. indicating bolts:                        | No.  |              |       |
| Polished brass                                | ..   | s. d.        | s. d. |
| Chromium plated                               | ..   | 10 0         | 10 0  |
| "   | ..   | 15 0         | 16 3  |
| "   | ..   | 12 7         | 12 7  |
| "   | ..   | 17 9½        | 19 1  |
| Single doors                                  |      |              |       |
|   |      | S.           | H.    |
|   |      | Double doors |       |
|   |      | S.           | H.    |
| Automatic panic bolts, japanned iron          | ..   | s. d.        | s. d. |
| As above, locking                             | ..   | 47 3         | 59 10 |
| "   | ..   | 63 7         | 79 9  |
| "   | ..   | 105 0        | 117 7 |
| "   | ..   | 125 11       | 145 6 |
| Good quality Medium quality Light quality     |      |              |       |
|   |      | S.           | H.    |
|   |      | S.           | H.    |
|   |      | S.           | H.    |
| <b>LOCKS AND LATCHES</b>                      |      |              |       |
| Norfolk latch, black japanned iron            | ..   | s. d.        | s. d. |
| "   | ..   | 3 8          | 1 11  |
| "   | ..   | 8 8          | 5 0   |
|   |      | 2½"          |       |
|   |      | 3"           |       |
| <b>Straight 2-lever cupboard locks, brass</b> |      |              |       |
|   |      | S.           | H.    |
|   |      | S.           | H.    |
|   |      | S.           | H.    |
|   |      | S.           | H.    |



*Ironmonger*

| Item  | Unit |      | Rim          |              | Mortice      |              |
|---|------|------|--------------|--------------|--------------|--------------|
|   |      |      | S.           | H.           | S.           | H.           |
|   |      |      | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| <b>LOCKS AND LATCHES—<i>contd.</i></b>                |      |      |              |              |              |              |
| Door furniture, <i>per set</i> :                      |      |      |              |              |              |              |
| Ball, polished brass . . . .                          | No.  | P.c. | 10 3         | 10 3         | 10 9         | 10 9         |
| „ „ chromium plated . . . .                           | „    | „    | 12 2         | 12 2         | 12 8         | 12 8         |
| „ „ „ . . . .   | „    | „    | 13 1         | 13 1         | 13 8         | 13 8         |
| „ „ cocus wood . . . . .                              | „    | „    | 15 3         | 15 3         | 15 11        | 15 11        |
| „ „ „ . . . . .                                       | „    | „    | 1 11         | 1 11         | 2 4          | 2 4          |
| „ „ „ . . . . .                                       | „    | „    | 3 0          | 3 0          | 3 5          | 3 5          |
|   |      |      | S.           |              | H.           |              |
|   |      |      | <i>s. d.</i> |              | <i>s. d.</i> |              |
| Finger-plates:  |      |      |              |              |              |              |
| Plain polished brass . . . .                          | „    | „    | 4 2½         |              | 4 2½         |              |
| „ chromium plated . . . . .                           | „    | „    | 5 4          |              | 5 6          |              |
| „ „ „ . . . . .                                       | „    | „    | 6 0          |              | 6 0          |              |
| „ „ „ . . . . .                                       | „    | „    | 7 3          |              | 7 6          |              |
| Cocus wood . . . . .                                  | „    | „    | 1 10         |              | 1 10         |              |
| „ „ „ . . . . .                                       | „    | „    | 2 9          |              | 2 11         |              |
| Lock sets for vertical mortice locks (without locks): |      |      |              |              |              |              |
| Bakelite . . . . .                                    | „    | „    | 4 9          |              | 4 9          |              |
| „ „ . . . . .   | „    | „    | 6 1          |              | 6 1          |              |
| Chromium plated . . . . .                             | „    | „    | 12 1         |              | 12 1         |              |
| „ „ . . . . .   | „    | „    | 14 2         |              | 14 2         |              |

*Ironmonger*

| Item                         | Unit | P.c. | Japanned cast-iron  |       | Brass |       | Chromium plated |       |
|------------------------------|------|------|---------------------|-------|-------|-------|-----------------|-------|
|                              |      |      | S.                  | H.    | S.    | H.    | S.              | H.    |
| <b>SASH FITTINGS</b>         |      |      |                     |       |       |       |                 |       |
| Sash fasteners               | No.  |      | s. d.               | s. d. | s. d. | s. d. | s. d.           | s. d. |
| " centres                    | "    | "    | —                   | —     | 3 8   | 3 8   | 5 3             | 5 3   |
| " lifts                      | "    | "    | —                   | —     | 5 5   | 5 10½ | 7 2             | 7 7½  |
| " " flush                    | "    | "    | —                   | —     | 3 11  | 8 11  | 5 3             | 5 3   |
| " screws, 4"                 | "    | "    | —                   | —     | 1 10  | 1 10  | 2 7½            | 2 7½  |
| " " bow handle, 6"           | "    | "    | —                   | —     | 2 8½  | 2 10½ | 3 0             | 3 0   |
| " Fanlight catches           | "    | "    | —                   | —     | 2 4½  | 2 4½  | 3 8             | 3 8   |
| " Quadrant stays, 9"         | "    | "    | —                   | —     | 4 0   | 4 4   | 5 5             | 5 9   |
| " " "                        | "    | "    | —                   | —     | 1 10  | 1 10  | 2 10½           | 2 10½ |
| " " "                        | "    | "    | —                   | —     | 3 9   | 4 4   | 4 11            | 5 6   |
| " " "                        | "    | "    | —                   | —     | 1 10  | 1 10  | 3 10            | 4 0   |
| " " "                        | "    | "    | —                   | —     | 2 8½  | 2 10½ | 3 10            | 4 0   |
| " " "                        | "    | "    | —                   | —     | 3 11  | 3 11  | 5 6             | 5 6   |
| " " "                        | "    | "    | —                   | —     | 5 4½  | 5 8½  | 7 1             | 7 5   |
| " " "                        | "    | "    | —                   | —     | 4 8½  | 4 8½  | 6 8             | 6 8   |
| " " "                        | "    | "    | —                   | —     | 6 11  | 7 6   | 9 1             | 9 8   |
|                              |      |      | B.B. malleable iron |       |       |       |                 |       |
| Casement stays:              |      |      | s. d.               | s. d. |       |       |                 |       |
| 10" with two pins            | "    | "    | 1 10                | 1 10  | 7 4   | 7 4   | 10 3            | 10 3  |
| 12" with one pin             | "    | "    | 3 1                 | 3 5   | 9 1½  | 9 5½  | 12 4            | 12 8  |
| " fastener and mortice plate | "    | "    | 1 10                | 1 10  | 7 4   | 7 4   | 10 3            | 10 3  |
| " " "                        | "    | "    | 3 1                 | 3 5   | 9 1½  | 9 5½  | 12 4            | 12 8  |
| " " "                        | "    | "    | 1 0½                | 1 0½  | 5 3   | 5 3   | 7 10            | 7 10  |
| " " "                        | "    | "    | 2 2½                | 2 6½  | 6 10  | 7 2   | 9 8             | 10 0  |



**Ironmonger**

| Item                            | Unit | White |       | Chromium-plated |       |
|---------------------------------|------|-------|-------|-----------------|-------|
|                                 |      | S.    | H.    | S.              | H.    |
| <b>SUNDY IRONMONGERY</b>        |      |       |       |                 |       |
| Numerals, 2" .....              | No.  | s. d. | s. d. | s. d.           | s. d. |
| " .....                         | "    | 0 8½  | 0 8½  | 0 9½            | 0 9½  |
| " .....                         | "    | 1 1½  | 1 2½  | 1 2½            | 1 4   |
| P.c.                            |      |       |       |                 |       |
| Postal knocker and handle ..... | "    | s. d. | s. d. | s. d.           | s. d. |
| " .....                         | "    | 3 8   | 12 1  | 16 3            | 24 3  |
| Centre door knob, 3" .....      | "    | 11 0  | 18 6  | 18 8½           | 24 10 |
| " .....                         | "    | 6 10  | 18 10 | 22 0            | 22 0  |
| Door handle, 15" x 2½" .....    | "    | 9 10  | 22 5  | 25 11½          | 26 6½ |
| " .....                         | "    | —     | 25 2  | 32 6            | 32 6  |
| " .....                         | "    | —     | 29 5  | 37 6            | 38 1  |
| Hat-and-coat hook .....         | "    | —     | 2 7½  | 3 8             | 3 8   |
| " .....                         | "    | —     | 3 3   | 4 4             | 4 6   |
| " .....                         | "    | —     | 3 8   | 4 8½            | 4 8½  |
| Cupboard catch .....            | "    | —     | 5 9   | 6 7             | 7 2   |
| " .....                         | "    | —     | 3 2   | 4 5½            | 4 5½  |
| Shutter knob .....              | "    | —     | 3 10  | 3 11½           | 4 5½  |
| " .....                         | "    | —     | 4 2½  | 5 3             | 5 3   |
| Cupboard turn .....             | "    | —     | 5 9½  | 6 11            | 7 4   |
| " .....                         | "    | —     | 0 8½  | 1 2½            | 1 2½  |
| Drawer pull .....               | "    | —     | 1 1½  | 1 8             | 1 9½  |
| " .....                         | "    | —     | —     | —               | —     |

B B. malleable iron

Brass

Chromium-plated

**Ironmonger**

| Item   | Unit | B.B. malleable iron |       | Brass   |       | Chromium-plated |        |
|--|------|---------------------|-------|---------|-------|-----------------|--------|
|  |      | S.                  | H.    | S.      | H.    | S.              | H.     |
| <b>SUNDRY IRONMONGERY—continued</b>                                      |      |                     |       |         |       |                 |        |
| Flush handle .....   | No.  | s. d.               | s. d. | s. d.   | s. d. | s. d.           | s. d.  |
| Flush ring catches .....   | "    | —                   | —     | 2 4½    | 2 4½  | 3 8             | 3 8    |
| Cup hook .....   | "    | —                   | —     | 4 4     | 4 11  | 5 9             | 5 6 4½ |
| Medium cabin hook, 4" .....  | "    | —                   | —     | 4 4     | 4 2½  | 5 6             | 5 8 4½ |
| " .....  | "    | —                   | —     | 6 4½    | 6 11½ | 7 9½            | 7 8 4½ |
| " .....  | "    | —                   | —     | 0 7½    | 0 7½  | 0 4½            | 0 4½   |
| " .....  | "    | —                   | —     | 0 2½    | 0 3   | 0 6             | 0 6    |
| " .....  | "    | 1 10                | 1 10  | 3 8     | 3 8   | —               | —      |
| " .....  | "    | 2 10½               | 3 2   | 4 11    | 5 2   | —               | —      |
| Size   |      |                     |       |         |       |                 |        |
|  |      | 5" x 4"             |       | 8" x 6" |       | 10" x 8"        |        |
| Shelf brackets, japanned steel .....                                     | "    | s. d.               | s. d. | s. d.   | s. d. | s. d.           | s. d.  |
| " .....  | "    | 0 5½                | 0 5½  | 0 8½    | 0 8½  | 0 10½           | 0 10½  |
| Iron dowels and mortices .....   | "    | 1 2                 | 1 4   | 1 6     | 1 8   | 1 8             | 1 10   |
| Nominal capacity in cubic feet   |      |                     |       |         |       |                 |        |
|  |      | 1                   |       | 2       |       | 3½              |        |
| Dustbins, galvanized mild steel to B S.792 and placing in position ..... | "    | s. d.               | s. d. | s. d.   | s. d. | s. d.           | s. d.  |
| " .....  | "    | —                   | —     | —       | 32 6  | 38 10           | 38 10  |



**Steel and Ironworker**

| Item   | Unit | Price |
|--|------|-------|
| <b>STEELWORK IN STEEL-FRAMED STRUCTURES—continued</b>  |      |       |
| Solid steel columns including weight of caps and bases .....   | Cwt. | 3 6 0 |
| Rolled channels, angles and tees cut to lengths. . .   | "    | 2 1 0 |
| Riveted roof trusses consisting of flat and angle members and including gusset plates, purlin cleats, and sole plates: |      |       |
| Spans not over 30' 0" .....  | "    | 3 9 3 |
| " over 30' 0" and not over 35' 0" .....  | "    | 3 7 0 |
| " " 35' 0" " " 40' 0" .....  | "    | 3 6 0 |
| Cleats, brackets, packing pieces, etc., forming connections, including rivets and bolts.....                           | "    | 4 9 3 |

| Item  | Unit | Diameter                          |              |                   |     |
|---|------|-----------------------------------|--------------|-------------------|-----|
|   |      | ½"                                | ¾"           | 1"                | 1½" |
| Screw bolts, including heads, nuts, washers.....                  | Cwt. | Average £3 15s. 0d. all diameters |              |                   |     |
|   |      | Up to ¾" thickness                |              | Over ¾" thickness |     |
|   |      | s. d.<br>2 7½                     | s. d.<br>3 8 |                   |     |
| Site drilling of steelwork for screw bolts of all diameters ..... | No.  | ½"                                | ¾"           | 1"                | 1½" |
|   |      | Average £2 17s. 6d.               |              |                   |     |
| Holding-down bolts and nuts ....                                  | Cwt. | s. d.<br>27 6                     |              |                   |     |
| One coat of red oxide paint at works on steelwork .....           | Ton  | s. d.<br>27 6                     |              |                   |     |

| Item   | Unit | Price  |
|--|------|--------|
| <b>BEARING BARS, ETC.</b>                            |      |        |
| Cambered bearing bars with caulked ends, and fixing: |      |        |
| 2" x ½" .....  | Cwt. | 2 18 2 |
| 2½" x ¾" .....                                       | "    | 2 14 9 |
| Flat and caulked and cambered chimney bars:          |      |        |
| 2" x ½" .....  | "    | 3 4 10 |
| 2½" x ¾" .....                                       | "    | 3 1 5  |
| Ends split and caulked.....                          | No.  | 0 0 6½ |

**Steel and Ironworker**

| Item   | Unit    | Price |    |                  |
|--|---------|-------|----|------------------|
|  |         | £     | s. | d.               |
| <b>MAT FRAMES</b>  |         |       |    |                  |
| Rim to mat sinking of $\frac{1}{2}$ " $\times$ $1\frac{1}{2}$ " flat bar with lugs and forged and bent angles and welded joints and fixing and bedding in cement mortar . . .                                  | Ft. run | 0     | 3  | 2                |
| <b>CAT LADDERS</b>   |         |       |    |                  |
| Framed and riveted cat ladders comprising $2$ " $\times$ $\frac{3}{4}$ " flat strings and $\frac{3}{4}$ " diameter rungs at $10$ " centres, framed to strings . . . . .  | Cwt.    | 4     | 15 | 4                |
| Ends of strings:   |         |       |    |                  |
| Forged and bent and holed for fixing . . . .   | No.     | 0     | 1  | 8                |
| Split and caulked for building-in . . . . .  | "       | 0     | 0  | 6 $\frac{1}{2}$  |
| Forged quadrant-shape . . . . .  | "       | 0     | 2  | 9                |
| " semi-circular . . . . .  | "       | 0     | 4  | 11 $\frac{1}{2}$ |
| $1\frac{1}{2}$ " $\times$ $\frac{3}{4}$ " side stay to ladders $15$ " long, one end caulked and split for building-in and the other bolted to ladder string, including all holes, bolts, and nuts . . . . .    | "       | 0     | 3  | 0                |
| <b>BALUSTRADES</b>   |         |       |    |                  |
| $\frac{3}{4}$ " $\times$ $\frac{3}{4}$ " square balusters and $1\frac{1}{4}$ " $\times$ $1\frac{1}{4}$ " square newel in balustrade . . . . .  | Cwt.    | 4     | 4  | 0                |
| Ends of $\frac{3}{4}$ " $\times$ $\frac{3}{4}$ " balusters framed at one end to core-rail, including all drilling and tapping of balusters and drilling and countersinking core-rail and screwing up . . . . . | No.     | 0     | 0  | 9 $\frac{1}{2}$  |
| As above, but to raking core-rail . . . . .  | "       | 0     | 1  | 0 $\frac{1}{2}$  |
| Ends of $1\frac{1}{4}$ " $\times$ $1\frac{1}{4}$ " newels framed at one end to core-rail as described above . . . . .  | "       | 0     | 1  | 7                |
| Ends of $\frac{3}{4}$ " $\times$ $\frac{3}{4}$ " balusters ragged and let into mortices and run with blue lead . . . . .   | "       | 0     | 0  | 9 $\frac{1}{2}$  |
| Ends of $1\frac{1}{4}$ " $\times$ $1\frac{1}{4}$ " newel as above . . . . .  | "       | 0     | 1  | 0 $\frac{1}{2}$  |
| Flat bar core-rail, $1\frac{1}{2}$ " $\times$ $\frac{3}{4}$ " fixed level or raking . .  | Ft. run | 0     | 3  | 11               |
| End of core-rail split and caulked and let into brickwork . . . . .  | No.     | 0     | 0  | 6 $\frac{1}{2}$  |
| Forged palm-shaped ends to core-rail as newel caps . . . . .   | "       | 0     | 3  | 8                |
| Forged curtail ends to core-rail . . . . .   | "       | 0     | 6  | 0 $\frac{1}{2}$  |
| Forged ramps at junction of raking and level core-rail . . . . .   | "       | 0     | 4  | 11 $\frac{1}{2}$ |
| Forged quadrant-shaped wreaths at junction of raking core-rails at right-angles . . . . .  | "       | 0     | 7  | 4                |
| Forged semi-circular shaped wreaths at junction of raking core-rails around well hole . . . . .  | "       | 0     | 8  | 5                |
| Forged level quadrant bends to core-rail . . . . .   | "       | 0     | 3  | 5                |

*Steel and Ironworker*

| Item  | Unit    | Price   |
|---|---------|---------|
|   |         | £ s. d. |
| <b>RAILINGS</b>   |         |         |
| Unclimbable boundary railing 5' 6" high above ground, constructed in panels 8' 0" long, and formed of two 1½" × ½" horizontal rails and ½" diameter plain pointed verticals at 4½" centres and with 1½" × ½" flat bar standards at 8' 0" centres with base-plate for concrete and each standard fitted with one 1½" × ½" raking stay with base-plate for concrete. Each panel fitted with two intermediate supports bolted to underside of bottom rail and ends prepared for concrete ..... | Ft. run | 1 5 2½  |
| <b>BOLTS, TIE-RODS, AND STRAPS</b>  |         |         |
| Screw bolts, ½" diameter, with heads, nuts, and washers, and fixing .....   | Cwt.    | 8 14 8  |
| Forged roof straps, 2" × ½", holed for bolts (fixing by Carpenter measured separately) ..   | ..      | 5 7 3   |
| <i>Extra for</i>  |         |         |
| Forged ends, threaded and fitted with nut and washer ..   | No.     | 0 1 11  |
| Ends flattened and holed for gibs and cotters ..  | ..      | 0 3 4   |
| Forged three-way roof straps, 2" × ½", holed for bolts (fixing by Carpenter measured separately) ..   | Cwt.    | 5 7 3   |
| <b>SUNDRIES</b>   |         |         |
| Rag bolts with nuts and washers (mortices measured separately)  |         |         |
| 5" × ½" .....   | No.     | 0 0 11  |
| 6" × ½" .....   | ..      | 0 1 2   |
| 9" × ½" .....   | ..      | 0 1 10½ |
| Plate corbels, 2" × ½", weighing 5 lb each (cutting and pinning measured separately) ..   | ..      | 0 3 3   |
| Sets of gibs and cotters (fixing by Carpenter measured separately) .....  | ..      | 0 6 0   |
| <b>GUARD RAILS</b>  |         |         |
| 1½" diameter light-weight galvanized steel tubing to B.S.1387 Class A, with screwed joints and fixing as rails or standards .....   | Ft. run | 0 2 4½  |
| <i>Extra on above for:</i>  |         |         |
| Fire bend .....   | No.     | 0 3 8   |
| Malleable elbow .....   | ..      | 0 2 4½  |
| .. tee .....  | ..      | 0 2 10½ |
| .. side outlet elbow ..   | ..      | 0 3 2   |
| .. " " tee .....  | ..      | 0 3 8   |
| .. crosses .....  | ..      | 0 3 5   |
| Ends of rail split and caulked .....  | ..      | 0 0 9½  |
| Circular flanged ends holed for rag bolts (measured separately) .....   | ..      | 0 3 5   |

**Steel and Ironworker**

It was impossible to obtain any information from the trade with regard to prices for metal windows. The price for fixing only is given here and the reader must obtain separate prices for each job, adding 10% for profit, etc., before adding the fixing rates given below.

| Item  | Unit | Height                     |                                       |                            |                                       |
|---|------|----------------------------|---------------------------------------|----------------------------|---------------------------------------|
|   |      | 2' 0½"                     |                                       | 4' 0"                      |                                       |
|   |      | Without<br>glazing<br>bars | With<br>horizontal<br>glazing<br>bars | Without<br>glazing<br>bars | With<br>horizontal<br>glazing<br>bars |
|   |      | <i>s. d.</i>               | <i>s. d.</i>                          | <i>s. d.</i>               | <i>s. d.</i>                          |
| <b>METAL WIN-<br/>DOWS</b>  |      |                            |                                       |                            |                                       |
| Fixing only standard metal windows to B.S.990, including cutting and pinning lugs to brickwork and bedding frames in cement mortar, and grouting in solid all round and pointing in mastic cement one side: |      |                            |                                       |                            |                                       |
| <i>Domestic Type:</i>   |      |                            |                                       |                            |                                       |
| <i>Nominal Type</i>   |      |                            |                                       |                            |                                       |
| <i>width no.</i>  |      |                            |                                       |                            |                                       |
| 11" NE6 ..  | No.  | <i>P.c.</i>                |                                       |                            |                                       |
| 11" NE6F ..   | "    | "                          | 3 2                                   | —                          | —                                     |
| 1' 8" NE5 ..  | "    | "                          | 3 2                                   | —                          | —                                     |
| 1' 8" NE5F ..   | "    | "                          | 4 1½                                  | —                          | —                                     |
| 1' 8" NE1 ..  | "    | "                          | 4 1½                                  | —                          | —                                     |
| 1' 8" NE51 ..   | "    | "                          | 4 1½                                  | —                          | —                                     |
| 3' ¾" NE2 ..  | "    | "                          | 4 9                                   | —                          | —                                     |
| 3' ¾" NE52 ..   | "    | "                          | 4 9                                   | —                          | —                                     |
| 4' 10½" NE3 ..  | "    | "                          | 6 4                                   | —                          | —                                     |
| 6' 6½" NE11 ..  | "    | "                          | 9 6                                   | —                          | —                                     |
| 11" ND6 ..  | "    | "                          | —                                     | —                          | 4 9                                   |
| 11" ND6F ..   | "    | "                          | —                                     | —                          | 4 9                                   |
| 1' 8" ND5 ..  | "    | "                          | —                                     | —                          | 6 2                                   |
| " ..  | "    | "                          | —                                     | —                          | —                                     |

**Steel and Ironworker**

| Item                       | Unit       | Height                          |  |                                 |  |
|----------------------------|------------|---------------------------------|--|---------------------------------|--|
|                            |            | 2' 0½"                          |  | 4' 0"                           |  |
|                            |            | With-<br>out<br>glazing<br>bars | With<br>hori-<br>zontal<br>glazing<br>bars | With-<br>out<br>glazing<br>bars | With<br>hori-<br>zontal<br>glazing<br>bars |
|                            |            | <i>s. d.</i>                    | <i>s. d.</i>                               | <i>s. d.</i>                    | <i>s. d.</i>                               |
| <b>METAL WIN-</b>          |            |                                 |  |                                 |  |
| <b>DOWS—contd.</b>         |            |                                 |  |                                 |  |
| <i>Domestic Type (con-</i> |            |                                 |  |                                 |  |
| <i>tinued):</i>            |            |                                 |  |                                 |  |
| <i>Nominal Type</i>        |            |                                 |  |                                 |  |
| <i>width</i>               | <i>no.</i> | <i>No.</i>                      | <i>P.c.</i>                                |                                 |  |
| 1' 8"                      | ND5F ..    | "                               | "  | —                               | —  |
| 1' 8"                      | ND5E ..    | "                               | "  | —                               | 6 2  |
| 1' 8"                      | ND1 ..     | "                               | "  | —                               | 6 2  |
| 3' ¾"                      | ND2F ..    | "                               | "  | —                               | 6 2  |
| 3' ¾"                      | ND2 ..     | "                               | "  | —                               | 9 6  |
| 4' 10½"                    | ND4F ..    | "                               | "  | —                               | 9 6  |
| 4' 10½"                    | ND4 ..     | "                               | "  | —                               | 11 1                                       |
| 6' 6½"                     | ND11F ..   | "                               | "  | —                               | 11 1                                       |
| 6' 6½"                     | ND11 ..    | "                               | "  | —                               | 16 9                                       |
| 11"                        | HE6 ..     | "                               | "  | —                               | 16 9                                       |
| 11"                        | HE6F ..    | "                               | "  | —                               | 3 2  |
| 1' 8"                      | HE5 ..     | "                               | "  | —                               | 3 2  |
| 1' 8"                      | HE5F ..    | "                               | "  | —                               | 4 1½                                       |
| 1' 8"                      | HE1 ..     | "                               | "  | —                               | 4 1½                                       |
| 1' 8"                      | HE51 ..    | "                               | "  | —                               | 4 1½                                       |
| 3' ¾"                      | HE2 ..     | "                               | "  | —                               | 4 1½                                       |
| 3' ¾"                      | HE52 ..    | "                               | "  | —                               | 4 9  |
| 4' 10½"                    | HE3 ..     | "                               | "  | —                               | 4 9  |
| 6' 6½"                     | HE11 ..    | "                               | "  | —                               | 6 4  |
| 11"                        | HD6 ..     | "                               | "  | —                               | 9 6  |
| 11"                        | HD6F ..    | "                               | "  | —                               | —  |
| "                          | " ..       | "                               | "  | —                               | —  |
| "                          | " ..       | "                               | "  | —                               | 4 9  |
| "                          | " ..       | "                               | "  | —                               | 4 9  |



*Steel and Ironworker*

| Item                                    | Unit | Height                          |  |                                 |  |
|---|------|---------------------------------|--|---------------------------------|--|
|   |      | 2' 0½"                          |  | 4' 0"                           |  |
|   |      | With-<br>out<br>glazing<br>bars | With<br>hori-<br>zontal<br>glazing<br>bars | With-<br>out<br>glazing<br>bars | With<br>hori-<br>zontal<br>glazing<br>bars |
| <b>METAL WIN-<br/>DOWS—contd.</b>       |      | <i>s. d.</i>                    | <i>s. d.</i>                               | <i>s. d.</i>                    | <i>s. d.</i>                               |
| <i>Domestic Type (con-<br/>tinued):</i> |      |                                 |  |                                 |  |
| <i>Nominal Type<br/>width no.</i>       |      |                                 |  |                                 |  |
| 1' 8" HD5 ..                            | No   | P.c.                            | —  | —                               | 6 2  |
| 1' 8" HD5F ..                           | "    | "                               | —  | —                               | 6 2  |
| 1' 8" HD5E ..                           | "    | "                               | —  | —                               | 6 2  |
| 1' 8" HD1 ..                            | "    | "                               | —  | —                               | 6 2  |
| 3' 3¼" HD2F ..                          | "    | "                               | —  | —                               | 9 6  |
| 3' 3¼" HD2 ..                           | "    | "                               | —  | —                               | 9 6  |
| 4' 10½" HD4F ..                         | "    | "                               | —  | —                               | 11 1                                       |
| 4' 10½" HD4 ..                          | "    | "                               | —  | —                               | 11 1                                       |
| 6' 6½" HD11F ..                         | "    | "                               | —  | —                               | 16 9                                       |
| 6' 6½" HD11 ..                          | "    | "                               | —  | —                               | 16 9                                       |
| " " ..                                  | "    | "                               | —  | —                               | 16 9                                       |
| <i>Industrial Type:</i>                 |      |                                 |  |                                 |  |
| <i>Width:</i>                           |      |                                 |  |                                 |  |
| 2' 2½", fixed light                     | "    | "                               | <i>s. d.</i>                               | <i>s. d.</i>                    |  |
| 2' 2½", 4" square<br>opening light      | "    | "                               | 6 4  | 11 1                            |  |
| 3' 3", fixed light                      | "    | "                               | 6 4  | 11 1                            |  |
| 3' 3", 6" square<br>opening light       | "    | "                               | 10 5                                       | 16 9                            |  |
| 4' 3¼", fixed light                     | "    | "                               | 10 5                                       | 16 9                            |  |
| 4' 3¼", 4" square<br>opening light      | "    | "                               | 13 7                                       | 21 10                           |  |
| 5' 3", fixed light                      | "    | "                               | 13 7                                       | 21 10                           |  |
| 5' 3", 6" square<br>opening light       | "    | "                               | 16 9                                       | 26 8                            |  |
| " " "                                   | "    | "                               | 16 9                                       | 26 8                            |  |
|   |      |                                 | 4' 9" (three<br>squares high)              | 7' 10" (five<br>squares high)   |  |

*Steel and Ironworker*

| Item   | Unit | 2' 0"        | 2' 3"        | 2' 6"        | 2' 9"        | 3' 0"        |
|--|------|--------------|--------------|--------------|--------------|--------------|
|  |      | wide         | wide         | wide         | wide         | wide         |
|  |      | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| <b>STEEL DOOR FRAMES</b>   |      |              |              |              |              |              |
| Pressed steel door frames to B.S.1245 in 16 B.G. mild steel, 6' 6" high, and fixing, including building-in lugs, grouting in cement mortar to back of frames and bedding bottom tie in floor screed. |      |              |              |              |              |              |
| Internal   | No.  | 37 8         | 38 2         | 38 7         | 39 0         | —            |
| External, and including pointing all round outside with mastic cement  | „    | —            | —            | 44 9         | —            | —            |

## PLASTERER

| Item   | Unit       | Price                                    |
|--|------------|--|
| <b>EXPANDED METAL LATHING</b>  |            |  |
| <i>s. d.</i>   |            |  |
| No. 24 gauge expanded metal lathing to B.S.1369, type "a", and fixing to soffit of fir joists at 14" centres ..... | Yd. super. | 3 10                                     |
| <i>As above</i> to sloping soffit of ceiling joists .....  | "          | 3 10                                     |
| <i>As above</i> to beams, etc., in narrow widths .....   | Ft. super. | 0 7                                      |
| <i>Add to above items</i> if wired to metal .....  | Yd. super. | 0 5½                                     |
| Raking cutting .....   | Ft. run    | 0 3½                                     |
| Circular cutting .....   | "          | 0 5½                                     |
| Strip of expanded metal lathing 3" wide and nailing to fir studding .....  | "          | 0 3½                                     |
| <b>LIME PLASTERING</b>   |            |  |
| Rough rendering behind skirtings, panelling, etc.  | Yd. super. | 1 7½                                     |
| Rendering, floating, and setting on brick walls and partitions .....   | "          | 4 4                                      |
| <i>As above</i> in narrow widths and small quantities  | Ft. super. | 0 9½                                     |
| <i>Add to above items for</i>  |            |  |
| Circular on plan to flat sweep .....   | %          | 12½                                      |
| " " quick " .....  | %          | 20                                       |
|  | Unit       | Soffit of concrete floors (hacking M.S.) |
|  |            | Soffit of expanded metal (M.S.)          |
|  |            | <i>s. d.</i>                             |
| Rendering, floating, and setting....   | Yd. super. | 4 4                                      |
| <i>As above</i> in narrow widths and small quantities.....   | Ft. super. | 0 9½                                     |
| <i>As above</i> , but sloping.....   | Yd. super. | 4 4                                      |
| <i>As above</i> , but sloping, in narrow widths and small quantities ...   | Ft. super. | 0 9½                                     |
|  | Unit       | Price                                    |
|  |            | <i>s. d.</i>                             |
| Lathing, plastering, floating, and setting ceiling.  | Yd. super. | 7 9                                      |
| <i>As above</i> in narrow widths .....   | Ft. super. | 1 4                                      |
| <i>As above</i> , but sloping .....  | Yd. super. | 7 9                                      |
| " " " in narrow widths .....   | Ft. super. | 1 4                                      |
| Labour slightly rounded arris .....  | Ft. run    | 0 3                                      |
| Labour quirk .....   | "          | 0 3½                                     |
| Labour fair edge and arris.....  | "          | 0 3½                                     |
| Making good plastering up to metal frame .....   | "          | 0 1                                      |
| Rendering, floating, and setting to reveal, including arris:   |            |  |
| 3" wide .....  | "          | 0 6                                      |
| 6" .....   | "          | 0 9½                                     |
| <i>Extra for angle and 3" wings in Keene's cement</i> .....  | "          | 0 11                                     |

**Plasterer**

| Item   | Unit                         | Price                                   |  |
|--|------------------------------|---|--|
| <b>HARD WALL PLASTERING</b>  |                              |   | <i>s. d.</i>   |
| Rendering in cement and sand (1:4) and setting in Sirapite on brick walls or partitions..... | Yd. super.                   | 3                                       | 6½   |
| <i>As above</i> in narrow widths or small quantities   | Ft. super.                   | 0                                       | 7½   |
| <i>Add to above for:</i>   |                              |   |  |
| Circular on plan to flat sweep.....  | %                            |   | 12½  |
| "    "    quick " .....  | %                            |   | 20   |
|  | Unit                         | Soffit of concrete floor (hacking M S.) | Soffit of expanded metal (including additional pricking-up coat) |
| Rendering and setting on .....   | Yd. super.                   | <i>s. d.</i>                            | <i>s. d.</i>   |
| <i>As above</i> in narrow widths or small quantities .....                                   | Ft. super.                   | 3 6½                                    | 4 8  |
| <i>As above</i> , but sloping .....  | Yd. super.                   | 0 7½                                    | 0 10   |
| <i>As above</i> , but sloping, in narrow widths or small quantities ....                     | Ft. super.                   | 3 6½                                    | 4 8  |
|  | Ft. super.                   | 0 7½                                    | 0 10   |
|  | Unit                         | Price                                   |  |
| Labour slightly rounded arris .....  | Ft. run                      | <i>s. d.</i>                            |  |
| Labour quirk .....   | "                            | 0 3                                     |  |
| Labour fair edge and arris. ....   | "                            | 0 3½                                    |  |
| Making good plastering up to metal frame ....  | "                            | 0 1                                     |  |
| Rendering and setting to reveal, including arris:  |                              |   |  |
| 3" wide .....  | "                            | 0 5½                                    |  |
| 6" " .....   | "                            | 0 8                                     |  |
| <b>CORNICES</b>  |                              |   |  |
| Plaster-moulded cornice or cove <i>per inch in girth</i>                                     | Ft. run                      | 0                                       | 4  |
| <i>Add to above for:</i>   |                              |   |  |
| Circular on plan to flat sweep.....  | %                            |   | 12½  |
| "    "    quick " .....  | %                            |   | 20   |
| Stopped ends .....   | as 6" of straight cornice    |   |  |
| Mitres (internal and external) .....   | as 1' 0" of straight cornice |   |  |
| Return moulded ends.....   | as 1' 6" of straight cornice |   |  |
| <b>KEENE'S CEMENT</b>  |                              |   |  |
| Rendering in cement and sand (1 : 4) and setting in Keene's cement .....                     | Yd. super.                   | 4                                       | 5½   |
| <i>As above</i> in narrow widths or small quantities.  | Ft. super.                   | 0                                       | 10   |
| Labour slightly rounded arris .....  | Ft. run                      | 0                                       | 3  |
| Labour quirk .....   | "                            | 0                                       | 3½   |
| Labour fair edge and arris.....  | "                            | 0                                       | 4½   |
| Making good plastering up to metal frame ....  | "                            | 0                                       | 1½   |
| Rendering and setting to reveal, including arris:  |                              |   |  |
| 3" wide .....  | "                            | 0                                       | 6  |
| 6" " .....   | "                            | 0                                       | 9  |

**Plasterer**

| Item   | Unit                          | Price        |
|--|-------------------------------|--------------|
| <b>KEENE'S CEMENT—continued.</b>   |                               |              |
|  |                               | <i>s. d.</i> |
| ½" square or chamfered skirting, 3" high, with arris and fair edge .....   | Ft. run                       | 1 1          |
| <i>Add to above for:</i>   |                               |              |
| Each additional inch in height .....   | "                             | 0 1½         |
| <i>Extra for:</i>  |                               |              |
| External or internal angle .....   | as 1' 0" of straight skirting |              |
| Returned ends .....  | as 1' 6" of straight skirting |              |
| ½" moulded skirting, 3" high, with arris and fair edge .....   | Ft. run                       | 1 6          |
| <i>Add to above for:</i>   |                               |              |
| Each additional inch in height .....   | "                             | 0 1½         |
| <i>Extra for:</i>  |                               |              |
| External or internal angle .....   | As 1' 0" of straight skirting |              |
| Returned ends .....  | As 1' 6" of straight skirting |              |
| <b>PLASTER-BOARD</b>   |                               |              |
| ½" gypsum plaster-board and fixing with 1½" galvanized nails, joints covered in accordance with manufacturers' instructions and finished with a setting coat of retarded hemi-hydrated or haru wall plaster, total thickness ½": |                               |              |
| To studding (vertically) .....   | Yd. super                     | 6 0          |
| To wood ceiling joists .....   | "                             | 6 0          |
| " " " " sloping .....  | "                             | 6 0          |
| <i>As above in narrow widths and small quantities:</i>   |                               |              |
| To studding (vertically) .....   | Ft. super.                    | 1 1          |
| To wood ceiling joists .....   | "                             | 1 1          |
| Circular cutting on plaster-board .....  | Ft. run                       | 0 4          |
| Labour arris .....   | "                             | 0 3          |
| ½" gypsum wall board to B.S. 1230 and fixing to vertical fir studs with 1½" galvanized flat-headed nails and including scrimming joints with jute scrim ready to receive decoration. . .   | Yd. super.                    | 3 11         |
| Ditto in narrow widths or small quantities ..  | Ft. super.                    | 0 7½         |
| Ditto and fixing to flat or sloping fir soffits ..   | Yd. super.                    | 4 1          |
| Ditto in narrow widths or small quantities ..  | Ft. super.                    | 0 8          |
| Raking cutting .....   | Ft. run                       | 0 3          |
| Circular cutting .....   | "                             | 0 3          |
| <b>PLAIN FACE</b>  |                               |              |
| Portland cement and sand (1 3) plain face trowelled smooth on brick walls or partitions ..   | Yd. super.                    | 4 1          |
| <i>As above in narrow widths or small quantities.</i>  | Ft. super.                    | 0 9          |
| Labour arris .....   | Ft. run                       | 0 3          |
| Labour fair edge and arris .....   | "                             | 0 3½         |
| Making good up to metal window .....   | "                             | 0 1½         |
| Plain face to reveal including arris:  |                               |              |
| 3" wide .....  | "                             | 0 6          |
| 6" .....   | "                             | 0 9          |
| <i>Add to above for:</i>   |                               |              |
| First coat in water-repellent cement. ....   | Yd. super.                    | 0 2½         |
| Finishing coat in white cement .....   | "                             | 1 6          |

**Plasterer**

| Item  | Unit       | Price        |
|---|------------|--------------|
| <b>ROUGH-CAST OR PEBBLE-DASH</b>  |            | <i>s. d.</i> |
| Rendering in cement and sand (1 : 4) on brick walls and rough-cast with fine shingle or pebbles dashed on rendering . . . . .                             | Yd. super. | 3 10½        |
| <i>As above in narrow widths or small quantities.</i>   | Ft. super. | 0 8½         |
| Reveal:   |            |              |
| 3" wide . . . . .   | Ft. run    | 0 6          |
| 6" wide . . . . .   | "          | 0 9          |
| <b>TYROLEAN RENDERING</b>   |            |              |
| Rendering in cement, lime, and sand (1 : 1 : 8) and finishing with three coats Cullamix preparation applied with approved hand-operated machine . . . . . | Yd. super. | 6 1          |
| <i>As above in narrow widths or small quantities.</i>   | Ft. super. | 1 2          |
| Labour arris . . . . .  | Ft. run    | 0 3          |
| Reveal, including arris:  |            |              |
| 3" wide . . . . .   | "          | 0 7½         |
| 6" .. . . .   | "          | 1 0          |

| Item  | Unit       | ¾"                           | ¾"                           | ¾"                                    | ¾"                           |
|---|------------|------------------------------|------------------------------|---------------------------------------|------------------------------|
|   |            | white standard quality tiles | cream standard quality tiles | coloured enameled bright glazed tiles | eggshell matt enameled tiles |
|   |            | <i>s. d.</i>                 | <i>s. d.</i>                 | <i>s. d.</i>                          | <i>s. d.</i>                 |
| <b>WALL TILING</b>  |            |                              |                              |                                       |                              |
| 6" × 6" glazed wall tiles to B.S.1281 and setting with straight joints on prepared screed . . . . . | Yd. super. | 29 5                         | 30 6                         | 40 5                                  | 41 9                         |
| <i>As above in small quantities . . . . .</i>   | Ft. super. | 3 6                          | 3 8                          | 4 9                                   | 4 11                         |
| Raking cutting . . . . .  | Ft. run    | 0 9½                         | 0 9½                         | 0 9½                                  | 0 9½                         |
| Circular cutting . . . . .  | "          | 1 0½                         | 1 0½                         | 1 0½                                  | 1 0½                         |
| 6" × 1½" angle-bead capping or external angle . . . . .   | "          | 0 6½                         | 0 6½                         | 0 6½                                  | 0 6½                         |
| <i>Extra on above item for rounded angle or birdsbeak . . . . .</i>                                 | No.        | 0 3½                         | 0 3½                         | 0 3½                                  | 0 3½                         |
| <i>Extra on tiling for round-edge tile . . . . .</i>  | Ft. run    | 0 2½                         | 0 2½                         | 0 2½                                  | 0 2½                         |
| <i>Extra on above item for rounded angle.</i>   | No.        | 0 1½                         | 0 1½                         | 0 2                                   | 0 2                          |

## PLUMBER, INCLUDING GAS AND HOT WATER FITTER, ZINC WORKER AND COPPER SMITH

### *External Plumber*

| Item   | Unit    | Price   |
|--|---------|---------|
|  |         | £ s. d. |
| <b>SHEET LEAD</b>  |         |         |
| Milled lead to B.S.1178 in soakers and saddle soakers cut to size (fixing measured separately)   | Cwt.    | 8 19 6  |
| Milled lead to B.S.1178, and labour in:  |         |         |
| Flats  | "       | 9 11 0  |
| Gutters, including cesspools, valleys, coverings to hips and ridges  | "       | 10 2 3  |
| Aprons and flashings   | "       | 10 2 3  |
| Stepped flashings  | "       | 10 10 0 |
| Dormer tops and checks   | "       | 9 11 0  |
| Covering to back and top of cornice  | "       | 10 2 3  |
| Damp-course  | "       | 9 11 0  |
| Damp-course to cavity wall   | "       | 9 11 0  |
| Labour dressing 5 lb. lead to groove in stone-work and burning-in  | Ft. run | 0 3 0   |
| Lead wedging to flashings  | "       | 0 0 3   |
| " " stepped flashings  | "       | 0 0 4½  |
| Labour scalloped edge to 4 lb. lead  | "       | 0 0 7   |
| Labour dressing 5 lb. lead across corrugations of asbestos roofing   | "       | 0 2 6   |
| Labour and risk dressing lead over glass and glazing bars  | "       | 0 0 7   |
| Labour double welt   | "       | 0 0 7   |
| Soldered angles  | "       | 0 3 9   |
| Soldered seams   | "       | 0 2 9   |
| Copper nailing: open   | "       | 0 0 2   |
| " " close  | "       | 0 0 3½  |
| Bossed ends to rolls   | No.     | 0 1 10  |
| " intersection of: two rolls   | "       | 0 3 3   |
| " " three rolls  | "       | 0 5 0   |
| Soldered dots including brass screws (sinkings measured separately)  | "       | 0 4 9   |
| 5 lb. lead sheet 24" × 18" dressed through outlet in 9" parapet wall 9" wide and dressing under roofing into rainwater-head, including all bossing       | "       | 1 18 9  |
| Extra labour and solder in cesspools   | "       | 1 6 6   |
| 5 lb. lead slate 24" × 24" welted all edges, holed for 4" diameter pipe and dressed around and turned into socket and dressed to sills                   | "       | 2 7 6   |
| 30" length of 3" diameter lead (7 lb.) rainwater pipe, one end bellmouthed, welted, and trafted to asphalt and the other end dressed into rainwater-head | "       | 2 12 6  |

# How

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## Z.D.A.

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**22 HENRIETTA ST., STRAND, LONDON, W.C.2**

**Plumber, etc., External Plumber**

| Item   | Unit       | Diameter of bore                |                                 |                                |                                 |
|--|------------|---------------------------------|---------------------------------|--------------------------------|---------------------------------|
|  |            | 2½"<br>× 14 4<br>lbs. per<br>yd | 3"<br>× 17 1<br>lbs. per<br>yd. | 3½"<br>× 20<br>lbs. per<br>yd. | 4"<br>× 22·8<br>lbs. per<br>yd. |
| <b>LEAD PIPE. To B.S.<br/>602</b>  |            |                                 |                                 |                                |                                 |
| Lead soil, waste, and soil<br>and waste ventilating<br>pipes and fixing to<br>brick or plastered<br>walls with plain lead<br>tacks and brass screws                            | Ft<br>run  | s d                             | s. d.                           | s d.                           | s. d.                           |
| <i>Extra for</i>   |            |                                 |                                 |                                |                                 |
| Short lengths not over<br>4' 0"  | "          | 2 0                             | 2 3                             | 2 3                            | 2 6                             |
| Bends . . . . .  | No.        | 5 0                             | 5 3                             | 5 6                            | 5 9                             |
| Wiped soldered joints . . .  | "          | 11 0                            | 12 0                            | 13 3                           | 14 9                            |
| Wiped soldered branch<br>joints . . . . .  | "          | 12 6                            | 13 9                            | 15 3                           | 17 0                            |
|  | Unit       | Nominal sizes                   |                                 |                                |                                 |
|  |            | 3"                              | 4"                              | 4½"                            | 6"                              |
|  |            | s. d.                           | s. d.                           | s. d.                          | s. d.                           |
| <b>CAST-IRON RAIN-<br/>WATER GOODS</b>   |            |                                 |                                 |                                |                                 |
| Half-round eaves gutter to<br>B.S.1205 with socketed<br>joints made in red lead<br>and bolted and fixing<br>with and including iron<br>brackets screwed to<br>fascia . . . . . | Ft.<br>run | 1 6                             | 1 8                             | 1 10                           | 2 10                            |
| <i>Extra for</i>   |            |                                 |                                 |                                |                                 |
| Stopped end . . . . .  | No.        | 2 9                             | 3 9                             | 4 0                            | 5 3                             |
| Angle . . . . .  | "          | 5 0                             | 6 3                             | 6 9                            | 9 6                             |
| Outlet with nozzle cast<br>on . . . . .  | "          | 5 0                             | 6 3                             | 6 9                            | 9 6                             |
| O.G. eaves gutter of ½" metal<br>with socketed joints<br>made in red lead and<br>bolted and screwing to<br>fascia . . . . .  | Ft.<br>run | 1 11                            | 2 1                             | 2 3                            | 3 4                             |
| <i>Extra for:</i>  |            |                                 |                                 |                                |                                 |
| Stopped end . . . . .  | No.        | 2 11                            | 3 11                            | 4 2                            | 5 9                             |
| Angle . . . . .  | "          | 5 8                             | 6 9                             | 7 3                            | 10 0                            |
| Outlet with nozzle cast<br>on . . . . .  | "          | 5 8                             | 6 9                             | 7 3                            | 10 0                            |
|  |            | 3½" × 2"                        | 4" × 3"                         | 5" × 4"                        | 6" × 4"                         |
|  |            | s. d.                           | s. d.                           | s. d.                          | s. d.                           |
| Moulded gutter (ordinary<br>sections) of ½" metal<br>with socketed joints made<br>in red lead and bolted<br>and screwing to fascia . .   | Ft.<br>run | 2 9                             | 3 0                             | 4 3                            | 5 3                             |
| <i>Extra for:</i>  |            |                                 |                                 |                                |                                 |
| Stopped end . . . . .  | No.        | 5 3                             | 5 9                             | 8 3                            | 10 3                            |
| Angle . . . . .  | "          | 9 0                             | 9 9                             | 14 6                           | 18 3                            |
| Outlet with nozzle cast<br>on . . . . .  | "          | 9 0                             | 9 9                             | 14 6                           | 18 3                            |

## Plumber, etc., External Plumber

| Item  | Unit       | Nominal sizes |                |                    |                     |              |
|---|------------|---------------|----------------|--------------------|---------------------|--------------|
|   |            | 4" x 4"       | 5" x 4"        | 6" x 4"            | 8" x 6"<br>x 1 1/2" |              |
| <b>CAST-IRON RAIN-<br/>WATER GOODS—</b>   |            |               |                |                    |                     |              |
| <i>continued</i>  |            | <i>s. d.</i>  | <i>s. d.</i>   | <i>s. d.</i>       | <i>s. d.</i>        |              |
| Boy gutter 1/2" metal with<br>socketed joints made in<br>red lead and bolted and<br>screwing to fascia . . . .  | Ft.<br>run | 3 8           | 4 1            | 5 0                | 8 9                 |              |
| <i>Extra for</i>  |            |               |                |                    |                     |              |
| Stopped end . . . . .   | No.        | 7 0           | 7 11           | 9 3                | 14 6                |              |
| Angle . . . . .   | "          | 12 9          | 14 4           | 16 10              | 25 6                |              |
| Outlet with nozzle cast<br>on . . . . .   | "          | 12 9          | 14 4           | 16 10              | 25 6                |              |
| Rainwater pipe to B.S.450 of<br>1/2" metal (medium section)<br>with socketed<br>joints made in red lead<br>and tow with ears cast<br>on, and fixing to brick-<br>work with pipe-nails,<br>gas-barrel distance<br>pieces and hardwood<br>plugs and making good<br>brickwork or rendering | Ft.<br>run |               |                |                    |                     |              |
|   |            | 2"            | 2 1/2"         | 3"                 | 4"                  | 6"           |
|   |            | <i>s. d.</i>  | <i>s. d.</i>   | <i>s. d.</i>       | <i>s. d.</i>        | <i>s. d.</i> |
|   | Ft.<br>run | 3 4           | 3 7            | 4 2                | 4 10                | 9 6          |
| <i>Extra for:</i>   |            |               |                |                    |                     |              |
| Shoe . . . . .  | No.        | 8 6           | 8 8            | 9 3                | 12 6                | 18 6         |
| Bend . . . . .  | "          | 7 3           | 7 10           | 8 8                | 10 4                | 16 3         |
| Swanneck bend:<br>12" projection . . . . .  | "          | 9 1           | 10 6           | 12 3               | 16 2                | 31 9         |
| 18" " . . . . .   | "          | 12 2          | 12 8           | 14 11              | 18 10               | 33 6         |
| 24" " . . . . .   | "          | 14 3          | 15 9           | 17 3               | 22 3                | 37 6         |
| Straight roof outlet with<br>lute for asphalt and<br>embedding in concrete<br>flat and jointing with<br>red lead and tow to<br>rainwater pipe . . . . .   | "          | —             | —              | —                  | 69 0                | 78 3         |
| Rainwater-head of ap-<br>proved pattern p.c. 25s.<br>and fixing to brickwork<br>and jointing to pipe . . . . .  | "          | 31 0          | 31 3           | 31 9               | 33 0                | 35 0         |
| Rectangular rainwater pipe<br>of 1/2" metal with socketed<br>joints made in red lead<br>and tow with ears cast<br>on and fixing to brick-<br>work with pipe-nails,<br>gas-barrel distance<br>pieces and hardwood<br>plugs and making good<br>brickwork or rendering                     | Ft.<br>run |               |                |                    |                     |              |
|   |            | 3" x<br>2"    | 3" x<br>2 1/2" | 3 1/2" x<br>2 1/2" | 4" x<br>3"          | 5" x<br>4"   |
|   |            | <i>s. d.</i>  | <i>s. d.</i>   | <i>s. d.</i>       | <i>s. d.</i>        | <i>s. d.</i> |
|   | Ft.<br>run | 5 1           | 5 2            | 5 4                | 5 6                 | 7 9          |
| <i>Extra for:</i>   |            |               |                |                    |                     |              |
| Shoe . . . . .  | No.        | 9 7           | 9 9            | 10 9               | 11 0                | 18 2         |
| Bend . . . . .  | "          | 8 7           | 8 9            | 9 9                | 10 0                | 16 11        |
| Swanneck bend:<br>12" projection . . . . .  | "          | 15 3          | 15 6           | 18 6               | 21 0                | 35 0         |
| 18" " . . . . .   | "          | 21 0          | 21 6           | 26 6               | 30 6                | 39 9         |
| 24" " . . . . .   | "          | 26 6          | 27 3           | 33 6               | 35 3                | 41 6         |

*Plumber, etc., External Plumber*

| Item   | Unit    | Price        |              |              |              |              |
|--|---------|--------------|--------------|--------------|--------------|--------------|
|  |         | 2"           | 2½"          | 3"           | 3½"          | 4"           |
|  |         | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| <b>CAST-IRON SOIL AND WASTE VENTILATING PIPES</b>  |         |              |              |              |              |              |
| Large socket rainwater pipe of ½" metal with socketed joints made in blue lead and hemp well caulked with ears cast on and fixing to brickwork with pipe-nails, gas - barrel distance-pieces and hardwood plugs and making good brickwork or rendering | Ft. run | 3 11         | 4 2          | 4 8          | 5 5          | 5 11         |
| <i>Extra for:</i>  |         |              |              |              |              |              |
| Bend   | No.     | 10 10        | 12 0         | 13 10        | 16 6         | 17 9         |
| Swanneck bend:   |         |              |              |              |              |              |
| 12" projection   | "       | 12 4         | 13 9         | 16 4         | 18 8         | 22 9         |
| 15" "  | "       | 14 4         | 15 9         | 18 4         | 20 11        | 25 9         |
| 18" junction   | "       | —            | —            | —            | 37 6         | 41 6         |
| 27" "  | "       | —            | —            | —            | 42 8         | 46 0         |
| Soil, waste or ventilating pipes to B.S.416 of ½" metal (heavy section) with socketed joints and jointing and fixing as above  | Ft. run | 4 0          | 4 3          | 4 9          | 5 6          | 6 0          |
| <i>Extra for:</i>  |         |              |              |              |              |              |
| Bend   | No.     | 10 10        | 12 0         | 13 10        | 15 8         | 17 9         |
| Swanneck bend:   |         |              |              |              |              |              |
| 12" projection   | "       | 12 4         | 13 9         | 16 4         | 18 8         | 22 9         |
| 18" "  | "       | 15 10        | 16 9         | 19 4         | 22 0         | 27 2         |
| 24" "  | "       | 17 8         | 18 10        | 21 2         | 23 8         | 29 9         |
| Single (or inverted) branch  | "       | 12 1         | 14 6         | 16 10        | 18 9         | 21 0         |
| Double (or inverted) branch  | "       | 15 0         | 17 6         | 19 11        | 22 2         | 26 0         |
| Square bend with ½" sockets for earthenware  | "       | —            | —            | —            | 21 0         | 23 9         |
| 18" junction with ½" sockets for earthenware   | "       | —            | —            | —            | 37 5         | 41 6         |
| Oval access door to any fitting  | "       | 10 0         | 10 0         | 10 0         | 11 0         | 11 0         |
| Caulked lead joints  | "       | 3 11         | 4 3          | 4 8          | 5 7          | 6 11         |

*Plumber, etc., External Plumber*

| Item   | Unit    | Price             |                   |                   |                   |
|--|---------|-------------------|-------------------|-------------------|-------------------|
|  |         | 3"                | 4"                | 4½"               | 6"                |
|  |         | <i>s. d.</i>      | <i>s. d.</i>      | <i>s. d.</i>      | <i>s. d.</i>      |
| <b>ASBESTOS CEMENT RAIN WATER GOODS</b>  |         |                   |                   |                   |                   |
| Half-round eaves gutter to B.S.569 with socketed joints made in approved mastic and bolted and fixing by and including iron brackets screwed to fascia . . . . . | Ft. run | 1 3               | 1 5               | 1 7               | 2 3               |
| <i>Extra for</i>   |         |                   |                   |                   |                   |
| Stopped end . . . . .  | No.     | 2 4               | 2 9               | 3 0               | 4 1               |
| Angle . . . . .  | "       | 3 7               | 3 9               | 4 0               | 5 8               |
| Outlet with nozzle cast on . . . . .   | "       | 3 7               | 3 9               | 4 0               | 5 8               |
| O.G. eaves gutter to B.S.569 with socketed joints made in approved mastic and bolted and screwing to fascia . . . . .  | Ft. run | —                 | 1 7               | 1 9               | 2 5               |
| <i>Extra for</i>   |         |                   |                   |                   |                   |
| Stopped end . . . . .  | No.     | —                 | 2 11              | 3 3               | 4 3               |
| Angle . . . . .  | "       | —                 | 4 0               | 4 3               | 5 10              |
| Outlet with nozzle cast on . . . . .   | "       | —                 | 4 0               | 4 3               | 5 10              |
|  |         | 16" × 5"<br>× 10" | 18" × 5"<br>× 16" | 24" × 6"<br>× 9"  | 12" × 6"<br>× 6"  |
|  |         | <i>s. d.</i>      | <i>s. d.</i>      | <i>s. d.</i>      | <i>s. d.</i>      |
| Valley gutter to B.S.569 with socketed joints made in approved mastic and bolted and fixing on bearers (measured separately) . . . . .                           | Ft. run | 4 6               | 4 6               | 5 6               | 4 3               |
| <i>Extra for:</i>  |         |                   |                   |                   |                   |
| Stopped end . . . . .  | No.     | 9 3               | 9 3               | 11 0              | 8 6               |
| Outlet with nozzle cast on . . . . .   | "       | 18 3              | 18 3              | 21 0              | 16 3              |
|  |         | 11" × 5"<br>× 7"  | 12" × 6"<br>× 5"  | 18" × 6"<br>× 12" | 22" × 6"<br>× 16" |
|  |         | <i>s. d.</i>      | <i>s. d.</i>      | <i>s. d.</i>      | <i>s. d.</i>      |
| Boundary-wall gutter to B.S.569 with socketed joints made in approved mastic and bolted and fixing on bearers (measured separately) . . . . .                    | Ft. run | 3 6               | 3 9               | 5 9               | 6 0               |
| <i>Extra for:</i>  |         |                   |                   |                   |                   |
| Stopped end . . . . .  | No.     | 6 9               | 7 0               | 10 6              | 11 0              |
| Angle . . . . .  | "       | 12 3              | 13 0              | 21 6              | 23 0              |
| Outlet with nozzle cast on . . . . .   | "       | 12 3              | 13 0              | 21 6              | 23 0              |

**Plumber, etc., External Plumber**

| Item  | Unit    | Price    |         |          |          |       |
|---|---------|----------|---------|----------|----------|-------|
|   |         | 5" x 4½" | 5" x 6" | 12" x 8" | 15" x 5" |       |
|   |         | s. d.    | s. d.   | s. d.    | s. d.    |       |
| <b>ASBESTOS CEMENT RAIN WATER GOODS—continued</b>   |         |          |         |          |          |       |
| Box gutter to B.S.569 with socketed joints made in approved mastic and bolted and fixing on brackets (measured separately) .....  | Ft. run | 4 6      | 4 8     | 6 1      | 6 3      |       |
| <i>Extra for</i>  |         |          |         |          |          |       |
| Stopped end .....   | No.     | 8 0      | 8 3     | 11 3     | 11 6     |       |
| Outlet with nozzle cast on .....  | ..      | 16 0     | 16 6    | 22 0     | 23 0     |       |
|   |         | 2"       | 2½"     | 3"       | 4"       | 6"    |
|   |         | s. d.    | s. d.   | s. d.    | s. d.    | s. d. |
| Rainwater pipe to B.S.569 with socketed joints made in approved mastic and fixing to brickwork with and including holderbats and making good brickwork or rendering . . . | Ft. run | 1 3      | 1 5     | 1 7      | 1 11     | 3 9   |
| <i>Extra for:</i>   |         |          |         |          |          |       |
| Shoe .....  | No.     | 5 8      | 6 6     | 7 3      | 8 3      | 14 0  |
| Bend .....  | ..      | 3 0      | 4 0     | 4 9      | 5 6      | 9 0   |
| Swanneck bend:  |         |          |         |          |          |       |
| 12" projection .....  | ..      | 3 6      | 4 3     | 5 3      | 6 9      | 13 0  |
| 18"     " .....   | ..      | 4 4      | 5 3     | 6 4      | 8 9      | 16 0  |
| 24"     " .....   | ..      | 5 6      | 6 6     | 8 3      | 10 9     | 21 0  |

*Plumber, etc., External Plumber*

| Item   | Unit       | Price        |              |              |              |              |
|--|------------|--------------|--------------|--------------|--------------|--------------|
|  |            | 2"           | 2½"          | 3"           | 3½"          | 4"           |
|  |            | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| <b>ASBESTOS CEMENT<br/>SOIL, WASTE,<br/>AND VENTILAT-<br/>ING PIPES</b>  |            |              |              |              |              |              |
| Soil, waste, and ventilating<br>pipe to B.S.582 with<br>socketed joints made in<br>caulked neat cement and<br>fixing to brickwork<br>with and including<br>holderbats and making<br>good brickwork or<br>rendering ..... | Ft.<br>run | 1 7          | 1 9          | 1 11         | 2 5          | 4 6          |
| <i>Extra for:</i>  |            |              |              |              |              |              |
| Bend .....   | No.        | 5 0          | 6 1          | 6 9          | 8 9          | 12 9         |
| Swanneck bend:   |            |              |              |              |              |              |
| 12" projection .....   | "          | 5 6          | 6 3          | 7 3          | 9 9          | 16 0         |
| 18" " .....  | "          | 6 4          | 7 3          | 8 11         | 11 11        | 19 0         |
| 24" " .....  | "          | 7 6          | 8 5          | 10 4         | 13 8         | 24 3         |
| Single (or inverted)<br>branch .....   | "          | 6 8          | 7 10         | 8 9          | 11 3         | 12 0         |
| Double (or inverted)<br>branch .....   | "          | 9 3          | 11 0         | 14 6         | 16 9         | 18 6         |
| Long arm bend with<br>large socket for earthen-<br>ware .....  | "          | —            | —            | —            | 11 6         | 16 0         |
| Junction with large<br>socket for earthen-<br>ware .....   | "          | —            | —            | —            | 16 9         | 18 6         |

|   | Unit       | Price        |              |              |
|---|------------|--------------|--------------|--------------|
|   |            | 4"           | 4½"          | 6"           |
|   |            | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| <b>LIGHT ALLOY RAINWATER<br/>GOODS</b>  |            |              |              |              |
| Half-round eaves gutter with socketed<br>joints made in red lead and bolted and<br>fixing on and including brackets and<br>screwing to fascia at not more than<br>3' 0" centres ..... | Ft.<br>run | 2 4          | 2 7          | 3 10         |
| <i>Extra for:</i>   |            |              |              |              |
| Stopped end .....   | No.        | 2 9          | 3 0          | 3 9          |
| Angle .....   | "          | 5 9          | 6 2          | 7 0          |
| Outlet with nozzle cast on .....  | "          | 5 9          | 6 2          | 7 0          |
| O.G. eaves gutter with socketed joints made<br>in red lead and bolted and screwing to<br>fascia .....   | Ft.<br>run | —            | 3 4          | —            |
| <i>Extra for:</i>   |            |              |              |              |
| Stopped end .....   | No.        | —            | 3 6          | —            |
| Angle .....   | "          | —            | 7 5          | —            |
| Outlet with nozzle cast on .....  | "          | —            | 7 5          | —            |

**Plumber, etc., External Plumber**

| Item   | Unit    | Price        |              |              |              |
|--|---------|--------------|--------------|--------------|--------------|
|  |         | 2"           | 2½"          | 3"           | 4"           |
| <b>LIGHT ALLOY RAIN-WATER GOODS—contd.</b>   |         | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| Rainwater pipe with socketed joints made in red lead and tow with ears cast on and fixing to brickwork with pipe-nails, gas-barrel distance pieces and hardwood plugs and making good brickwork or rendering..   | Ft. run | 3 6          | 4 0          | 4 6          | 6            |
| <i>Extra for:</i>  |         |              |              |              |              |
| Shoe .....   | No.     | 6 6          | 6 10         | 7 3          | 9 6          |
| Bend .....   | "       | 6 6          | 7 1          | 7 10         | 9 8          |
| Swanneck bend 12" projection   | "       | 10 9         | 11 3         | 12 3         | —            |
| <b>PRESSED STEEL RAIN-WATER GOODS</b>  |         | 3"           | 4"           | 4½"          | 6"           |
|  |         | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| Half-round gutter to B.S.1091, Part 1, of 18-gauge material with socketed joints made in red lead and bolted and fixing with and including brackets and screwing to fascia .....   | Ft. run | 1 6          | 1 9          | 2 0          | 2 6          |
| <i>Extra for:</i>  |         |              |              |              |              |
| Stopped end .....  | No.     | 2 3          | 2 5          | 2 8          | 3 3          |
| Angle .....  | "       | 4 8          | 4 10         | 5 1          | 6 9          |
| Outlet with nozzle .....   | "       | 4 8          | 4 10         | 5 1          | 6 9          |
| O.G. eaves gutter to B.S.1091 of 18-gauge material with socketed joints made in red lead and bolted and screwing to fascia   | Ft. run | 1 8          | 1 11         | 2 2          | 2 9          |
| <i>Extra for:</i>  |         |              |              |              |              |
| Stopped end .....  | No.     | 2 9          | 2 10         | 3 2          | 3 11         |
| Angle .....  | "       | 5 9          | 6 0          | 6 9          | 8 9          |
| Outlet with nozzle .....   | "       | 5 9          | 6 0          | 6 9          | 8 9          |
|  |         | 2½"          | 3"           | 4"           |              |
|  |         | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |              |
| Rainwater pipe to B.S.1091 of 20-gauge material with socketed joints made in red lead and tow with ears stamped on and fixing to brickwork with pipe-nails, gas-barrel distance pieces and hardwood plugs and making good brickwork or rendering ..... | Ft. run | 2 9          | 3 1          | 3 9          |              |
| <i>Extra for</i>   |         |              |              |              |              |
| Shoe .....   | No.     | 11 0         | 12 3         | 13 3         |              |
| Bend .....   | "       | 8 9          | 9 6          | 10 4         |              |
| Swanneck bend 9" projection  | "       | 14 6         | 16 3         | 18 6         |              |
| <b>SUNDRIES</b>  |         | 2½"          | 3"           | 4"           | 6"           |
|  |         | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| Galvanized wire domical grating and fixing in outlet .....   | No.     | 1 9          | 1 11         | 2 2          | 2 6          |
| Galvanized wire balloon grating and fixing in top of pipe .....  | "       | 1 9          | 1 11         | 2 2          | 2 6          |



*Plumber, etc., Internal Plumber***LEAD PIPES**

The following are rates for lead pipes to B.S.602, calculated on the weights given below:

| Diameter of bore | Supply pipes | Distributing pipes | Flushing and warning pipes | Soil, waste, and soil and waste ventilating pipes |
|------------------|--------------|--------------------|----------------------------|---|
|                  | lb. per yd.  | lb. per yd.        | lb. per yd.                | lb. per yd.                                       |
| $\frac{1}{2}$ "  | 7            | 6                  | 3                          | —   |
| $\frac{3}{4}$ "  | 11           | 9                  | 5                          | —   |
| 1"               | 16           | 12 5               | 7                          | —   |
| $1\frac{1}{4}$ " | 21           | 16                 | 9                          | 7   |
| $1\frac{1}{2}$ " | 27           | 20                 | 12                         | 9   |
| 2"               | 38           | 28                 | 16                         | 12  |

| Item  | Unit    | Price           |                 |    |                  |                  |      |    |    |    |    |    |    |
|---|---------|-----------------|-----------------|----|------------------|------------------|------|----|----|----|----|----|----|
|   |         | $\frac{1}{2}$ " | $\frac{3}{4}$ " | 1" | $1\frac{1}{4}$ " | $1\frac{1}{2}$ " | 2"   |    |    |    |    |    |    |
|   |         | s               | d               | s  | d                | s                | d    | s  | d  | s  | d  |    |    |
| Main supply pipe and laying in trench (measured separately) | Ft. run | 4               | 2               | 5  | 5                | 9                | 4    | 12 | 4  | 15 | 9  | 22 | 9  |
| Main supply pipe and fixing to softwood                     | "       | 5               | 3               | 7  | 7                | 10               | 8    | 13 | 10 | 17 | 8  | 24 | 4  |
| Distributing pipe and fixing to softwood                    | "       | 4               | 8               | 6  | 7                | 8                | 9    | 11 | 3  | 13 | 1  | 18 | 11 |
| Flushing and warning pipe and fixing to softwood            | "       | 3               | 1               | 4  | 5                | 5                | 8    | 7  | 6  | 9  | 7  | 12 | 2  |
| Waste pipe and fixing to softwood                           | "       | —               | —               | —  | —                | —                | 6    | 6  | 8  | 2  | 10 | 3  |    |
| <i>Extra for</i>  |         |                 |                 |    |                  |                  |      |    |    |    |    |    |    |
| Fixing to brickwork, including making good fair face        | "       |                 |                 |    |                  |                  | Nil. |    |    |    |    |    |    |
| Short lengths not over 4' 0"                                | "       | 0               | 6               | 0  | 7                | 0                | 8    | 0  | 10 | 1  | 2  | 1  | 9  |
| Bends   | No.     | —               | —               | 2  | 2                | 2                | 2    | 6  | 2  | 11 | 4  | 2  |    |
| Soldered stopped ends                                       | "       | 1               | 9               | 2  | 0                | 2                | 4    | 2  | 10 | 3  | 6  | 4  | 6  |
| " joints to fittings  | "       | 3               | 8               | 4  | 9                | 5                | 10   | 6  | 4  | 7  | 9  | 10 | 0  |
| " branch joints   | "       | 4               | 6               | 5  | 8                | 6                | 10   | 7  | 7  | 9  | 2  | 11 | 6  |
| Cross-wired and beaded ends                                 | "       | 1               | 3               | 1  | 6                | 1                | 9    | 2  | 1  | 2  | 10 | 3  | 8  |
| Copper flap and lining and soldering in end of pipe.        | "       | 1               | 9               | 2  | 0                | 2                | 5    | 2  | 11 | 3  | 6  | 5  | 3  |

*Plumber, etc., Internal Plumber*

**LEAD PIPES—continued**

*The following are rates for Silver-Copper-Lead alloy pipes to B S.1085 calculated on the weights given below:*

| Diameter of bore | Supply pipes |
|------------------|--------------|
|                  | lb. per yd.  |
| $\frac{1}{2}$ "  | 5            |
| $\frac{3}{4}$ "  | 8            |
| 1"               | 13           |
| $1\frac{1}{4}$ " | 18           |
| $1\frac{1}{2}$ " | 24           |
| 2"               | 38           |

| Item  | Unit   | Price           |    |                 |    |    |    |                  |    |                  |    |    |     |
|---|--------|-----------------|----|-----------------|----|----|----|------------------|----|------------------|----|----|-----|
|   |        | $\frac{1}{2}$ " |    | $\frac{3}{4}$ " |    | 1" |    | $1\frac{1}{4}$ " |    | $1\frac{1}{2}$ " |    | 2" |     |
|   |        | s.              | d. | s.              | d. | s. | d. | s.               | d. | s.               | d. | s. | d.  |
| Main supply pipe and laying in trench (measured separately) | Ft run | 3               | 2  | 5               | 2  | 7  | 11 | 9                | 5  | 13               | 0  | 22 | 9   |
| Main supply pipe and fixing to softwood                     | ..     | 4               | 0  | 6               | 2  | 9  | 0  | 11               | 7  | 15               | 3  | 24 | 3   |
| <i>Extra for:</i>   |        |                 |    |                 |    |    |    |                  |    |                  |    |    |     |
| Fixing to brickwork, including making good fair face        | ..     |                 |    |                 |    |    |    |                  |    |                  |    |    | Nil |
| Short lengths not over 4' 0"                                | ..     | 0               | 6  | 0               | 7  | 0  | 8  | 0                | 10 | 1                | 2  | 1  | 9   |

*Plumber, etc., Internal Plumber***LEAD PIPES—continued**

The following are rates for Lead Ternary Alloy No. 2 pipes to B.S.603, calculated on the weights given below.

| Diameter of bore | Supply pipes |
|------------------|--------------|
|                  | lb. per yd.  |
| $\frac{1}{2}$ "  | 5            |
| $\frac{3}{4}$ "  | 8            |
| 1"               | 13           |
| $1\frac{1}{4}$ " | 18           |
| $1\frac{1}{2}$ " | 24           |
| 2"               | 38           |

| Item  | Unit    | Price   |   |  |                  |                  |       |
|---|---------|---|---|--|------------------|------------------|-------|
|   |         | $\frac{1}{2}$ "   | $\frac{3}{4}$ "   | 1"   | $1\frac{1}{4}$ " | $1\frac{1}{2}$ " | 2"    |
|   |         | s. d.   | s. d.   | s. d.  | s. d.            | s. d.            | s. d. |
| Main supply pipe and laying in trench (measured separately) . . . . . | Ft. run | 3 6   | 5 6   | 8 3  | 10 0             | 13 9             | 23 9  |
| Main supply pipe and fixing to softwood . . . . .                     | "       | 4 4   | 6 6   | 9 4  | 12 2             | 16 0             | 25 3  |
| <i>Extra for:</i>   |         |   |   |  |                  |                  |       |
| Fixing to brickwork, including making good fair face . . . . .        | "       | Nil.  |   |  |                  |                  |       |
| Short lengths not over 4' 0" . . . . .                                | "       | 0 6   | 0 7   | 0 8  | 0 10             | 1 2              | 1 9   |
|   |         |   |   |  |                  |                  |       |
|   |         | $\frac{1}{2}$ "<br>Weight of pipe<br>6-7 lb.<br>per yd. | $\frac{3}{4}$ "<br>Weight of pipe<br>10-11 lb.<br>per yd. | 1"<br>Weight of pipe<br>12-16 lb.<br>per yd. |                  |                  |       |
| <b>LEAD COMPRES-<br/>SION JOINTS</b>                                  |         |   |   |  |                  |                  |       |
| Coupling lead to lead . . . . .                                       | No.     | 11 3  | 15 6  | 21 3   |                  |                  |       |
| Coupling lead to iron . . . . .                                       | "       | 11 0  | 14 3  | 20 0   |                  |                  |       |

**Plumber, etc., Internal Plumber**

| Item  | Unit | Price                  |                        |                       |              |
|---|------|------------------------|------------------------|-----------------------|--------------|
|   |      | 1½" ×<br>6 lb.<br>lead | 1½" ×<br>6 lb.<br>lead | 2" ×<br>7 lb.<br>lead |              |
| <b>TRAPS</b>  |      |                        |                        |                       |              |
| Drawn lead "P" or "S" trap to B.S.504 with seal and brass screw cleaning eye cap and lining and including two soldered joints:  |      | <i>s. d.</i>           | <i>s. d.</i>           | <i>s. d.</i>          |              |
| 1½" seal .....  | No.  | 20 6                   | 25 9                   | 36 3                  |              |
| 3" seal .....   | "    | 22 1                   | 27 5                   | 38 4                  |              |
| Drawn lead "P" or "S" re-sealing traps with brass screw cleaning eye cap and lining and including two soldered joints .....   | "    | 37 3                   | 42 9                   | 49 6                  |              |
|   |      | 1½" seal               |                        | 3" seal               |              |
|   |      | 1½" dia.               | 1½" dia.               | 1½" dia.              | 1½" dia.     |
| Brass "P" or "S" trapped waste to B.S.1184 with chromium flange, rubber plug and plain tail for lead and fixing to waste outlet   | "    | <i>s. d.</i>           | <i>s. d.</i>           | <i>s. d.</i>          | <i>s. d.</i> |
|   |      | 19 9                   | 24 6                   | 22 0                  | 28 6         |
|   |      | 12" long               | 15" long               | 18" long              | 20" long     |
| Chromium-plated chain and stay to B.S.1184 .....  | "    | <i>s. d.</i>           | <i>s. d.</i>           | <i>s. d.</i>          | <i>s. d.</i> |
|   |      | 2 0                    | 2 6                    | 2 9                   | 3 3          |
|   |      | 1½" seal               |                        | 3" seal               |              |
|   |      | <i>s. d.</i>           |                        | <i>s. d.</i>          |              |
| 1½" Ferrous "P" trapped bath waste to B.S.1291 with chromium flange, rubber plug, and with fine cast internal finish and plain tail for lead and fixing to waste outlet ..... | "    | 19 9                   |                        | 25 3                  |              |
| As above but with glass enamelled internal finish .....   | "    | 31 0                   |                        | 34 6                  |              |

*Plumber, etc., Internal Plumber*

| Item  | Unit    | Diameter of pipe |       |       |       |       |       |       |       |       |       |       |       |
|---|---------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|   |         | ½"               | ¾"    | 1"    | 1¼"   | 1½"   | 2"    |       |       |       |       |       |       |
|   |         | s.               | d.    | s.    | d.    | s.    | d.    | s.    | d.    |       |       |       |       |
| <b>STEEL TUBING</b>   |         |                  |       |       |       |       |       |       |       |       |       |       |       |
| The following in galvanized steel tubes to B.S.1387, Class B, and tubulars to B.S.1387 and wrought fittings:  |         |                  |       |       |       |       |       |       |       |       |       |       |       |
| Galvanized mild-steel tubing in supply, distributing and waste pipes, etc., with screwed red-lead joints and laying in trench (measured separately) . . . . . | Ft. run | 0                | 6½    | 0     | 7½    | 0     | 11    | 1     | 2     | 1     | 7½    | 2     | 1½    |
| As above but fixing to softwood . . . . .   | ..      | 0                | 9½    | 0     | 10½   | 1     | 2     | 1     | 6     | 2     | 0½    | 2     | 7½    |
| Extra for fixing to brickwork, including making good fair face . . . . .  | ..      |                  |       |       |       |       | Nil   |       |       |       |       |       |       |
| Extra for short lengths not over 4' 0" . . . . .  | ..      | 0                | 4     | 0     | 4     | 0     | 5     | 0     | 6     | 0     | 8     | 0     | 8     |
| Screwed red-lead joints to fitting . . . . .  | No.     | 2                | 0     | 2     | 9     | 3     | 0     | 3     | 9     | 4     | 8     | 6     | 6     |
| Extra for malleable iron:   |         |                  |       |       |       |       |       |       |       |       |       |       |       |
| Elbow . . . . .   | ..      | 2                | 1     | 2     | 8     | 3     | 9     | 4     | 8     | 6     | 6     | 8     | 7     |
| Bend . . . . .  | ..      | 2                | 10    | 3     | 7     | 5     | 0     | 6     | 5     | 9     | 4     | 13    | 3     |
| Made bend . . . . .   | ..      | 2                | 2     | 2     | 6     | 3     | 0     | 3     | 9     | 4     | 8     | 7     | 3     |
| Tee—equal or reducing . . . . .   | ..      | 2                | 11    | 3     | 9     | 4     | 6     | 5     | 9     | 7     | 7     | 10    | 2     |
| Long screw with nut, back nut and lead washers and red-lead joint to cistern (perforation measured separately) . . . . .                                      | ..      | 2                | 10    | 3     | 3     | 4     | 4     | 5     | 1     | 6     | 5     | 9     | 3     |
| Screwed red-lead joint . . . . .  | ..      | 2                | 0     | 2     | 9     | 3     | 0     | 3     | 9     | 4     | 8     | 6     | 6     |
| <b>Diameter of bore</b>   |         |                  |       |       |       |       |       |       |       |       |       |       |       |
|   |         | ½"               | ¾"    | 1"    | 1¼"   | 1½"   | 2"    |       |       |       |       |       |       |
| <b>Gauge</b>  |         |                  |       |       |       |       |       |       |       |       |       |       |       |
|   |         | 18               | 17    | 16    | 16    | 15    | 14    |       |       |       |       |       |       |
| Copper tubes to B.S.1386: Tubing and laying in trench (measured separately) . . . . .   | Ft. run | s. d.            | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. |
|   |         | 1                | 9     | 2     | 3     | 2     | 11    | 4     | 2     | 5     | 5     | 7     | 1     |

**Plumber, etc., Internal Plumber**

| Item  | Unit    | Supply and distributing |              |              |              |              |              | Waste        |
|---|---------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
|   |         | Diameter of bore        |              |              |              |              |              |              |
|   |         | ½"                      | ¾"           | 1"           | 1¼"          | 1½"          | 2"           |              |
| Gauge   |         |                         |              |              |              |              |              |              |
| <b>COPPER TUBES AND FITTINGS</b>  |         | 19                      | 19           | 18           | 18           | 18           | 17           | 18           |
| <i>—continued</i>   |         | <i>s. d.</i>            | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| Copper tubes to B.S. 659:   |         |                         |              |              |              |              |              |              |
| Tubing and fixing to softwood . . . .                                       | Ft. run | 1 6                     | 1 11         | 2 7          | 3 0          | 3 9          | 5 6          | 5 0          |
| <i>Extra for:</i>   |         |                         |              |              |              |              |              |              |
| Fixing to brick-work, including making good fair face                       | ..      | —                       | —            | —            | —            | —            | —            | —            |
| Short lengths not over 4' 0"  | ..      | 0 4                     | 0 5          | 0 6          | 0 8          | 0 11         | 1 3          | 1 3          |
|   | Unit    | Diameter of bore        |              |              |              |              |              |              |
|   |         | ½"                      | ¾"           | 1"           | 1¼"          | 1½"          | 2"           |              |
|   |         | <i>s. d.</i>            | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| <b>Brass compression-type fittings:</b>                                     |         |                         |              |              |              |              |              |              |
| <i>Extra for:</i>   |         |                         |              |              |              |              |              |              |
| Coupling—copper to copper . . . . .   | No.     | 4 3                     | 4 10         | 6 10         | 8 11         | 11 11        | 16 8         |              |
| Coupling—copper to iron . . . . .   | ..      | 4 10                    | 6 6          | 8 0          | 10 7         | 14 9         | 19 8         |              |
| Reducing coupling—copper to copper (large end measured)                     | ..      | —                       | 5 4          | 6 11         | 9 0          | 11 10        | 16 6         |              |
| Bend—copper to copper . . . . .   | ..      | 5 4                     | 6 4          | 9 10         | 12 4         | 21 3         | 30 3         |              |
| Tee, equal or reducing—copper to copper (largest branch measured) . . . . . | ..      | 8 0                     | 9 3          | 13 5         | 18 0         | 27 6         | 38 3         |              |
| Flanged connector to tank (perforation measured separately) . .             | ..      | 4 8                     | 6 1          | 7 9          | 9 7          | 13 9         | 17 5         |              |

*Plumber, etc., Internal Plumber*

| Item   | Unit | Diameter of bore |    |    |    |    |    |     |    |     |    |    |    |
|--|------|------------------|----|----|----|----|----|-----|----|-----|----|----|----|
|  |      | ½"               |    | ¾" |    | 1" |    | 1¼" |    | 1½" |    | 2" |    |
|  |      | s.               | d. | s. | d. | s. | d. | s.  | d. | s.  | d. | s. | d. |
| <b>COPPER TUBES AND FITTINGS—</b>                                      |      |                  |    |    |    |    |    |     |    |     |    |    |    |
| <i>continued</i>   |      |                  |    |    |    |    |    |     |    |     |    |    |    |
| Brass weldable-type fittings:  |      |                  |    |    |    |    |    |     |    |     |    |    |    |
| <i>Extra for:</i>  |      |                  |    |    |    |    |    |     |    |     |    |    |    |
| Coupling copper to copper.....   | No   | 4                | 9  | 5  | 7  | 6  | 10 | 9   | 3  | 10  | 6  | 14 | 9  |
| Coupling copper to iron.....   | "    | 6                | 9  | 9  | 5  | 10 | 10 | 13  | 8  | 17  | 4  | 23 | 2  |
| Reducing coupling—copper to copper (large end measured)                | "    | —                | 6  | 8  | 8  | 1  | 9  | 10  | 11 | 0   | 17 | 6  |    |
| Bend—copper to copper.....   | "    | 6                | 6  | 7  | 10 | 12 | 0  | 15  | 10 | 22  | 1  | 31 | 9  |
| Tee, equal or reducing—copper to copper (largest branch measured)..... | "    | 9                | 6  | 11 | 9  | 14 | 6  | 18  | 0  | 25  | 0  | 32 | 7  |
| Flanged connector to tank.....   | "    | 7                | 5  | 9  | 8  | 12 | 5  | 15  | 4  | 22  | 8  | —  |    |
| Brass capillary-type fittings:   |      |                  |    |    |    |    |    |     |    |     |    |    |    |
| <i>Extra for:</i>  |      |                  |    |    |    |    |    |     |    |     |    |    |    |
| Coupling—copper to copper.....   | "    | 3                | 10 | 4  | 6  | 6  | 2  | 8   | 5  | 10  | 1  | 13 | 5  |
| Coupling—copper to iron.....   | "    | 5                | 2  | 7  | 3  | 8  | 2  | 10  | 4  | 13  | 3  | 17 | 7  |
| Reducing coupling—copper to copper (large end measured)                | "    | —                | 5  | 2  | 5  | 10 | 8  | 5   | 12 | 0   | 12 | 11 |    |
| Bend—copper to copper.....   | "    | 6                | 2  | 7  | 3  | 10 | 11 | 14  | 1  | 22  | 2  | 29 | 10 |
| Tee, equal or reducing—copper to copper (largest branch measured)..... | "    | 8                | 1  | 9  | 5  | 12 | 7  | 16  | 3  | 23  | 1  | 31 | 0  |
| Flanged connector to tank.....   | "    | 5                | 0  | 6  | 10 | 8  | 5  | 9   | 9  | 12  | 10 | 16 | 2  |

**Plumber, etc., Internal Plumber**

| Item  | Unit | Price                   |                 |                   |                   |                   |              |
|---|------|-------------------------|-----------------|-------------------|-------------------|-------------------|--------------|
|   |      | $\frac{1}{2}$ "         | $\frac{3}{4}$ " | 1"                | 1 $\frac{1}{4}$ " | 1 $\frac{1}{2}$ " | 2"           |
| <b>BRASSWORK</b>  |      |                         |                 |                   |                   |                   |              |
| Union with screwed red-lead joint to iron and soldered joint to lead:   |      | <i>s. d.</i>            | <i>s. d.</i>    | <i>s. d.</i>      | <i>s. d.</i>      | <i>s. d.</i>      | <i>s. d.</i> |
| Light .....   | No.  | 5 11                    | 8 0             | 9 9               | 12 3              | 15 3              | 27 9         |
| Heavy .....   | "    | 7 4                     | 9 6             | 12 11             | 16 2              | 19 9              | 33 4         |
| Boiler screw with single nut and lead washers, with red-lead joint to cistern and screwed joint to iron (perforation measured separately) ....            | "    | 5 9                     | 7 3             | 9 4               | 13 0              | 16 9              | 24 6         |
| <i>As above</i> but with double nut and soldered joint to lead (perforation measured separately) .  | "    | 6 1                     | 7 8             | 9 10              | 13 9              | 17 9              | 26 0         |
|   |      | $\frac{1\frac{1}{2}}$ " | 2"              | 2 $\frac{1}{2}$ " | 3"                | 3 $\frac{1}{2}$ " | 4"           |
| Ferrules or sleeves to B.S. 1182 with soldered joint and caulked lead joint .   | "    | 12 11                   | 15 5            | 19 0              | 23 0              | 27 9              | 32 6         |
| Thimble or socket to B.S. 1182 with soldered joint and cement joint   | "    | 11 3                    | 14 8            | 17 9              | 21 9              | 26 2              | 29 11        |
| <i>As above</i> but with caulked lead joint . . . . .   | "    | 13 3                    | 16 0            | 19 3              | 23 5              | 28 0              | 32 0         |
|   |      | $\frac{1}{2}$ "         | $\frac{3}{4}$ " | 1"                | 1 $\frac{1}{4}$ " | 1 $\frac{1}{2}$ " | 2"           |
| Screw-down stop-cock to B.S.1010 with two screwed red-lead joints   | "    | 8 4                     | 12 3            | 16 6              | 31 9              | 53 3              | 74 9         |
| <i>As above</i> with one screwed red-lead joint and one soldered joint  | "    | 11 10                   | 17 0            | 22 1              | 38 2              | 60 3              | 83 6         |
| <i>As above</i> with two soldered joints .....  | "    | 15 12                   | 21 9            | 34 0              | 45 8              | 67 11             | 104 0        |
| <i>As above</i> with both ends jointed to copper ....   | "    | 11 0                    | 16 9            | 28 0              | —                 | —                 | —            |
| High-pressure "Croydon" type ball-valve, M.O.H. quality, with copper ball, including red-lead joint to cistern and screwed red-lead joint to iron .....   | "    | 14 3                    | 23 8            | 33 0              | 55 9              | 74 3              | 122 0        |
| <i>As above</i> but with fly nut and union and soldered joint to lead .....   | "    | 17 9                    | 29 6            | 41 0              | 63 3              | 82 6              | 134 0        |
| High - pressure "Ports-mouth" type ball-valve, M.O.H. quality, with copper ball, including red-lead joint to cistern and screwed red-lead joint to iron . | "    | 13 9                    | 20 8            | 33 0              | 67 6              | 90 3              | 157 3        |
| <i>As above</i> but with fly nut and union and soldered joint to lead .....   | "    | 17 3                    | 26 6            | 41 0              | 77 0              | 97 6              | 149 6        |



*Plumber, etc., Internal Plumber*

| Item  | Unit | Price   |       |       |       |       |       |
|---|------|---------|-------|-------|-------|-------|-------|
|   |      | ½"      | ¾"    | 1"    | 1½"   | 1¾"   | 2"    |
| <b>BRASSWORK—contd.</b>   |      | s. d.   | s. d. | s. d. | s. d. | s. d. | s. d. |
| Low - pressure "Ports - mouth" type ball-valve, M.O.H. quality, with copper ball, with fly nut and union and soldered joint to lead . . . . . | No.  | 18 9 29 | 0 42  | 9 77  | 2 97  | 6 149 | 6     |
| Brass bib cock to B.S.1010, with screwed red-lead joint to iron . . . . .   | "    | 8 0 12  | 3 21  | 0 —   | — —   | — —   | —     |
| As above but with screwed boss and soldered joint to lead . . . . .   | "    | 12 6 18 | 3 29  | 6 —   | — —   | — —   | —     |
| Chromium - plated easy - clean bib cock to B.S. 1010 with screwed red-lead joint to iron . . .  | "    | 12 0 18 | 0 —   | — —   | — —   | — —   | —     |
| As above but with screwed boss and soldered joint to lead . . . . .   | "    | 17 9 24 | 3 —   | — —   | — —   | — —   | —     |
| Brass hose union bib cock to B S 1010 with screwed red-lead joint to iron . . . . .   | "    | 10 6 14 | 9 25  | 0 —   | — —   | — —   | —     |

**CISTERNS, TANKS, CYLINDERS, ETC.**

| Item  | Unit | B.S. size No | Nominal capacity in gals. | Price |    |    |
|---|------|--------------|---------------------------|-------|----|----|
|   |      |              |                           | £     | s. | d. |
| Galvanized mild-steel cistern to B.S.417, Grade A, and hoisting and fixing . . . . .  | No.  | 1 8          | 62                        | 6     | 12 | 3  |
| " " " " " " " "   | "    | 1 11         | 100                       | 8     | 9  | 0  |
| " " " " " " " "   | "    | 1 14         | 250                       | 20    | 19 | 0  |
| " " " " " " " "   | "    | 1 16         | 500                       | 39    | 2  | 9  |
| " " " " " " " "   | "    | 1 18         | 1000                      | 86    | 12 | 6  |
| Galvanized mild-steel tank to B.S.417, Grade A, and hoisting and fixing . . . . .   | "    | 2 1          | 20                        | 8     | 9  | 0  |
| " " " " " " " "   | "    | 2 4          | 30                        | 9     | 19 | 6  |
| " " " " " " " "   | "    | 2 6          | 40                        | 11    | 17 | 9  |
| " " " " " " " "   | "    | 2 8          | 60                        | 24    | 0  | 0  |
| Galvanized mild-steel cylinder to B.S.417, Grade C, riveted throughout " for barrels in all cases " with ends dished outwards and hoisting and fixing . . . . . | "    | 3 1          | 23                        | 8     | 13 | 0  |
| " " " " " " " "   | "    | 3 2          | 28                        | 8     | 18 | 0  |
| " " " " " " " "   | "    | 3 3          | 33                        | 10    | 10 | 3  |
| " " " " " " " "   | "    | 3 5          | 58                        | 12    | 19 | 9  |
| Copper cylinder to B.S.699, Grade 3, " for barrels in all cases " with ends dished outwards and hoisting and fixing . . . . .                                   | "    | 1            | 20                        | 4     | 18 | 0  |
| " " " " " " " "   | "    | 2            | 25                        | 5     | 12 | 3  |
| " " " " " " " "   | "    | 3            | 30                        | 6     | 12 | 6  |
| " " " " " " " "   | "    | 4            | 40                        | 7     | 2  | 0  |

**Plumber, etc., Internal Plumber**

| Item  | Unit | B.S. size No. | Nominal capacity in gals. | Price                   |
|---|------|---------------|---------------------------|-------------------------|
| <b>CISTERNS, TANKS, CYLINDERS, ETC.—</b>  |      |               |                           | <b>£ s. d.</b>          |
| <i>continued</i>  |      |               |                           |                         |
| Welded galvanized steel calorifier, $\frac{1}{4}$ " plate, with five tappings for connections and hoisting and fixing . . . . . | No.  |               | 27 $\frac{1}{2}$          | 11 18 6                 |
| " " " " " " " " " " " "   | "    |               | 35                        | 13 16 0                 |
| " " " " " " " " " " " "   | "    |               | 50                        | 15 17 0                 |
| " " " " " " " " " " " "   | "    |               | 80                        | 24 5 3                  |
| " " " " " " " " " " " "   | "    |               | 150                       | 40 18 0                 |
|   | Unit | B.S. size No. |                           |                         |
|   |      | Gauge         |                           |                         |
|   |      | Body          | Ends                      |                         |
| Copper calorifier to B.S. 853, with five tappings for connections and hoisting and fixing: . . .                                | No.  | 20            | 18                        | 27 $\frac{1}{2}$ 14 5 3 |
| " " " " " " " " " " " "   | "    | 20            | 18                        | 35 16 9 0               |
| " " " " " " " " " " " "   | "    | 18            | 16                        | 50 26 16 6              |
| " " " " " " " " " " " "   | "    | 16            | 14                        | 80 52 12 0              |
| " " " " " " " " " " " "   | "    | 14            | 12                        | 150 104 11 0            |

**Plumber, etc., Sanitary Fittings**

*N.B.—The prices for Sanitary Fittings supplied and fixed complete are based upon the P.C. prices for fittings quoted in italics.*

**TRAPPED WASTES.** See "Internal Plumber".

| Item   | Unit |             | Price                  |
|--|------|-------------|------------------------|
| <b>SINKS</b>   |      |             | <b>£ s. d.</b>         |
| Fireclay sinks, white glazed inside and out, to B.S.1206 and brackets and fixing, including cutting and pinning brackets to brickwork and making good tile face: |      |             |                        |
| Type "a", 24" x 18" x 10" deep over all . . .  | No.  | <i>P.c.</i> | 2 16 10                |
| " " " " " " " " " " " "  | "    | "           | 4 4 7                  |
| Type "b", 30" x 18" x 10" deep over all . . .  | "    | "           | 6 4 2                  |
| " " " " " " " " " " " "  | "    | "           | 7 18 8                 |
|  |      |             | <b>Stainless steel</b> |
|  |      |             | <b>£ s. d.</b>         |
| Combined metal sink and draining board to B.S.1244, type "c", and fixing to bearers (measured separately)—42" x 18" x 8 $\frac{1}{2}$ " deep over all . . . . .  | "    | "           | 14 12 6                |
| " " " " " " " " " " " "  | "    | "           | 16 18 3                |
| Combined metal sink, draining-board, and work-slab, and fixing to bearers (measured separately)—63" x 18" x 8 $\frac{1}{2}$ " deep over all . . .                | "    | "           | 22 0 0                 |
| " " " " " " " " " " " "  | "    | "           | 25 2 6                 |





*Plumber, etc., Sanitary Fittings*

| Item   | Unit | Price          |                |        |
|--|------|----------------|----------------|--------|
| <b>SHOWERS</b>   |      | <b>£ s. d.</b> |                |        |
| Chromium-plated shower fitting comprising $\frac{1}{2}$ " mixing valve, swanneck riser and 4" shower rose; 3' 0" chromium-plated rod with brackets, 3' 6" x 5' 6" shower curtain, and eight chromium-plated hooks; white glazed fireclay shower tray, 30" x 30" x 7", with open weir overflow waste fitting and union; and fixing shower curtain brackets to tile face, hanging curtain, and bedding tray in floor ..... | No.  | P.c.           | 21             | 2 8    |
|  | "    |                | 25             | 3 6    |
|  | Unit | Price          |                |        |
| <b>W.C.s.</b>  |      | <i>s. d.</i>   |                |        |
| Supplying only, W.C. pan, white glazed inside and out, with "P" or "S" trap to B.S. 1213 (fixing measured separately):   |      |                |                |        |
| Earthenware .....  | No.  | P.c.           | 30             | 0      |
| " .....  | "    | "              | 33             | 0      |
| Fireclay .....   | "    | "              | 45             | 3      |
| " .....  | "    | "              | 49             | 9      |
| Heavy earthenware .....  | "    | "              | 32             | 5      |
| " .....  | "    | "              | 35             | 9      |
| Vitreous china .....   | "    | "              | 34             | 7      |
| " .....  | "    | "              | 38             | 1      |
|  |      |                | Single         | Double |
| Supplying only, W.C. seat:   |      |                |                |        |
| Black plastic to B.S. 1254 .....   | "    | "              | 20 10          | 36 10  |
| " .....  | "    | "              | 23 3           | 41 6   |
| Polished imitation mahogany, standard pattern, 1" thick .....  | "    | "              | 24 0           | 38 5   |
| " .....  | "    | "              | 26 6           | 42 3   |
| As above, 1 $\frac{1}{2}$ " thick .....  | "    | "              | 24 0           | 38 5   |
| " .....  | "    | "              | 26 6           | 42 3   |
| Polished mahogany, standard pattern, 1 $\frac{1}{4}$ " thick .....   | "    | "              | 30 5           | 48 0   |
| " .....  | "    | "              | 33 6           | 52 10  |
|  |      |                | <b>£ s. d.</b> |        |
| Supplying only, two-gallon cast-iron high-level painted flushing cistern to B.S. 1125, with painted cast-iron brackets, chromium-plated chain and china pull .....   | "    | "              | 4 4            | 0      |
| " .....  | "    | "              | 4 12           | 6      |
| As above but with galvanized cistern and brackets and brass chain .....  | "    | "              | 2 12           | 10     |
| " .....  | "    | "              | 2 19           | 6      |
| As above but with white porcelain-enamelled outside cistern and brackets and chromium-plated chain .....   | "    | "              | 5 5            | 7      |
| " .....  | "    | "              | 5 16           | 3      |
| As above but low-level type cistern with chromium-plated lever handle and white porcelain enamelled or chromium-plated flush pipe and inlet connector to pan .....   | "    | "              | 6 6            | 1      |
|  |      |                | 7              | 1 0    |

*Plumber, etc., Sanitary Fittings*

| Item   | Unit     | Price           |
|--|----------|-----------------|
|  |          | £ s. d.         |
| <b>W.C.s.—continued</b>  |          |                 |
| Supplying only, two-gallon white earthenware high-level flushing cistern to B.S.1125, with white porcelain-enamelled cast-iron brackets and chromium-plated chain and china pull | No. P.c. | 5 12 0<br>6 3 3 |
| <i>As above</i> but low-level type cistern with chromium-plated lever handle, white porcelain enamelled or chromium-plated flush pipe and inlet connector to pan                 | " "      | 6 4 2<br>6 16 3 |
| " " "  | " "      | 6 4 2<br>6 16 3 |

| Item   | Unit     | Type                     |               |                       |              |
|--|----------|--------------------------|---------------|-----------------------|--------------|
|  |          | Back to wall, high level |               | Side wall, high level |              |
|  |          | Size                     |               | Size                  |              |
|  |          | 1½" dia.                 | 1½" dia.      | 1½" dia.              | 1½" dia.     |
|  |          | s. d.                    | s. d.         | s. d.                 | s. d.        |
| Supplying only, galvanized steel flush pipe to B.S.1125, with pre-fabricated connector to pan and flush polished brass pipe clip | No. P.c. | 9 7<br>10 10             | 9 7<br>10 10  | 14 0<br>16 0          | 14 0<br>16 0 |
| <i>As above</i> but white porcelain-enamelled with chromium-plated clip  | " "      | 52 10<br>57 9            | 52 10<br>57 9 | 80 2<br>88 6          | 80 2<br>88 6 |
| <i>As above</i> but with chromium-plated copper pipe and chromium-plated clip  | " "      | 52 10<br>57 9            | 52 10<br>57 9 | 80 2<br>88 6          | 80 2<br>88 6 |
| " " "  | " "      | 52 10<br>57 9            | 52 10<br>57 9 | 80 2<br>88 6          | 80 2<br>88 6 |

|   | Unit | Price |
|---|------|-------|
| <i>N.B.—For prices for lead flush pipes, see "Internal Plumber".</i>  |      | s. d. |
| Fixing only, W.C. pan, hinged seat, cast-iron flushing cistern with brackets, two-piece steel or copper flush pipe, including screwing pan to wood floor, forming cement-caulked joint to drain, screwing seat to pan, brackets to softwood, and connecting flush pipe to cistern and pan | No.  | 18 6  |
| <i>As above</i> but low-level   | "    | 18 6  |



**Plumber, etc., Heating and Hot Water Fitter**

*N.B.—Large central heating and hot water installations are normally carried out by specialist firms, the prices varying considerably in accordance with the type and size of the installation. Approximate prices for this type of work are given under Part II, the following prices being intended to apply to the small-scale work undertaken by the General Contractor. (For prices of steel tubing and brass work, see "Internal Plumber".)*

| Item   | Unit |      | Price   |
|--|------|------|---------|
|  |      |      | £ s. d. |
| <b>BOILERS, ETC.</b>   |      |      |         |
| Open fire domestic boiler to B.S.758, providing continuous direct domestic hot water supply with mottled grey vitreous enamelled side-jackets and base-plate, dull nickel-plated top with polished edges, draw-off cock, shaking grating, and stoking tools, and fixing, including connecting to pipes with two 1¼" screwed red-lead joints: |      |      |         |
| Heating surface 2 square feet .....  | No.  | P.c. | 8 6 9   |
| Heating surface 2½ square feet .....   | "    | "    | 10 11 0 |
| Heating surface 3 square feet .....  | "    | "    | 12 1 6  |
| Heating surface 4 square feet .....  | "    | "    | 16 12 6 |
| 4" mottled grey vitreous enamelled smoke pipe to B.S.41, 6' 0" long, and fixing and jointing   | "    | "    | 18 3 6  |
| Extra for bend with soot door .....  | "    | "    | 21 17 6 |
| " " " .....  | "    | "    | 1 10 8  |
| " " " .....  | "    | "    | 1 17 9  |
| " " " .....  | "    | "    | 0 14 10 |
| " " " .....  | "    | "    | 0 19 3  |
|  |      |      | ¾"      |
|  |      |      | s. d.   |
| Gunmetal dead weight safety valve with loose weights .....   | "    |      | 30 0    |
| Gunmetal spring safety valve with lock nut....   | "    |      | 14 3    |

**RADIATORS, ETC.**

Four-column cast-iron radiator, 24" high with ¼" chromium-plated air valve, 1" chromium-plated easy-clean straight valve with union and 1" straight union and screwed red-lead joints and fixing (cutting and pinning brackets measured separately).....

| Unit | Heating surface |            |            |            |
|------|-----------------|------------|------------|------------|
|      | 20 sq. ft.      | 24 sq. ft. | 30 sq. ft. | 36 sq. ft. |
|      | s. d.           | s. d.      | s. d.      | s. d.      |
| No.  | 49              | 160 0      | 76 5       | 88 9       |
| "    | 80              | 694 9      | 117 3      | 141 6      |



*Plumber, etc., Gas Fitter***LEAD COMPO PIPE**

*The following are rates for Lead Compo pipe for gas and other purposes calculated on the weights given below:*

| Diameter of bore | Weight per yd. | Diameter of bore | Weight per yd. |
|------------------|----------------|------------------|----------------|
| $\frac{1}{4}$ "  | 4 oz.          | $\frac{1}{4}$ "  | 1 lb 12 oz.    |
| $\frac{3}{8}$ "  | 12 oz.         | $\frac{3}{8}$ "  | 3 lb.          |
| $\frac{1}{2}$ "  | 1 lb. 4 oz.    | 1"               | 5 lb.          |

| Item  | Unit    | Price           |                 |                 |                 |       |       |
|---|---------|-----------------|-----------------|-----------------|-----------------|-------|-------|
|   |         | $\frac{1}{4}$ " | $\frac{3}{8}$ " | $\frac{1}{2}$ " | $\frac{3}{4}$ " | 1"    |       |
|   |         | s. d.           | s. d.           | s. d.           | s. d.           | s. d. | s. d. |
| <b>LEAD COMPO PIPING</b>  |         |                 |                 |                 |                 |       |       |
| Lead compo piping and fixing to softwood. . .                             | Ft. run | 0 10            | 1 2             | 1 7             | 2 1             | 2 11  | 4 3   |
| Extra for fixing to brick-work, including making good fair face . . . . . | "       | 0 2             | 0 2             | 0 2             | 0 2             | 0 2   | 0 2   |
| Extra for short lengths not exceeding 4' 0" run                           | "       | 0 3             | 0 4             | 0 5             | 0 6             | 0 7   | 0 8   |
| Soldered joints . . . . .   | No.     | 1 9             | 2 0             | 2 3             | 2 6             | 3 0   | 3 9   |
| Soldered branch joints . . .  | "       | 2 0             | 2 3             | 2 6             | 3 0             | 3 6   | 4 3   |

Plumber, etc., Gas Fitter

| Item  | Unit    | Diameter of pipe |      |     |      |      |      |      |      |     |
|---|---------|------------------|------|-----|------|------|------|------|------|-----|
|   |         | ½"               | ¾"   | 1"  | 1¼"  | 1½"  | 1¾"  | 2"   |      |     |
| <b>MILD STEEL TUBING</b>  |         |                  |      |     |      |      |      |      |      |     |
| Painted or varnished mild steel tubing to B.S.1387 Class B with screwed red-lead joints and fixing to soft-wood ..... | Ft. run | 0 6              | 0 7  | 0 8 | 0 9  | 0 10 | 1 0  | 1 4  | 1 10 | 2 4 |
| <i>Extra for fixing to brickwork, including making good fair face</i> ..  | "       | —                | —    | —   | —    | —    | —    | —    | —    | —   |
| <i>Extra for short lengths not exceeding 4' 0" run</i> .....  | No.     | 0 3              | 0 3  | 0 4 | 0 4  | 0 4  | 0 5  | 0 6  | 0 8  | 0 8 |
| <i>Extra for capped end</i> .....   | "       | 1 7              | 1 8  | 1 9 | 1 11 | 2 3  | 2 10 | 3 4  | 4 2  | 5 9 |
| <i>Extra for reducing socket</i> .....  | "       | 1 10             | 1 11 | 2 0 | 2 6  | 2 8  | 3 5  | 4 4  | 5 4  | 6 9 |
| <i>Extra for tees</i> .....   | "       | 1 11             | 2 0  | 2 2 | 2 4  | 2 11 | 3 9  | 4 10 | 6 3  | 8 3 |

*Plumber, etc., Gas Fitter*

| Item   | Unit     | Price              |                 |               |
|--|----------|--------------------|-----------------|---------------|
|  |          | $\frac{1}{2}$ "    | $\frac{3}{4}$ " | 1"            |
| <b>FITTINGS</b>  |          |                    |                 |               |
| Brass main cock and two screwed red-lead joints . . . . .  | No.      | s. d.<br>7 0       | s. d.<br>9 3    | s. d.<br>14 6 |
| $\frac{1}{2}$ " brass drop fan union cock with cap and lining and two screwed red-lead joints . . . . .  | No.      | s. d.<br>6 6       |                 |               |
| Flexible plug and socket, standard type and one screwed red-lead joint . . . . .   | "        | 24 6               |                 |               |
| <i>As above</i> but pedestal type and screwing to softwood . . . . .   | "        | 25 9               |                 |               |
| <i>As above</i> but flush fitting type and screwing to softwood . . . . .  | "        | 27 6               |                 |               |
| Gas poker with 3' 0" flexible tube and plug connector . . . . .  | "        | 16 6               |                 |               |
|  |          | Unit               | Price           |               |
|  |          |                    | £               | s. d.         |
| <b>WATER HEATERS</b>   |          |                    |                 |               |
| Sink geyser finished in white porcelain-enamel with metal parts chromium-plated and capable of raising 1 $\frac{1}{2}$ gallons of water 40° F. per minute, and fixing to plastered wall inclusive of $\frac{1}{2}$ " soldered joint and screwed red-lead joint . . . . . | No. P.c. | 10 10 4<br>12 9 0  |                 |               |
| Bath geyser <i>as above</i> but capable of raising 3 gallons of water 40° F. per minute, and fixing to plastered wall inclusive of $\frac{1}{2}$ " soldered joint and $\frac{1}{2}$ " screwed red-lead joint (flues measured separately) . . . . .                       | " "      | 15 9 1<br>18 6 0   |                 |               |
| Multi-point geyser capable of raising 3 $\frac{1}{2}$ gallons of water 40° F. per minute and fixing to plastered walls inclusive of two $\frac{1}{2}$ " soldered joints and one screwed red-lead joint (flues measured separately) . . . . .                             | " "      | 26 14 4<br>30 12 9 |                 |               |
| Wash boiler (round pattern), 8 gallons capacity, with draw-off tap and inclusive of fixing in position with 4' 0" length of $\frac{1}{2}$ " diameter flexible tubing, rubber push adaptor one end and plug gas connector the other . . . . .                             | " "      | 5 17 0<br>7 12 6   |                 |               |
| Wash boiler (square pattern), 10 gallons capacity, with porcelain-enamelled side panels and draw-off cock and fixing <i>as above</i> . . . . .   | " "      | 8 10 0<br>10 14 6  |                 |               |
| " " " " . . . . .  | " "      |                    |                 |               |

*Plumber, etc., Gas Fitter*

| Item   | Unit | Price             |
|--|------|-------------------|
|  |      | £ s. d.           |
| <b>GAS FIRES</b>   |      |                   |
| Silent beam build-in model gas fire, size approximately 17" wide by 23" high with hammered copper surround plaque and fixing to plastered walls and inclusive of ¼" screwed red-lead joint . | " "  | 8 13 8<br>10 6 0  |
| High beam " build-in model 5 radiant gas fire, over-all size 17" wide by 23" high with hammered copper surround plaque, and fixing <i>as above</i> . . .                                     | " "  | 6 19 2<br>8 1 0   |
| Silent beam " gas fire size 18" wide by 26" high, finished in approved colour and placing in position and connecting to gas supply with ¼" screwed red-lead joint . . . . .                  | " "  | 9 16 5<br>11 12 0 |
| High beam model 7 radiant gas fire and connecting <i>as above</i> . . . . .  | " "  | 10 0 0<br>11 16 0 |
| Gas poker, 3' 0" length of flexible metallic tubing and plug gas connector . . . . .   | " "  | 1 1 9<br>1 8 8    |
| " " "  | " "  |                   |

*Plumber, etc., Zinc Worker*

| Item   | Unit       | Price |
|--|------------|-------|
|  |            | s. d. |
| <b>ZINC ROOFING</b>  |            |       |
| 14-gauge zinc to B.S.849 in soakers cut to size (fixing measured separately) . . . . . | Ft. super. | 1 10  |
| 14-gauge zinc to B.S.849 and labour in:  |            |       |
| Flats . . . . .  | "          | 2 2½  |
| Flashings, gutters, dormer flats and cheeks, and covering to hips and ridges . . . . . | "          | 2 3½  |
| Stepped flashing . . . . .   | "          | 2 8½  |
| Covering to back and top of cornice . . . . .  | "          | 2 5   |
| Labour and risk dressing over glass and glazing bars                                   | Ft. run    | 0 6½  |
| Wedging to flashing with oak or lead wedges . . . . .                                  | "          | 0 1½  |
| <i>As above</i> but stepped flashing . . . . .   | "          | 0 1½  |
| <i>Extra</i> labour in cesspools . . . . .   | No.        | 6 10  |
| Capped ends to rolls . . . . .   | "          | 0 6½  |

*Plumber, etc., Coppersmith*

| Item   | Unit       | 24     | 23     |
|--|------------|--------|--------|
|  |            | S.W.G. | S.W.G. |
| <b>COPPER ROOFING</b>  |            |        |        |
| Sheet copper to B.S.899 in soakers cut to size (fixing measured separately) . . . . .  | Ft. super. | 3 2    | 3 5    |
| Sheet copper to B.S.899 and labour in:   |            |        |        |
| Flats . . . . .  | "          | 3 11½  | 4 2½   |
| Flashings, gutters, dormer flats and cheeks, and covering to hips and ridges . . . . . | "          | 4 2½   | 4 5½   |
| Stepped flashing . . . . .   | "          | 4 2½   | 4 5½   |
| Covering to back and top of cornices . . . . .   | "          | 4 2½   | 4 5½   |
| Labour scalloped edge . . . . .  | Ft. run    | 0 8½   | 0 8½   |
| Labour and risk dressing over glass and glazing bars . . . . .                         | "          | 0 7½   | 0 7½   |
| Labour dressing over mouldings, 6" girth . . . . .                                     | "          | 0 6½   | 0 6½   |
| Wedgeing to flashings with oak, copper, or lead wedges . . . . .                       | "          | 0 1½   | 0 1½   |
| As above but stepped flashing . . . . .  | "          | 0 1½   | 0 1½   |
| Capped ends to rolls . . . . .   | "          | 0 6½   | 0 6½   |
| Saddles to rolls . . . . .   | "          | 0 6½   | 0 6½   |

*Plumber, etc., Builders' Work in Connection with Plumbing and Engineering Services*

| Item   | Unit    | Price        |              |
|--|---------|--------------|--------------|
| <b>TRENCHES</b>  |         |              |              |
| Excavating trench for service pipe 2' 6" deep, getting out, returning, filling and ramming, and removing surplus excavated material a distance not exceeding 100 yds. run and depositing . . . . . | Yd. run | 4 3          |              |
|  | Unit    | Small pipe   | Large pipe   |
| <b>HOLES, ETC., AND MAKING GOOD</b>  |         |              |              |
| Holes for pipes through:   |         | <i>s. d.</i> | <i>s. d.</i> |
| Concrete 4" thick . . . . .  | No.     | 1 9          | 2 10½        |
| Extra for each additional 1" in thickness up to and including 12" . . . . .  | "       | 0 3½         | 0 5          |
| Reinforced concrete 4" thick . . . . .   | "       | 2 7          | 3 11         |
| Extra for each additional 1" in thickness up to and including 12" . . . . .  | "       | 0 5½         | 0 7½         |
| Extra for making good to floated or trowelled face . . . . .   | "       | 0 3½         | 0 7          |
| Extra for making good to granolithic paving . . . . .  | "       | 0 3½         | 0 7          |
| Brick walls 4½" thick . . . . .  | "       | 1 9          | 2 10½        |
| Extra for each additional 4½" in thickness up to 13½" . . . . .  | "       | 1 3½         | 2 2          |
| Extra for making good fair face per side . . . . .   | "       | 0 4½         | 0 6½         |

**Plumber, etc., Builders' Work in Connection with Plumbing and Engineering Services**

| Item  | Unit | Small pipe   | Large pipe   |
|---|------|--------------|--------------|
| <b>HOLES, ETC., AND MAKING GOOD—continued</b>   |      |              |              |
| Holes for pipes through:— <i>continued</i>  |      | <i>s. d.</i> | <i>s. d.</i> |
| Clay block or concrete partition 2" thick   | No.  | 0 7          | 0 10½        |
| Extra for each additional 1" in thickness up to and including 4" . . .  | "    | 0 2½         | 0 3          |
| Extra for making good plastered face per side . . . . .   | "    | 0 3½         | 0 7          |
| Extra for making good tiled face per side . . . . .   | "    | 0 7          | 1 2          |
| Corrugated asbestos-cement roof sheeting . . . . .  | "    | 0 10½        | 1 3          |
| Insulating or plaster board . . . . .   | "    | 0 3½         | 0 7          |
| Flat asbestos cement sheeting . . . . .   | "    | 0 7          | 0 10½        |
| Cutting and pinning holderbats for pipes to brickwork, partitions or concrete and making good plastered face . . . . .        | "    | 2 0          | 3 6          |
| Cutting and pinning radiator stays or brackets to brickwork, partitions, or concrete and making good plastered face . . . . . | "    | 2 7½         | —            |
| Labour cutting horizontal or vertical chase in brickwork . . . . .  | "    | 0 10½        | 1 6½         |

**STOP COCK PIT**

|  | Unit | Price                |
|--|------|----------------------|
| Common brick in cement mortar (1:4) stop-cock pit 2' 6" deep and size 6" x 6" in clear with 4" concrete bottom and half-brick sides and covering with cast-iron hinged locking cover and frame bedded in cement mortar . . . . . | No.  | <i>s. d.</i><br>28 0 |

**CARPENTERS' AND JOINERS' WORK**

|  |            |      |
|--|------------|------|
| Softwood framed in tank bearers, cistern casing and framing for bath panels . . . . .  | Ft. cube   | 16 0 |
| Extra for Plugging to:   |            |      |
| Brickwork . . . . .  | Ft. run    | 0 3½ |
| Concrete . . . . .   | "          | 0 4½ |
| ½" match-boarding wrought one side, V-jointed and tongued and grooved in casing to cistern . . . . .                                       | Ft. super. | 1 4½ |
| ½" softwood matched and V-jointed boarded cover to cistern with 1" chamfered edges and 1½" x 2" rim screwed on underside . . . . .         | "          | 1 10 |
| 1" x 4" wrought softwood twice chamfered pipe board planted on . . . . .   | Ft. run    | 1 0  |
| 1" wrought softwood and chamfered back-boards to water waste preventers plugged and screwed to brickwork, partitions or concrete . . . . . | No.        | 4 3  |
| Holes through softwood not exceeding 1" thick:   |            |      |
| For small pipe . . . . .   | "          | 0 3½ |
| For large pipe . . . . .   | "          | 0 7  |
| 1½" hardwood cross-tongued and ledged draining-boards fluted to falls . . . . .  | Ft. super. | 9 3  |
| ½" x 2" hardwood rounded fillet fixed with brass screws and cups including mitres, ends, etc. . . . .                                      | Ft. run    | 1 0½ |
| ½" x 3" hardwood rounded skirting plugged to brickwork, partitions or concrete including mitres and ends . . . . .                         | "          | 1 7½ |

**Plumber, etc., Builders' Work in Connection with Plumbing and Engineering Services**

| Item   | Unit | Yellow birch |       | Beech |       | Iroko |       |   |
|--|------|--------------|-------|-------|-------|-------|-------|---|
|  |      | Width        |       | Width |       | Width |       |   |
|  |      | 18"          | 21"   | 18"   | 21"   | 18"   | 21"   |   |
|  |      | s. d.        | s. d. | s. d. | s. d. | s. d. | s. d. |   |
| <b>CARPENTERS' AND JOINERS' WORK</b>   |      |              |       |       |       |       |       |   |
| <i>—continued</i>  |      |              |       |       |       |       |       |   |
| Wood draining-board to B.S.1226 and fixing to bearers (measured separately): | No.  | 23           | 3/26  | 9/23  | 3/26  | 9/26  | 6/30  | 6 |
| 24" long .....   | "    | 34           | 3/39  | 9/34  | 3/39  | 9/39  | 3/45  | 3 |
| 36" " .....  |      |              |       |       |       |       |       |   |

**HEAT INSULATION**

|   | Unit       | Price |    |
|---|------------|-------|----|
|   |            | s.    | d. |
| 2" consolidated slag-wool or other approved insulating material well packed and rammed to cistern enclosures .....  | Ft. super. | 1     | 0  |
| Single layer canvas-backed hair felt wrapping to pipe, secured with copper wire:  |            |       |    |
| Not over 1" diameter .....  | Ft. run    | 1     | 9  |
| Over 1" diameter but not over 2" .....  | "          | 2     | 10 |
| Plastic insulation cover with 1½" thick "Eureka" asbestos plastic insulation, securely wired, trowelled smooth and hard and painted two coats:                              |            |       |    |
| Diameter of pipe:   |            |       |    |
| ½" .....  | "          | 2     | 3  |
| ¾" .....  | "          | 2     | 5½ |
| 1" .....  | "          | 2     | 7½ |
| 1½" .....   | "          | 2     | 9½ |
| 1¾" .....   | "          | 3     | 0  |
| 2" .....  | "          | 3     | 2  |
| Sectional insulation cover with 1" thick "Eureka" sectional insulation securely fixed, finished with white canvas sheeting complete with metal bands and painted two coats: |            |       |    |
| Diameter of pipe:   |            |       |    |
| ½" .....  | "          | 2     | 7½ |
| ¾" .....  | "          | 2     | 9½ |
| 1" .....  | "          | 3     | 0  |
| 1½" .....   | "          | 3     | 2  |
| 1¾" .....   | "          | 3     | 5  |
| 2" .....  | "          | 3     | 9  |
| Pre-fabricated "Econite" insulating jackets for tanks and cylinders finished with white canvas sheeting complete with aluminium bands and painted two coats .....           | Ft. super. | 3     | 2  |

**STEELWORK**

|  |      |    |   |
|--|------|----|---|
| 4" x 3" rolled steel joists cut to lengths and hoisting and fixing as tank bearers ..... | Cwt. | 31 | 6 |
|--|------|----|---|





## GLAZIER

| Glazing to:                           | Unit       | Wood sashes with beads or putty to conform to Type 1 of B.S.544 in squares not exceeding 4' 0" super. | Wood sashes with screwed beads (measured separately) in squares not exceeding 4' 0" super. | Metal sashes with putty to conform to Type 2 of B.S.544 in squares not exceeding 4' 0" super. |
|---------------------------------------|------------|---|--|---|
|                                       |            | <i>s. d.</i>  | <i>s. d.</i>   | <i>s. d.</i>  |
| <b>CLEAR SHEET GLASS</b>              |            |   |  |   |
| Ordinary quality sheet glass:         | Ft. super. |   |  |   |
| 18 oz.....                            | "          | 1 1½  | 1 5½   | 1 2½  |
| 24 oz.....                            | "          | 1 2½  | 1 6½   | 1 3½  |
| 26 oz.....                            | "          | 1 4½  | 1 8½   | 1 5½  |
| 32 oz.....                            | "          | 1 8   | 1 11½  | 1 9   |
| <b>OBSCURED GLASS</b>                 |            |   |  |   |
| ½" figured, rolled or cathedral:      |            |   |  |   |
| Untinted .....                        | "          | 1 5   | 1 8½   | 1 6½  |
| Tinted .....                          | "          | 1 8   | 1 11½  | 1 9   |
| <b>ROLLED PLATE GLASS, ETC.</b>       |            |   |  |   |
| ½" rolled plate .....                 | "          | 1 4½  | 1 8½   | 1 5½  |
| ¾" or 1" rough cast .....             | "          | 1 5½  | 1 9½   | 1 6½  |
| Prismatic .....                       | "          | 2 0½  | 2 3½   | 2 1½  |
| ¾" wired .....                        | "          | 1 7½  | 1 11½  | 1 8½  |
| ¾" Georgian wired .....               | "          | 1 8½  | 1 11½  | 1 9½  |
| ¾" polished Georgian wired plate..... | "          | 4 8½  | 5 0½   | 4 9½  |

| Item   | Unit       | Price        |
|--|------------|--------------|
| <b>SUNDRIES</b>                                      |            | <i>s. d.</i> |
| Hacking out broken sheet glass and figured glass:    | Ft. super. |              |
| Not over 1 ft. super. ....                           | "          | 1 4½         |
| 1-2 ft. super. ....                                  | "          | 1 3½         |
| Over 2 ft. super. ....                               | "          | 0 9½         |
| Bending glass to simple curves:                      |            |              |
| Thickness not over ½" .....                          | "          | 5 3          |
| " ½" to ¾" .....                                     | "          | 5 3          |
| " ¾" (wired) .....                                   | "          | 5 6          |
| Circular cutting .....                               | Ft. run    | Nil.         |
| Black ribbon velvet and bedding to edge of glass.... | "          | 0 5½         |

# THIS IS THE GLAZIER SECTION

and, since you are interested in Glazing, here is a reminder that Clark-Eaton can help you with:—

## Supply of Glass

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Literature: Please see next page.



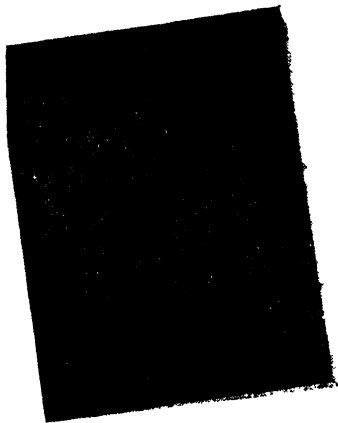
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*Glazier*

| Item   | Unit       | $\frac{1}{4}$ "<br>(approx.)<br>glazing<br>quality | Selected<br>glazing<br>quality | Silvering<br>quality |
|--|------------|--|--------------------------------|----------------------|
|  |            | <i>s. d.</i>                                       | <i>s. d.</i>                   | <i>s. d.</i>         |
| <b>PLATE GLASS</b>   |            |  |                                |                      |
| Glazing with polished plate glass, ordinary substance, in squares: |            |  |                                |                      |
| Not over 2 ft. super. ....   | Ft. super. | 3 5  | 3 7                            | 4 0 $\frac{1}{2}$    |
| 2-3 ft. super. ....  | "          | 3 9 $\frac{1}{2}$                                  | 4 1 $\frac{1}{2}$              | 4 9                  |
| 3-5 ft. super. ....  | "          | 3 11 $\frac{1}{2}$                                 | 4 7                            | 5 3 $\frac{1}{2}$    |
| 5-45 ft. super. ....   | "          | 4 7  | 4 10 $\frac{1}{2}$             | 6 4                  |
| 45-100 ft. super. ....   | "          | 5 2 $\frac{1}{2}$                                  | 6 4                            | 7 10                 |

|  | Unit       | Price              |
|--|------------|--------------------|
|  |            | <i>s. d.</i>       |
| <b>Bending (all qualities):</b>              |            |                    |
| Not over 15 ft. super. ....                  | Ft. super. | 5 3                |
| 15-25 ft. super. ....                        | "          | 7 4                |
| 25-50 ft. super. ....                        | "          | 8 7                |
| 50-75 ft. super. ....                        | "          | 9 8 $\frac{1}{2}$  |
| Extra for glazing bends ...                  | "          | 2 0 $\frac{1}{2}$  |
| Circular cutting .....                       | Ft. run    | Nil.               |
| Polished edges, not exceeding 10' run .....  | "          | 0 7 $\frac{1}{2}$  |
| Bevelled edges, 1 $\frac{1}{4}$ " wide ..... | "          | 1 11 $\frac{1}{2}$ |

|   | Unit       | Clear sheet squares | Obscured sheet squares | Clear sheet quarries | Obscured sheet quarries | Designs            |
|---|------------|---------------------|------------------------|----------------------|-------------------------|--------------------|
|   |            | <i>s. d.</i>        | <i>s. d.</i>           | <i>s. d.</i>         | <i>s. d.</i>            | From <i>s. d.</i>  |
| <b>LEADED LIGHTS</b>  |            |                     |                        |                      |                         |                    |
| Leaded lights and glazing in Hacking out and reglazing .... | Ft. super. | 5 5                 | 5 8 $\frac{1}{2}$      | 6 8 $\frac{1}{2}$    | 7 0                     | 11 4 $\frac{1}{2}$ |
| Ditto in stone..  | "          | 6 5 $\frac{1}{2}$   | 6 8 $\frac{1}{2}$      | 7 9 $\frac{1}{2}$    | 8 0 $\frac{1}{2}$       | 12 5               |
|   | "          | 7 8 $\frac{1}{2}$   | 7 11 $\frac{1}{2}$     | 9 0                  | 9 3 $\frac{1}{2}$       | 13 7 $\frac{1}{2}$ |

|   | Unit         | Price              |
|---|--------------|--------------------|
|   | <i>s. d.</i> | <i>s. d.</i>       |
| <b>COPPER LIGHTS</b>  |              |                    |
| Copper lights in 4" x 3" squares (without bars and joints): |              |                    |
| $\frac{1}{4}$ " obscured glass .....                        | Ft. super.   | 12 7               |
| Polished plate glass .....                                  | "            | 13 3 $\frac{1}{2}$ |
| <b>VIRTOLITE</b>  |              |                    |
| * vitrolite bedded in mastic or screwed to backings:        |              |                    |
| Black or white .....  | Yd. super.   | 68 3               |
| Coloured.....   | "            | 69 10              |

## PAINTER

| Item  | Unit       | Price |
|---|------------|-------|
| <b>LIME WHITE</b>   |            |       |
| Preparing and twice limewhiting brick walls, etc.....   | Yd. super. | 0 10  |
| Brushing down and removing old loose limewhite, etc., from .....  | ..         | 0 4½  |
| <b>WHITENING</b>  |            |       |
| Preparing and twice whitening:  |            |       |
| Plastered soffits or building- or plaster-boards ...  | ..         | 0 11½ |
| Plaster-moulded cornices .....  | ..         | 1 2   |
| Fair-faced concrete or flat asbestos sheeting soffits   | ..         | 1 1½  |
| Corrugated asbestos sheeting to soffits (measured flat) .....   | ..         | 1 3   |
| <i>Add to the above for:</i>  |            |       |
| Brushing down and removing old loose distemper, etc., and preparing for twice whitening plastered soffits, from ..... | ..         | 0 4½  |
| Washing-off whitened ceilings, from .....   | ..         | 0 11  |
| <b>WASHABLE DISTEMPERS, ETC.</b>  |            |       |
| Preparing and twice distemping:   |            |       |
| Plastered walls and soffits or building- or plaster-boards .....  | ..         | 1 3½  |
| Plaster-moulded cornices .....  | ..         | 1 7½  |
| Fair-faced brick or concrete, flat asbestos sheeting walls or soffits .....   | ..         | 1 6½  |
| Corrugated asbestos sheeting (vertical) or soffits (measured flat) .....  | ..         | 1 8   |
| <i>Add to the above for:</i>  |            |       |
| Brushing down and removing old loose distemper, etc., from ..   | ..         | 0 4½  |
| Prepare and paint two coats of white cement paint on brick, concrete or cement rendered walls .....                   | ..         | 1 1½  |



## PRICES FOR MEASURED WORK

## Painter

| Item   | Unit       | Touching-up, priming and applying one coat |            | Preparing, priming and applying one coat |            | Add for each additional coat |            | Add to finishing coat if in full-gloss paint |            | Add to finishing coat if in enamel |            |
|--|------------|--|------------|--|------------|------------------------------|------------|--|------------|------------------------------------|------------|
|  |            | Int. s. d.                                 | Ext. s. d. | Int. s. d.                               | Ext. s. d. | Int. s. d.                   | Ext. s. d. | Int. s. d.                                   | Ext. s. d. | Int. s. d.                         | Ext. s. d. |
| <b>PAINT ON METAL WORK</b>   |            |  |            |  |            |                              |            |  |            |                                    |            |
| General surfaces .....   | Yd. super. | 1 4  | 1 4½       | 2 7½                                     | 2 9        | 1 2                          | 1 2½       | 0 1½   | 0 1½       | 0 2½                               | 0 2½       |
| Metal casements divided into squares .....                         | "          | 1 11                                       | 2 0½       | 3 11                                     | 4 2        | 1 8                          | 1 9        | 0 2½   | 0 2½       | 0 6                                | 0 6½       |
| Ornamental balustrades one side (both sides measured) .....        | "          | 1 11                                       | 2 0½       | 3 11                                     | 4 2        | 1 8                          | 1 9        | 0 2½   | 0 2½       | 0 4½                               | 0 5        |
| Perforated landing and treads one side (both sides measured) ..... | "          | 2 4½                                       | 2 6        | 4 9½                                     | 5 1½       | 2 1                          | 2 2½       | 0 2½   | 0 3        | 0 5½                               | 0 6½       |
| Members of roof trusses .....                                      | Yd.        | 1 7½                                       | 1 8½       | 3 3                                      | 3 5½       | 1 5                          | 1 6        | 0 1½   | 0 2        | 0 3½                               | 0 4        |
| Bars, angles, etc., not exceeding 6" girth .....                   | run        | 0 4  | 0 4        | 0 8                                      | 0 8        | 0 3½                         | 0 3½       | 0 0½   | 0 0½       | 0 0½                               | 0 1        |





**Painter**

| Item  | Unit       | Touching-up priming and applying one coat | Priming and applying one coat         | Add for each additional coat |
|---|------------|---|---------------------------------------|------------------------------|
| <b>HEAT-RESISTING PAINT ON METAL</b>                            |            |   |                                       |                              |
| Preparing, priming, and painting heat-resisting paint on metal: |            | <i>s. d.</i>                              | <i>s. d.</i>                          | <i>s. d.</i>                 |
| Heating surfaces of radiators . . .                             | Yd. super. | 1 7                                       | 3 1                                   | 1 5                          |
| Pipes, including clips and holder-bats:                         | Yd. run    | 0 4                                       | 0 8                                   | 0 3½                         |
| Small . . . . .   | "          | 0 7½                                      | 1 3½                                  | 0 7                          |
| Large . . . . .   | "          | 0 11                                      | 1 9½                                  | 0 9½                         |
| Over 4" to 6" . . . . .   | "          |   |                                       |                              |
|   |            | Creosote                                  | Proprietary branded wood preservative |                              |
| <b>WOOD PRESERVATIVE ON WROUGHT WOOD</b>                        |            |   |                                       |                              |
| Applying two coats on woodwork:                                 |            | <i>s. d.</i>                              | <i>s. d.</i>                          |                              |
| General surfaces . . . . .                                      | Yd. super. | 1 0                                       | 1 3½                                  |                              |
| Frames, etc.:   | Yd. run    | 0 4                                       | 0 4½                                  |                              |
| Not over 6" girth . . . . .                                     | "          | 0 7                                       | 0 8                                   |                              |
| 6" to 12" girth . . . . .                                       | No.        | 0 3                                       | 0 4½                                  |                              |
| Ends of timber . . . . .  |            |   |                                       |                              |
|   |            | Unit                                      | Price                                 |                              |
| <b>SMUDGE ON WOODWORK</b>                                       |            |   |                                       |                              |
| Applying one coat thick smudge on wood before fixing:           |            |   | <i>s. d.</i>                          |                              |
| General surfaces . . . . .                                      | Yd. super. |   | 0 6½                                  |                              |
| Back of frames . . . . .  | Yd. run    |   | 0 3½                                  |                              |
| Back of skirting 4" high . . . . .                              | "          |   | 0 3½                                  |                              |



**Painter**

| Item  | Unit       | Price                |              |
|---|------------|----------------------|--------------|
| <b>PAINT ON WOODWORK—contd.</b>   |            |                      |              |
| Writing letters or numerals, <i>per coat: per inch of height</i> .....  | No.        | 0                    | 4½           |
| Writing stops, <i>per coat</i> .....  | "          | 0                    | 2            |
| Washing and rubbing down and bringing forward old work to receive new paint.                                    | Yd.        |                      |              |
| Internal .....  | super.     | 0                    | 11           |
| External .....  | "          | 1                    | 0            |
| <b>STAIN AND VARNISH</b>  |            |                      |              |
| Preparing, sizing, staining to approval, and twice varnishing woodwork:   | Yd.        |                      |              |
| General surfaces .....  | super.     | 2                    | 11           |
| Shelf edge .....  | Yd. run    | 0                    | 3½           |
| Skirting, picture rail, etc., not over 3" in height or girth .....  |            | 0                    | 5½           |
| <i>Add to above for each additional 3" in girth</i> ..  |            | 0                    | 4½           |
| Frames, etc., not over 3" girth .....   | "          | 0                    | 5½           |
| <i>Add to above for each additional 3" in girth</i> ...   | "          | 0                    | 4½           |
| Opening edges of casements .....  | No.        | 0                    | 11           |
| Sash squares one side .....   | Dozen      | 4                    | 7            |
| Large " " .....   | "          | 8                    | 3            |
|   | Unit       | Brush and comb grain | Figure grain |
| <b>GRAIN AND VARNISH</b>  |            |                      |              |
| Knotting, priming, stopping, painting one undercoat and graining to approval, and twice varnishing woodwork:... |            | <i>s. d.</i>         | <i>s. d.</i> |
| General surfaces .....  | Yd. super. | 6                    | 7½           |
| Shelf edge .....  | Yd. run    | 0                    | 6½           |
| Skirting, picture rail, etc., not over 3" in height or girth. ....  | "          | 0                    | 10½          |
| <i>Add to above for each additional 3" in girth</i> .....   | "          | 0                    | 9½           |
| Frames, etc., not over 3" girth .....   | "          | 0                    | 10½          |
| <i>Add to above for each additional 3" in girth</i> .....   | "          | 0                    | 9½           |
| Opening edges of casements .....  | No.        | 1                    | 8            |
| Sash squares one side .....   | Dozen      | 8                    | 2            |
| Large " " .....   | "          | 14                   | 9            |
|   | Unit       | Price                |              |
| <b>OIL HARDWOOD</b>   |            |                      |              |
| Twice oiling hardwood with boiled linseed oil:  | Yd.        | <i>s. d.</i>         |              |
| General surfaces .....  | super.     | 1                    | 3            |
| Treads and risers .....   | "          | 1                    | 5            |
| Shelf edge .....  | Yd. run    | 0                    | 1            |
| Frames, etc., not over 3" girth .....   | "          | 0                    | 1½           |
| <i>Add to above for each additional 3" in girth</i> ..  | "          | 0                    | 1½           |

*Painter*

| Item   | Unit       | Price        |
|--|------------|--------------|
|  |            | <i>s. d.</i> |
| <b>STAIN AND WAX POLISH</b>  |            |              |
| Staining to approval and wax polishing hardwood:   |            |              |
| General surfaces .....   | Ft. super. | 0 9½         |
| Treads and risers .....  | "          | 0 9½         |
| Shelf edge .....   | Ft. run    | 0 1½         |
| Frames, etc., not over 3" girth .....  | "          | 0 3½         |
| <i>Add to above for each additional 3" in girth.....</i>   | "          | 0 3½         |
| <b>STAIN AND FRENCH POLISH</b>   |            |              |
| Staining, bodying-in, and fully French polishing on hardwood:  |            |              |
| General surfaces .....   | Ft. super. | 2 1½         |
| Treads and risers .....  | "          | 2 1½         |
| Shelf edge .....   | Ft. run    | 0 2½         |
| Frames, etc., not over 3" girth .....  | "          | 0 6½         |
| <i>Add to above for each additional 3" in girth ...</i>  | "          | 0 6½         |
| <b>PAPERING</b>  |            |              |
| Preparing and sizing walls and hanging plain lining paper .....  | Piece      | 6 7          |
| <i>As above but trimming edges and hanging paper, p.c. 6s. per piece .....</i>                               | "          | 12 6         |
| Stripping old common paper (not exceeding two papers), washing and stopping preparatory to re-papering ..... | "          | 4 7          |
| Hanging border:  |            |              |
| Plain, p.c. 1s. yd.....  | Yd. run    | 1 6          |
| Cut-out, p.c. 1s. 6d. ....   | "          | 2 0          |

EXTERNAL WORKS

Roads

| Item   | Unit          | Price |
|--|---------------|-------|
| <b>EXCAVATION</b>  |               |       |
| <i>See "Excavator" for prices for excavation and disposal.</i>   |               |       |
| Labour only forming surface of road and path excavation to true cambers, falls, and gradients, including any necessary rolling   | Yd.<br>super. | 0 10½ |
| <b>HARDCORE, ETC.</b>  |               |       |
| Ash or clinker filled in in layers and well rolling with a heavy roller  | Yd.<br>cube   | 9 5   |
| Bed of ash or clinker, spreading, levelling, blinding, and well rolling with a heavy roller to true cambers, falls, and gradients:   | Yd.           |       |
| 3" thick (after consolidation)   | super.        | 0 10½ |
| 6" " " "   | "             | 1 8   |
| Broken brick or similiar material filled in in layers and well rolling with a heavy roller   | Yd.<br>cube   | 12 4  |
| Bed of broken brick, as above:   | Yd.           |       |
| 3" thick (after consolidation)   | super.        | 1 1½  |
| 6" " " "   | "             | 2 2   |
| <b>CONCRETE, ETC.</b>  |               |       |
| Waterproof paper, <i>p.c</i> 4d. <i>yd. super.</i> and laying on hardcore or ashes, lapped at joints (measured net)  | "             | 0 6½  |
| 2" concrete (1 : 12) blinding layer  | "             | 1 11  |
| 4" concrete (1 : 2. 4—½" aggregate) spreading and levelling to falls and contours and well-ramming and tamping to an even surface with a 3" thick steel-shod tamper weighing not less than 7 lb. ft. run and covering and curing | "             | 5 10½ |
| <i>Add to above</i> for each additional 1" in thickness  | "             | 1 4   |
| Temporary timber formwork to edges of concrete 4" high   | Ft. run       | 0 6   |
| <i>Add to above</i> for each additional 1" in height   | "             | 0 1½  |
| <i>Add to above</i> for circular on plan to flat sweep   | "             | 37½%  |
| Steel or timber road forms 6" high   | "             | 0 6   |
| Expansion joint in 4" concrete road, including formwork and treating edge with one coat of bitumen   | "             | 0 6½  |
| <i>Add to above</i> for each additional 1" in height   | "             | 0 1½  |
| Expansion joint in 4" concrete roadway and forming with ½" approved pre-moulded filler, including formwork   | "             | 0 10½ |
| High-tensile steel mesh reinforcement to B.S.1221, Part A and B, lapped at joints (measured net, no allowance made for laps):  | Yd.           |       |
| Weighing 3.37 lb. per sq. yd.  | super.        | 1 11½ |
| " 4.71 lb. " "   | "             | 2 4½  |

**External Works, Roads**

| Item  | Unit       | Price        |
|---|------------|--------------|
| <b>TAR-MACADAM ROADS</b>  |            | <i>s. d.</i> |
| Tar-macadam road paving, 3" thick, with 1½" down-graded aggregate and laying on prepared foundation in one layer  | Yd. super. | 9 5          |
| Tar-macadam road paving, 3" thick, laid on prepared foundation in two layers, the base coat of 2½" graded material laid 2½" thick, the wearing surface of ½" graded material laid ½" thick. | "          | 9 11         |
| <b>GRANITE SETTS</b>  |            |              |
| 4" x 4" granite setts and laying on concrete foundations and pointing in cement mortar as strip at junction of roads  | Ft. run    | 1 9½         |
| <b>KERBS, CHANNELS, AND EDGINGS</b>   |            |              |
| Cement concrete (1 : 3 : 6—1½" aggregate), bedding and haunching to kerb and channels   | Ft. cube   | 1 10½        |
| 10" x 5" half-battered pre-cast concrete kerb to B.S.340 and laying with dry joints bedded in cement mortar   | Ft. run    | 2 8½         |
| <i>As above</i> , circular on plan  | "          | 3 8½         |
| 10" x 5" full-battered pre-cast concrete kerb to B.S.340 and laying flat as channel, bedded, and jointed in cement mortar   | "          | 2 8½         |
| <i>As above</i> , circular on plan  | "          | 3 8½         |

**External Works, Footpaths**

| Item  | Unit       | Price        |
|---|------------|--------------|
| <b>EDGING TO FOOTPATHS</b>  |            | <i>s. d.</i> |
| 6" x 2½" pre-cast concrete edging to footpath in 12" lengths with slightly rounded top  | Ft. run    | 1 9          |
| 4" x 1½" creosoted sawn fir edging to paths, including creosoted fir stakes 24" long, pointed and driven into ground at 4' 0" centres.  | "          | 1 1½         |
| <b>PRE-CAST SLAB PATHS</b>  |            |              |
| 2" pre-cast concrete paving slabs to B.S.368, 2' 6" x 2' 0", and laying in lime mortar  | Yd. super. | 11 7         |
| Raking cutting  | Ft. run    | 0 3½         |
| Circular cutting  | "          | 0 6½         |
| <b>TAR-MACADAM PATHS</b>  |            |              |
| Tar paving 2" thick (after rolling) in two layers, the lower half of aggregate broken to 1½" gauge and the upper half to a ¾"-¼" gauge, all thoroughly incorporated with tar and oil, finishing with fine limestone or granite chippings, and well rolling each layer to proper falls | Yd. super. | 7 1          |

*External Works, Footpaths*

| Item   | Unit       | Price |
|--|------------|-------|
| <b>GRAVEL PATHS</b>  |            |       |
| Gravel paths, laying on prepared bed, well watering and rolling to cambers and falls:  |            |       |
| 2" thick (after rolling).....  | Yd. super. | 2 3   |
| 2½" thick (after rolling)....  | "          | 2 9½  |
| <b>COLD BITUMEN EMULSION PATHS</b>   |            |       |
| 1" layer of ½" chippings, spreading and rolling on prepared bed, coating with cold bitumen emulsion (1 gal. to 1½-2 yds super.), and sprinkling with fine chippings well rolled in; applying second coating (1 gal. to 3-4 yds. super.), sprinkling and well rolling as before ..... |            |       |
|  | ,,         | 3 2   |

*External Works, Mains*

| Item  | Unit    | Diameter of pipe |              |              |              |
|---|---------|------------------|--------------|--------------|--------------|
|   |         | 3"               | 4"           | 6"           |              |
| <b>CAST-IRON WATER MAINS</b>  |         | 3"               | 4"           | 6"           |              |
| <i>For excavation, see "Drainlayer".</i>  |         | <i>s. d.</i>     | <i>s. d.</i> | <i>s. d.</i> |              |
| Cast-iron spigot and socket pipes to B.S.78, Class C, and laying and jointing with caulked joints in trench ..... | Ft. run | 4 11             | 7 0          | 10 9         |              |
| Spun cast-iron spigot and socket pipes to B.S.1211 and laying as above .....                                      | ,,      | 4 6              | 5 10         | 8 9          |              |
| <i>Extra for</i>  |         | No.              |              |              |              |
| 45° bends as Table 7 .....  |         | 29 3             | 38 0         | 73 6         |              |
| 45° angle branch as Table 19..  | ,,      | 46 0             | 64 3         | 115 6        |              |
| Tee as Table 20. ....   | ,,      | 42 6             | 57 9         | 102 3        |              |
| Hydrant tee as Table 21 .....   | ,,      | 48 0             | 64 3         | 114 9        |              |
|   |         | <b>2"-3"</b>     | <b>2"-4"</b> | <b>3"-4"</b> | <b>4"-6"</b> |
|   |         | <i>s. d.</i>     | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| Taper, as Table 18 .....  | ,,      | 25 6             | 30 3         | 32 6         | 60 0         |
|   |         | 3"               | 4"           | 6"           |              |
|   |         | <i>s. d.</i>     | <i>s. d.</i> | <i>s. d.</i> |              |
| Plug as Table 23 .....  | ,,      | 15 3             | 19 6         | 35 6         |              |
| Cap as Table 24 .....   | ,,      | 16 9             | 21 6         | 38 0         |              |
| Socket to flange-piece as Table 22 .....  | ,,      | 23 0             | 28 3         | 49 6         |              |
| Spigot to flange-piece as Table 22 .....  | ,,      | 21 6             | 27 0         | 48 3         |              |
| Sluice-valve with head for loose key, including flanged joints .....  | ,,      | 127 0            | 170 3        | 297 6        |              |

|   | Unit | Price                |
|---|------|----------------------|
| Light cast-iron circular surface box and bedding on and including 4" concrete bed. .... | No.  | <i>s. d.</i><br>20 6 |
| Mild steel operating key, 3' 6" long .....  | ,,   | 47 3                 |

**External Works, Mains**

| Item  | Unit    | Diameter of pipe |              |              |              |
|---|---------|------------------|--------------|--------------|--------------|
|   |         | 2"               | 3"           | 4"           | 6"           |
| <b>ASBESTOS CEMENT PRESSURE PIPES</b>   |         |                  |              |              |              |
| <i>For excavation, see "Drainlayer".</i>  |         |                  |              |              |              |
| Asbestos cement pressure pipes, Class C, to B.S.486 and laying jointing with rubber rings and detachable iron bands in trench |         |                  |              |              |              |
|   | Ft. run | 2 10             | 3 7          | 4 8          | 7 0          |
|   | No.     | 14 11            | 26 7         | 36 6         | 48 9         |
| <i>Extra for 45° bends and joints...</i>  |         |                  |              |              |              |
| Cast-iron special castings to B.S.78, including caulked lead joint and detachable joint:                                      |         |                  |              |              |              |
| <i>Extra for:</i>   |         |                  |              |              |              |
| 45° bends as Table 7  | No      | 18 0             | 29 0         | 37 9         | 68 6         |
| 45° angle branch as Table 19..  | "       | 52 6             | 63 0         | 109 3        | 199 6        |
| Tee as Table 20.....  | "       | 30 0             | 42 6         | 56 0         | 102 0        |
| Hydrant tee as Table 21 .....   | "       | 41 3             | 51 6         | 63 6         | 100 0        |
|   |         | 2"-3"            | 2"-4"        | 3"-4"        | 4"-6"        |
|   |         | <i>s. d.</i>     | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| Taper as Table 18.....  | "       | —                | 26 0         | 29 6         | 58 3         |
|   |         | 2"               | 3"           | 4"           | 6"           |
| Socket to flange-piece as Table 22 .....  | "       | 22 0             | 25 9         | 31 0         | 53 6         |
| Spigot to flange-piece as Table 22 .....  | "       | 22 0             | 25 9         | 31 0         | 53 6         |
| <b>GAS MAINS</b>  |         |                  |              |              |              |
| <i>For excavation, see "Drainlayer."</i>  |         |                  |              |              |              |
| Cast-iron spigot and socket pipes to B.S.78, Class A, and laying and jointing with caulked joints in trench                   |         |                  |              |              |              |
|   | Ft. run | 4 11             | 6 11         | 10 4         |              |
| Spun cast-iron spigot and socket spigot and socket pipes to B.S 1211 and laying as above.                                     |         |                  |              |              |              |
|   | "       | 4 5              | 5 7          | 8 4          |              |
| <i>Extra for:</i>   |         |                  |              |              |              |
| 45° bend as Table 7 .....   | No.     | 29 3             | 38 0         | 73 6         |              |
| 45° angle branch as Table 19..  | "       | 46 0             | 64 3         | 115 6        |              |
| Tee as Table 20.....  | "       | 42 6             | 57 9         | 102 3        |              |
|   |         | 2"-3"            | 2"-4"        | 3"-4"        | 4"-6"        |
|   |         | <i>s. d.</i>     | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| Taper as Table 18.....  | "       | 25 6             | 30 3         | 32 6         | 60 0         |
|   |         | 3"               | 4"           | 6"           |              |
|   |         | <i>s. d.</i>     | <i>s. d.</i> | <i>s. d.</i> |              |
| Plug as Table 23 .....  | "       | 15 3             | 19 6         | 35 6         |              |
| Cap as Table 24 .....   | "       | 16 9             | 21 6         | 38 0         |              |
| Socket to flange-piece as Table 22 .....  | "       | 23 0             | 28 3         | 49 6         |              |
| Spigot to flange-piece as Table 22 .....  | "       | 21 6             | 27 0         | 48 3         |              |



*External Works, Fences*

| Item  | Unit    | Height of fence |                |                |           |
|---|---------|-----------------|----------------|----------------|-----------|
|   |         | 3' 0"           | 3' 6"          | 4' 0"          | 4' 6"     |
| <b>FENCING</b>  |         |                 |                |                |           |
| Cleft chestnut paling with 2 lines of wire, spaced 2" apart, including 2½" diameter posts let 2' 0" into ground at 9' 0" centres . . . . .  | Yd. run | s. d. 5 8       | s. d. 6 8      | s. d. 7 7      | s. d. 8 5 |
| <i>Extra for 3" × 3" end or angle post let 2' 0" into ground with 3" × 2" strut . . . . .</i>   | No.     | 9 3             | 10 4           | 11 4½          | 12 5      |
| Post and wire fencing consisting of concrete posts 4" × 4" at base tapering to 3" × 3" at top, at 9' 0" centres and let 2' 0" into ground and threading three strands of No. 10 gauge galvanized wire through posts . .                                   | Yd. run | 6 0½            | 6 8            | 7 3            | 7 9½      |
| <i>Extra for 4" × 4" end post with one 3" × 3" strut and straining fittings and surrounding ends with concrete . . . . .</i>  | No.     | 32 0            | 35 4           | 38 10          | 41 3      |
| <i>Extra for 4" × 4" corner posts with two 3" × 3" struts and double straining fittings and surrounding ends with concrete . .</i>  | "       | 47 9            | 50 11          | 56 2           | 61 2      |
|   |         | 3' 0"<br>s. d.  | 4' 0"<br>s. d. | 6' 0"<br>s. d. |           |
| Galvanized chain link fencing of No. 10½ gauge wire to 2" mesh with straining wires and fixing to and including 1½" × 1½" × ½" steel angle section intermediate posts spaced at 10' 0" centres let 2' 0" into ground . . . . .                            | Yd. run | 6 11½           | 8 8            | 12 7           |           |
| <i>As above but aluminium alloy wire . . . . .</i>  | "       | 8 6             | 10 10½         | 15 10½         |           |
| <i>Extra for 2" × 2" × ½" steel angle section end posts with strut and let 2' 0" into ground and surrounding ends with concrete . .</i>   | No.     | 30 7½           | 35 6           | 52 0           |           |
| <i>Corner posts with two struts as above . . . . .</i>  | "       | 45 10           | 50 5           | 73 3           |           |
| Galvanized chain link fencing of No. 10½ gauge wire to 2" mesh and with three rows straining wires and fixing to and including reinforced concrete posts with 4" × 4" base tapering to 3" × 3", spaced at 10' 0" centres and let 2' into ground . . . . . | Yd. run | 8 11            | 11 1½          | 16 5           |           |
| <i>As above but aluminium alloy wire . . . . .</i>  | "       | 10 6            | 13 4½          | 19 8           |           |
| <i>Extra for reinforced concrete end posts as above with one 3" × 3" strut and let 2' 0" into ground and surrounding ends with concrete . . . . .</i>   | No.     | 35 9½           | 42 0           | 58 0           |           |
| <i>Extra for corner post as above but with two 3" × 3" struts . . . .</i>   | "       | 53 4            | 60 11          | 85 3           |           |

*External Works, Fences*

| Item  | Unit    | Height of fence |              |              |
|---|---------|-----------------|--------------|--------------|
|   |         | 3' 0"           | 4' 6"        | 6' 0"        |
| <b>FENCING—continued</b>  |         |                 |              |              |
|   |         | <i>s. d.</i>    | <i>s. d.</i> | <i>s. d.</i> |
| Close-boarded oak fencing consisting of 4" × 5" posts spaced 9' 0" apart, two lines of arris rails ex. 3" × 3", 1" × 6" gravel board with centre stump. Panels filled in with sawn pales . . . . .  | Yd. run | 15 9            | 20 7½        | —            |
| <i>As above</i> but with three lines of arris rails . . . . .   | "       | —               | —            | 28 6         |
|   |         | 4' 0"           | 5' 0"        | 6' 0"        |
|   |         | <i>s. d.</i>    | <i>s. d.</i> | <i>s. d.</i> |
| Fencing consisting of 4" × 5½" reinforced concrete posts spaced at 8' 0" centres and let 2' 0" into the ground, three 2½" × 3½" reinforced concrete rails with impregnated timber core, 1½" × 6" reinforced concrete gravel boards with one 4" × 3" reinforced concrete gravel board stump per bay, the fence filled in with: |         |                 |              |              |
| Reinforced concrete pales:  | Yd. run |                 |              |              |
| Open . . . . .  | run     | 47 3            | 61 8         | 67 4         |
| Close . . . . .   | "       | 64 4            | 76 9         | 88 3         |
| Chestnut, fir or larch half-round pales . . . . .   | "       | 43 4            | 50 6         | 60 10        |
| Sawn oak pales . . . . .  | "       | 36 5            | 42 0         | 53 10        |
|   |         |                 | <i>s. d.</i> |              |
| <i>Extra for:</i>   |         |                 |              |              |
| Twice weathered oak capping on 2" × 1" oak counter rail . .   | Ft. run |                 | 1 0          |              |
| Surrounding ends of posts with concrete . . . . .   | "       |                 | 0 6½         |              |



**PART II**  
**APPROXIMATE ESTIMATING**



## PART II

# APPROXIMATE ESTIMATING

### DIRECTIONS

PRICES per ft. cube, etc., given under this section are intended to cover all normal services and built-in equipment and, in addition, such work externally as is normally included in the same contract (e.g. for houses, work within the curtilages but not estate roads, and main services, and for schools, playgrounds, drives, and paths but not playing fields). The prices do not allow for furniture, loose or special equipment and are, of course, exclusive of fees for professional services (see Part III).

Unfortunately, post-war building has been limited to a comparatively few types and it has been found necessary to base many of the prices upon pre-war values, plus a percentage for increased costs. Such a procedure is complicated by the fact that building standards have changed, as well as building costs. In some cases improved amenities and equipment are insisted upon, but in others a strictly utilitarian standard must still be maintained. As these factors have been taken into consideration, wherever possible, it should be stressed that the difference between these prices and 1939 prices is not necessarily attributable solely to fluctuations in the cost of building.

For these reasons, "cubing" must, inevitably, remain a somewhat doubtful means of estimating until there are a sufficient number of new examples in existence and the equipment and finish likely to be regarded as standard, is better known.

Labour is still scarce, and building in comparatively isolated districts, as frequently happens for buildings such as schools, may necessitate importing labour from other areas. The prices per ft. cube do not include these additional costs, but guidance is given in the Directions to Part I.

As in the 74th edition no alternative prices for London and the provinces have been given, as jobs in isolated districts are frequently more costly than those in built-up areas, due to labour shortages and the necessity for paying travelling

and subsistence allowances. Further comments upon the latter appear under the Directions to Part I.

#### APPROXIMATE QUANTITIES

Estimating by means of priced approximate quantities is nearly always more accurate than by cubing, and this is particularly so today. The prices in this section are based upon the "Prices for Measured Work" contained in Part I, but allow for incidentals which would normally be measured separately in a full Bill of Quantities. They do not include for preliminaries, water, and insurances, etc., details of which are given in Part I and which normally amount to approximately 10% of the value of the measured work (see also Directions to Part I).

Under this heading prices are also given for the specialists' work for which it was impracticable to include accurate prices in Part I under the general heading of "Prices for Measured Work." It has been assumed that the specialist would be employed as sub-contractors and the prices include 5% for the general contractor's overhead charges and profit in addition to the specialist's charges.

#### CONVERSION TABLES

It is possible to determine from the conversion tables the effect upon the cost of a typical building (a house) of a fluctuation in the price of one of the principal materials, e.g. timber, or a change in the rates of wages.

The effect of the fluctuations in labour costs should be self-evident from the tables. As regards materials, most of the trades are concerned primarily with a particular material such as roofing slates, timber, steel, glass, or paint. If, for example, the price of steel has risen by 20% the effect upon the trade (Steel and Ironworker) is 20% of 80%, viz. 16%, similarly, as this trade represents 3% of the total building cost, the latter will have been affected by 0.48%. Reference to the Table should make this clear.

It should hardly be necessary to emphasise the fact that a house cannot be considered representative of all types of buildings, as even houses vary considerably in character and design, particularly at the present time. For this reason the conversion tables should be used only for rough and approximate calculations. If their application is restricted to the comparatively small fluctuations that are likely to occur during the next year, the tables offer useful guidance. On the other hand, conversion tables applied to the very considerable fluctuations which have occurred since 1939 may very well be extremely misleading.

## CUBES

|                                   | Per ft. cube               |
|-----------------------------------|----------------------------|
| Assembly Halls .....              | 3s. 6d.                    |
| Banks .....                       | 4s. 6d.                    |
| Barns .....                       | 2s. 0d.                    |
| Barracks .....                    | 3s. 3d.                    |
| Baths (Public) .....              | 3s. 10d.                   |
| Chapels (Plain) .....             | 2s. 10d.                   |
| Churches .....                    | 4s. 0d.                    |
| Cinemas .....                     | 4s. 0d.                    |
| Colleges .....                    | 4s. 9d.                    |
| Cow Houses .....                  | 2s. 6d.                    |
| Crematoriums .....                | 5s. 0d.                    |
| Dairies .....                     | 3s. 5d.                    |
| Drill Halls .....                 | 2s. 6d.                    |
| Factories:                        |                            |
| (a) Single Storey .....           | 2s. to 3s.                 |
| (b) Multi-Storey .....            | 3s. to 3s. 9d.             |
| Fire Stations .....               | 3s. 9d.                    |
| Flats:                            |                            |
| (a) Working Class .....           | 3s. 3d.                    |
| (b) Middle Class .....            | 4s. 0d.                    |
| Garages .....                     | 2s. 6d.                    |
| Hospitals .....                   | 5s. 6d.                    |
| Hotels .....                      | 5s. 0d.                    |
| Houses:                           |                            |
| (a) Local Authority (Urban) ..... | Per ft. super.<br>26s. 6d. |
| (b) Middle Class .....            | Per ft. Cube<br>3s. 3d.    |
| Laboratories .....                | 4s. 0d.                    |
| Laundries .....                   | 3s. 6d.                    |
| Libraries .....                   | 4s. 0d.                    |
| Municipal Buildings .....         | 5s. 0d.                    |
| Offices .....                     | 4s. 0d.                    |
| Police Stations .....             | 4s. 0d.                    |
| Post Offices .....                | 3s. 10d.                   |
| Public Houses .....               | 4s. 0d.                    |
| Schools .....                     | 3s. 8d.                    |
| Sheds .....                       | 1s. 9d.                    |
| Shops .....                       | 3s. 9d.                    |
| Theatres .....                    | 4s. 3d.                    |



## APPROXIMATE ESTIMATES

| Item   | Unit       | Thickness of walls |               |       |       |
|--|------------|--------------------|---------------|-------|-------|
|  |            | 9"                 | 11"<br>hollow | 13½"  |       |
|  |            | s. d.              | s. d.         | s. d. | s. d. |
| <b>FOUNDATIONS</b>   |            |                    |               |       |       |
| Excavation in heavy soil for foundations 2' 6" deep to walls, including 12" thick concrete (1 : 3 : 6) foundations, brickwork in rough stocks in cement mortar (1 : 4) to 6" above ground, horizontal double slate damp-proof course and with external facings, p.c. 175s. per 1000 and pointing . . . . .   | Yd. run    | 50 6               | 55 6          | 64 0  | —     |
| <i>Extra for each additional 12" in depth</i> . . . . .  | "          | 14 6               | 16 9          | 20 0  | —     |
| <b>EXTERNAL WALLS</b>  |            |                    |               |       |       |
| External walls in Fletton brickwork in cement-lime mortar (1 : 1 : 9), including three-coat lime plaster twice distempered internally and facings, p.c. 175s. per 1000 in Flemish bond (stretcher bond in cavity work) the joints raked out and pointed with a neat struck weathered joint externally. . . . | Yd. super. | 37 6               | 36 6          | 48 6  | —     |
| <i>As above</i> including Keene's cement plain face painted three coats oil colour internally . . .  | "          | 40 6               | 39 3          | 41 3  | —     |
| <i>As above</i> including internal fair face flush pointed internally. .   | "          | 33 0               | 32 0          | 44 0  | —     |
| <i>Add or deduct</i> for variation of 10s. per 1000 in p.c. of facings in Flemish bond (stretcher bond in cavity work) . . . . .   | "          | —                  | —             | —     | 0 6½  |
| <b>INTERNAL WALLS AND PARTITIONS</b>   |            |                    |               |       |       |
| Breeze partition or Fletton brick walls set in cement mortar built fair and flush pointed both sides. . . . .  | "          | 7 9                | 10 9          | 13 6  | 25 0  |
| <i>As above</i> , including three-coat lime plaster twice distempered and 1" x 3" painted deal skirting both sides . . . . .   | "          | 21 0               | 24 0          | 27 0  | 38 3  |
| <i>As above</i> , including Keene's cement plain face painted three coats of oil colour, 3" coved plaster cornice, 1" x 6" painted deal skirting and painted deal picture rail both sides . . . . .  | "          | 31 3               | 34 3          | 37 3  | 48 6  |
| <i>Add to the above</i> for hollow clay partition blocks in lieu of breeze.  | "          | 0 4                | 0 10½         | —     | —     |

| Item   | Unit       | Price |
|--|------------|-------|
| <b>GROUND FLOORS</b>   |            |       |
| Solid ground floor construction including 9" excavation, 4" bed of hardcore and 6" concrete (1 : 3 : 6) surface bed, finished with 1" granolithic paving trowelled smooth .....  | Yd. super. | 17 9  |
| <i>As above</i> finished with $\frac{3}{4}$ " cement and sand (1 : 4) screed and 1" (nominal) English oak block flooring p.c. 42s. 0d. per yd. super. polished at time of laying   | ..         | 62 6  |
| <i>As above</i> finished with 2" x 2" sawn floor fillets and floor clips and 1" deal tongued-and-grooved flooring .....  | ..         | 30 0  |
| <i>As above</i> finished with floor fillets as before and 1" (nominal) maple tongued and grooved strip flooring in narrow widths polished at time of laying ..   | ..         | 66 0  |
| <i>Add to the above items</i> for each additional 6" of excavation and disposal .....  | ..         | 1 3   |
| Sleeper wall ground floor construction including 15" excavation, 4" bed of hard-core, 6" concrete (1 : 3 : 6) surface bed, 4 $\frac{1}{2}$ " sleeper walls in rough stocks 12" high built honeycomb, slate damp-proof course, 2" x 4" fir plate, 2" x 4" joists and 1" deal tongued-and-grooved flooring ..... | ..         | 37 9  |
| <i>As above</i> with 1" (nominal) maple tongued-and-grooved strip flooring in narrow widths polished at time of laying .....   | ..         | 60 0  |
| <i>Add to last two items</i> for each additional 12" of sleeper walls, excavation and disposal .....   | ..         | 6 3   |

**UPPER FLOORS**

Wood construction including 2" fir joists on 2" x 4" fir plates and herring-bone strutting with  $\frac{3}{4}$ " plaster board and  $\frac{1}{4}$ " skimming coat of hard plaster twice whitened and 1" deal tongued-and-grooved flooring in batten widths .....

*As above* with 1" (nominal) maple tongued-and-grooved strip flooring in narrow widths polished at time of laying .....

| Unit       | With 7" joists | With 9" joists | With 11" joists |
|------------|----------------|----------------|-----------------|
|            | s. d.          | s. d.          | s. d.           |
| Yd. super. | 32 6           | 35 0           | 37 6            |
| ..         | 68 6           | 71 0           | 73 6            |

|  | Unit       | Price |
|--|------------|-------|
|  |            | s. d. |
| 5" thick concrete (1 : 2 : 4) reinforced with fabric (suitable at 13' 0" spans for carrying $\frac{3}{4}$ cwt. per ft. super.) rendered and set in hard wall plaster twice whitened and with 1" (nominal) Swedish softwood block flooring wax polished at time of laying ..... | Yd. super. | 67 6  |
| <i>As above</i> with 1" (nominal) Burma teak block flooring polished at time of laying .....   | ..         | 91 0  |

| Item   | Unit       | Price        |
|--|------------|--------------|
| <b>CEILINGS</b>  |            | <i>s. d.</i> |
| 2" × 4" fir ceiling joists on 2" × 4" plates with 3" × 4" binders and 1½" × 4" hangers, ½" plaster board and ¼" skimming coat of hard plaster twice whitened ..... | Yd. super. | 14 6         |

**FLAT ROOFS**

| Wood construction, including 2" fir joists and firrings on 2" × 4" fir plates and herring-bone strutting with ½" plaster board and ¼" skimming coat of hard plaster twice whitened and ¾" asphalt roof finish ..... | Unit | With 7" joists | With 9" joists | With 11" joists |
|---|------|----------------|----------------|-----------------|
|   |      | <i>s. d.</i>   | <i>s. d.</i>   | <i>s. d.</i>    |
| Yd. super.  | 63 0 | 65 6           | 68 0           |                 |

| 5" thick concrete (1 : 2 : 4) reinforced with fabric (suitable at 13' 0" span for carrying 40 lb. per ft. super.) rendered and set in hard wall plaster twice whitened and with ¾" asphalt roof finish ..... | Unit | Price        |
|--|------|--------------|
|  |      | <i>s. d.</i> |
| Yd. super.   | 61 0 |              |

**PITCHED ROOFS (suitable for 20' 0" to 30' 0" span)**

|   |         |      |
|---|---------|------|
| Welsh 20" × 10" slating laid to a 3" lap and fixed with galvanized nails to ½" × 1" battens, including felt and 2" × 4" fir rafters, struts and collars and 2" × 7" purlins (measured on slope) ..... | "       | 40 6 |
| Machine-made tiles 10½" × 6½" laid to a 4" gauge, every fourth course nailed with galvanized nails <i>as above</i> ...  | "       | 26 0 |
| Hand-made sand-faced tiles <i>as above</i> .....  | "       | 27 6 |
| Slate ridges, including cuttings and 1" × 6" deal ridge ..  | Ft. run | 13 0 |
| Half-round ridge tile <i>as above</i> .....   | "       | 4 1  |
| Slate hips, including cuttings and 1½" × 7" deal hips ....  | "       | 15 0 |
| Bonnet hip tiles, <i>as above</i> .....   | "       | 7 9  |
| Purpose-made valley tiles, including cuttings and 1½" × 7" deal valleys .....   | "       | 7 0  |

|  | Unit    | Type and size of gutter |              |              |
|--|---------|-------------------------|--------------|--------------|
|  |         | Half-round              |              | O.G.         |
|  |         | 4"                      | 5"           | 4½"          |
| <b>EAVES</b>   |         |                         |              |              |
| 1" deal fascia plugged to concrete or brickwork with cast-iron gutter and painting, including 4 lb. lead apron dressed between layers of roofing and into gutter ..... | Ft. run | <i>s. d.</i>            | <i>s. d.</i> | <i>s. d.</i> |
| 9" projecting eaves to pitched roof consisting of 1" deal fascia and ¾" deal soffit with cast-iron gutter and painting .....   | "       | 8 6                     | 9 0          | 9 0          |
|  | "       | 4 7                     | 5 3          | 5 2½         |

| Item  | Unit | Diameter of pipe |            |       |       |
|---|------|------------------|------------|-------|-------|
|   |      | 2"               | 3"         | 4"    |       |
| <b>RAINWATER PIPES</b>  |      |                  |            |       |       |
| 20' 0" length of cast-iron rainwater pipe with swanneck and shoe fixed to wall with pipe nails and distance pieces and painting .<br><i>Add or deduct for each 12" variation in length.....</i>   | No.  | 87 6             | 107 6      | 127 3 |       |
|   | "    | 3 6              | 4 9        | 5 3   |       |
| <b>DOORS</b>  |      |                  |            |       |       |
| <i>Internal:</i>  |      |                  |            |       |       |
| <i>Extra over wall or partition built fair and flush pointed both sides, for 1½" deal standard four-panel door, size 2' 6" x 6' 6", p.c. 36s. 3d., with ironmongery p.c. 20s. 6d., deal frame or linings, simple architrave both sides, all primed and painted two coats and including concrete lintel, finishes to reveals and flooring in opening</i>   | No.  | 150 0            | 154 0      | 153 0 | 136 0 |
|   | "    | 140 0            | 145 0      | 128 6 | 142 0 |
| <i>Extra over wall or partition finished with three coats lime plaster twice distempered both sides for door as above . . . .</i>   | "    | 127 6            | 132 6      | 116 6 | 130 0 |
|   | "    | 423 0            | 453 0      | 430 0 | 470 0 |
| <i>Thickness of wall or partition</i>   |      |                  |            |       |       |
| <i>Extra over wall or partition finished with Keene's cement plain face painted three coats of oil colour both sides for door as above . . . . .</i>  | No.  | 9"               | 11" hollow | 13½"  |       |
|   | "    | s. d.            | s. d.      | s. d. |       |
| <i>Add to above if hardwood door p.c. £17 10s. 0d., with ironmongery p.c. 29s. 0d., and wood frame and architraves, polished . . . . .</i>  | "    | 163 0            | 227 0      | 160 0 |       |
|   | "    |                  |            |       |       |
| <i>Thickness of wall</i>  |      |                  |            |       |       |
| <i>External:</i>  |      | 9"               | 11" hollow | 13½"  |       |
|   |      | s. d.            | s. d.      | s. d. |       |
| <i>Extra over wall in Fletton bricks finished with three-coats lime plaster twice distempered internally and facings p.c. 175s. per 1000 externally, for 2" deal standard door, flush both sides, size 2' 9" x 6' 6" p.c. 46s. 0s., with ironmongery p.c. 18s. 0d., deal frame and oak threshold, cover fillet one side, all primed and painted two coats and including brick-on-end arch with arch bar externally, concrete lintel internally, finishes to reveals, flooring in opening and brick-on-edge step . . . . .</i> | "    | 163 0            | 227 0      | 160 0 |       |
|   | "    |                  |            |       |       |

| Item  | Unit       | Thickness of wall |               |       |
|---|------------|-------------------|---------------|-------|
|   |            | 9"                | 11"<br>hollow | 13½"  |
|   |            | s. d.             | s. d.         | s. d. |
| <b>DOORS—continued</b>  |            |                   |               |       |
| <i>External—continued</i>   |            |                   |               |       |
| Extra over wall in Fletton bricks finished with Keene's cement plain face, painted three coats of oil colour internally and facings p.c. 175s. per 1000 for door as above .....                 | No.        | 150 0             | 224 0         | 164 0 |
| Add to the above if hardwood door p.c. £19 5s. 0d., with ironmongery p.c. 18s. 0d., and hardwood frame and cover fillet, polished .....   | "          | 422 6             |               |       |
| <b>WINDOWS</b>  |            |                   |               |       |
| <i>Prices are for normal sizes including suitable ironmongery, glazing with 24 oz. clear sheet glass and painting two coats:</i>  |            |                   |               |       |
| Extra over wall in Fletton bricks finished with three coat lime plaster twice distempered internally and facings p.c. 175s. per 1000 externally, for standard metal casements with fixed lights | Ft. super. | 6 0               | 6 1           | 4 9   |
| Extra as above for standard metal casements with average proportion of opening lights .....   | "          | 5 6               | 5 7           | 4 3   |
| Extra as above for standard industrial type metal sashes with fixed lights .....  | "          | 5 4               | 5 5           | 4 1   |
| Extra as above for standard industrial type metal sashes with average proportion of opening lights .....  | "          | 5 7               | 5 8           | 4 4   |
| Extra as above for standard deal frames and sashes with average proportion of opening lights ..   | "          | 1 4               | 1 5           | —     |
| Extra as above for deal-cased frames and double-hung sashes   | "          | 9 0               | 9 1           | 7 9   |
| Add to the above if wall built fair and flush pointed internally ..   | "          | 0 6½              | 0 6½          | 0 6½  |
| Deduct from the above if wall finished with Keene's cement plain face painted three coats of oil colour internally .....  | "          | 0 4               | 0 4           | 0 4   |
| Add to the above for 9" brick-on-end arch and arch bar with concrete lintel at back and cavity gutter where necessary, artificial stone sill and deal window-board .....                        | Ft. run    | 14 0              | 30 0          | 23 0  |
| Add to the above for both reveals, including finishes externally and internally and sealing cavity where necessary .....  | "          | 3 0               | 5 4           | 3 2   |

| Item  | Unit | Price   |
|---|------|---------|
|   |      | £ s. d. |
| <b>STAIRCASES</b>   |      |         |
| Deal staircase 3' 0" wide and one storey (9' 0") high with 1" treads and 3/4" risers housed to 1 1/2" strings, 1" half space landing, 3" x 4" framed carriage and bearers, 4" x 4" square newels, 1" x 1" square balusters and oak hand-rail, deal primed, and painted two coats and handrail polished..... | No.  | 35 15 0 |
| Oak staircase <i>as above</i> with 1 1/2" treads and 1" risers housed to 1 1/2" strings, 1 1/2" half space landing, 3" x 4" framed carriage and bearers, 4" x 4" turned newels, 1 1/2" x 1 1/2" turned balusters and handrail, polished.....  | ..   | 95 5 0  |
| <i>Add or deduct for each 12" variation in storey height:</i>   |      |         |
| Deal staircase.....   | ..   | 2 18 0  |
| Oak staircase.....  | ..   | 7 18 0  |
| Reinforced concrete staircase 3' 0" wide and one storey (9' 0") high with half space landing, all finished with granolithic sprinkled with carborundum, and with plain iron balusters and handrail, painted.....  | No.  | 44 15 0 |
| <i>As above</i> finished with terrazzo and with ornamental iron balustrade, painted.....  | ..   | 86 5 0  |
| <i>Add or deduct for each 12" variation in storey height of concrete staircase:</i>   |      |         |
| Finished with granolithic.....  | ..   | 4 10 0  |
| Finished with terrazzo.....   | ..   | 9 0 0   |

|  | Unit | Width    |         |           |
|--|------|----------|---------|-----------|
|  |      | 2' 6"    | 3' 0"   | 3' 6"     |
|  |      | £ s. d.  | £ s. d. | £ s. d.   |
| Straight iron stairs one storey (9' 0") high with cast-iron perforated treads and landing plates (no risers), strings, plain iron balusters and handrail, painted..... | No.  | 63 0 0   | 65 17 6 | 67 5 10 0 |
|  | ..   | 6 12 6   | 6 18 0  | 8 10 0    |
|  |      | Diameter |         |           |
|  |      | 3' 6"    | 4' 6"   | 6' 0"     |
|  |      | £ s. d.  | £ s. d. | £ s. d.   |
| Circular iron stairs one storey (9' 0") high, <i>as above</i> .....  | ..   | 49 10 0  | 57 17 6 | 68 6 0 0  |
|  | ..   | 5 2 6    | 6 4 0   | 9 2 6     |

| Item   | Unit    | Price        |              |                |              |
|--|---------|--------------|--------------|----------------|--------------|
|  |         | 4"           |              | 6"             |              |
|  |         | Sec.         | B.S.         | Sec.           | B.S.         |
|  |         | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i>   | <i>s. d.</i> |
| <b>DRAINS</b>  |         |              |              |                |              |
| Stoneware drain pipes laid in trench on 6" concrete bed flanchued up both sides of pipe including excavation in normal soils average 3' 0" deep, earth returned, filled in, and rammed.  | Ft. run | 6 6          | 6 9          | 7 6            | 8 0          |
| <i>Add for each 12" additional depth, up to 5' 0" deep</i>   | "       | 1 2          | 1 2          | 1 2            | 1 2          |
| <i>Add for each 12" additional depth, over 5' 0" deep and up to 10' 0" deep</i>  | "       | 1 9          | 1 9          | 1 9            | 1 9          |
|  |         | 4"           |              | 6"             |              |
|  |         | <i>s. d.</i> |              | <i>s. d.</i>   |              |
| Cast-iron drain pipes in 9' 0" lengths laid in trench on 6" concrete bed including excavation in normal soils average 3' 0" deep, earth returned, filled in, and rammed  | "       | 13 4         |              | 18 4           |              |
| <i>Add for each 12" additional depth, up to 5' 0" deep</i>   | "       | 1 2          |              | 1 2            |              |
| <i>Add for each 12" additional depth, over 5' 0" deep and up to 10' 0" deep</i>  | "       | 1 9          |              | 1 9            |              |
|  |         | Unit         |              | Price          |              |
|  |         |              |              | £ <i>s. d.</i> |              |
| <b>MANHOLES</b>  |         |              |              |                |              |
| Manhole 2' 3" x 1' 6" x 2' 0" deep internally, including excavation in normal soil, 6" concrete (1 : 3 : 6) bottom, brown glazed half-round straight main channel and benching, one-brick sides in Flettons in cement mortar (1 : 4) rendered in cement and sand (1 : 4) and with 24" x 18" single-seal cast-iron manhole cover and frame (suitable for not more than two branch channels each side) | No.     | 8            | 2            | 0              |              |
| <i>Add for each 12" additional depth, up to 4' 6" deep internally</i>  | "       |              | 2            | 7              | 0            |
| Manhole 3' 4½" x 2' 3" x 2' 0" deep internally, as above and with concrete top perforated for cast-iron cover and frame (suitable for not more than three branch channels each side)   | "       | 12           | 10           | 0              |              |
| <i>Add for each 12" additional depth up to 4' 6" deep internally</i>   | "       |              | 3            | 2              | 6            |
| Manhole 4' 6" x 2' 7½" x 5' 0" deep internally, all as last (suitable for not more than four branch channels each side)  | "       | 28           | 17           | 6              |              |
| <i>Extra for 2' 3" x 2' 3" shaft for each 12" additional depth up to 9' 6" deep internally</i>   | "       |              | 3            | 5              | 0            |
| <i>Extra for branch channels only:</i>   |         |              |              |                |              |
| 4"   | "       |              | 15           | 0              |              |
| 6"   | "       |              | 1            | 1              | 0            |

| Item  | Unit       | Price |
|---|------------|-------|
| <i>s. d.</i>  |            |       |
| <b>EXTERNAL WORKS</b>   |            |       |
| Excavation over site, average 9" deep, to remove vegetable soil, including carting to temporary spoil heap and subsequent wheeling, spreading, and levelling: |            |       |
| By hand .....   | Yd. super. | 2 1   |
| By machine .....  | "          | 1 3   |
| Excavation not exceeding 12" deep to reduce levels, including carting to temporary spoil-heap and subsequent wheeling, spreading, and levelling:              |            |       |
| By hand .....   | "          | 3 0   |
| By machine .....  | "          | 1 6   |
| Add for each 12" additional depth of excavation to reduce levels, as above:   |            |       |
| By hand .....   | "          | 3 0   |
| By machine .....  | "          | 1 6   |
| 2" (finished) gravel paving on 4" bed of hardcore, including 6" excavation and wheeling, spreading and levelling earth .....                                  | "          | 5 6   |
| 2" tar paving on 4" bed of hardcore, including 6" excavation and wheeling, spreading and levelling earth .....  | "          | 10 6  |
| 2" pre-cast concrete paving on 4" bed of ashes, including 6" excavation and wheeling, spreading and levelling earth .....                                     | "          | 14 0  |
| Edging boards to paving .....   | Ft. run    | 1 2   |

|   | Unit    | Width of road |              |              |
|---|---------|---------------|--------------|--------------|
|   |         | 16' 0"        | 20' 0"       | 24' 0"       |
|   |         | <i>s. d.</i>  | <i>s. d.</i> | <i>s. d.</i> |
| Tarmacadam road (excluding excavation) of 9" hardcore well rolled with a heavy roller, blinded with suitable material and finished with tarmacadam 3" thick, including pre-cast concrete channelling and kerbs ..   | Ft. run | 36 0          | 42 0         | 47 6         |
| Concrete road (excluding excavation) of 6" hardcore well rolled with a heavy roller, blinded with suitable material and finished with 6" concrete (1:2:4) in bays with 1/2" expansion joints and reinforced with steel fabric, including forming channels and pre-cast concrete kerbs ..... | "       | 37 0          | 43 0         | 50 0         |
|   |         | <i>s. d.</i>  |              |              |
| Cleft chestnut pale fencing 4' 0" high .....  | Yd. run | 10 0          |              |              |
| Galvanized chain link fencing 4' 0" high with steel angle-posts .....   | "       | 12 6          |              |              |
| As above with concrete posts..  | "       | 16 3          |              |              |



| Item   | Unit                | Price               |                   |
|--|---------------------|---------------------|-------------------|
|  |                     | Houses              | Flats             |
| <b>PLUMBING AND HOT WATER SERVICES</b>   |                     |                     |                   |
| £ s. d.  |                     |                     |                   |
| Low-pressure hot water heating installation complete, including boiler, feed tanks, pipework, etc.   | Per radiator        | 37 0 0              | 30 0 0            |
| Hot water installation complete, including boiler, hot water tank or cylinder, pipework, etc. . . .  | Per point           | 13 15 0             | 12 5 0            |
| Plumbing, including connection to main, cold water supplies, services, soil, and waste pipes, etc., and supplying and fixing sanitary fittings of the p.c. value stated: |                     |                     |                   |
| Bath (p.c. £18 10s.) . . . . .   | Each                | 35 0 0              | 36 15 0           |
| W.C. (p.c. £6) . . . . .   | "                   | 28 15 0             | 26 15 0           |
| Sink (p.c. £4 15s.) . . . . .  | "                   | 18 5 0              | 20 10 0           |
| Lavatory basin (p.c. £4 15s.) . . . . .  | "                   | 17 5 0              | 17 5 0            |
| <b>Cost per point</b>  |                     |                     |                   |
|  | 2 ampère (lighting) | 5 ampère (lighting) | 15 ampère (power) |
|  | £ s. d.             | £ s. d.             | £ s. d.           |
| <b>ELECTRICAL INSTALLATION</b>   |                     |                     |                   |
| <i>Wiring complete (excluding lamps and shades):</i>   |                     |                     |                   |
| Pyrotennax copper-sheathed cable . . . . .   | 4 3 0               | 5 4 0               | 7 0 0             |
| Welded steel screwed conduit and C.M.A. cable . . . . .  | 3 8 3               | 4 4 0               | 5 11 3            |
| Brazed conduit with continuity-grip fittings and C.M.A. cable . . . . .  | 3 0 10              | 3 13 6              | 5 4 0             |
| Lead covered C.M.A. cable . . . . .  | 2 18 9              | 3 15 7              | 4 14 6            |
|  | Unit                | Price               |                   |
|  | Per point           | £ s. d.             |                   |
| Fluorescent lighting wired and fixed complete . . . . .  | "                   | 14 19 3             |                   |
| Wiring complete for cooker (excluding cooker) . . . . .  | "                   | 7 1 9               |                   |
| Wiring complete for immersion heater (excluding immersion heater) . . . . .  | "                   | 5 13 5              |                   |
|  |                     | Price               |                   |
|  |                     | £ s. d.             |                   |
| <b>GAS INSTALLATION</b>  |                     |                     |                   |
| <i>Running supply from outlet of meter and cap off for:</i>  |                     |                     |                   |
| Cooker in kitchen . . . . .  |                     | 3 0 0               |                   |
| Cooker and copper in kitchen . . . . .   |                     | 3 10 0              |                   |
| Cooker, copper and water heater in kitchen . . . . .   |                     | 5 7 6               |                   |
| Cooker, copper, water heater and refrigerator in kitchen . . . . .   |                     | 5 17 0              |                   |
| Cooker, copper, water heater and refrigerator in kitchen and point for living room fire . . . . .  |                     | 7 8 6               |                   |
| Cooker, copper, water heater and refrigerator, and points for living room fire and for fire in principal bedroom . . . . .   |                     | 9 7 6               |                   |

## SPECIALISTS' WORK

## WELLS

Wells dug and steined (bricks laid dry) including tackle, baskets, and stages, not exceeding 30 ft. deep:

| Diameter of digging | Clear diameter of brickwork | Gallons in each foot of depth | Price per foot of depth |
|---------------------|-----------------------------|-------------------------------|-------------------------|
| 7' 6"               | 6' 0"                       | 174                           | £ s. d.<br>8 1 9        |
| 8' 0"               | 6' 6"                       | 204                           | 8 7 6                   |
| 8' 6"               | 7' 0"                       | 236                           | 8 14 3                  |
| 9' 0"               | 7' 6"                       | 270                           | 9 1 6                   |
| 9' 6"               | 8' 0"                       | 308                           | 9 11 0                  |
| 10' 0"              | 8' 6"                       | 348                           | 9 19 0                  |
| 10' 6"              | 9' 0"                       | 390                           | 10 9 0                  |
| 11' 0"              | 9' 6"                       | 434                           | 11 0 6                  |
| 11' 6"              | 10' 0"                      | 481                           | 11 17 3                 |
| 12' 0"              | 10' 6"                      | 530                           | 13 6 9                  |
| 12' 6"              | 11' 0"                      | 582                           | 14 15 0                 |
| 13' 0"              | 11' 6"                      | 637                           | 16 5 6                  |

The above prices are based upon excavation in normal soils. Curbs or pumps, if required, are charged extra.

| Item  | Unit       | Price                 |             |
|---|------------|-----------------------|-------------|
|   |            | Earth, clay or gravel | Solid chalk |
|   |            | s. d.                 | s. d.       |
| Excavate for wells any diameter, including all timbering, tackle, etc., keeping out water and carting away surplus earth:                                 |            |                       |             |
| Not exceeding 20' deep .....  | Yd. cube   | 62 0                  | 66 0        |
| 20'-40' deep .....  | "          | 66 0                  | 69 3        |
| 40'-60' " .....   | "          | 70 4                  | 73 6        |
|   |            | s. d.                 |             |
| Steining wells with new 9" bricks:  |            |                       |             |
| Bricks laid dry .....   | Ft. super. | 5 9                   |             |
| Bricks laid in portland cement mortar (1 : 3) .....   | "          | 6 9                   |             |
| (Thicker steining in proportion.)   |            |                       |             |
|   |            | 4"                    | 6"          |
|   |            | s. d.                 | s. d.       |
| Boring for water through earth, clay, chalk, or gravel, depth not exceeding 60', including insertion of pipes (boring to commence at bottom of well)..... | Ft. run    | 26 9                  | 46 3        |

**Specialists' Work**

| Item  | Unit      | Price |
|---|-----------|-------|
| <b>PILING</b>   |           |       |
| <i>"Stent" G.1 Reinforced Concrete Pre-cast Piles:</i>  |           |       |
| Piles, supplying, unloading, pitching, and driving:   |           |       |
| 12" x 12", up to 30' .....  | Ft. run   | 21 0  |
| 14" x 14", up to 50' .....  | "         | 24 3  |
| Piles, dollying down and building up to ground level (up to 5'):  |           |       |
| 12" x 12" .....   | "         | 31 6  |
| 14" x 14" .....   | "         | 34 9  |
| Cutting off heads of piles, exposing reinforcement, providing formwork, building up reinforced extension and redriving pile (excluding movement of frame to redrive): |           |       |
| 12" x 12" .....   | "         | 34 9  |
| 14" x 14" .....   | "         | 37 9  |
| Cutting off heads of piles and exposing reinforcement .....   | No.       | 31 6  |
| <i>Bored piles:</i>   |           |       |
| Bored piles (average price for reasonable working conditions) .....   | Ft. run   | 27 6  |
| <i>Larssen Steel Sheet Piling:</i>  |           |       |
| Piles, supplying, unloading, pitching and driving:  |           |       |
| Section No. 1GB .....   | Ft. super | 9 1   |
| " 1U .....  | "         | 9 10  |
| " 2 .....   | "         | 10 7  |
| " 3 .....   | "         | 12 1  |
| " 10A .....   | "         | 11 1  |
| " 2/10A .....   | "         | 10 10 |

**CONCRETE SHELL ROOF CONSTRUCTION**

Normal construction, including excavation for bases, foundations, columns, roof beams and slabs cost

40 plus  $\frac{\text{Span}}{3}$  shillings

to 60 plus  $\frac{\text{Span}}{2}$  shillings

per sq. yd. of floor area covered.

Example for a roof spanning 30' 0" would cost between 50s. and 75s. per sq. yd. of floor area and one spanning 50' 0" would cost between 56s. 8d. and 85s. per square yard of floor area.

Two-ply roofing felt 6s. per sq. yd. of floor area.

$\frac{1}{4}$ " Fibre board lining 4s. per sq. yd. of floor area.

*Extra for Roof Lights (not exceeding 30% of floor area).*

Patent Glazing 50s. per sq. yd. of actual opening.

Glass and concrete lights 150s. per sq. yd. of actual opening.

**Specialists' Work**

| Item  | Price           |
|---|-----------------|
| <b>TALL CHIMNEYS</b>                                    |                 |
| £   |                 |
| Industrial type tall chimneys constructed in brickwork, |                 |
| 60' high by about 3-5' diameter .....                   | 500 - 750       |
| 80' " " " 4-6' " .....                                  | 800 - 1,000     |
| 100' " " " 4-6' " .....                                 | 1,500 - 2,000   |
| 150' " " " 6-8' " .....                                 | 2,000 - 3,000   |
| 200' " " " 12' " .....                                  | 8,000 - 10,000  |
| 300' " " " 18' " .....                                  | 20,000 - 25,000 |
| 350' " " " 20' " .....                                  | 25,000 - 30,000 |

Chimneys over 200' high can usually be constructed more cheaply in concrete.

| Item                                       | Unit       | Price |
|--|------------|-------|
| <b>HOLLOW TILE FLOORING</b>                |            |       |
|  |            | s. d  |
| Hollow tile floorings:                     |            |       |
| 4½" thick .....                            | Yd. super. | 33 0  |
| 5½" " .....                                | "          | 34 9  |
| 6" " .....                                 | "          | 37 0  |
| 7½" " .....                                | "          | 40 0  |
| Allow for casing R.S.J.s in concrete ..... | Ft. cube   | 9 6   |

**ACCOTILE FLOORING**

Prices for work under ideal conditions, i.e. supplying and fixing Accotile on cement screeded concrete sub-floors in large regular shaped areas, such as school classrooms, public halls and factory canteens, situated near the Specialists' Works.

On wood sub-floors add also 2s. 6d. per sq. yd. for supplying and fixing saturated paper felt underlay.

| Colours  | Unit      | Basic prices (supplied and fixed) |       |
|--|-----------|-----------------------------------|-------|
|  |           | ½"                                | 1½"   |
| Group A, Plains:   | Yd. super | s. d.                             | s. d. |
| Pompeian Red No. A-200 }<br>Black No. A-210 } .. .. .  |           | 14 2                              | 18 4½ |
| Group B, Marbles:  | "         | 15 9                              | 21 6  |
| Ebony No. B-305 }<br>Burgundy No. B-323 } .. .. .<br>Antique Green No. B-335 }   |           | 18 4½                             | 24 8  |
| Group C, Plain Marbles:  |           |                                   |       |
| Spanish Red No. C-205 }<br>Sea Green No. C-315 } .. .. .<br>Cinnabar, No. C-324 }<br>Tan No. C-325 }<br>Slate Grey No. C-245 } | 21 0      | 28 4                              |       |
| Group D, Marbles:  | "         |                                   |       |
| Jade Green No. D-310 }<br>Tennessee No. D-342 } .. .. .<br>Indigo No. D-356 }  |           |                                   |       |

For large Housing Schemes in areas served by approved Accotile specialists, Accotile in one colour only, A-200, may be supplied and fixed at 12s. per yard super.

**Specialists' Work****ALUMINIUM ALLOY TRUSSES**

Roof framing fabricated from Aluminium Alloy Extrusions A.W.10B BS/STA.7. Designed to conform with the requirements of B.S. Code of Practice B.S.S.449 (revised 1948), Chapter V, "Loading." Suitable for corrugated aluminium or corrugated asbestos covering (measured separately). Trusses and Purlins, including unloading, hoisting and fixing (painting unnecessary).

| Item   | Cost per sq. ft. measured over plan area. Assuming brick gables | Weight per sq. ft. measured over plan area. Assuming brick gables |
|--|---|---|
|  | s. d.   | lb.   |
| Standard 22½° pitch:                                   |   |   |
| 2'-30' span, trusses at 7' 6"-9' centres . . . . .     | 4 6½  | 1 03  |
| Up to 40' span, trusses up to 12' 6" centres . . . . . | 4 4   | 1-02  |
| Up to 50' span, trusses up to 12' 6" centres . . . . . | 4 8   | 1-08  |
| Up to 60' span, trusses up to 12' 6" centres . . . . . | 4 11  | 1-11  |
| North light, up to 30' span . . . . .                  | 4 9   | 1-06  |

**FLAGSTAFFS**

Flagstaffs of Norwegian fir or British Columbia pine wrought all round and tapered, provided with elm turned cap with 2 brass sheaves and steel pins, also 2 belaying cleats fixed with brass screws, finished two coats lead paint ready for fixing:

|  | Unit    | Price   |
|--|---------|---------|
|  |         | £ s. d. |
| Length not over 25', diameter: base 5", top 3" | Ft. run | 0 15 9  |
| " " " 35' " " 6" " 3½"                         | "       | 0 18 4  |
| " " " 45' " " 8" " 4½"                         | "       | 1 1 0   |

**LIGHTNING CONDUCTORS**

High conductivity continuous copper tape, secured at intervals of 4' with g.m. brackets:

|   |     |         |
|---|-----|---------|
| ¾" × ¼", weighing 0.361 lb. per ft. run . . . . .   | "   | 0 4 10  |
| 1" × ¼", " " 0.482 " " . . . . .  | "   | 0 5 5   |
| Solid copper elevation rods complete with three fine discharging points, 2 g.m. steadler brackets and screwed coupling piece:                                       |     |         |
| 4' 6" over all, × ½" diameter . . . . .   | No. | 3 14 0  |
| 5' 0" " × ¾" " . . . . .  | "   | 4 15 10 |
| Copper earth plates 3' × 3' × ⅛" thick, drilled and tinned ready for connecting to tape . . . . .   | "   | 7 5 9   |
| Solid copper earth electrodes 8' over all × ½" diameter, complete with turned steel driving point, steel driving head, tommy bar, and g.m. tape connector . . . . . | "   | 4 5 3   |

*Specialists' Work*

| Item  | Unit       | Price               |           |
|---|------------|---------------------|-----------|
|   |            | £                   | s. d.     |
| <b>PAVEMENT LIGHTS</b>  |            |                     |           |
| Cast-iron nibbed-top pavement lights, fixed complete.....   | Ft. super. | 1                   | 8 2       |
| <b>SCHOOL FITTINGS (supplied only)</b>  |            |                     |           |
|   | Unit       | Price               |           |
|   |            | £                   | s. d.     |
| Chairs, all wood .....  | No.        | 1 7 6               | to 1 13 0 |
| Stools, wood with metal frame .....   | "          | 1 13 0              | " 2 4 0   |
| Teacher's chairs .....  | "          | 3 6 0               | " 3 11 6  |
| Single locker desks, all wood or with fixed top shelf .....   | "          | 2 15 0              | " 3 6 0   |
| Tables:   |            |                     |           |
| Domestic science .....  | "          | 10 0 0              | " 11 0 0  |
| Craft-room .....  | "          | 7 14 0              | " 8 16 0  |
| Needlework .....  | "          | 7 14 0              | " 8 16 0  |
| Teacher's:  |            |                     |           |
| Without drawers .....   | "          | 6 1 0               | " 7 3 0   |
| With two drawers .....  | "          | 8 16 0              | " 9 18 0  |
| Benches:  |            |                     |           |
| Carpentry, size 5' x 2' 6", with vices .....  | "          | 15 8 0              | " 16 10 0 |
| Metalwork, size 10' x 2' 6", with vices.....  | "          | 50 12 0             | " 55 0 0  |
| Science, size 14' x 2' x 2' 9" with gas taps and pipes but no sinks ..                                  | "          | 50 12 0             | " 55 0 0  |
| Cupboards:  |            |                     |           |
| 6' 0" x 3' 6" x 14" deep .....  | "          | 15 8 0              | " 16 10 0 |
| 4' 0" x 4' 0" x 18" .....   | "          | 13 4 0              | " 14 6 0  |
| Bookshelves with plinth (open).....   | "          | 6 17 6              | " 7 19 6  |
| Blackboards .....   | "          | 4 8 0               | " 5 10 0  |
| Easels .....  | "          | 3 0 0               | " 3 6 0   |
| <b>CEMENT GLAZE</b>   |            |                     |           |
| Cement glaze finish to walls on cement and sands creed, concrete, fair faced brickwork, wood wool ..... | Yd. super. | 8s. 9d. to 16s. 0d. |           |

## CONVERSION TABLES

A variation of 1*d.* in the rates of wages for craftsmen (accompanied by a corresponding alteration in the rates for labourers) has the effect of increasing or decreasing labour costs by about 3%.

The approximate effect of such a fluctuation upon the total value of each trade is given in the table below, from which it will also be noted that the effect upon total building costs is 1.35%.

These figures show the immediate effect, but as changes in wage rates are frequently followed by similar fluctuations in prices of materials, etc., the graph of building costs tends to follow that of wages. For this reason although an increase or decrease of 1*d.* in rates of wages has an immediate effect of 1.35% on building costs, it may in due course, affect building costs by about 3%.

The following table shows the approximate apportionment of the value of a typical house as between the various trades engaged in its construction, with further sub-division showing the proportion attributable to labour and materials respectively. The final column shows the percentage adjustment to be applied to the total value of a particular trade to compensate for a basic variation of 1*d.* an hour in the wage rates of that trade.

| Trade                      | Relative cost of each trade | Relative cost of labour and material in each trade |           | Adjustment to be applied to the total value of each trade, for each 1 <i>d.</i> per hour difference in rates of wages |
|----------------------------|-----------------------------|--|-----------|---|
|                            |                             | Labour   | Material  |   |
|                            | £ s. d.                     | %  | %         | %   |
| Excavator .....            | 3 10 0                      | 90   | 10        | 2.70  |
| Concretor .....            | 8 0 0                       | 20   | 80        | 0.60  |
| Bricklayer .....           | 20 0 0                      | 33   | 67        | 0.99  |
| Drainlayer .....           | 3 0 0                       | 33   | 67        | 0.99  |
| Pavior .....               | 3 10 0                      | 60   | 40        | 1.80  |
| Slater and Tiler .....     | 3 10 0                      | 20   | 80        | 0.60  |
| Carpenter .....            | 8 10 0                      | 40   | 60        | 1.20  |
| Joiner .....               | 14 0 0                      | 60   | 40        | 1.80  |
| Ironmonger .....           | 2 0 0                       | 25   | 75        | 0.75  |
| Steel and Ironworker ..    | 0 10 0                      | 20   | 80        | 0.60  |
| Plasterer .....            | 9 0 0                       | 60   | 40        | 1.80  |
| Plumber .....              | 10 10 0                     | 30   | 70        | 0.90  |
| Gas fitter and Electrician | 5 0 0                       | 50   | 50        | 1.50  |
| Glazier .....              | 1 0 0                       | 22   | 78        | 0.66  |
| Painter .....              | 6 0 0                       | 65   | 35        | 1.95  |
| Fencer .....               | 2 0 0                       | 30   | 70        | 0.90  |
| <b>All trades .....</b>    | <b>100 0 0</b>              | <b>40</b>  | <b>60</b> | <b>1.35</b>   |

**PART III**  
**DAYWORK, PRIME COST**  
**AND FEES**





# PART III

## DAYWORK, PRIME COST AND FEES

### DIRECTIONS

#### DAYWORK

DAYWORK consists of prime cost plus a percentage to cover overhead charges and profit. The prime cost element consists mainly of the cost of labour, materials, plant, haulage, and insurance. All these are dealt with in Part I to which reference should be made, as, for example, in checking labour costs, when it is necessary to verify the rates of wages in the particular district and any other emoluments to which the operatives may be entitled under the Working Rules.

No special schedules of prices for labour and material for daywork are required as it should be obvious that the contractor has to pay the same amount for his labour and his materials, whether the work is eventually valued on this basis or on measurement. It is true that the prices of small quantities of materials bought specially may be higher than they would otherwise be, but, except in the case of jobbing work, there is no particular justification for the assumption that materials will have to be bought in smaller quantities for daywork than for measured work.

The National Scale of Daywork Charges reproduced here, shows the percentage additions for overhead charges and profit which have been agreed between the Royal Institution of Chartered Surveyors and the National Federation of Building Trades Employers; similar scales are given for the Allied Trades.

These scales are widely adopted and, for instance, become operative under the R.I.B.A. "lump sum" form of contract, in the absence of agreement to the contrary. Not all forms of contracts contain this provision, however, and both the definition of prime cost and the percentage additions may be varied by the terms of the contract.

#### PRIME COST CONTRACTS

As already stated in the case of daywork, particulars for checking prime cost are contained in Part I and the concern

here is with the percentage additions for overhead charges and profit. Particulars are given of R.O.D.1 (authorized by the War Damage Commission), MH/PC/1 (for the use of Local Authorities), and the R.I.B.A. Form (for general use), from which it will be seen that there is a considerable measure of agreement at the present time. Other forms of prime cost contract, do, however, exist.

In comparing different forms of prime cost contract and daywork schedules, it is necessary to study the definitions of prime cost and of overheads. In the National Scale of Daywork Charges for such work carried out during the contract period, prime cost excludes the cost of foreman and insurances and the percentage additions for overheads and profit are relatively high. This is in direct contrast to the R.O.D. 1, and the R.I.B.A. "Prime Cost" Form of Contract, in both of which the cost of foreman is included in the prime cost and the percentage for overheads and profit is relatively low.

On the other hand, in the MH/PC/1 form there are alternatives whereby insurances are, or are not, included in the prime cost, with the result that the percentage addition for overheads and profit is variable. The object of the alternative is simplification, as, by allowing an overall percentage, the checking of insurance premiums is obviated.

#### FEES FOR PROFESSIONAL SERVICES

Extracts from the appropriate R.I.B.A. and R.I.C.S. scales of fees for architects and quantity surveyors respectively are given together with extracts from the London Building Acts (Amendment) Act, 1939, showing the fees for District Surveyors.

Attention is drawn to the fact that the full scales are not reproduced here and that the extracts are given for guidance only. The full authorized scales should be studied before concluding any agreement.

District surveyors' fees normally form a part of the tender price, although the bill of quantities should contain a provisional sum rather than throw the onus of ascertaining the amount of such fees on to the contractor. Quantity surveyors' fees and expenses are sometimes included in the bill of quantities and become a part of the tender price, but there is a growing tendency for quantity surveyors to render their accounts direct to the employer.

Architects' fees and expenses should not be included in the tender price, but constitute, nevertheless, a part of the total cost which the employer has to pay for the building. The same applies to the salaries and expenses of clerks of works.

## BUILDING INDUSTRY

The Royal Institution of Chartered Surveyors, the National Federation of Building Trade Employers, and the London Master Builders' Association have arrived at the following agreement, which is intended to be of national application:

### NATIONAL SCHEDULE OF DAYWORK CHARGES

#### 1. DAYWORKS EXECUTED DURING THE PROGRESS OF A CONTRACT AND PRIOR TO THE DATE OF COMPLETION:

In respect of labour—the prime cost to which 20% is to be added.

*N.B.—No foreman's time to be included under this condition.*

In respect of materials—the prime cost to which 15% is to be added.

#### 2. DAYWORKS EXECUTED SUBSEQUENT TO THE DATE OF COMPLETION OF A CONTRACT:

Labour—the prime cost to which 25% is to be added.

*N.B.—Under this condition the wages of foreman (if any) engaged in supervising the said dayworks shall be included in the prime cost of labour.*

Material—the prime cost to which 15% is to be added.

#### 3. DAYWORKS ON JOBBING WORK:

Labour—the prime cost to which 30% is to be added.

*N.B.—Foreman's wages to be included as last.*

Material—the prime cost to which 15% is to be added.

The above percentages are to be held to include all insurances, water for the works, use and waste of plant, sharpening tools, artificial light, supervision (except as provided in Sections 2 and 3), overhead establishment charges, maintenance, and profit.

*Note.—Insurance against Silicosis.* In view of the high cost of insurance against silicosis which has to be borne by employers of stonemasons in certain parts of the country, the Quantity Surveyors' Committee is of opinion that one penny per hour may properly be added to the above labour rates in respect of all men for whom such insurance has to be paid.

## CIVIL ENGINEERING

Daywork Rates in connection with Civil Engineering Works in accordance with the Schedule prepared by the Federation of Civil Engineering Contractors.

### 1. LABOUR

Add to the net amount of wages paid to workmen and gangers: 33½%.

*Note:*

(1) "Net amount of wages" means:

Wages (including travelling time and payments in respect of time lost due to inclement weather) paid to workmen and gangers at plain-time rates and/or at overtime rates in accordance with the rates prescribed by the Working Rule Agreement of the Civil Engineering Construction Conciliation Board for Great Britain or other appropriate wage-fixing authority, and where no rates are prescribed by a wage-fixing body the actual wage paid to the workman concerned.

(2) The percentage addition only provides for:

National Insurances.

Third Party and Employers' Liability Insurances.

Holidays with Pay.

Site Supervision and Staff—including Agent, General Foreman, Timekeeper, and Clerks.

Small Tools—such as picks, shovels, barrows, trowels, ladders, hand saws, buckets, trestles, hammers, chisels, and all items of a like nature.

Depot, head office charges, and profit.

(3) Travelling expenses and subsistence allowances are chargeable net paid to workmen and gangers in addition.

### 2. MATERIALS

Add to the cost of materials (including cash discounts not exceeding 2½%): 10%.

*Note:* The cost of internal haulage on a site to be paid for in addition at the appropriate daywork rates for labour, lorry hire, etc.

3. PLANT

These rates apply only to contractor's own plant (already on site), exclusive of driver and attendants, but inclusive of fuel and consumable stores.

| Item of plant  | Description                        | Unit     | Hire rate    | Period |
|--|------------------------------------|----------|--------------|--------|
|  |                                    |          | <i>s. d.</i> |        |
| <b>BELT LOADERS</b>  |                                    |          |              |        |
| Up to 12' 0" high discharge.   | 14" belt                           | Each     | 3 2          | Hour   |
| " 12' 0" "   | 16" "                              | "        | 4 2          | "      |
| <b>BOILERS</b>   |                                    |          |              |        |
| Steam, 5 H.P. evaporated capacity of 360 lb. per hr.                       |                                    | "        | 6 6          | "      |
| Steam, 10 H.P. evaporated capacity of 720 lb. per hr.                      |                                    | "        | 9 3          | "      |
| Steam, 15 H.P. evaporated capacity of 1,110 lb. per hr.                    |                                    | "        | 12 0         | "      |
| <b>COMPRESSORS AND BREAKERS</b>  |                                    |          |              |        |
| Portable with:   |                                    |          |              |        |
| 1 breaker or equivalent with 50' hoses and steels — petrol or diesel ..... | Piston displacement 60-100 cu. ft. | "        | 5 6          | "      |
| 2 " " " "  | 101-130 "                          | "        | 8 6          | "      |
| 2 " " " "  | 131-150 "                          | "        | 9 3          | "      |
| 3 " " " "  | 151-180 "                          | "        | 11 9         | "      |
| 3 " " " "  | 181-200 "                          | "        | 12 6         | "      |
| 4 " " " "  | 201-250 "                          | "        | 14 3         | "      |
| 6 " " " "  | 251-315 "                          | "        | 19 0         | "      |
| 12 " " " "   | 316-410 "                          | "        | 25 9         | "      |
| Mobile with:   |                                    |          |              |        |
| 2 " " " "  | 101-150 "                          | "        | 11 6         | "      |
| 4 " " " "  | 151-250 "                          | "        | 16 9         | "      |
| Hired without tools, deduct.   |                                    | Per tool | 0 9          | "      |
| Warsop breaker .....   |                                    | Each     | 2 11         | "      |
| <b>CRANES</b>  |                                    |          |              |        |
| Petrol, portable standard jib  | 6 cwt.                             | "        | 2 8          | "      |
| " " " "  | 8 "                                | "        | 3 1          | "      |
| " " " "  | 12/15 "                            | "        | 3 11         | "      |
| " " " "  | 20 "                               | "        | 6 3          | "      |
| " mobile road type ...   | 1 ton                              | "        | 7 6          | "      |
| " " " " ...  | 2/3 "                              | "        | 13 6         | "      |
| " " " " ...  | 5 "                                | "        | 18 0         | "      |
| Steam loco, standard gauge, single drum, non-shunting.                     | 3 "                                | "        | 10 6         | "      |
| " " " "  | 5 "                                | "        | 13 3         | "      |
| " " " "  | 7 "                                | "        | 16 6         | "      |
| " " " "  | 10 "                               | "        | 21 5         | "      |
| Steam loco, extra for double drum .....                                    |                                    | "        | 0 9          | "      |

**Plant**

| Item of plant   | Description                           | Unit | Hire rate | Period |
|---|---------------------------------------|------|-----------|--------|
| <b>CRANE EQUIPMENT</b>  |                                       |      |           |        |
| Crane grabs .....   | Under 1 cu. yd.                       | ..   | 7 0       | Day    |
| .. ..   | 1 cu. yd.                             | ..   | 10 0      | ..     |
| .. skips .....  | Under $\frac{1}{2}$ cu yd             | ..   | 0 6       | ..     |
| .. ..   | $\frac{1}{2}$ - $\frac{3}{4}$ cu. yd. | ..   | 0 8       | ..     |
| .. ..   | 1 cu. yd                              | ..   | 0 10      | ..     |
| Brother or sling chains .....   | N.e. 2 tons                           | Each | 0 3       | ..     |
| .. ..   | Ex. 2 tons                            | ..   | 0 6       | ..     |
| .. ..   | n.e. 5 tons                           | ..   | 0 6       | ..     |
| .. ..   | Ex. 5 tons                            | ..   | 0 9       | ..     |
| .. ..   | n e. 10 tons                          | ..   | 0 9       | ..     |
| <b>DERRICKS, SCOTCH</b>   |                                       |      |           |        |
| Hand, up to 60' jib .....   | 3 ton                                 | ..   | 3 5       | Hour   |
| .. .. 60' .....   | 5 ..                                  | ..   | 4 2       | ..     |
| Extra for hand slew gear  |                                       | ..   | 0 6       | ..     |
| Electric, up to 60' jib, hand-slewing .....   | 3 ..                                  | ..   | 8 6       | ..     |
| Electric, up to 60' jib, hand-slewing .....   | 5 ..                                  | ..   | 10 0      | ..     |
| All electric:   |                                       |      |           |        |
| Up to 80' jib .....   | 3 ..                                  | ..   | 9 10      | ..     |
| 81' jib to 100' jib .....   | 3 ..                                  | ..   | 11 1      | ..     |
| 101' jib to 120' jib .....  | 3 ..                                  | ..   | 11 9      | ..     |
| Up to 80' jib .....   | 5 ..                                  | ..   | 12 0      | ..     |
| 81' jib to 100' jib .....   | 5 ..                                  | ..   | 13 3      | ..     |
| 101' jib to 120' jib .....  | 5 ..                                  | ..   | 14 0      | ..     |
| Up to 80' jib .....   | 7 ..                                  | ..   | 13 10     | ..     |
| 81' jib to 100' jib .....   | 7 ..                                  | ..   | 15 0      | ..     |
| 101' jib to 120' jib .....  | 7 ..                                  | ..   | 16 2      | ..     |
| Up to 80' jib .....   | 10 ..                                 | ..   | 18 2      | ..     |
| 81' jib to 100' jib .....   | 10 ..                                 | ..   | 19 2      | ..     |
| 101' jib to 120' jib .....  | 10 ..                                 | ..   | 21 0      | ..     |
| Extra for:  |                                       |      |           |        |
| Indicator .....   |                                       | ..   | 0 3       | ..     |
| 2 Motor type Derricks   |                                       | ..   | 0 3       | ..     |
| Steam or diesel-driven derricks .....   |                                       | ..   | 0 9       | ..     |
| Bogies .....  | 3 ton                                 | ..   | 0 10      | ..     |
| .. ..   | 5 ..                                  | ..   | 1 0       | ..     |
| .. ..   | 7 ..                                  | ..   | 1 3       | ..     |
| .. ..   | 10 ..                                 | ..   | 1 8       | ..     |
| .. (self-propelling) ..   | 3 ..                                  | ..   | 1 3       | ..     |
| .. ..   | 5 ..                                  | ..   | 1 6       | ..     |
| .. ..   | 7 ..                                  | ..   | 1 10      | ..     |
| .. ..   | 10 ..                                 | ..   | 2 6       | ..     |
| <b>DIVING GEAR</b>  |                                       |      |           |        |
| Diving equipment, including air pump, diving dress, helmet, clogs, woollens, hoses, lines, weights, belt, and knife ..... | Set                                   | ..   | 16 0      | Day    |

**Plant**

| Item of plant  | Description  | Unit | Hire rate    | Period |
|--|--|------|--------------|--------|
|  |  |      | <i>s. d.</i> |        |
| <b>DUMPERS</b>   |  |      |              |        |
| Petrol or Diesel .....   | 2 cu. yd.  | "    | 8 6          | Hour   |
| " " .....  | 2½ "   | "    | 9 6          | "      |
| " " .....  | 3 "  | "    | 10 3         | "      |
| " " .....  | 3½ "   | "    | 11 0         | "      |
| " " .....  | 4½ "   | "    | 14 6         | "      |
| <b>EXCAVATORS</b>  |  |      |              |        |
| Mechanical, i.e. face shovels, skimmers, draglines, or back actors with single equipment .....   | " Rated " capacity—not bucket capacity<br>½ c. yd. | "    | 11 9         | "      |
| " " " .....  | ¾ "  | "    | 12 6         | "      |
| " " " .....  | 1 "  | "    | 13 9         | "      |
| " " " .....  | 1½ "   | "    | 17 0         | "      |
| " " " .....  | 2 "  | "    | 18 9         | "      |
| " " " .....  | 2½ "   | "    | 23 6         | "      |
| " " " .....  | 3 "  | "    | 29 9         | "      |
| Hi-lift shovel .....   | 1½ "   | "    | 8 6          | "      |
| <i>NOTE.—S.I. 1948, No. 792, provides inter alia that excavators of over 26 c. ft. up to and including 34 cu. ft. capacity are to be charged as ½ c. yd. machines, and does not prescribe rates for excavators of over 1½ cu. yds. capacity.</i> |  |      |              |        |
| <b>HAULAGE</b>   |  |      |              |        |
| Concrete prams .....   |  | "    | 0 6          | Day    |
| Hand trucks .....  |  | "    | 0 6          | "      |
| <b>HOISTS</b>  |  |      |              |        |
| Including winch, platform, mast, and guide rails, up to:   |  |      |              |        |
| 56' .....  | 5/10 cwt.  | Each | 3 9          | Hour   |
| 60' .....  | 10/15 "  | "    | 5 6          | "      |
| 72' .....  | 20/30 "  | "    | 7 6          | "      |
| Barrow hoist, including rope, hook, ball, and sling ..   | Petrol or electric                                 | "    | 2 9          | "      |
| <b>LIFTING AND JACKING GEAR</b>  |  |      |              |        |
| ½ ton pipe winches, Johnson's or similar .....   |  | "    | 1 3          | Day    |
| 1 " " " .....  |  | "    | 1 6          | "      |
| 2 " " " .....  |  | "    | 2 3          | "      |
| 3 " " " .....  |  | "    | 2 9          | "      |
| Shear legs, steel, up to 1 ton   |  | "    | 0 6          | "      |



**Plant**

| Item of plant                                   | Description   | Unit | Hire rate | Period |
|---|---------------|------|-----------|--------|
| <b>LIFTING AND JACKING GEAR—continued</b>       |               |      |           |        |
| Pipe gantries, all sizes . . . . .              |               | Each | 0 6       | Day    |
| 1 ton chain blocks . . . . .                    |               | "    | 0 6       | "      |
| 2 or 3 ton chain blocks . . . . .               |               | "    | 0 9       | "      |
| 4 ton . . . . .                                 |               | "    | 1 0       | "      |
| Screw jacks . . . . .                           | Up to 10 tons | "    | 0 3       | "      |
| Hydraulic jacks . . . . .                       | 10 to 20 tons | "    | 0 6       | "      |
| Tree "felling" tackle—monkey winch . . . . .    |               | "    | 0 9       | "      |
|   |               | "    | 1 0       | "      |
| <b>LOCOS</b>                                    |               |      |           |        |
| 24" gauge. Petrol, electric or diesel . . . . . | 10 H.P.       | "    | 4 8       | Hour   |
| 24" " " " . . . . .                             | 20 H.P.       | "    | 6 10      | "      |
| <b>LORRIES</b>                                  |               |      |           |        |
| Van, or similar utility vehicle up to:          |               |      |           |        |
| 10 cwt. carrying capacity . . . . .             |               | "    | 4 0       | "      |
| 20 " " " . . . . .                              |               | "    | 4 5       | "      |
| 30 " " " . . . . .                              |               | "    | 4 11      | "      |
| 20/30 cwt. carrying capacity . . . . .          | Ordinary      | "    | 4 11      | "      |
| 20/30 " " " . . . . .                           | Tipper        | "    | 5 3       | "      |
| 2 ton carrying capacity . . . . .               | Ordinary      | "    | 5 9       | "      |
| 2 " " " . . . . .                               | Tipper        | "    | 6 1       | "      |
| 3 " " " . . . . .                               | Ordinary      | "    | 6 6       | "      |
| 3 " " " . . . . .                               | Tipper        | "    | 6 10      | "      |
| 4 " " " . . . . .                               | Ordinary      | "    | 7 1       | "      |
| 4 " " " . . . . .                               | Tipper        | "    | 7 5       | "      |
| 5 " " " . . . . .                               | Ordinary      | "    | 8 3       | "      |
| 5 " " " . . . . .                               | Tipper        | "    | 8 7       | "      |
| 6 " " " . . . . .                               | Ordinary      | "    | 9 7       | "      |
| 6 " " " . . . . .                               | Tipper        | "    | 9 11      | "      |
| 7 " " " . . . . .                               | Ordinary      | "    | 10 8      | "      |
| 7 " " " . . . . .                               | Tipper        | "    | 11 2      | "      |
| <b>MIXERS, CONCRETE</b>                         |               |      |           |        |
| Open drum without hopper. . . . .               | 5/3½          | "    | 1 6       | "      |
| " " " with hopper" . . . . .                    | 7/5           | "    | 1 9       | "      |
| " " " " . . . . .                               | 7/5           | "    | 2 0       | "      |
| Closed " " " . . . . .                          | 7/5           | "    | 2 3       | "      |
| Open " " " . . . . .                            | 8½/6          | "    | 2 3       | "      |
| Closed " " " . . . . .                          | 8½/6          | "    | 2 6       | "      |
| Open " " " . . . . .                            | 10/7          | "    | 3 0       | "      |
| Closed " " " . . . . .                          | 10/7          | "    | 3 3       | "      |
| Open " " " . . . . .                            | 14/10         | "    | 4 0       | "      |
| Closed " " " . . . . .                          | 14/10         | "    | 4 3       | "      |
| " " " " . . . . .                               | 21/14         | "    | 6 0       | "      |
| " " " " . . . . .                               | 32/21         | "    | 8 9       | "      |
| " " " " . . . . .                               | 42/28         | "    | 12 3      | "      |
| Benford B.R. 25 . . . . .                       |               | "    | 14 3      | "      |

**Plant**

| Item of plant  | Description | Unit        | Hire rate | Period |
|--|-------------|-------------|-----------|--------|
| <b>OFFICES, STORE SHEDS, ETC., EXCLUSIVE OF LIGHTING AND HEATING</b>   |             |             |           |        |
| Offices on site with usual fittings, <i>i.e.</i> stove, stools, bench, and chairs . . . . .  | Floor area  | 100 sq. ft. | 2 0       | Day    |
| Stores and canteens, for first 600 sq. ft. . . . .   | "           | "           | 1 6       | "      |
| Ditto, exceeding 600 n.e. 1600 sq. ft. . . . .   | "           | "           | 1 0       | "      |
| Watchman's hut . . . . .   | "           | Each        | 1 0       | "      |
| Latrine . . . . .  | "           | "           | 1 0       | "      |
| Men's shelter, including tarpaulins . . . . .  | "           | "           | 2 6       | "      |
| <b>PILING PLANT</b>  |             |             |           |        |
| Steam, with boiler winch and frame up to 30', including drop hammer up to 30 cwt   |             | Each        | 10 2      | Hour   |
| Ditto, with frame up to 40', including drop hammer up to 2 tons  |             | "           | 14 7      | "      |
| Ditto, with frame up to 50', including drop hammer up to 3 tons . . . . .  |             | "           | 17 6      | "      |
| Ditto, with frame up to 65', including drop hammer up to 4 tons . . . . .  |             | "           | 20 5      | "      |
| <i>Extra over above piling plant for single acting semi-automatic hammer up to 50 cwt. in lieu of drop hammer, including additional boiler capacity and fuel . . . . .</i>           |             | "           | 7 6       | "      |
| <i>Extra over above piling plant for double-acting automatic McKiernan-Terry hammer, Size No. 7, in lieu of drop hammer, including additional boiler capacity and fuel . . . . .</i> |             | "           | 6 0       | "      |
| McKiernan-Terry double-acting automatic steam hammer with one 25' length of armoured india-rubber steam hose with quick-acting couplings, but exclusive of boiler and fuel           | Size No. 5  | "           | 39 0      | Day    |
| " " "  | " No. 6     | "           | 45 6      | "      |
| " " "  | " No. 7     | "           | 55 6      | "      |
| <i>Hire rates for piling plant not classified above shall be settled at prices reasonably related to the above rates.</i>  |             |             |           |        |

## Plant

| Item of plant   | Description            | Unit   | Hire rate    | Period |
|---|------------------------|--------|--------------|--------|
| <b>PILING</b>   |                        |        | <i>s. d.</i> |        |
| <i>Temporary steel piling and steel trench sheeting to be charged at cost. Contractor to charge profit in allowing credit for reclaimed piling or sheeting.</i> |                        |        |              |        |
| Ring engine with 1 cwt. monkey .....  |                        | Each   | 7 0          | „      |
| <b>PUMPS, PORTABLE</b>  |                        |        |              |        |
| Petrol or electric, without hoses:  |                        |        |              |        |
| Single diaphragm.....   | 3"                     | „      | 2 4          | Hour   |
| Double „ .....  | 3"                     | „      | 2 11         | „      |
| Single „ .....  | 4"                     | „      | 3 3          | „      |
| Double „ .....  | 4"                     | „      | 4 2          | „      |
| Self - priming centrifugal pumps up to 25' head (excluding pumps solely designed for sewage) .....  |                        |        |              |        |
| „ „ „   | 2"                     | „      | 2 5          | „      |
| „ „ „   | 3"                     | „      | 2 11         | „      |
| „ „ „   | 4"                     | „      | 3 7          | „      |
| „ „ „   | 5"                     | „      | 4 10         | „      |
| „ „ „   | 6"                     | „      | 6 5          | „      |
| Air pump (excluding compressors) .....  | 2½"                    | „      | 2 4          | „      |
| Concrete pumps, including 300' piping .....   | 8/10 cu. yd. per hour  | „      | 18 3         | „      |
| „ „ „   | 20/24 cu. yd. per hour | „      | 25 3         | „      |
| <b>PUMPING EQUIPMENT</b>  |                        |        |              |        |
| Hand pump without hoses ..  | Up to 3" dia.          | Each   | 3 7          | Day    |
| Pump hoses, flexible, suction or delivery, including couplings, valve, and strainer ..  | 20' length             | „      | 1 2          | „      |
| „ „ „   | 1½"-2½"                | „      | 1 9          | „      |
| „ „ „   | 3"-4"                  | „      | 2 0          | „      |
| „ „ „   | 6"                     | „      | 5' Plus      | „      |
| Additional lengths of hose ..   | Above sizes            | length | 20%          | „      |
| Pulsometer, complete with foot valve, pressure valve, slinging chain or bars, but exclusive of suction and delivery, boiler and fuel ..                         | 1½" and 2"             | Each   | 0 4          | Hour   |
| „ „ „   | 3"                     | „      | 0 7          | „      |
| „ „ „   | 4"                     | „      | 0 10         | „      |
| „ „ „   | 5"                     | „      | 1 5          | „      |
| „ „ „   | 6"                     | „      | 1 9          | „      |
| „ „ „   | 7"                     | „      | 2 3          | „      |
| „ „ „   | 8"                     | „      | 2 10         | „      |
| „ „ „   | 10"                    | „      | 3 9          | „      |
| „ „ „   | 12"                    | „      | 4 7          | „      |
| Suction or delivery, including flanges, bolts, and joint rings .....  | 6' length              | „      | 0 2          | Day    |
| „ „ „   | 1½"-4"                 | „      | 0 4          | „      |
| „ „ „   | 5"-8"                  | „      | 0 7          | „      |
| „ „ „   | 10"-12"                | „      | 0 7          | „      |

**Plant**

| Item of plant                                | Description                | Unit         | Hire rate                                  | Period |
|--|----------------------------|--------------|--|--------|
| <b>RAMMERS, MECHANICAL</b>                   |                            |              |  |        |
| Pegson or similar.....                       |                            | Each         | 2 11                                       | Hour   |
| Tampers, trench ... ..                       |                            | "            | 4 3  | "      |
| <b>RAILWAY EQUIPMENT</b>                     |                            |              |  |        |
| 2' 0" gauge track and sleepers               | 12-14 lb.                  | 20 yds.      | 0 6  | Day    |
|  | 20-25 lb.                  | "            | 0 10                                       | "      |
| 2' 0" gauge crossings complete .....         | 12-25 lb.                  | Each         | 0 9  | "      |
| 2' 0" gauge wagons or flat top bogies .....  |                            | "            | 0 9  | "      |
| 4' 8½" gauge track and sleepers .....        | 60-80 lb.                  | 20 yds.      | 4 0  | "      |
| 4' 8½" gauge crossings complete .....        | 60-80 lb.                  | Each         | 7 0  | "      |
| <b>ROLLERS</b>                               |                            |              |  |        |
| Steam .....                                  | 6-10 tons                  | Each         | 6 6  | Hour   |
| Petrol or diesel.....                        | Up to 5 tons               | "            | 5 6  | "      |
| "  | 5 tons and over            | "            | 7 0  | "      |
| Scarifier (working time) .....               | Extra over                 | "            | 7 6  | "      |
| Hand rollers .....                           | Up to 5 cwt.               | "            | 0 9  | Day    |
| <b>SHUTTERING</b>                            |                            |              |  |        |
| Steel blawforms or similar ..                |                            | 100 sq. ft.  | 4 7½                                       | "      |
| Steel road forms .....                       | 6"                         | 100 lin. ft. | 1 4  | "      |
| Timber used for shuttering..                 | 8"                         | "            | 2 7  | "      |
|  |                            |              | Charged net cost (Salvage to cover profit) |        |
| Timber used for planking and strutting ..... |                            | cu. ft.      | 0 2½                                       | "      |
| Bulk timber, use and waste .                 | Minimum charge 4s. cu. ft. | "            | 0 2  | "      |
| <b>SURVEYING INSTRUMENTS</b>                 |                            |              |  |        |
| Dumpy level and staff .....                  |                            | Each         | 1 6  | "      |
| Theodolite .....                             |                            | "            | 2 6  | "      |
| <b>TAR SPRAYING PLANT</b>                    |                            |              |  |        |
| Tar boiler and sprayer .....                 | 250 gals.                  | "            | 2 6  | Hour   |
| Gritter .....                                | 5 tons                     | "            | 1 0  | "      |
| Cold emulsion sprayer:                       |                            |              |  |        |
| Hand operated .....                          |                            | "            | 0 6  | "      |
| Mechanical .....                             | 250 gals.                  | "            | 1 6  | "      |

**Plant**

| Item of plant   | Description              | Unit         | Hire rate    | Period |
|---|--------------------------|--------------|--------------|--------|
|   |                          |              | <i>s. d.</i> |        |
| <b>TRACTORS, SCRAPERS, ETC.</b>                                 |                          |              |              |        |
| Caterpillar type:   |                          |              |              |        |
| 25-30 H.P. ....   |                          | Each         | 9 3          | Hour   |
| 35-40 H.P. ....   |                          | "            | 15 0         | "      |
| 45-60 H.P. ....   |                          | "            | 19 6         | "      |
| 65-70 H.P. ....   |                          | "            | 27 0         | "      |
| 90-110 H.P. ....  |                          | "            | 39 0         | "      |
| Caterpillar type with bull or angle dozer, scarifier or ripper: |                          |              |              |        |
| 25-30 H.P. ....   |                          | "            | 11 3         | "      |
| 35-40 H.P. ....   |                          | "            | 18 0         | "      |
| 45-60 H.P. ....   |                          | "            | 23 6         | "      |
| 65-70 H.P. ....   |                          | "            | 32 6         | "      |
| 90-110 H.P. ....  |                          | "            | 47 0         | "      |
| Scrapers  |                          |              |              |        |
|   | 4 cu. yd.                | "            | 8 0          | "      |
|   | 6 "                      | "            | 10 0         | "      |
|   | 8/9 "                    | "            | 10 6         | "      |
|   | 12/13 "                  | "            | 13 0         | "      |
|   | 15/18 "                  | "            | 16 0         | "      |
| Tractor and elevating grader                                    |                          |              | 63 6         | "      |
| Elevating grader without tractor                                |                          | "            | 33 0         | "      |
| Tractors, wheel:  |                          |              |              |        |
| Fordson, or similar machine. Petrol . . . .                     | 25 H.P.                  | "            | 6 3          | "      |
| Fordson, or similar machine. Petrol/paraffin                    | "                        | "            | 5 3          | "      |
| Trailer (drawn by Fordson or similar machine) . . .             |                          | "            | 1 0          | "      |
| <b>TRENCHERS</b>  |                          |              |              |        |
| Mechanical. Allen Parsons Model . . . . .                       | 12/18 cu. yd. or similar | "            | 14 0         | "      |
| " " "   | 25 cu. yd. or similar    | "            | 17 6         | "      |
| <b>WATER SUPPLY</b>   |                          |              |              |        |
| Water cart  | 300 gals.                | Each         | 3 0          | Day    |
| " tanks   | Up to 1000 gals.         | 100 gals.    | 0 3          | "      |
| " dandy   |                          | Each         | 0 3          | "      |
| Water barrel, 2" dia. . . . .                                   |                          | 100 lip. ft. | 0 5          | "      |
| " " less than 2" dia.   |                          | "            | 0 3          | "      |

*Plant*

| Item of plant  | Description | Unit         | Hire rate    | Period |
|--|-------------|--------------|--------------|--------|
| <b>MISCELLANEOUS PLANT AND CONSUMABLE STORES</b>         |             |              | <i>s. d.</i> |        |
| Air testing machines . . . . .                           |             | Each         | 0 6          | Day    |
| Circular saw, bench—portable. Power driven . . . . .     |             | "            | 2 0          | Hour   |
|  |             | 100 lin. ft. | 0 6          | Day    |
| Fencing, chestnut . . . . .                              |             |              |              |        |
| Firing for:  |             |              |              |        |
| Pipe jointer . . . . .                                   |             |              | 0 6          | Hour   |
| Blacksmith's hearth . . . . .                            |             |              | 1 0          | "      |
| Tar boiler . . . . .                                     |             |              | 2 6          | "      |
| Watchman . . . . .                                       |             |              | 0 6          | "      |
| Forge, portable, and anvil (exclusive of fuel) . . . . . |             | Each         | 0 6          | Day    |
| Fire devils . . . . .                                    |             | "            | 0 3          | "      |
| Grouting pans . . . . .                                  | 4 cu. ft..  | "            | 1 0          | "      |
| Navy mats . . . . .                                      |             | Set          | 7 6          | "      |
| Oxy-acetylene cutting and welding sets . . . . .         |             | Each         | 11 3         | Hour   |
| Sleepers, 10" x 5" or equivalent . . . . .               |             | Each         | 0 1½         | Day    |
| Tarpaulins . . . . .                                     |             | Sq. yd.      | 0 0½         | "      |
| Rubber boots . . . . .                                   |             | Pair         | 0 2          | Hour   |
| Watchmen's lamps, including oil . . . . .                |             | Each         | 0 8          | Night  |
| Firing and lighting offices:                             |             |              |              |        |
| Not exceeding 200 sq. ft. . . . .                        |             | "            | 0 6          | Hour   |
| Add for each additional 200 sq. ft. . . . .              |             | "            | 0 2          | "      |

## GENERAL NOTES

(1) Transport and other allowances to be added where incurred.

(2) Sub-contractors' and plant hirers' accounts to be charged at cost plus 5%.

(3) Hire rates for mechanical or other special plant not normally classed as small tools and which are not included above, shall be settled at prices reasonably related to the above rates.

(4) Running costs of welfare where incurred to be paid at net cost to the contractor plus 15%.

(5) Minimum hire charge will be for the period quoted, unless the contrary is stated.

*(The publishers are indebted to the Federation of Civil Engineering Contractors for permission to reproduce the foregoing Schedules. It will be appreciated that the Schedules are subject to amendment by the Federation from time to time as circumstances warrant.)*

## ELECTRICAL CONTRACTING INDUSTRY

The Royal Institution of Chartered Surveyors and the National Federated Electrical Association have arrived at the following agreement, which is of national application:

### NATIONAL SCHEDULE OF DAYWORK CHARGES

(1) *In respect of labour*—the prime cost, to which 33 $\frac{1}{3}$ % is to be added. In ascertaining this prime cost, the time of charge-hand electrician is to be included and overtime (if any) to be charged on the basis of the agreement with the Electrical Trades Union in force for the time being—time-and-a-half or double time as the case may be.

Out allowances and fares (town and country), dirty money and out-of-pocket expenses, to have 15% added.

(2) *In respect of materials* (excluding specially designed or price maintained articles, lamps, domestic appliances, fittings, etc.) net trade prices as invoiced to the electrical contractor, plus carriage, to which 20% is to be added.

(3) The above percentages are to be held to include all insurances, use and repair of ordinary hand tools and tackle, general establishment charges and profit. They are also to include, where applicable, the payment by the electrical contractor of 2 $\frac{1}{2}$ % cash discount to the general contractor.

*These rates do not apply to jobbing work.*

## CONSTRUCTIONAL STEELWORK

DAYWORK RATES IN CONNECTION WITH THE  
ERECTION OF STRUCTURAL STEELWORK IN  
ACCORDANCE WITH THE SCHEDULE PRE-  
PARED BY THE BRITISH CONSTRUCTIONAL  
STEELWORK ASSOCIATION

|   | Per man<br>per hour |
|---|---------------------|
|   | <i>s.</i> <i>d.</i> |
| (1) Fitters, erectors, drillers, burners' or welders' mates, and timekeepers, <i>including</i> insurance, on cost, use of hand tools, and profit, but <i>excluding</i> the use of burning, welding, and riveting plant or lifting tackle of any kind<br>An all-round rate, for ordinary working hours of..... | 4 6½                |
| (2) Foreman, for ordinary working hours of....  | 5 0½                |
| (3) Burner, <i>including</i> use of acetylene plant, supply of oxygen and carbide, but <i>excluding</i> transportation of plant and bottles to and from the site .....  | 10 6½               |
| (Minimum lump sum charge: £3.)  |                     |
| (4) WELDING.—One man, <i>including</i> supply of electrodes and use of plant, but <i>excluding</i> cost of transporting plant to and from the site:   |                     |
| (a) For petrol generator.....   | 12 9½               |
| (Minimum lump sum charge: £5.)  |                     |
| (b) For D.C. plant .....  | 9 3½                |
| (Minimum lump sum charge: £3 10s.)  |                     |
| (c) For A.C. transformer plant.....   | 8 6½                |
| (Minimum lump sum charge: £3 5s.)   |                     |
| (d) If the work necessitates two welders per arc the additional welder shall be charged at .....  | 5 0½                |
| The time to be charged for welding shall be the full time the plant is on the site, subject to the minimum charges indicated above.   |                     |
| The rates for D.C. and A.C. plant are subject to power points being made available, free of charge, for connecting the plants.  |                     |
| (5) Where men are sent specially to do a job for daywork, all travelling time shall be charged at the rates given in items (1), (2), and (4) (d) above.   |                     |



- |   | Per man<br>per hour |
|---|---------------------|
| (6) Fares at commencement and close of the job and at periodical returns, if any, in accordance with the agreement with the unions to be charged extra at cost.   | <i>s. d.</i>        |
| (7) Danger or dirty money, if paid, to be charged extra at cost.  |                     |
| (8) The above rates are based upon the contracts being carried out during normal working hours, and should circumstances beyond the structural engineer's control demand that the work be carried on outside normal working hours, the structural engineer shall be entitled to make a claim at the conclusion of the contract for an adjustment in the price to meet this additional cost. |                     |
| (9) DRAUGHTSMEN OR ENGINEERS ON DAYWORK JOBS.—At the site or in the drawing office. . .<br>(Minimum charge: £3 sum.)<br>Travelling time to be paid for at the above rate and fares and overtime to be charged extra.  | 7 0                 |
| (10) Items (1) to (5) above are subject to 2½% discount. Other items net.   |                     |

## ASPHALTING

DAYWORK RATES IN CONNECTION WITH  
ASPHALTING IN ACCORDANCE WITH THE  
SCHEDULE PREPARED BY THE LONDON  
MASTER ASPHALTERS' ASSOCIATION.

Prices for Daywork, Time and Materials for a Normal  
Day's Work to Operate from 1st February, 1948

|   |                 | s. | d. |
|---|-----------------|----|----|
| Spreader charge hand .....  | Per hour        | 4  | 8  |
| Spreader .....  | "               | 4  | 1  |
| Mixerman .....  | "               | 3  | 8  |
| Potman .....  | "               | 3  | 7  |
| Asphalt labourer .....  | "               | 3  | 3  |
| (Apprentices and trainees, where employed, at proportionate rates.)   |                 |    |    |
| Watchman .....  | Per shift       | 15 | 0  |
| Mastic asphalt .....  | Per cwt.        | 10 | 6  |
| (Coloured, acid resisting or special asphalt at proportionate rates.) |                 |    |    |
| Refined natural bitumen (for fluxing).....                            | Per lb.         | 0  | 4  |
| Granite chips or grit .....   | Per cwt.        | 3  | 6  |
| Sheathing felt (for underlay) .....                                   | Per yd. super.  | 1  | 9  |
| Fuel (coke and firewood) .....  | Per pot per day | 17 | 6  |
| Reinforcement, wire netting.....                                      | per yd. super.  | 1  | 6  |
| Reinforcement, expanded metal ..                                      | "               | 3  | 0  |
| Use of cauldron with tools .....                                      | Per day         | 15 | 6  |
| Hire of horse, van, and man .....                                     | Per hour        | 7  | 6  |
| Hire of motor lorry and driver (30 cwt.)* .....                       | "               | 12 | 6  |
| Hire of motor lorry and driver (2 ton)* .....                         | "               | 15 | 0  |
| Hire of motor lorry and driver (4 ton)* .....                         | "               | 17 | 6  |

\* Mileage beyond the Metropolitan area to be charged extra (*i.e.* 15 miles from Charing Cross).

Carriage of material and plant, men's lodging, travelling expenses (to and from), to be charged for extra, at actual cost plus 20% to cover administration charges.

*The above Schedule is subject to any future increase in costs which may be applicable at the date the work is carried out.*

## HEATING AND VENTILATING ENGINEERING INDUSTRY

Negotiations between the Royal Institution of Chartered Surveyors and the Association of Heating, Ventilating, and Domestic Engineering Employers have resulted in agreement on the following terms as from 1st January, 1948 :

(a) Percentage rates to cover supervision, overheads, and profit on labour for daywork only contracts and daywork incidental to lump sum Contracts to be :

- (i) Direct contracts calculated on the total cost of labour—75%.
- (ii) Work ordered as a sub-contract calculated on the total cost of labour—82.5%.

It should be understood that where it is necessary for any substantial heating work, etc., to be put in hand on a prime cost basis it shall be permissible to invite offers in competition for the performance of the work on a fixed fee basis should it be considered that such a course is desirable.

(b) Materials supplied in daywork to be charged at net cost (after deducting all trade and cash discounts) with an addition of 5%.

(c) An addition of 5% to payments for allowances and fares to labour.

(d) An addition of 5% on payments to approved sub-contractors.

*Note:* The percentages referred to at (a) (ii), (b), (c), and (d) above include for the payment of 2½% cash discount to the main contractor in appropriate cases.

(e) Labour to be defined as hourly rate of industrial workers only (i.e. fitters, mates, and chargehands, but not weekly or monthly paid foremen, supervisor/draughtsmen, draughtsmen, storemen, and clerks) at their "earnings" figure (i.e. overtime, but excluding employers' contribution of National Health and Unemployment Insurance).

(f) The agreement shall operate in respect of contracts or subcontracts entered into on and from 1st January, 1948, and shall remain in force up to and including 31st December, 1949.

(g) The rates will be reviewed in August, 1949, on the basis of 1948 cost figures, with a view to continuance or otherwise of the agreement.

(h) The rates are for application to daywork on direct contract or nominated sub-contracts. Prime cost items included in the building contract and sub-contracted by the main contractor will be at rates to be agreed between the main contractor and his sub-contractor, but for daywork the rates admitted will not be more favourable to the sub-contractor than the rates prescribed in this agreement.

# PRIME COST CONTRACTS

## R.O.D. 1

Given below are the percentage additions on prime cost permitted under R.O.D. 1—the explanatory pamphlet issued by the War Damage Commission, in agreement with the National Federation of Building Trade Employers, as to procedure in arranging for the repair of war damage and the assessment of payments of cost of works.

Prime cost is defined in detail in the pamphlet, but, briefly, consists of:

- (a) All payments properly made to persons directly engaged upon the work on the site or in the builder's workshop, including foremen (visiting or otherwise) charge-hands and time-keepers, but excluding all head office staff.
- (b) Invoice cost of materials plus justifiable charge for handling and storing builder's stock.
- (c) Use of plant and consumable stores.
- (d) Cost of haulage.
- (e) Cost of sub-trades (work normally within the province of the builder, but sub-traded).
- (f) Cost of sub-contracts (work carried out by a nominated sub-contractor).
- (g) Extra insurance premium for demolition (all other insurances are included in the percentage additions).

Use or hire of mechanical plant, steel scaffolding, tarpaulins, and haulage are defined, for the purpose of the percentage additions, as "Analogous Sub-Trades."

### PERCENTAGE ADDITIONS

The percentage additions which are set out in the scales below are to be calculated upon the cost of the works within the heads A, B, C, and D, respectively, and *not upon the inclusive gross cost.*

#### A. Fee on Builder's Direct Work

| Prime cost    | % addition | Minimum fee |
|---------------|------------|-------------|
| £             |            | £ s. d.     |
| 5-100         | 25         | —           |
| 101-500       | 22½        | 25 0 0      |
| 501-1,000     | 20         | 112 10 0    |
| 1,001-2,500   | 17½        | 200 0 0     |
| 2,501-5,000   | 15         | 437 10 0    |
| 5,001-12,000  | 12½        | 750 0 0     |
| 12,001-25,000 | 12         | 1500 0 0    |

**R.O.D. 1.****B. Builder's Fee on Sub-trades**

(i) Where the aggregate amount of the sub-trader's accounts (exclusive of "analogous sub-trades") as assessed does not exceed one-third of the total prime cost of the builder's direct work plus the amount of the sub-trades and the analogous sub-trades (but *not* sub-contracts):

|                           | Prime cost | % addition | Minimum fee |
|---------------------------|------------|------------|-------------|
|                           | £          |            | £ s. d.     |
| And does not exceed .     | 50         | 15         | —           |
| " " .                     | 100        | 10         | 7 10 0      |
| " " .                     | 250        | 7½         | 10 0 0      |
| " " .                     | 2500       | 5          | 18 15 0     |
| But does exceed . . . . . | 2500       | 3½         | 125 0 0     |

(ii) Where the aggregate amount exceeds one-third, the above scale applies up to that limit and on any excess over one-third:

(a) where the total prime cost of the builder's direct work plus the amount of the sub-trades and analogous sub-trades does not exceed £100 . . . . . 5%

and

(b) in all other cases . . . . . 2½%

**C. Builder's Fee on Analogous Sub-trades**

The fee on analogous sub-trades shall be at the rates set out in B (i) above.

**D. Builder's Fee on Sub-contracted Work**

Where the aggregate amount of the sub-contracts:

|                           | Prime cost | %  | Minimum fee |
|---------------------------|------------|----|-------------|
|                           | £          |    | £ s. d.     |
| Does not exceed . . . . . | 2500       | 5  | —           |
| " " . . . . .             | 5000       | 3½ | 125 0 0     |
| " " . . . . .             | 7500       | 2½ | 175 0 0     |

*N.B.—As from 5th July, 1948, the prime cost is increased by 3% upon the value of the wages paid to cover the cost of National Insurance contributions.*

## FORM MH/PC/1

This is a Ministry of Health Form of Prime Cost Contract as agreed with the Ministry of Works, War Damage Commission, and the National Federation of Building Trade Employers to be used by Local Authorities in England and Wales, for the Repair of War Damage to Dwellings.

The form embodies the percentage additions upon prime cost, authorized under R.O.D. 1, previously mentioned and also provides an alternative arrangement whereby insurances are allowed as a part of the prime cost and excluded from the percentage additions.

The percentage additions, where insurances are included as a part of the prime cost, are as follows:

**Fee on Builder's Direct Work**

| Prime cost    | % addition | Minimum fee |
|---------------|------------|-------------|
| £             |            | £ s. d.     |
| 5-100         | 21½        | 21 10 0     |
| 101-500       | 19         | 95 0 0      |
| 501-1,000     | 16½        | 165 0 0     |
| 1,001-2,500   | 14         | 350 0 0     |
| 2,501-5,000   | 11½        | 575 0 0     |
| 5,001-12,000  | 9          | 1,080 0 0   |
| 12,001-25,000 | 8½         |             |

The percentage additions on sub-trades, analogous sub-trades, and sub-contracted work remain as in R.O.D. 1.

## R.I.B.A. FORM

The Cost-Plus-Percentage Form of Prime Cost Contract for Use in the Repair of War Damaged Property issued by the Royal Institute of British Architects is, unlike the MH/PC/1 Form, not specifically for the use of local authorities.

The form embodies the same definitions of prime cost and the same percentage additions as are contained in R.O.D. 1 (previously referred to) except that it makes provision for contracts where the builder's direct work exceeds £50,000.

The additional provisions are as follows:

| Prime cost         | % addition | Minimum fee         |
|--------------------|------------|---------------------|
| £<br>50,001-75,000 | 11½        | £ s. d.<br>6000 0 0 |
| 75,001-100,000     | 11         | 8625 0 0            |

*N.B.—The Joint Contracts Tribunal have agreed that any percentage additions agreed by the War Damage Commission under R.O.D. 1, in respect of contributions under the National Insurance Acts shall also apply to the R.I.B.A. Form. The present increase allowed is 3% agreed upon the value of wages paid.*

# FEEES FOR PROFESSIONAL SERVICES

Attention is drawn to the fact that the passages quoted are *extracts* from the scales of charges mentioned, which are those current at the date of going to press. The London Building Acts (Amendment) Act, 1939, contains additional clauses covering the fees of district surveyors, which are not judged to be sufficiently important to be included here. The scales authorised by the R.I.B.A. and R.I.C.S., for architects and surveyors respectively, also contain clauses for other services and, in addition, conditions of engagement and the principles to be observed in interpreting the scales.

The full scales can be obtained from the following:

*Architects.*—Royal Institute of British Architects, 66, Portland Place, London, W.1.

*Quantity Surveyors.*—Royal Institution of Chartered Surveyors, 12, Great George Street, London, S.W.1.

*District Surveyors.*—London Building Acts (Amendment) Act, 1939. H. M. Stationery Office, Kingsway, London, W.C.1.

## ARCHITECTS' FEES

### EXTRACTS FROM THE SCALE OF PROFESSIONAL CHARGES ISSUED BY THE ROYAL INSTITUTE OF BRITISH ARCHITECTS

(*Last Revised, 1947.*)

*Note:* At their meeting on 14th October, 1947, the Council of the R.I.B.A., resolved that, with effect from 1st December, 1947, and until further notice, on all final accounts for fees chargeable under Clauses 2 and 7 of the Scale of Charges up to and not exceeding a total of £1,150 there shall be a surcharge of 15% on the first £1,000 of the fee.

The Council decided that this amendment shall not be applied retrospectively to any work for which instructions had been given to the architect prior to 1st December, 1947.

#### Clause 2. FEES.

##### (a) New Works

For taking the client's instructions, preparing sketch design, making approximate estimate of cost by cubic



### *Architects' Fees*

measurement, or otherwise, preparing drawings and specifications for the purpose of obtaining tenders, advising on tenders and preparation of contract, selecting and instructing consultants (if any), furnishing to the contractor two copies of the contract drawings and specification and such further details as are necessary for the proper carrying out of the works, general supervision as above defined, issuing certificates for payment, and passing and certifying accounts, the charge in respect of new works, exclusive of the services enumerated in Clause 2 (h), is to be a percentage on the total cost of all executed works or orders as follows:

(i) If the contract and/or order exceeds £4000 the percentage is 6%.

(ii) If the contract and/or order does not exceed £4000 the percentage is 10% in the case of works costing £200 graduated to 6% in the case of works costing £4000 as the special character of such works may render appropriate.

(iii) These percentages apply to the great bulk of an architect's work, but the charge may be reduced to 5% in the case of extensive works of a simple character which involve continuous repetition of units.

#### **(b) Alterations and Additions**

In the case of alterations of and additions to existing buildings a higher percentage may be charged, not exceeding twice the amount due under Clause 2 (a) for new works of the same cost.

#### **(c) Fittings, Decorations, Etc.**

In works in which designs for fittings, furniture, appointments, decorations, garden work or complex detail or construction are main features, special fees will be charged adequate to the circumstances.

#### **(d) Omitted Works**

In addition to a percentage on the total cost of executed works, the Architect is entitled to charge in respect of all works included in the tender and/or order, but subsequently omitted not being merely provisional or contingent sums, two-thirds of the charge due upon them had they been executed.

#### **(e) Partial Service**

If the project or part of it be abandoned or deferred, or if the services of the Architect are dispensed with, the charges

**Architects' Fees**

in respect of the abandoned or deferred project or services for which the Architect was employed are as follows:

(i) For taking client's instructions and preparing preliminary sketch plans to illustrate possibilities of a site or cost of a scheme the charge is on *quantum meruit*.

(ii) For taking client's instructions, preparing sketch design sufficient to indicate the architect's interpretation of the client's instructions (but not in detail adequate to enable quantities to be prepared) and making approximate estimate of cost, the charge is on *quantum meruit* and should not exceed one-sixth of the percentage stated in Clauses 2 (a) or 2 (b) (as the case may be) on the estimated cost of such works.

(iii) For taking client's instructions, preparing sketch design, making approximate estimate of cost by cubic measurement, or otherwise, and preparing drawings and particulars sufficient to enable quantities to be prepared by an independent quantity surveyor or a tender obtained, the charge is two-thirds of the percentage stated in Clauses 2 (a) or 2 (b) (as the case may be) on the estimated cost of such works.

(iv) For the purpose of this clause a project shall be deemed to have been abandoned or deferred if either (a) the client notifies the architect to that effect, or (b) no contract has been entered into or order given for the works within six months of the completion by the architect of the work described in the last preceding sub-clause.

**(f) Mode and Time of Payment**

The architect is entitled to payment in stages as follows:

(i) For the services described in Clause 2 (e) (i) forthwith upon the completion of such work.

(ii) For the services described in Clause 2 (e) (ii) forthwith upon the completion of such work.

(iii) During the preparation of the working drawings referred to in Clause 2 (e) (iii), instalments of the fees set out in that clause dependent upon the amount of work completed.

(iv) For the services described in Clause 2 (e) (iii) forthwith upon signing of a contract, or the giving of an order, or the abandonment or deferring of the work, less any payments already received by him pursuant to the last three preceding sub-clauses.

(v) For the remainder (if any) of the services payment shall be made by instalments from time to time as the work of supervision proceeds.

**Architects' Fees****(g) Work Executed with Old Materials, etc.**

When work is executed wholly or in part with old materials, or where material, labour, or carriage is provided by the client, the percentage shall be calculated as if the works had been executed throughout by a contractor, and with new material.

**(h) Services not Included in Percentage**

Additional charges are to be made in accordance with the amount of work involved for:

(i) Advising as to the selection and suitability of sites. Negotiating as to sites or buildings. Surveying sites or buildings and taking levels, and making surveys, measurements, and plans of existing buildings.

(ii) The preparation of further sketch designs necessitated by a material alteration in, or addition to the client's instructions, or altering the working drawings and specification in consequence thereof prior to the commencement of the works. Altering drawings, or preparing new drawings, and other services occasioned by variations or additions required by the client after the commencement of the works. Making additional drawings for the use of the client, clerk of works, contractors, or sub-contractors, drawings for and negotiating with ground landlords, adjoining owners, public authorities, licensing authorities or others.

Services in respect of:

(iii) Party walls, rights of light, and other easements, reservations or restrictions.

(iv) Litigation, arbitration, or valuation.

(v) Delay in building operations by causes beyond the control of the architect, such as *force majeure*, bankruptcy, obstruction by parties.

**Clause 3. SURVEYS**

For making inspection, preparing report or giving advice on the structural or sanitary condition of premises, the charge is by time in accordance with Clause 7, the minimum fee being 3 guineas in addition to the cost of assistance.

**Clause 4. LITIGATION AND ARBITRATION**

For qualifying to give evidence, settling proofs, conferences with solicitors and counsel, attendance in court or before arbitrations or other tribunals, and for services in connection with litigation, the charge is based upon the time occupied, but is in no case to be less than 7 guineas per day.

Architects acting as arbitrators are recommended to base

***Architects' Fees***

their charges upon the total time occupied in dealing with a case at the rate of £2 2s. an hour exclusive of out-of-pocket expenses and other disbursements.

**Clause 5. DILAPIDATIONS**

For estimating dilapidations and furnishing or checking a schedule of the same, the charge is 5 guineas % on the sum agreed, the minimum fee being £5 5s. For negotiating settlement of claim and for other services, the charge is by time in accordance with Clause 7.

**Clause 6. TRAVELLING TIME**

An additional charge may be made if the work should be at such a distance as to lead to an exceptional expenditure of time in travelling.

**Clause 7. TIME CHARGES**

In cases in which charges are based upon time occupied the minimum fee is 7 guineas per day exclusive of charges for assistant's time.

**Clause 8. EXPENSES**

The Scale is, in all cases, exclusive of the cost of appliances, copies of documents, lithography, travelling and hotel expenses, and all other reasonable disbursements, which are to be charged in addition.

## QUANTITY SURVEYORS' FEES

### EXTRACTS FROM THE SCHEDULE OF PROFESSIONAL CHARGES ISSUED BY THE ROYAL INSTITUTION OF CHARTERED SURVEYORS

(Dated 1946)

The Scale of Charges for the preparation of bills of quantities set out in 1 (a) below is an over-all scale, based upon the inclusion of all provisional amounts which do not normally call for measurement.

The measurement and valuation of variations and the preparation of statements of account at the conclusion of the works are separate services for which the scale set out in 1 (b) provides.

#### 1. LUMP SUM CONTRACTS: ARCHITECTURAL WORK

When acting in the capacity of a quantity surveyor in connection with:

##### (a) Taking out and preparing bills of quantities:

###### (i) BASIC SCALE.

2½% upon the estimated cost of the work up to £10,000.

2% upon the balance above £10,000. (Minimum fee £35.)

###### (ii) WORKS OF ALTERATION.

The charges in sub-paragraph (i) shall be increased by ½% in respect of works of alteration.

###### (iii) GENERALLY.

Fees are to be calculated upon the basis of the accepted tender for the whole of the work. In the event of no tender being accepted, fees are to be calculated upon the basis of the lowest original *bona fide* tender received. In the event of no tender being received, the fees are to be calculated upon a reasonable valuation of the work, based upon the original bills of quantities.

If for any reason a tender, when received, is reduced before acceptance, fees are to be calculated upon the unreduced amount of such tender; and an additional fee, calculated in the same manner as is prescribed in paragraph (b) below with respect to fees for the measurement of variations, is chargeable for arriving at the amount by which the tender is reduced.

### ***Quantity Surveyors' Fees***

In calculating the amount on which fees are payable the total of the credit bill (if any) and the total of any alternative bills are to be added, but any omission bill forming part of an alternative bill is not to be included unless actual measurement is necessary to arrive at the omission.

The cost of lithographing or printing the bills of quantities is not included in the above scale, but is to be charged in addition at the net amount payable to the lithographer or printer.

(b) Measuring and making up accounts of variations upon contracts, including pricing and agreeing totals with contractors:

2½% upon the amount of the additions; and

1½% upon the amount of the omissions, less the total of provisional sums or work omitted as a whole.

No charge shall be made for the adjustment of provisional lump sums in cases where the exercise of professional skill is not involved.

(c) Taking out and preparing bills of quantities or measuring for and making up accounts of decoration contracts:

2% above the rates in the foregoing paragraphs.

(d) Pricing bills of quantities:

½%.

(e) Preparing approximate estimates based on measurement:

½% upon the estimated cost, or, alternatively, a charge to be based upon the time involved.

(f) Surveying works in progress, taking particulars and reporting for interim certificates:

½% upon the amount of each valuation less the amount of any previous valuation or valuations upon which fees shall have been paid or alternatively, a charge to be based upon the time involved.

(g) Taking particulars on site and writing specifications for works of alteration or repair, including supervision if required:

7½% upon the amount expended, or alternatively a charge to be based upon the time involved.

**NOTE.**—*In cases where any of the materials used in construction are supplied by the building owner, the percentage charge to be made upon the estimated or actual value thereof.*

*Quantity Surveyors' Fees*

## 2. SCHEDULE CONTRACTS: ARCHITECTURAL WORK

Preparing, pricing and agreeing schedules of prices:

A charge to be based upon the time involved.

Measuring under schedule and making up accounts, including pricing and agreeing totals:

2½% upon the gross amount of the account.

The above percentage applies only to the complete measurement and valuation of the buildings or building operations when undertaken as a whole and included in one account. When the measurement proceeds by stages involving the preparation of periodical bills, then the percentage charge shall be increased by ½%.

*NOTE.—In cases where any of the materials used in construction are supplied by the building owner, the percentage charge to be made upon the estimated or actual value thereof.*

## 3. PRIME COST CONTRACTS

(a) Checking prime costs in "cost-plus-profit" contracts and making up final accounts of works executed:

*Where the cost is £5000 or under:*

2% up to and including £2500.

1½% on the cost exceeding £2500 up to and including £5000.

*Where the cost exceeds £5000:*

1¼% all through, but with a minimum fee of £87 10s. 0d.

*NOTE.—The above scale does not apply to works necessitating measurement, which is to be paid for at the rates previously laid down.*

(b) Surveying works in progress and valuing and reporting for interim certificates in "cost-plus-profit" contracts:

½% upon the amount of each valuation less the amount of any previous valuation or valuations upon which fees shall have been paid, or alternatively, a charge to be based upon the time involved.

## 4. CIVIL ENGINEERING WORK

Generally speaking, the charges for services in relation to work which can be classed as civil engineering work, are, as regards the percentages, to be half those for architectural work, but the same as the latter in respect of charges based upon time.

## DISTRICT SURVEYORS' FEES

EXTRACTS FROM THE LONDON BUILDING ACTS  
(AMENDMENT) ACT, 1939—2ND SCHEDULE

| NEW BUILDINGS  | £ | s. | d. |
|--|---|----|----|
| In respect of a building of a cubical extent not exceeding 5000 cu. ft.:   |   |    |    |
| Not exceeding 500 cu. ft. ....   | 0 | 10 | 0  |
| Exceeding 500 cu. ft. but not exceeding 2000 cu. ft. ....  | 1 | 0  | 0  |
| Exceeding 2000 cu. ft. but not exceeding 5000 cu. ft. ....   | 1 | 10 | 0  |
| In respect of a building of a cubical extent exceeding 5000 cu. ft. the following fees together with an additional sum of £1 10s.:   |   |    |    |
| For every 1000 cu. ft. and also for any fractional part of 1000 cu. ft. up to an aggregate cubical extent of 1,000,000 cu. ft. ....  | 0 | 1  | 6  |
| For every 1000 cu. ft. beyond the first 1,000,000 cu. ft. and also for any fractional part of 1000 cu. ft. ....  | 0 | 0  | 9  |
| Provided that, when two or more dwelling houses each being of a cubical extent exceeding 5000 cu. ft. are erected by one builder or owner at the same time in the same street or under the same scheme, the additional sum shall be: |   |    |    |
| For the first of such buildings ....   | 1 | 10 | 0  |
| For each additional building ....  | 1 | 0  | 0  |

*N.B.—Public buildings not steel-framed or of reinforced concrete are as above plus 50%. All steel-framed buildings and buildings of reinforced concrete are as above plus 100%. See the Act for provisions for exempted, special and temporary buildings.*

| ALTERATIONS AND ADDITIONS   | £ | s. | d. |
|---|---|----|----|
| For every addition, alteration or other work made or done to or on any building or structure after the completion of the building or structure: |   |    |    |
| When the cost does not exceed £5 ....   | 0 | 10 | 0  |
| When the cost exceeds £5 but not £10 ....   | 0 | 15 | 0  |
| When the cost exceeds £10 but not £25 ....  | 1 | 0  | 0  |
| When the cost exceeds £25 but not £50 ....  | 1 | 10 | 0  |
| When the cost exceeds £50 but not £75 ....  | 2 | 0  | 0  |
| When the cost exceeds £75 but not £100 ....   | 2 | 10 | 0  |



*District Surveyors' Fees*

| ALTERATIONS AND ADDITIONS— <i>continued</i>   |  | £ | s. | d. |
|---|--|---|----|----|
| When the cost exceeds £100 but not £1,000:  |  |   |    |    |
| for the first £100 the sum of . . . . .   |  | 2 | 10 | 0  |
| And for every £100 beyond the first £100<br>and also for any fractional part of £100 . . . . .  |  | 0 | 12 | 6  |
| When the cost exceeds £1000:  |  |   |    |    |
| For the first £1000 the sum of . . . . .  |  | 8 | 2  | 6  |
| And for every £100 beyond £1000 and also<br>for any fractional part of £100 . . . . .   |  | 0 | 3  | 0  |
| <i>N.B.—Public buildings not steel-framed or of reinforced concrete are as above plus 50%. See the Act for provisions for exempted buildings, dividing buildings, or joining buildings.</i> |  |   |    |    |

## CHIMNEY SHAFTS

£ s. d.

|   |  |   |    |   |
|---|--|---|----|---|
| On the construction of a chimney shaft or similar shaft for ventilation or other purpose in addition to the fee payable for any other operation in progress at the same time: |  |   |    |   |
| Not exceeding 10 ft. in height . . . . .  |  | 0 | 10 | 0 |
| Exceeding 10 ft. and not exceeding 20 ft. . . . .   |  | 1 | 0  | 0 |
| Exceeding 20 ft. and not exceeding 30 ft. . . . .   |  | 1 | 10 | 0 |
| Exceeding 30 ft. and not exceeding 75 ft. . . . .   |  | 3 | 0  | 0 |
| Exceeding 75 ft. and not exceeding 100 ft. . . . .  |  | 4 | 0  | 0 |
| Exceeding 100 ft.:  |  |   |    |   |
| For the first 100 ft. the sum of £4 and for every 10 ft. beyond 100 ft. and for any fractional part of 10 ft. . . . .   |  | 0 | 10 | 0 |
| Provided that in respect of a reinforced concrete shaft the fee shall be two-and-one-half times the fee payable according to the foregoing scale.                             |  |   |    |   |
| On examining and certifying that a chimney breast in a party wall may or may not be cut away . . . . .  |  |   |    |   |
|   |  | 0 | 15 | 0 |

## MEANS OF ESCAPE

In respect of any work or thing under Section 34 (protection against fire in certain new buildings) or Section 35 (protection against fire in certain old buildings) of this Act, a fee equal to one-fifth of the amount of the fee payable under heading (b) of Part I of this schedule in respect of a building or the sum of £2, whichever is the greater:

Provided that in the case of a one-storey building the minimum fee shall be £1 instead of £2.

*N.B.—The fees payable under heading (b) of Part I of the Schedule are those mentioned herein for new buildings, disregarding the percentage additions for public and framed buildings.*

## APPENDICES

### STANDARD PRICE LIST OF CHANNELS IN WHITE-GLAZED WARE

*N.B.—These prices are NOT subject to the same terms as salt-glazed stoneware goods.*

*The prices given in this list are for standard quality and when such goods are sold in specially selected quality 10% is added to the prices shown.*

Standard quality is the makers' standard commercial grade with unavoidable manufacturing defects.

Specially selected quality is the best possible selection, but absence of minor imperfections is not guaranteed.

| Description                            | Unit | Price             |          |          |          |          |       |
|--|------|-------------------|----------|----------|----------|----------|-------|
|  |      | 2", 3",<br>and 4" | 6"       | 9"       | 12"      | 15"      | 18"   |
|  |      | s. d.             | s. d.    | s. d.    | s. d.    | s. d.    | s. d. |
| Drain-chutes .....                     | Each | 15 6              | 22 6     | —        | —        | —        | —     |
| Straight channels:                     |      |                   |          |          |          |          |       |
| 2' 0" long .....                       | "    | 6 6               | 8 6      | 14 6     | 22 0     | 35 0     | 50 0  |
| 2' 6" " .....                          | "    | 8 0               | 11 0     | 18 0     | 27 3     | 44 0     | 62 9  |
| 3' 0" " .....                          | "    | 9 9               | 12 9     | 21 9     | 33 0     | 52 6     | 75 0  |
| 6" " .....                             | "    | 3 3               | 4 3      | 7 3      | —        | —        | —     |
| 12" " .....                            | "    | 4 6               | 6 0      | 9 6      | 14 3     | —        | —     |
| 18" " .....                            | "    | 5 6               | 7 3      | 11 6     | 18 6     | —        | —     |
|  |      | 4"-6"             |          | 6"-9"    |          | 9"-12"   |       |
|  |      | s. d.             |          | s. d.    |          | s. d.    |       |
| Channel tapers, 2'<br>long .....       | "    | 11 0              |          | 15 6     |          | 24 6     |       |
|  |      | 4" on 4"          | 4" on 6" | 6" on 6" | 4" on 9" | 6" on 9" |       |
|  |      | s. d.             | s. d.    | s. d.    | s. d.    | s. d.    |       |
| Channel junctions:                     |      |                   |          |          |          |          |       |
| Single, 2' long ...                    | "    | 10 0              | 17 9     | 17 9     | 26 9     | 26 9     |       |
| Double, 2' long ..                     | "    | 14 3              | 24 6     | 24 6     | 35 0     | 35 0     |       |
|  |      | 4"-6"             |          | 6"-9"    |          | 9"-12"   |       |
|  |      | s. d.             |          | s. d.    |          | s. d.    |       |
| Short channel tapers,<br>1' long ..... | "    | 7 3               |          | 11 6     |          | 16 9     |       |
|  |      | 4" on 4"          |          | 4" on 6" |          | 6" on 6" |       |
|  |      | s. d.             |          | s. d.    |          | s. d.    |       |
| Short channel junc-<br>tions:          |      |                   |          |          |          |          |       |
| Single, 1' long ...                    | "    | 10 0              |          | 17 9     |          | 17 9     |       |
| Single, 1' 3" long .                   | "    | —                 |          | —        |          | 17 9     |       |
| Double, 1' long ...                    | "    | 14 3              |          | 24 6     |          | 24 6     |       |
| Double, 1' 3" long                     | "    | —                 |          | —        |          | 24 6     |       |



**Channels in White-Glazed Ware**

| Description   | Unit | Price |      |       |      |
|---|------|-------|------|-------|------|
|   |      | 4"    |      | 6"    |      |
| <b>GUTTER BLOCK CHANNELS—cont.</b>                            |      |       |      |       |      |
| Stop end, 12" long .....                                      | Each | s. 13 | d. 0 | s. 18 | d. 0 |
| Junction piece, 12" long .....                                | "    | 19    | 6    | 27    | 0    |
| Angle piece, 12" long .....                                   | "    | 19    | 6    | 27    | 0    |
| Straight, with outlet, 12" long .....                         | "    | 11    | 0    | 13    | 6    |
| Stop end, with outlet, 12" long .....                         | "    | 17    | 6    | 22    | 6    |
| Junction piece, with outlet, 12" long .....                   | "    | 24    | 0    | 31    | 6    |
| Angle piece, with outlet, 12" long .....                      | "    | 24    | 0    | 31    | 6    |
| With rebated edges for cover grating add 10% to above prices. |      |       |      |       |      |
| <b>BRASS GRATINGS</b>   |      |       |      |       |      |
| 4½" overall .....   | "    | s. 11 | d. 0 |       |      |
| Do., hinged and locking .....                                 | "    | 11    | 0    |       |      |
| Do., domed, hinged .....                                      | "    | 11    | 0    |       |      |
| Hinged and locking for:                                       |      |       |      |       |      |
| 4" channel .....  | "    | 11    | 0    |       |      |
| 6" " .....  | "    | 11    | 0    |       |      |

## SALT-GLAZED SANITARY PIPES AND FITTINGS

### *Standard Price List*

For special pipes, and all other articles in the list, where applicable, the current plusages are increased as follows:

#### **A. INCREASE CURRENT PLUSAGES BY 5%**

1. Sockets exceeding maximum depth.
  2. Pipes (including channels) exceeding maximum lengths.
  3. Patent or special jointed pipes without composition rings (but not including C2).
  4. Patent or special jointed pipes in which a stoneware ring or projection in the socket takes the place of a composition ring.
  5. Pipes with pour-holes in the sockets.
  6. Pipes supplied with canvas bands for jointing.
- Pipes supplied under A3, A4, and A5 may have deep sockets without extra charge.

#### **B. INCREASE CURRENT PLUSAGES BY 7½%**

British Standard Pipes.

#### **C. INCREASE CURRENT PLUSAGES BY 10%**

1. Extra thickness.
2. Pipes with a stoneware flange on the spigot.

#### **D. INCREASE CURRENT PLUSAGES BY 20%**

1. Pipes fitted with Stanford joints, Hassall's single lined joint, or any lined pipe involving the use of two rings of composition.

Pipes supplied under D may have deep sockets and pour-holes without extra charge.

#### **E. INCREASE CURRENT PLUSAGES BY 25%**

1. Tested pipes.
2. Perforated pipes.

#### **F. INCREASE CURRENT PLUSAGES BY 32½%**

British Standard Tested Pipes.

***Salt-Glazed Sanitary Pipes and Fittings*****G. INCREASE CURRENT PLUSAGES BY 42½%**

Pipes fitted with Hassall's double-lined joint or any joint involving the use of FOUR rings of composition.

Pipes supplied under G may have deep sockets and pour-holes without extra charge.

*N.B.—Where two or more specialities are combined in one pipe the above increases of current plusages are CUMULATIVE (except where otherwise provided), and the cumulative percentages applicable must be added together to form one percentage.*

**Salt-Glazed Sanitary Pipes and Fittings**

| Description                           | Unit  | Price   |       |       |       |       |       |       |       |       |       |        |       |       |
|---------------------------------------|-------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
|                                       |       | 2' & 3" | 4"    | 5"    | 6"    | 7"    | 8"    | 9"    | 10"   | 12"   | 15"   | 18"    | 21"   | 24"   |
| <b>ORDINARY PIPES</b>                 |       |         |       |       |       |       |       |       |       |       |       |        |       |       |
| Line No. 1.....                       | Yd.   | s. d.   | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d.  | s. d. | s. d. |
| " 2.....                              | "     | 2 1½    | 2 6   | 3 3   | 3 9   | 5 3   | 6 0   | 6 9   | 8 7½  | 11 3  | 18 9  | 26 9   | 34 6  | 42 6  |
| " 3.....                              | 2'    | 0 8½    | 0 10  | 1 1   | 1 3   | 1 9   | 2 0   | 2 3   | 2 10½ | 3 9   | 6 3   | 8 6    | 13 6  | 17 6  |
| " 4.....                              | 2'-6" | 1 5     | 1 8   | 2 2   | 2 6   | 3 6   | 4 0   | 4 6   | 5 9   | 7 6   | 12 6  | 17 6   | 27 0  | 35 0  |
|                                       |       | 1 9½    | 2 1   | 2 8½  | 3 1½  | 4 4½  | 5 0   | 5 7½  | 7 2½  | 9 4½  | 15 7½ | 21 10½ | 33 9  | 43 9  |
| <b>CHANNEL PIPES</b>                  |       |         |       |       |       |       |       |       |       |       |       |        |       |       |
| With or without sockets:              | Yd.   | 1 7½    | 1 10½ | 2 5½  | 2 9½  | 3 11½ | 4 6   | 5 0½  | 6 6   | 8 5½  | 14 0½ | 19 8½  | 30 4½ | 39 4½ |
| Line No. 5.....                       | 2'    | 0 6½    | 1 3   | 1 7½  | 1 10½ | 2 7½  | 3 0   | 3 4½  | 4 4   | 5 7½  | 9 4½  | 13 1½  | 20 3  | 26 3  |
| " 6.....                              | 2'-6" | 1 1     | 1 3   | 1 7½  | 2 4½  | 3 3½  | 3 9   | 4 2½  | 5 5   | 7 0½  | 11 8½ | 16 5   | 25 3½ | 32 9½ |
| " 7.....                              |       | 1 4½    | 1 6½  | 2 0½  | 2 4½  | 3 3½  | 3 9   | 4 2½  | 5 5   | 7 0½  | 11 8½ | 16 5   | 25 3½ | 32 9½ |
| " 8.....                              |       |         |       |       |       |       |       |       |       |       |       |        |       |       |
| Extra for outlet to channels, 1s. 6d. |       |         |       |       |       |       |       |       |       |       |       |        |       |       |
| <b>PIPE STOPPERS</b>                  |       |         |       |       |       |       |       |       |       |       |       |        |       |       |
| Plain:                                | Each  | 0 5     | 0 7½  | 0 10  | 1 0½  | 1 3   | 1 5½  | 1 8   | 2 1   | 2 11  | 4 7   | 6 8    | 10 0  | 15 0  |
| Line No. 9.....                       | "     | 0 10    | 1 3   | 1 8   | 2 1   | 2 6   | 2 11  | 3 4   | 4 2   | 5 10  | 9 2   | 13 4   | 20 0  | 30 0  |
| Stanford jointed:                     |       |         |       |       |       |       |       |       |       |       |       |        |       |       |
| Line No. 10.....                      |       |         |       |       |       |       |       |       |       |       |       |        |       |       |
| <b>PIPE ODDMENTS</b>                  |       |         |       |       |       |       |       |       |       |       |       |        |       |       |
| As 3½' pipe. Line No. 11              | Each  | 2 5½    | 2 11  | 3 9½  | 4 4½  | 6 1½  | 7 0   | 7 10½ | 10 13 | 11 21 | 10½   | 30     | 47 3  | 61 3  |
| 3½' " " 12                            | "     | 2 8     | 3 1½  | 4 0½  | 4 8½  | 6 6½  | 7 6   | 8 5½  | 10 14 | 11 23 | 5½    | 32 9½  | 50 7½ | 65 7½ |
| 4' " " 13                             | "     | 2 10    | 3 4   | 4 4   | 5 0   | 7 0   | 8 0   | 9 0   | 11 6  | 15 0  | 25 0  | 35 0   | 54 0  | 70 0  |

Salt-Glazed Sanitary Pipes and Fittings

| Description             | Unit | Price         |              |                |               |                |               |                |                 |                 |                 |                 |                 |                 |
|-------------------------|------|---------------|--------------|----------------|---------------|----------------|---------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                         |      | 2' & 3"       | 4"           | 5"             | 6"            | 7"             | 8"            | 9"             | 10"             | 12"             | 15"             | 18"             | 21"             | 24"             |
| <b>PIPE ODDMENTS</b>    |      |               |              |                |               |                |               |                |                 |                 |                 |                 |                 |                 |
| <i>—continued</i>       |      |               |              |                |               |                |               |                |                 |                 |                 |                 |                 |                 |
| As 4½ pipe. Line No. 14 | Each | s. 3<br>d. 2½ | s. 3<br>d. 9 | s. 4<br>d. 10½ | s. 5<br>d. 7½ | s. 7<br>d. 10½ | s. 9<br>d. 10 | s. 10<br>d. 11 | s. 11½<br>d. 12 | s. 13½<br>d. 14 | s. 16½<br>d. 16 | s. 19½<br>d. 18 | s. 22½<br>d. 20 | s. 25½<br>d. 22 |
| 5'                      | "    | 3 6½          | 4 2          | 5 11½          | 6 10½         | 7 11           | 8 10          | 9 11           | 10 12           | 11 13           | 12 14           | 13 15           | 14 16           | 15 17           |
| 5½'                     | "    | 3 10½         | 4 7          | 5 16½          | 6 15          | 7 16           | 8 15          | 9 16           | 10 17           | 11 18           | 12 19           | 13 20           | 14 21           | 15 22           |
| 6'                      | "    | 4 3           | 5 0          | 6 7            | 7 6           | 8 7            | 9 6           | 10 7           | 11 8            | 12 9            | 13 10           | 14 11           | 15 12           | 16 13           |
| 6½'                     | "    | 4 7½          | 5 5          | 6 12           | 7 11          | 8 12           | 9 11          | 10 12          | 11 13           | 12 14           | 13 15           | 14 16           | 15 17           | 16 18           |
| 7'                      | "    | 4 11½         | 5 10         | 6 17           | 7 16          | 8 17           | 9 16          | 10 17          | 11 18           | 12 19           | 13 20           | 14 21           | 15 22           | 16 23           |
| 7½'                     | "    | 4 15½         | 5 14         | 6 21           | 7 20          | 8 21           | 9 20          | 10 21          | 11 22           | 12 23           | 13 24           | 14 25           | 15 26           | 16 27           |
| 8'                      | "    | 5 3½          | 6 3          | 7 10           | 8 9           | 9 10           | 10 9          | 11 10          | 12 11           | 13 12           | 14 13           | 15 14           | 16 15           | 17 16           |
| 8½'                     | "    | 5 8           | 6 8          | 7 15           | 8 14          | 9 15           | 10 14         | 11 15          | 12 16           | 13 17           | 14 18           | 15 19           | 16 20           | 17 21           |
| 9'                      | "    | 6 0½          | 7 1          | 8 8            | 9 7           | 10 8           | 11 7          | 12 8           | 13 9            | 14 10           | 15 11           | 16 12           | 17 13           | 18 14           |
| 9½'                     | "    | 6 4½          | 7 6          | 8 13           | 9 12          | 10 13          | 11 12         | 12 13          | 13 14           | 14 15           | 15 16           | 16 17           | 17 18           | 18 19           |
| 10'                     | "    | 6 8½          | 7 11         | 8 18           | 9 17          | 10 18          | 11 17         | 12 18          | 13 19           | 14 20           | 15 21           | 16 22           | 17 23           | 18 24           |
| 10½'                    | "    | 7 1           | 8 4          | 9 11           | 10 10         | 11 11          | 12 10         | 13 11          | 14 12           | 15 13           | 16 14           | 17 15           | 18 16           | 19 17           |
| 11'                     | "    | 7 5½          | 8 9          | 9 16           | 10 15         | 11 16          | 12 15         | 13 16          | 14 17           | 15 18           | 16 19           | 17 20           | 18 21           | 19 22           |
| 11½'                    | "    | 7 9½          | 9 2          | 10 9           | 11 8          | 12 9           | 13 8          | 14 9           | 15 10           | 16 11           | 17 12           | 18 13           | 19 14           | 20 15           |
| 12'                     | "    | 8 1½          | 9 7          | 10 14          | 11 13         | 12 14          | 13 13         | 14 14          | 15 15           | 16 16           | 17 17           | 18 18           | 19 19           | 20 20           |
| 12½'                    | "    | 8 6           | 10 0         | 11 7           | 12 6          | 13 7           | 14 6          | 15 7           | 16 8            | 17 9            | 18 10           | 19 11           | 20 12           | 21 13           |
| 13'                     | "    | 8 10½         | 10 5         | 11 12          | 12 11         | 13 12          | 14 11         | 15 12          | 16 13           | 17 14           | 18 15           | 19 16           | 20 17           | 21 18           |
| 13½'                    | "    | 9 2½          | 10 10        | 11 17          | 12 16         | 13 17          | 14 16         | 15 17          | 16 18           | 17 19           | 18 20           | 19 21           | 20 22           | 21 23           |

Unsocketed or butt-jointed pipes charged same as seconds socketed pipes and at actual lengths.

Maximum lengths, except in Northern Area, North Wales Area, Potters' Area, and Scotland to which Ordinary List prices apply, are:  
 2'-6" ..... 2' and 8" ..... 2½' 9' and upwards ..... 3'

Maximum depths of sockets, except in Scotland, to which Ordinary List Prices apply are:

2', 3' and 4' diam. .... 2' diam. .... 2½' 6", 7", and 8" diam. .... 2½'  
 9"-15" diam. .... 3' 18" diam. .... 3½' Over 18" diam. .... 3½'

NOTE.—All Straight Pipes, Junctions, and Ordinary Tapers, and all articles included in the List, if less than 2' long charged as 2', and if over 2' long charged an extra 6" for EACH 6" or PORTION OF 6" over 2', subject to a reduction in discount of 5% where Maximum Lengths exceeded.



**Salt-Glazed Sanitary Pipes and Fittings**

**GULLY TOPS OR BLOCK SINKS**

Without grids, not exceeding 4" thick, 25% to be added for every inch or part of inch in thickness over 4".

|              |             |             |             |               |                  |                  |              |          |          |          |          |          |          |          |
|--------------|-------------|-------------|-------------|---------------|------------------|------------------|--------------|----------|----------|----------|----------|----------|----------|----------|
| 6x6          | 7x7         | 8x8         | 9x9         | 10x10         | 12x12            | 14x14            | 15x15        | 16x16    | 17x17    | 18x18    | 21x21    | 24x24    | 28x28    | 30x30    |
| s. d.        | s. d.       | s. d.       | s. d.       | s. d.         | s. d.            | s. d.            | s. d.        | s. d.    | s. d.    | s. d.    | s. d.    | s. d.    | s. d.    | s. d.    |
| 1 3 1 10 1/4 | 2 6 3 1 1/2 | 3 9 4 4 1/2 | 5 0 4 4 1/2 | 7 1/2 6 3 7 6 | 9 4 1/2 6 10 1/2 | 10 0 10 1/2 10 0 | 8 1 1/2 12 6 | 8 9 10 0 | 8 9 10 0 | 8 9 10 0 | 8 9 10 0 | 8 9 10 0 | 8 9 10 0 | 8 9 10 0 |

| Description  | 4" |    | 5" |    | 6"<br>4" out |        | 6"<br>6" out |       | 7" | 8" | 9" | 10" | 12" | 15" | 18" |    |   |    |   |    |   |    |   |  |
|--|----|----|----|----|--------------|--------|--------------|-------|----|----|----|-----|-----|-----|-----|----|---|----|---|----|---|----|---|--|
|  | s. | d. | s. | d. | s.           | d.     | s.           | d.    | s. | d. | s. | d.  | s.  | d.  | s.  | d. |   |    |   |    |   |    |   |  |
| <b>GULLIES. ORDINARY PATTERN.<br/>ROUND OR SQUARE</b>  | 6  | 3  | 6  | 3  | 6            | 10 1/2 | 9            | 4 1/2 | —  | 10 | 0  | 11  | 3   | 15  | 0   | 20 | 0 | 22 | 6 | 30 | 0 | 37 | 6 |  |
| Ordinary pattern round or square, without grids of any description:  |    |    |    |    |              |        |              |       |    |    |    |     |     |     |     |    |   |    |   |    |   |    |   |  |
| Not above 18" deep   |    |    |    |    |              |        |              |       |    |    |    |     |     |     |     |    |   |    |   |    |   |    |   |  |
| Above 18" but not above 24" deep   |    |    |    |    |              |        |              |       |    |    |    |     |     |     |     |    |   |    |   |    |   |    |   |  |
| " 24"  |    |    |    |    |              |        |              |       |    |    |    |     |     |     |     |    |   |    |   |    |   |    |   |  |
| " 30"  |    |    |    |    |              |        |              |       |    |    |    |     |     |     |     |    |   |    |   |    |   |    |   |  |
| " 36"  |    |    |    |    |              |        |              |       |    |    |    |     |     |     |     |    |   |    |   |    |   |    |   |  |
| " 42"  |    |    |    |    |              |        |              |       |    |    |    |     |     |     |     |    |   |    |   |    |   |    |   |  |
| " 48"  |    |    |    |    |              |        |              |       |    |    |    |     |     |     |     |    |   |    |   |    |   |    |   |  |
| " 54"  |    |    |    |    |              |        |              |       |    |    |    |     |     |     |     |    |   |    |   |    |   |    |   |  |
| The prices of square gullies and gratings follow size of the gratings, and prices of round gullies and gratings follow internal diameter of gully. |    |    |    |    |              |        |              |       |    |    |    |     |     |     |     |    |   |    |   |    |   |    |   |  |
| Grids (except where specially included), inlets, stoppers, inspection eyes, and sealing plates are all extras.                                     |    |    |    |    |              |        |              |       |    |    |    |     |     |     |     |    |   |    |   |    |   |    |   |  |
| Gullies required of a depth not given must be quoted and charged for at the nearest depth deeper.  |    |    |    |    |              |        |              |       |    |    |    |     |     |     |     |    |   |    |   |    |   |    |   |  |

**Salt-Glazed Sanitary Pipes and Fittings**

| Description   | 2" & 3" |    | 4"    |      | 5"   |      | 6"   |      | 7"   |      | 8"   |      | 9"   |      | 10"  |      | 12"  |      | 15"  |      | 18"  |      |
|---|---------|----|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|   | s.      | d. | s.    | d.   | s.   | d.   | s.   | d.   | s.   | d.   | s.   | d.   | s.   | d.   | s.   | d.   | s.   | d.   | s.   | d.   | s.   | d.   |
| <b>GRATES OR GRIDS</b>  |         |    |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Stoneware .....   | —       | —  | 0 7½  | 0 10 | 1 0½ | 1 3  | 1 5½ | 1 8  | 2 1  | 2 11 | 2 11 | 2 11 | 2 11 | 2 11 | 2 11 | 2 11 | 2 11 | 2 11 | 2 11 | 2 11 | 2 11 | 2 11 |
| Iron. Round or square, black .....  | —       | —  | 0 7½  | 0 10 | 1 3  | 1 8  | 2 1  | 2 6  | 2 11 | 2 11 | 2 11 | 2 11 | 2 11 | 2 11 | 2 11 | 2 11 | 2 11 | 2 11 | 2 11 | 2 11 | 2 11 | 2 11 |
| "    "    galvanized .....  | —       | —  | 1 0½  | 1 5½ | 2 1  | 2 11 | 3 9  | 4 4½ | 5 2½ | 5 9  | 5 9  | 5 9  | 5 9  | 5 9  | 5 9  | 5 9  | 5 9  | 5 9  | 5 9  | 5 9  | 5 9  | 5 9  |
| "    Hinged to stoneware, black .....   | —       | —  | 1 3   | 1 8  | 2 6  | 3 4  | 4 2  | 5 0  | 5 10 | 5 10 | 5 10 | 5 10 | 5 10 | 5 10 | 5 10 | 5 10 | 5 10 | 5 10 | 5 10 | 5 10 | 5 10 | 5 10 |
| "    "    galvanized .....  | —       | —  | 1 10½ | 2 6  | 3 9  | 5 0  | 6 3  | 7 6  | 8 9  | 8 9  | 8 9  | 8 9  | 8 9  | 8 9  | 8 9  | 8 9  | 8 9  | 8 9  | 8 9  | 8 9  | 8 9  | 8 9  |
| <b>GULLY RISERS</b>   |         |    |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| With no inlets .....  | —       | —  | 2 1½  | 2 11 | 3 9  | —    | 5 0  | 5 10 | —    | 7 6  | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    |
| <b>SYPHONS</b>  |         |    |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| With no inlets .....  | 7       | 1  | 8     | 4    | 11   | 8    | 13   | 4    | 19   | 7    | 22   | 6    | 25   | 5    | —    | —    | —    | —    | —    | —    | —    | —    |
| <b>P., Q. AND S. TRAPS</b>  |         |    |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| With no inlets .....  | 5       | 5  | 6     | 3    | 8    | ½    | 9    | 4½   | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    |
| <b>SYPHONS AND P., Q. AND S. TRAPS</b>  |         |    |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| With inlet on socket end, including Buchan<br>and traps of a similar type ..... | —       | —  | 9     | 7    | 12   | 6    | 14   | 4½   | 21   | 3    | 24   | 2    | 25   | 10   | 35   | 0    | 75   | 0    | —    | —    | —    | —    |
| Extra for inlets on centre or spigot end.                                       |         |    |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| <b>MANHOLE INTERCEPTORS</b>   |         |    |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| With any number of inlets with Stanford jointed<br>stopper .....                | —       | —  | 17    | 6    | 20   | 0    | 22   | 6    | 27   | 6    | 32   | 6    | 37   | 6    | —    | —    | —    | —    | —    | —    | —    | —    |
| If supplied without Stanford joints, 1s. 3d. each less.                         |         |    |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| <b>SYKES INTERCEPTORS</b>   |         |    |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| With any number of inlets with Stanford jointed<br>stopper .....                | —       | —  | 35    | 0    | —    | —    | 45   | 0    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    |

**Salt-Glazed Sanitary Pipes and Fittings**

| Description  | 3"   |       | 4"    |       | 5"    |       | 6"    |       | 7"    |       | 8"    |       | 9"    |      | 10"  |      | 12"  |      | 15"  |      | 18"  |       |
|--|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|-------|
|  | s.   | d.    | s.    | d.    | s.    | d.    | s.    | d.    | s.    | d.    | s.    | d.    | s.    | d.   | s.   | d.   | s.   | d.   | s.   | d.   | s.   | d.    |
| <b>STONEWARE LOCKING STOPPER</b><br>For interceptors, or screw stopper, <i>extra</i> ..... | —    | 3 4   | —     | 5 0   | —     | —     | —     | —     | —     | —     | —     | —     | —     | —    | —    | —    | —    | —    | —    | —    | —    | —     |
| <b>PIPE AND BLOCK TRAPS</b><br>With galvanized metal flaps .....                           | —    | 8 4   | —     | 12 6  | —     | —     | —     | —     | —     | —     | —     | —     | —     | —    | —    | —    | —    | —    | —    | —    | —    | —     |
| <b>SLUICE VALVE</b><br>Including wooden slide .....  | 17 6 | 20 0  | —     | 25 0  | —     | —     | —     | —     | —     | —     | —     | —     | —     | —    | —    | —    | —    | —    | —    | —    | —    | —     |
| <b>JUNCTION AND GULLY BLOCKS</b><br>Square, 4½" work .....                                 | —    | 6 3   | —     | 10 0  | —     | —     | —     | —     | —     | —     | —     | —     | —     | —    | —    | —    | —    | —    | —    | —    | —    | —     |
| Oblique, 4½" work .....  | —    | 7 6   | —     | 13 9  | —     | —     | —     | —     | —     | —     | —     | —     | —     | —    | —    | —    | —    | —    | —    | —    | —    | —     |
| Square, 9" work .....  | —    | 10 0  | —     | 15 0  | —     | —     | —     | —     | —     | —     | —     | —     | —     | —    | —    | —    | —    | —    | —    | —    | —    | —     |
| Oblique, 9" work .....   | —    | 11 3  | —     | 20 0  | —     | —     | —     | —     | —     | —     | —     | —     | —     | —    | —    | —    | —    | —    | —    | —    | —    | —     |
| Outside measurements   |      |       |       |       |       |       |       |       |       |       |       |       |       |      |      |      |      |      |      |      |      |       |
|  | 12×9 | 12×10 | 12×15 | 12×16 | 12×18 | 12×20 | 12×24 | 15×18 | 15×20 | 15×24 | 18×15 | 20×15 | 24×15 |      |      |      |      |      |      |      |      |       |
| <b>GULLIES. RECTANGULAR</b><br>Grids, inlets, stoppers:<br>Depth 24" and under .....       | 16 8 | 20 0  | 27 6  | 28 9  | 32 6  | 36 3  | 40 0  | 36 3  | 40 0  | 36 3  | 40 0  | 36 3  | 40 0  | 36 3 | 40 0 | 36 3 | 40 0 | 36 3 | 40 0 | 36 3 | 40 0 | 50 0  |
| " 25"-30" .....  | 21 3 | 25 0  | 34 7  | 36 3  | 40 0  | 45 0  | 50 0  | 45 0  | 50 0  | 45 0  | 50 0  | 45 0  | 50 0  | 45 0 | 50 0 | 45 0 | 50 0 | 45 0 | 50 0 | 45 0 | 50 0 | 60 0  |
| " 31"-36" .....  | 26 3 | 31 3  | 41 3  | 45 3  | 50 0  | 56 3  | 60 0  | 56 3  | 60 0  | 56 3  | 60 0  | 56 3  | 60 0  | 56 3 | 60 0 | 56 3 | 60 0 | 56 3 | 60 0 | 56 3 | 60 0 | 75 0  |
| " 37"-42" .....  | 32 6 | 38 9  | 51 8  | 56 3  | 63 9  | 70 0  | 75 0  | 75 0  | 80 0  | 75 0  | 80 0  | 75 0  | 80 0  | 75 0 | 80 0 | 75 0 | 80 0 | 75 0 | 80 0 | 75 0 | 80 0 | 93 9  |
| " 43"-48" .....  | 40 0 | 40 0  | 65 0  | 70 0  | 80 0  | 87 6  | 93 9  | 87 6  | 93 9  | 87 6  | 93 9  | 87 6  | 93 9  | 87 6 | 93 9 | 87 6 | 93 9 | 87 6 | 93 9 | 87 6 | 93 9 | 117 6 |
| Inspection keys and sealing plates are all <i>extras</i> .                                 |      |       |       |       |       |       |       |       |       |       |       |       |       |      |      |      |      |      |      |      |      |       |

**Salt-Glazed Sanitary Pipes and Fittings**

| Item                                    | Price        |              |              |              |
|---|--------------|--------------|--------------|--------------|
|   | 6"           | 8"           | 9"           | 12"          |
|   | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| <b>REVERSIBLE GULLIES</b>               |              |              |              |              |
| Hopper only (round or square) . . . . . | 4 7          | 7 6          | 9 2          | 15 0         |
| Grid:                                   |              |              |              |              |
| Black . . . . .                         | 1 3          | 2 1          | 2 6          | 5 5          |
| Galvanized . . . . .                    | 2 1          | 3 9          | 4 . 4½       | 9 7          |

Trap bottom:  
 4" to 4", 6s. 3*d.* each.  
 6" to 4", 6s. 10½*d.* each.  
 6" to 6", 9s. 4½*d.* each.  
 All inlets *extra*.

| Item  | Price        |
|---|--------------|
|   | <i>s. d.</i> |
| <b>CHANNEL WASTE TO GULLY, OR DOCK-<br/>ING'S GULLY</b> |              |
| 25 × 8 . . . . .  | 10 0         |
| Special light grid over outlet, about 6 × 6:            |              |
| Black . . . . .   | 1 3          |
| Galvanized . . . . .                                    | 2 1          |
| Top grating, about 22 × 5½:                             |              |
| Black . . . . .   | 3 9          |
| Galvanized . . . . .                                    | 6 3          |
| Wire grid covers . . . . .                              | 2 11         |

| Item  | Diameter of gully |              |              |              |
|---|-------------------|--------------|--------------|--------------|
|   | 6"                | 7"           | 9"           | 12"          |
|   | <i>s. d.</i>      | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| <b>GREASE OR MUD GULLIES</b>  |                   |              |              |              |
| Dean's pattern:   |                   |              |              |              |
| Gully, not exceeding 2' in depth, with<br>inner shelf for bucket rest . . . . . | 10 0              | 11 3         | 17 1         | 24 7         |
| Grate:  |                   |              |              |              |
| Black . . . . .   | 1 3               | 1 8          | 2 6          | 5 5          |
| Galvanized . . . . .  | 2 1               | 2 11         | 4 4½         | 9 7          |
| Bucket:   |                   |              |              |              |
| Black . . . . .   | 4 2               | 5 0          | 6 3          | 10 0         |
| Galvanized . . . . .  | 7 1               | 8 9          | 10 10        | 17 6         |

| Item  | Price        |
|---|--------------|
|   | <i>s. d.</i> |
| Ordinary pattern, 9" round or square:                   |              |
| Gully (not exceeding 18" in depth) . . . . .            | 11 3         |
| Grate:  |              |
| Black . . . . .   | 2 6          |
| Galvanized . . . . .                                    | 4 4½         |
| Bucket:   |              |
| Galvanized sheet iron or C.I. black . . . . .           | 6 3          |
| Cast iron galvanized . . . . .                          | 10 10        |
| Gully top or block sink <i>extra</i> according to size. |              |

**Salt-Glazed Sanitary Pipes and Fittings**

The numbers given under the heading "Line in Price List" are the numbers of the lines on the various Class Lists, where the figures for Pipe Oddments will be found.

| Item                                   | Charged as feet of whole pipe when not more than 2' long  |                    | Exceeding 2' but not more than 2½' long | Exceeding 2½' but not more than 3' long |    |
|--|---|--------------------|---|---|----|
|  | Feet  | Line in price list | Line in price list                      | Line in price list                      |    |
| <b>STRAIGHT PIPES</b>                  |   |                    |   |   |    |
| Splay pipes, 2"-6" diameter ....       | 3   | 1                  | 11                                      | 13                                      |    |
| " 7"-12" "                             | 4½  | 14                 | 15                                      | 16                                      |    |
| " over 12" "                           | 6   | 17                 | 18                                      | 19                                      |    |
| Union pipes .....                      | 6   | 17                 | 18                                      | 19                                      |    |
| Stop tap pipes .....                   | 3   | 1                  | 11                                      | 13                                      |    |
| <b>JUNCTIONS</b>                       |   |                    |   |   |    |
| Junctions, saddle .....                | 4   | 13                 | —                                       | —                                       |    |
| " single .....                         | 4   | 13                 | 14                                      | 15                                      |    |
| " " curved .....                       | 5   | 15                 | 16                                      | 17                                      |    |
| " double or breeches ..                | 6   | 17                 | 18                                      | 19                                      |    |
| " " curved .....                       | 8   | 21                 | 22                                      | 23                                      |    |
| " double spaced .....                  | 8   | 21                 | 22                                      | 23                                      |    |
| " taper, single .....                  | 6   | 17                 | 18                                      | 19                                      |    |
| " " double .....                       | 8   | 21                 | 22                                      | 23                                      |    |
| <b>TAPERS</b>                          |   |                    |   |   |    |
| Tapers, single. Ordinary .....         | 4   | 13                 | 14                                      | 15                                      |    |
| Tapers level invert:                   |   |                    |   |   |    |
| Less than 18" long .....               | 5   | 15                 | —                                       | —                                       |    |
| 18"-24" long .....                     | 8   | 21                 | 22                                      | 23                                      |    |
| <b>INSPECTION ODDMENTS</b>             |   |                    |   |   |    |
| With or without lids.                  |   |                    |   |   |    |
| Pipes (also capped or opercular) ..... | } If inspection opening inside measurement exceeds diameter of main pipes these must be charged as access oddments. | 5                  | 15                                      | 16                                      | 17 |
| Junctions:                             |   | 7                  | 19                                      | 20                                      | 21 |
| Single .....                           |   | 8                  | 21                                      | 22                                      | 23 |
| Single curved .....                    |   | 9                  | 23                                      | 24                                      | 25 |
| Double .....                           |   | 10                 | 25                                      | 26                                      | 27 |
| Double curved .....                    |   |                    |   |   |    |
| Bends, see Bends.                      |   |                    |   |   |    |

**Salt-Glazed Sanitary Pipes and Fittings**

| Item  | Charged as feet of whole pipe when not more than 2' long |                              | Exceeding 2' but not more than 2½' long | Exceeding 2½' but not more than 3' long |
|---|--|------------------------------|---|---|
|   | Feet   | Line in price list           | Line in price list                      | Line in price list                      |
| <b>ACCESS ODDMENTS</b>  |  |                              |   |   |
| With or without lids.   |  |                              |   |   |
| Pipes . . . . .   | 8  | 21                           | 22                                      | 23                                      |
| Junctions: } If access opening exceeds 14" in length inside measurement charge an additional foot | 10   | 25                           | 26                                      | 27                                      |
| Single . . . . .  | 12   | 29                           | 30                                      | 31                                      |
| Double . . . . .  |  |                              |   |   |
| Bends, see Bends.   |  |                              |   |   |
| <b>CHANNEL ODDMENTS</b>   |  |                              |   |   |
| For ½-section and other Bends, see Bends.   |  |                              |   |   |
| *½-section channel pipes . . . . .  | 3  | 1                            | 11                                      | 13                                      |
| *Junctions, single . . . . .  | 3  | 1                            | 11                                      | 13                                      |
| * " " curved . . . . .  | 4  | 13                           | 14                                      | 15                                      |
| * " " double or breeches . . . . .  | 4½   | 14                           | 15                                      | 16                                      |
| * " " " curved . . . . .  | 6  | 17                           | 18                                      | 19                                      |
| * " " double spaced . . . . .   | 6  | 17                           | 18                                      | 19                                      |
| * " " taper . . . . .   | 4½   | 14                           | 15                                      | 16                                      |
| * " " " double . . . . .  | 6  | 17                           | 18                                      | 19                                      |
| *Tapers, ordinary . . . . .   | 3  | 1                            | 11                                      | 13                                      |
| Stop end to channels charge 2' extra.   |  |                              |   |   |
| <b>Diameter</b>   |  |                              |   |   |
| 2"-12"  |  | Over 12"                     |   |   |
| Charged as ft. of whole pipe  | Line in price list                                       | Charged as ft. of whole pipe | Line in price list                      |   |
| <b>BENDS</b>  |  |                              |   |   |
| FOR DELIVERY ANYWHERE EXCEPT IN SCOTLAND.   |  |                              |   |   |
| Bends, including knuckles . . . . .   | 3  | 1                            | 6                                       | 17                                      |
| Elbow or knee, mitred or round . . . . .  | 4  | 13                           | 7½                                      | 20                                      |
| Swanneck or offset . . . . .  | 6  | 17                           | —                                       | —                                       |
| Junction bends and taper bends . . . . .  | 5  | 15                           | 10                                      | 25                                      |
| Rest bends . . . . .  | 6  | 17                           | 9                                       | 23                                      |
| Rest taper bends . . . . .  | 8  | 21                           | 13                                      | 31                                      |
| Rest junction bends . . . . .   | 10   | 25                           | 13                                      | 31                                      |

**Salt-Glazed Sanitary Pipes and Fittings**

| Item   | Diameter                     |                    |                              |                    |
|--|------------------------------|--------------------|------------------------------|--------------------|
|  | 2"-12"                       |                    | Over 12"                     |                    |
|  | Charged as ft. of whole pipe | Line in price list | Charged as ft. of whole pipe | Line in price list |
| <b>BENDS—continued</b>   |                              |                    |                              |                    |
| Inspection bends .....   | 6                            | 17                 | —                            | —                  |
| Inspection junction bends .....  | 8                            | 21                 | —                            | —                  |
| Access bends .....   | 9                            | 23                 | —                            | —                  |
| Access junction bends .....  | 11                           | 27                 | —                            | —                  |
| Channel bends:   |                              |                    |                              |                    |
| ½ section, not splayed .....   | 2½                           | 5                  | 4½                           | 14                 |
| ½ section, splayed ends .....  | 4½                           | 14                 | 8                            | 21                 |
| ¾ section, not splayed .....   | 6                            | 17                 | 12                           | 29                 |
| ¾ section, splayed ends .....  |                              |                    |                              |                    |
| Channel taper bends .....  | 3½                           | 12                 | 8                            | 21                 |
| FOR DELIVERY IN SCOTLAND.  |                              |                    |                              |                    |
| Bends, including knuckles .....  | 4                            | 13                 | 6                            | 17                 |
| Elbow or knee, mitred or round .....   | 4                            | 13                 | 7½                           | 20                 |
| Swanneck or offset .....   | 7                            | 19                 | —                            | —                  |
| Junction bends and taper bends .....   | 6                            | 17                 | 10                           | 25                 |
| Rest bends .....   | 7                            | 19                 | 9                            | 23                 |
| Rest taper bends .....   | 9                            | 23                 | 13                           | 31                 |
| Rest junction bends .....  | 11                           | 27                 | 13                           | 31                 |
| Inspection bends .....   | 7                            | 19                 | —                            | —                  |
| Inspection junction bends .....  | 9                            | 23                 | —                            | —                  |
| Access bends .....   | 10                           | 25                 | —                            | —                  |
| Access junction bends .....  | 12                           | 29                 | —                            | —                  |
| Channel bends:   |                              |                    |                              |                    |
| ½ section, not splayed .....   | 3                            | 1                  | 4½                           | 14                 |
| ½ section, splayed ends .....  | 4½                           | 14                 | 8                            | 21                 |
| ¾ section, not splayed .....   | 6                            | 17                 | 12                           | 29                 |
| ¾ section, splayed ends .....  |                              |                    |                              |                    |
| Channel taper bends .....  | 4½                           | 14                 | 8                            | 21                 |
| <b>MISCELLANEOUS</b>   |                              |                    |                              |                    |
| Connecting or double sockets .....   |                              |                    | 4                            | 13                 |
| Chair and saddle, per pair .....   |                              |                    | 4                            | 13                 |
| Connectors or short breeches for making connections between rainwater pipes and gullies (round or square): |                              |                    |                              |                    |
| For one rainwater pipe, straight pattern .....   |                              |                    | 4                            | 13                 |
| " " " " curved " .....   |                              |                    | 5                            | 15                 |
| " two " " straight " .....   |                              |                    | 6                            | 17                 |
| " " " " curved " .....   |                              |                    | 7                            | 19                 |
| " three " " straight " .....   |                              |                    | 8                            | 21                 |
| " " " " curved " .....   |                              |                    | 9                            | 23                 |
| Drain chute .....  |                              |                    | 6                            | 17                 |
| Loose collars .....  |                              |                    | 2                            | 3                  |
| Rainwater shoes:   |                              |                    |                              |                    |
| Round grid (without grids) .....   |                              |                    | 8                            | 21                 |
| Oblong or oval, to take grid 10×8 (without grids) .....  |                              |                    | 12                           | 29                 |

The feet of pipe given are for articles not exceeding 2' long. All articles (except level invert tapers) if less than 2' long, are charged as TWO FEET and if OVER 2' long are charged an *extra* SIX INCHES for EACH SIX INCHES OR PORTION OF SIX INCHES OVER 2'.

# STANDARD PRICE LIST OF SCREWED AND SOCKETED TUBES AND FITTINGS FOR GAS, WATER, AND STEAM

| No.             | Item                                    | Unit | Internal diameter (nominal), in inches |                   |                   |                   |                   |                    |                    |                 |                   |                 |       |                 |       |       |       |       |  |
|-----------------|---|------|--|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|-----------------|-------------------|-----------------|-------|-----------------|-------|-------|-------|-------|--|
|                 |   |      | $\frac{1}{8}$ and $\frac{1}{4}$        | $\frac{3}{8}$     | $\frac{1}{2}$     | $\frac{5}{8}$     | 1                 | 1 $\frac{1}{4}$    | 1 $\frac{1}{2}$    | 1 $\frac{3}{4}$ | 2                 | 2 $\frac{1}{2}$ | 3     | 3 $\frac{1}{2}$ | 4     | 5     | 6     |       |  |
|                 |   |      | s. d.                                  | s. d.             | s. d.             | s. d.             | s. d.             | s. d.              | s. d.              | s. d.           | s. d.             | s. d.           | s. d. | s. d.           | s. d. | s. d. | s. d. |       |  |
| <b>TUBES</b>    |   |      |  |                   |                   |                   |                   |                    |                    |                 |                   |                 |       |                 |       |       |       |       |  |
| 1               | Tubes, 2' long and over ..              | Ft.  | 0 4                                    | 0 4 $\frac{1}{2}$ | 0 5 $\frac{1}{2}$ | 0 6 $\frac{1}{2}$ | 0 6 $\frac{1}{2}$ | 0 9 $\frac{1}{2}$  | 1 1                | 1 1             | 1 4 $\frac{1}{2}$ | 1 10            | 2 10  | 3 3             | 4 0   | 4 5   | 6 0   | 7 6   |  |
| 2               | Pieces: 12"-23 $\frac{1}{2}$ " long     | Each | 0 10                                   | 0 11              | 1 1               | 1 5               | 1 11              | 2 8                | 3 4                | 4 9             | 4 9               | 8 0             | 10 6  | 13 6            | 15 6  | 15 6  | 24 0  | 32 6  |  |
| 3               | 4"-11 $\frac{1}{2}$ " long              | "    | 0 7                                    | 0 8               | 0 9               | 0 11              | 1 3               | 1 8                | 2 2                | 3 0             | 3 0               | 5 3             | 6 9   | 9 3             | 10 9  | 18 0  | 25 3  |       |  |
| 4               | Longscrews: 12"-23 $\frac{1}{2}$ " long | "    | 0 11                                   | 1 0               | 1 3               | 1 7               | 2 2               | 2 10               | 3 9                | 5 3             | 5 3               | 9 0             | 12 0  | 15 6            | 17 0  | 26 6  | 35 6  | 6 6   |  |
| 5               | 3"-11 $\frac{1}{2}$ " long              | "    | 0 8                                    | 0 9               | 0 10              | 1 1               | 1 5               | 1 11               | 2 6                | 3 6             | 3 6               | 6 6             | 8 6   | 11 6            | 13 0  | 20 0  | 28 0  | 0 0   |  |
| 23              | Barrel nipples.                         | "    | 0 5                                    | 0 5               | 0 6               | 0 7               | 0 9               | 1 0                | 1 4                | 1 9             | 1 9               | 3 0             | 4 0   | 6 0             | 7 0   | 12 6  | 20 0  | 0 0   |  |
| 6               | Bends .....                             | "    | 0 8                                    | 0 9               | 0 11              | 1 2               | 1 7 $\frac{1}{2}$ | 2 7 $\frac{1}{2}$  | 3 2                | 5 2             | 5 2               | 12 0            | 18 0  | 25 0            | 32 6  | 6 105 | 0 150 | 0 0   |  |
| 7, 8, 9         | Springs, .....                          | "    | 0 5                                    | 0 6               | 0 7               | 0 9               | 1 1 $\frac{1}{2}$ | 1 11 $\frac{1}{2}$ | 2 3 $\frac{1}{2}$  | 3 11            | 3 11              | 9 6             | 14 6  | 20 0            | 26 6  | 6 93  | 0 132 | 0 0   |  |
|                 | socketed ..                             | "    |  |                   |                   |                   |                   |                    |                    |                 |                   |                 |       |                 |       |       |       |       |  |
| <b>FITTINGS</b> |   |      |  |                   |                   |                   |                   |                    |                    |                 |                   |                 |       |                 |       |       |       |       |  |
| 10              | Socket union .                          | "    | 2 0                                    | 2 6               | 3 0               | 4 0               | 5 6               | 6 9                | 8 0                | 10 0            | 10 0              | 17 6            | 22 6  | 27 6            | 35 0  | 66 0  | 105 0 | 0 0   |  |
| 11              | Pipe union ...                          | "    | 0 10                                   | 0 11              | 1 1               | 1 3               | 1 6               | 2 2                | 2 7                | 4 3             | 4 3               | 9 6             | 14 0  | 22 0            | 28 0  | 30 0  | 95 0  | 150 0 |  |
| 12              | Elbows, square                          | "    | 0 11                                   | 1 1               | 1 2               | 1 5               | 1 8               | 2 4                | 2 10               | 4 8             | 4 8               | 10 6            | 16 0  | 24 0            | 30 0  | 95 0  | 150 0 | 0 0   |  |
| 13              | Elbows, round                           | "    | 1 0                                    | 1 1               | 1 3               | 1 7               | 1 10              | 2 6                | 3 1                | 5 1             | 5 1               | 11 6            | 18 0  | 26 0            | 32 0  | 98 0  | 155 0 | 0 0   |  |
| 14              | Tees .....                              | "    | 2 0                                    | 2 4               | 2 9               | 3 3               | 4 1               | 5 6                | 6 3                | 7 10            | 6 6               | 22 0            | 40 0  | 56 0            | 66 8  | 220 0 | 350 0 | 0 0   |  |
| 15              | Crosses .....                           | "    | 0 3                                    | 0 3               | 0 4               | 0 5               | 0 6               | 0 8                | 0 10 $\frac{1}{2}$ | 1 3             | 1 3               | 2 6             | 3 6   | 5 0             | 6 0   | 12 0  | 18 0  | 0 0   |  |
| 16              | Sockets, plain.                         | "    |  |                   |                   |                   |                   |                    |                    |                 |                   |                 |       |                 |       |       |       |       |  |





**Screwed and Socketed Random Length Tubes**

Screwed and socketed random length tubes.

(Sizes  $\frac{1}{8}$ "– $\frac{3}{8}$ "—8' and up, and sizes  $\frac{1}{2}$ "–6"—15' and up) at manufacturer's option, are charged at List Price, less current discount.

**ALLOWANCES.**

1. Random length tubes (sizes  $\frac{1}{8}$ "– $\frac{3}{8}$ "—8' and up, and sizes  $\frac{1}{2}$ "–6"—15' and up):

- (a) Screwed, without sockets, 1 $\frac{1}{4}$ % gross allowance.  
 (b) Plain ends, without sockets, 1 $\frac{3}{4}$ % gross allowance.

**EXTRAS.**

2. *Random Lengths Under 15'* are charged as follows:

|   | 2' to<br>under<br>4' | 4' to<br>under<br>6' | 6' to<br>under<br>8' | 8' to<br>under<br>15' |              |
|---|----------------------|----------------------|----------------------|-----------------------|--------------|
| Screwed and<br>socketed . . . . .       | 22 $\frac{1}{2}$ %   | 11 $\frac{1}{4}$ %   | 5 $\frac{1}{4}$ %    | 3 $\frac{3}{4}$ %     | gross extra. |
| Screwed without<br>sockets . . . . .    | 11 $\frac{1}{4}$ %   | 5 $\frac{1}{4}$ %    | 3 $\frac{3}{4}$ %    | 2%                    | „            |
| Plain ends without<br>sockets . . . . . | 5 $\frac{1}{4}$ %    | 2 $\frac{1}{4}$ %    | 2%                   | 1 $\frac{1}{4}$ %     | „            |

Any restriction within the above ranges may be subject to a further extra.

*N.B.—In  $\frac{1}{8}$ ",  $\frac{1}{4}$ ", and  $\frac{3}{8}$ " sizes the extras indicated above for lengths 8'—15' do not apply.*

3. *Exact Lengths.*—For tubes in exact lengths, irrespective of length, 3 $\frac{3}{4}$ % gross extra will be charged in addition to the extras for short lengths and to any other extras or allowances which may be applicable.

4. *Coating.*—Tubes and fittings coated inside and outside, or outside only, with bituminous solution are charged at 3 $\frac{3}{4}$ % gross extra.

5. Pieces, long screws, and barrel nipples in exact lengths are charged at 7 $\frac{1}{2}$ % gross extra.

6. Carriage on orders not amounting to £10 net value will be to buyer's account.

7. Packages for fittings are not charged.

## CAST IRON RAINWATER AND SOIL GOODS (ENGLAND AND WALES)

### *Standard Price List*

The prices in this list apply to consignments of 3 cwt. and over, and are subject to the following terms:

Tonnage allowance. For delivery in one consignment, to one customer, at one address:

|            |     |                                |
|------------|-----|--------------------------------|
| 2 ton lots | 2½% | Ex-stock or direct from works. |
| 4     "    | 5%  | Ex-works direct only."     "   |
| 6     "    | 10% | Ex-works direct only."     "   |

Cash discount:

2½% monthly account.

Contract period:

Stock orders ..... 30 days.

Specified jobs ..... 30 days.

*The prices in this list are subject to a plusage of 70% to be added at foot of invoice.*

**Cast Iron Rainwater Pipes and Fittings**

| Item                           | Unit | Price |       |       |       |       |       |       |       |        |  |
|--------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
|                                |      | 1½"   | 2"    | 2½"   | 3"    | 3½"   | 4"    | 4½"   | 5"    | 6"     |  |
| 6' lengths                     | Yd.  | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d. | s. d.  |  |
| 4'                             | Each | 2 2   | 2 8   | 4 0½  | 3 1½  | 3 6½  | 4 1½  | 4 7½  | 5 4½  | 6 10½  |  |
| 3'                             | "    | 2 2½  | 3 10½ | 3 0½  | 4 6   | 5 0½  | 5 9½  | 6 7   | 7 7   | 9 7½   |  |
| 2'                             | "    | 2 5   | 2 11  | 3 0½  | 3 4½  | 3 9½  | 4 4½  | 5 8½  | 6 7½  | 7 9½   |  |
|                                | "    | 1 7½  | 1 11½ | 2 0½  | 2 3   | 2 6½  | 3 3½  | 3 9½  | 4 9½  | 4 9½   |  |
| Heads, flat or angle           | Each | 1 10½ | 1 10½ | 2 1½  | 2 6   | 3 0½  | 3 4½  | 4 9   | 6 0½  | 7 6½   |  |
| Shoes, ordinary                | "    | 1 1½  | 1 1½  | 1 3½  | 1 6   | 2 0   | 2 3   | 3 3   | 4 0½  | 5 7½   |  |
| " side ears                    | "    | 1 11½ | 1 11½ | 2 1½  | 2 3½  | 2 9½  | 3 0½  | 4 2½  | 5 0   | 6 6½   |  |
| " anti-splash                  | "    | 2 4½  | 2 4½  | 2 8½  | 3 5½  | 4 5½  | 5 10½ | —     | —     | —      |  |
| Boots, 12" overall             | "    | 1 7½  | 1 7½  | 1 9½  | 2 1½  | 2 5½  | 3 0   | 4 2½  | 4 10½ | 6 7½   |  |
| " 15"                          | "    | 1 8½  | 1 8½  | 1 11½ | 2 3   | 2 6½  | 3 2½  | 4 8½  | 5 7½  | 7 4½   |  |
| " 18" or 20" overall           | "    | 1 10½ | 1 10½ | 2 1½  | 2 6½  | 2 11½ | 3 6   | 4 8½  | 5 7½  | 7 4½   |  |
| Bends, square or obtuse        | Each | 1 3½  | 1 3½  | 1 6   | 1 10½ | 2 3   | 2 8½  | 3 9   | 4 10½ | 6 3½   |  |
| Bends with door                | "    | —     | —     | —     | 3 10½ | 4 2½  | 4 8½  | 5 9½  | 7 0   | 8 9    |  |
| Branches, single               | "    | 1 9   | 1 11½ | —     | 2 9½  | 3 3   | 3 11½ | 5 7½  | 6 3½  | 9 9½   |  |
| " double                       | "    | 2 9½  | 2 9½  | 3 6   | 4 2½  | 4 10½ | 5 11½ | 8 5½  | 9 5½  | 14 8½  |  |
| Socket, loose                  | "    | 0 8½  | 0 8½  | 0 9½  | 1 0½  | 1 3½  | 1 6   | 1 10½ | 2 4½  | 2 9½   |  |
| Diminishing pieces (large end) | "    | —     | 1 3½  | 1 6   | 1 10½ | 2 3   | 2 8½  | 3 9   | 4 10½ | 6 3½   |  |
| Offsets, 3" projection         | Each | 1 5½  | 1 5½  | 1 6   | 1 10½ | 2 3½  | 2 9½  | 3 6   | 4 6½  | 6 3½   |  |
| " 4" and 6" projection         | "    | 1 7½  | 1 7½  | 2 0   | 2 9½  | 2 3   | 3 3   | 4 4   | 5 7½  | 7 4½   |  |
| " 9" projection                | "    | 2 1½  | 2 4½  | 2 11½ | 3 4½  | 3 6   | 4 2½  | 5 7½  | 6 7½  | 8 4½   |  |
| " 12"                          | "    | 2 6½  | 2 6½  | 2 11½ | 3 11½ | 4 2½  | 4 10½ | 6 3½  | 7 8½  | 10 1½  |  |
| " 15"                          | "    | —     | 3 2½  | 3 6   | 3 11½ | 4 10½ | 5 11½ | 7 3½  | 9 1½  | 11 10½ |  |

**Cast Iron Rainwater Pipes and Fittings**

| Item                                  | Unit | Price |       |       |       |       |        |       |       |        |       |
|---------------------------------------|------|-------|-------|-------|-------|-------|--------|-------|-------|--------|-------|
|                                       |      | 1½"   | 2"    | 2½"   | 3"    | 3½"   | 4"     | 4½"   | 5"    | 6"     |       |
| Offsets 18" projection .....          | Each | s. d. | s. d. | s. d. | s. d. | s. d. | s. d.  | s. d. | s. d. | s. d.  | s. d. |
| " 21" .....                           | "    | —     | 3 6   | 3 11½ | 4 8½  | 5 7½  | 6 7½   | 8 5½  | 10 6  | 13 3½  | s. d. |
| " 24" .....                           | "    | —     | 4 2½  | 4 6½  | 5 3   | 6 3½  | 7 8½   | 11 2½ | 13 3½ | 16 1½  | —     |
| " 27" .....                           | "    | —     | 4 10½ | 5 7½  | 6 0½  | 7 4½  | 9 1½   | 12 7½ | 14 8½ | 17 10½ | —     |
| " 30" .....                           | "    | —     | 6 3½  | 7 0   | 7 8½  | 9 1½  | 11 10½ | —     | —     | —      | —     |
| Ornamental loose ears, common pattern | Each | 1 6   | 1 6   | 1 7½  | 1 9   | 2 0   | 2 1½   | 2 3½  | 2 6½  | 2 9½   | —     |
| Ornamental projection ear, type "A"   | "    | 1 8½  | 1 8½  | 1 9½  | 1 11½ | 2 2½  | 2 3½   | 2 6   | 2 9   | 3 0    | —     |
| Ornamental projection ear, type "E"   | "    | 3 0½  | 3 0½  | 3 0½  | 3 1½  | 3 2½  | 3 3½   | 3 5½  | 3 6½  | 3 9    | —     |

| Item                           | Unit | Price |       |       |       |
|--------------------------------|------|-------|-------|-------|-------|
|                                |      | 2"    | 2½"   | 3"    | 3½"   |
| <b>LARGE SOCKET R.W. PIPES</b> |      | s. d. | s. d. | s. d. | s. d. |
| 6' lengths .....               | Yd.  | 2 11½ | 3 1   | 3 5   | 3 10  |
| 4" .....                       | Each | 4 5½  | 4 7½  | 5 1   | 5 7½  |
| 3" .....                       | "    | 3 6   | 3 7½  | 3 11½ | 4 4   |
| 2" .....                       | "    | 2 5½  | 2 7½  | 2 10  | 3 1½  |
|                                |      |       |       |       | 4 4½  |
|                                |      |       |       |       | 6 4½  |
|                                |      |       |       |       | 4 11½ |
|                                |      |       |       |       | 3 5½  |

# CAST IRON SOIL PIPES AND FITTINGS. COATED OR UNCOATED

## Standard Price List

| Item   | Unit | Price |       |       |       |       |         |
|--|------|-------|-------|-------|-------|-------|---------|
|  |      | 2"    | 2½"   | 3"    | 3½"   | 4"    | 4" × ½" |
|  |      | s. d. | s. d. | s. d. | s. d. | s. d. | s. d.   |
| Medium soil pipes,   |      |       |       |       |       |       |         |
| 6' lengths ..... 1½"   | Yd.  | 3 1½  | 3 4   | 3 8½  | 4 2½  | 4 9½  | —       |
| 4' " " " " " " " "   | Each | 4 6½  | 4 9½  | 5 3½  | 5 11  | 6 8½  | —       |
| 3' " " " " " " " "   | "    | 3 4½  | 3 7   | 3 11½ | 4 5½  | 5 0½  | —       |
| 2' " " " " " " " "   | "    | 2 3½  | 2 4½  | 2 7½  | 2 11½ | 3 4½  | —       |
| Heavy soil pipes, 1½"  |      |       |       |       |       |       |         |
| 6' lengths ..... 1½"   | Yd.  | 3 3½  | 3 11½ | 4 2½  | 4 3½  | 4 10  | 6 1½    |
| 4' " " " " " " " "   | Each | 4 8½  | 5 7   | 5 11½ | 6 1   | 6 9   | 8 5½    |
| 3' " " " " " " " "   | "    | 3 6½  | 4 2½  | 4 5½  | 4 6½  | 5 1   | 6 4½    |
| 2' " " " " " " " "   | "    | 2 4½  | 2 9½  | 3 0   | 3 0½  | 3 5   | 4 3     |
| Bends, 1½" and 1½"   | Each | 2 3½  | 2 6½  | 2 9½  | 3 6   | 3 11½ | 4 8½    |
| Bends with oval door   | "    | 7 6½  | 7 9½  | 8 0½  | 9 1½  | 9 6½  | 10 7½   |
| Soil shoes, 1½" and 1½"  | "    | 1 7½  | 1 10½ | 2 1½  | 2 9½  | 3 3   | 4 2½    |
| Soil shoes, anti-splash  | "    | 3 3   | 3 9   | 4 2½  | 5 7½  | 7 0   | 8 5½    |
| Single or inverted branches                                    | "    | 2 9½  | 3 6   | 4 2½  | 4 10½ | 5 7½  | 7 0     |
| Single branches with oval door                                 | "    | 8 0½  | 8 9   | 9 5½  | 10 6  | 11 3  | 12 11½  |
| Anti-siphon branches, curved arm                               | "    | 3 7½  | 4 5½  | 5 1½  | 5 11½ | 6 8½  | 8 3½    |
| Double branches, 3 sockets                                     | "    | 4 5½  | 5 3   | 5 11½ | 6 9   | 7 8½  | 9 6½    |
| Handhole pipes, oval door, 2 g.m. screws up to 18" overall     | "    | 7 8½  | 8 0½  | 8 9   | 9 9½  | 10 6  | 11 2½   |
| Loose sockets  | "    | 1 3½  | 1 4½  | 1 7½  | 2 0   | 2 3½  | 3 0     |
| Diminishing pieces (large end)                                 | "    | 2 2½  | 2 3½  | 2 8½  | 3 3   | 3 10½ | 4 8½    |
| Holderbats 2½" projection (2-½" brass bolts and nuts) type "E" | "    | 2 3½  | 2 3½  | 2 4½  | 2 6   | 2 6½  | 2 6½    |
| Ornamental projecting ear, type "E", 2½" projection            | "    | 3 2½  | 3 2½  | 3 4½  | 3 5½  | 3 6   | 3 6     |
| Ornamental loose ears, common pattern                          | "    | 1 6   | 1 7½  | 1 9   | 2 0   | 2 1½  | 2 3     |
| Swan necks, 1½" and 1½"  |      |       |       |       |       |       |         |
| 3" projection  | Each | 2 1½  | 2 6½  | 3 1½  | 3 9   | 4 5½  | 6 0½    |
| 4½" and 6" projection  | "    | 2 9½  | 3 3   | 4 5½  | 5 1½  | 5 11½ | 7 4½    |
| 9" projection  | "    | 3 9   | 4 2½  | 5 1½  | 5 11½ | 7 0   | 8 7½    |

**Cast Iron Soil Pipes and Fittings**

| Item   | Unit | Price |    |     |     |    |     |     |     |    |     |         |     |
|--|------|-------|----|-----|-----|----|-----|-----|-----|----|-----|---------|-----|
|  |      | 2"    |    | 2½" |     | 3" |     | 3½" |     | 4" |     | 4" × ½" |     |
|  |      | s.    | d. | s.  | d.  | s. | d.  | s.  | d.  | s. | d.  | s.      | d.  |
| Swan necks, 1½" and 1½"                                |      |       |    |     |     |    |     |     |     |    |     |         |     |
| 12" projection. . . .                                  | Each | 4     | 5½ | 5   | 11½ | 5  | 11½ | 7   | 3   | 7  | 11½ | 9       | 11½ |
| 15" " . . . .  | "    | 5     | 7½ | 5   | 11½ | 6  | 8½  | 7   | 8½  | 9  | 11½ | 11      | 2½  |
| 18" " . . . .  | "    | 6     | 8½ | 7   | 0   | 7  | 8½  | 9   | 1½  | 10 | 6   | 13      | 3   |
| 21" " . . . .  | "    | 7     | 8½ | 8   | 0½  | 9  | 1½  | 10  | 6   | 11 | 10½ | 15      | 4½  |
| 24" " . . . .  | "    | 9     | 1½ | 9   | 6   | 10 | 6   | 11  | 10½ | 13 | 3½  | 18      | 10½ |
| General extra to any fitting. Oval access door . . . . | "    | 5     | 3  | 5   | 3   | 5  | 3   | 5   | 7½  | 5  | 7½  | 5       | 11½ |
|  | Unit | 2"    |    | 2½" |     | 3" |     | 3½" |     | 4" |     |         |     |
|  |      | s.    | d. | s.  | d.  | s. | d.  | s.  | d.  | s. | d.  | s.      | d.  |
| <b>LARGE SOCKET R.W. FITTINGS</b>                      |      |       |    |     |     |    |     |     |     |    |     |         |     |
| L.S.R.W. bends . . . . .                               | Each | 1     | 9½ | 2   | 0   | 2  | 3½  | 2   | 9½  | 3  | 3   |         |     |
| L.S.R.W. offsets:                                      |      |       |    |     |     |    |     |     |     |    |     |         |     |
| 3" projection . . . . .                                | "    | 1     | 9½ | 2   | 0   | 2  | 3½  | 2   | 9½  | 3  | 3   |         |     |
| 4½" and 6" projection . . .                            | "    | 2     | 3  | 2   | 5½  | 2  | 8½  | 3   | 0   | 3  | 10½ |         |     |
| 9" projection . . . . .                                | "    | 2     | 7½ | 2   | 9½  | 3  | 3   | 3   | 11½ | 4  | 10½ |         |     |
| 12" " . . . . .  | "    | 3     | 0  | 3   | 4½  | 3  | 11½ | 4   | 10½ | 5  | 7½  |         |     |
| 15" " . . . . .  | "    | —     | —  | —   | —   | —  | —   | —   | —   | 6  | 10½ |         |     |
| L.S.R.W. branches, single..                            | "    | 2     | 5½ | 2   | 9   | 3  | 3   | 3   | 9   | 4  | 10½ |         |     |

**Cast Iron Rainwater and Soil Goods**

| Item   | Unit | Price  |         |          |          |          |          |          |           |          |           |          |          |       |  |
|--|------|--------|---------|----------|----------|----------|----------|----------|-----------|----------|-----------|----------|----------|-------|--|
|  |      | 6"     | 9"      | 12"      | 15"      | 18"      | 21"      | 24"      | 27"       | 30"      | 33"       | 36"      |          |       |  |
| <b>P. AND S. SANITARY JUNCTIONS. COATED OR UNCOATED.</b>                     |      | s. d.  | s. d.   | s. d.    | s. d.    | s. d.    | s. d.    | s. d.    | s. d.     | s. d.    | s. d.     | s. d.    | s. d.    | s. d. |  |
| <b>L.S.R.W., 3/8" AND 1/2"</b>   |      |        |         |          |          |          |          |          |           |          |           |          |          |       |  |
| <b>L.S.R.W.:</b>   |      |        |         |          |          |          |          |          |           |          |           |          |          |       |  |
| Each   | 7    | 1 1/4  | 8 0 1/2 | 8 9 1/2  | 9 6 1/2  | 11 5 1/2 | 13 3 1/2 | 14 0 1/2 | 15 9      | 17 7 1/2 | 19 10 1/2 | 21 4 1/2 |          |       |  |
| "  | 7    | 8 1/4  | 8 9 1/2 | 9 6 1/2  | 10 3 1/2 | 12 2 1/2 | 14 0 1/2 | 14 9 1/2 | 16 6      | 18 4 1/2 | 20 7 1/2  | 22 1 1/2 |          |       |  |
| "  | 7    | 10 1/4 | 9 0     | 9 10     | 10 6     | 12 4 1/2 | 14 3     | 15 0     | 16 10 1/2 | 18 9     | 21 0      | 22 6     |          |       |  |
| "  | 8    | 5 1/4  | 9 9     | 10 6     | 11 3     | 13 1 1/2 | 15 0     | 15 9     | 17 7 1/2  | 19 6     | 22 1 1/2  | 23 7 1/2 |          |       |  |
| <b>SHORT SOIL PIPES 3/8" AND 1/2", WITH 5/8" SOCKETS TO TAKE EARTHENWARE</b> | Unit | 6"     | 9"      | 12"      | 15"      | 18"      | 21"      | 24"      | 27"       | 30"      | 33"       | 36"      | 24" long |       |  |
|  |      | s. d.  | s. d.   | s. d.    | s. d.    | s. d.    | s. d.    | s. d.    | s. d.     | s. d.    | s. d.     | s. d.    | s. d.    | s. d. |  |
| Each   | 2    | 9 1/2  | 3 2 1/2 | 3 6 1/2  | 3 6 1/2  | 3 11 1/2 | 3 11 1/2 | 4 3 1/2  | 4 6       | 5 3      | 5 7 1/2   | 6 0      |          |       |  |
| "  | 3    | 2 1/4  | 3 6 1/2 | 3 11 1/2 | 3 6 1/2  | 3 11 1/2 | 4 3 1/2  | 4 10 1/2 | 4 6       | 5 3      | 5 7 1/2   | 6 4 1/2  |          |       |  |

Anti-syphon branch cast on: 3 1/2", 2 1/2"; 4", 2s. 1 1/2d. extra.  
 Long soil bends 1 1/2" and 1 3/4", 3 1/2" x 17", 7s. 1 1/2d.; 4" x 17", 7s. 6d.



*Cast Iron Rainwater and Soil Goods***SQUARE SOIL BENDS  $\frac{3}{8}$ " AND  $\frac{1}{2}$ "<sup>3</sup>, WITH  $5\frac{1}{2}$ " SOCKETS TO TAKE EARTHENWARE**

| Item                   | Unit | Price                              |                      |                                    |                                    |                                    |
|------------------------|------|------------------------------------|----------------------|------------------------------------|------------------------------------|------------------------------------|
|                        |      | 12" × 12"                          | 14" × 14"            | 15" × 15"                          | 16" × 14"                          | 16" × 16"                          |
| $3\frac{1}{2}$ " ..... | Each | <i>s. d.</i><br>9 0                | <i>s. d.</i><br>10 6 | <i>s. d.</i><br>11 9 $\frac{1}{2}$ | <i>s. d.</i><br>12 6 $\frac{1}{2}$ | <i>s. d.</i><br>12 6 $\frac{1}{2}$ |
| $4\frac{1}{2}$ " ..... | "    | 9 9                                | 11 3                 | 12 6 $\frac{1}{2}$                 | 13 3 $\frac{1}{2}$                 | 13 3 $\frac{1}{2}$                 |
|                        |      | 17" × 17"                          | 18" × 18"            | 20" × 20"                          | 21" × 21"                          | 24" × 24"                          |
| $3\frac{1}{2}$ " ..... | "    | <i>s. d.</i><br>13 3 $\frac{1}{2}$ | <i>s. d.</i><br>14 3 | <i>s. d.</i><br>15 9               | <i>s. d.</i><br>16 6               | <i>s. d.</i><br>18 9               |
| $4\frac{1}{2}$ " ..... | "    | 14 0 $\frac{1}{2}$                 | 15 0                 | 16 6                               | 17 3                               | 19 6                               |

**RECTANGULAR R.W. PIPES AND FITTINGS. PAINTED OR UNPAINTED**

| Item                     | Unit | Price               |                        |                      |                                       |                     |                      |                     |  |
|--------------------------|------|---------------------|------------------------|----------------------|---------------------------------------|---------------------|----------------------|---------------------|--|
|                          |      | 3" × 2"             | 3" × 2 $\frac{1}{2}$ " | 3" × 3"              | 3 $\frac{1}{2}$ " × 2 $\frac{1}{2}$ " | 4" × 3"             | 4" × 4"              | 5" × 4"             |  |
| 6' lengths ..            | Yd.  | <i>s. d.</i><br>5 3 | <i>s. d.</i><br>5 9    | <i>s. d.</i><br>5 10 | <i>s. d.</i><br>6 0                   | <i>s. d.</i><br>6 4 | <i>s. d.</i><br>7 10 | <i>s. d.</i><br>9 0 |  |
| 4' " ..                  | Each | 7 6 $\frac{1}{2}$   | 8 2 $\frac{1}{2}$      | 8 4                  | 8 6 $\frac{1}{2}$                     | 9 0                 | 11 2 $\frac{1}{2}$   | 12 9 $\frac{1}{2}$  |  |
| 3' " ..                  | "    | 5 8                 | 6 2                    | 6 3                  | 6 5                                   | 6 9                 | 8 5                  | 9 7                 |  |
| 2' " ..                  | "    | 3 9 $\frac{1}{2}$   | 4 1 $\frac{1}{2}$      | 4 2                  | 4 3 $\frac{1}{2}$                     | 4 6                 | 5 7 $\frac{1}{2}$    | 6 4 $\frac{1}{2}$   |  |
| Shoes or bends ...       | "    | 3 6                 | 3 6                    | 4 2 $\frac{1}{2}$    | 4 2 $\frac{1}{2}$                     | 4 3 $\frac{1}{2}$   | 5 7 $\frac{1}{2}$    | 7 0                 |  |
| Single branch pieces ... | "    | 5 7 $\frac{1}{2}$   | 5 7 $\frac{1}{2}$      | 6 3 $\frac{1}{2}$    | 6 3 $\frac{1}{2}$                     | 6 7 $\frac{1}{2}$   | 8 9                  | 10 6                |  |
| Front offsets:           |      |                     |                        |                      |                                       |                     |                      |                     |  |
| 3" proj.                 | "    | 4 2 $\frac{1}{2}$   | 4 2 $\frac{1}{2}$      | 4 10 $\frac{1}{2}$   | 4 10 $\frac{1}{2}$                    | 5 1 $\frac{1}{2}$   | 6 9                  | 8 5 $\frac{1}{2}$   |  |
| 6" "                     | "    | 4 10 $\frac{1}{2}$  | 4 10 $\frac{1}{2}$     | 5 7 $\frac{1}{2}$    | 5 7 $\frac{1}{2}$                     | 5 9                 | 7 3 $\frac{1}{2}$    | 9 1 $\frac{1}{2}$   |  |
| 9" "                     | "    | 5 11 $\frac{1}{2}$  | 5 11 $\frac{1}{2}$     | 7 0                  | 7 0                                   | 7 3                 | 9 1 $\frac{1}{2}$    | 11 6 $\frac{1}{2}$  |  |
| 12" "                    | "    | 7 0                 | 7 0                    | 8 2 $\frac{1}{2}$    | 8 2 $\frac{1}{2}$                     | 8 7 $\frac{1}{2}$   | 11 2 $\frac{1}{2}$   | 14 0                |  |

### Cast Iron Rainwater and Soil Goods

#### H.R. GUTTERS AND FITTINGS. PAINTED OR UNPAINTED

| Item  | Unit | Price        |              |              |              |              |              |
|---|------|--------------|--------------|--------------|--------------|--------------|--------------|
|   |      | 3"           | 3½"          | 4"           | 4½"          | 5"           | 6"           |
|   |      | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| H.R. gutters, plain:  |      |              |              |              |              |              |              |
| 6' lengths .....  | Yd.  | 1 3½         | 1 5          | 1 5½         | 1 8          | 1 10         | 3 0          |
| 4' " .....  | Each | 1 11½        | 2 1½         | 2 2          | 2 5½         | 2 9½         | 4 4          |
| 3' " .....  | "    | 1 5½         | 1 7          | 1 7½         | 1 10         | 2 1          | 3 3          |
| 2' " .....  | "    | 1 0          | 1 0½         | 1 1          | 1 2½         | 1 4½         | 2 2          |
| H.R. gutters, beaded:   |      |              |              |              |              |              |              |
| 6' lengths .....  | Yd.  | 1 5½         | 1 7          | 1 7½         | 1 9½         | 2 0½         | 3 3          |
| 4' " .....  | Each | 2 2½         | 2 4          | 2 4½         | 2 7½         | 3 0½         | 4 8          |
| 3' " .....  | "    | 1 7½         | 1 9          | 1 9½         | 1 11½        | 2 3½         | 3 6          |
| 2' " .....  | "    | 1 1½         | 1 2          | 1 2½         | 1 3½         | 1 6½         | 2 4          |
| Angles 90°, 120°,<br>135°, 145°, 150°,<br>plain ..                              | "    | 1 0½         | 1 2½         | 1 3½         | 1 6          | 1 7½         | 2 3½         |
| Ditto, beaded ..  | "    | 1 2½         | 1 3½         | 1 5½         | 1 7½         | 1 10½        | 2 6½         |
| Angles with tails,<br>not exceeding 2½"<br>inside measure-<br>ment, plain ..... | "    | —            | —            | 0 11½        | 1 1½         | 1 3½         | —            |

Angles to special degree:

For quantities of same degree up to and including 25—Three times price for standard degree.

For quantities of 26-50—Twice price for standard degree.

For quantities of 51 and upwards—Same price as standard degree.

| Item   | Unit | Price        |              |              |              |              |              |
|--|------|--------------|--------------|--------------|--------------|--------------|--------------|
|  |      | 3"           | 3½"          | 4"           | 4½"          | 5"           | 6"           |
|  |      | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| Nozzles, plain .....                                   | Each | 1 0½         | 1 2½         | 1 3½         | 1 6          | 1 7½         | 2 3½         |
| " beaded.....  | "    | 1 2½         | 1 3½         | 1 5½         | 1 7½         | 1 10½        | 2 6½         |
| " length not<br>exceeding 8" over-<br>all, plain ..... | "    | —            | —            | 0 11½        | 1 1½         | 1 3½         | —            |
| Stop ends .....  | "    | 0 3½         | 0 3½         | 0 5½         | 0 6½         | 0 7½         | 0 9          |
| Stop end nozzles and<br>union clips .....              | "    | 0 8½         | 0 9½         | 0 11½        | 1 1½         | 1 3½         | 1 7½         |
| H.R. drops loose...                                    | "    | 0 3½         | 0 3½         | 0 3½         | 0 4½         | 0 6          | 0 6½         |
| Light fascia brackets,<br>cast .....                   | "    | 0 3          | 0 3          | 0 3          | 0 3          | 0 3½         | 0 3½         |
| Heavy fascia brackets,<br>cast .....                   | "    | 0 4          | 0 4          | 0 4          | 0 4          | 0 4½         | 0 4½         |

**Cast Iron Rainwater and Soil Goods****O.G. GUTTERS AND FITTINGS.  
PAINTED OR UNPAINTED**

| Item  | Unit | Price      |             |             |             |            |            |
|---|------|------------|-------------|-------------|-------------|------------|------------|
|   |      | 3"         | 3½"         | 4"          | 4½"         | 5"         | 6"         |
| 6' lengths.....   | Yd.  | s. d. 1 8½ | s. d. 1 10½ | s. d. 1 10½ | s. d. 1 11½ | s. d. 2 5½ | s. d. 3 3½ |
| 4' ..   | Each | 2 5½       | 2 8½        | 2 8½        | 2 10½       | 3 7        | 4 8½       |
| 3' ..   | "    | 1 10½      | 2 0½        | 2 0½        | 2 1½        | 2 8½       | 3 6½       |
| 2' ..   | "    | 1 3        | 1 4½        | 1 4½        | 1 5½        | 1 9½       | 2 4½       |
| Angles 90°, 120°,<br>135°, 145°, 150° ..                | "    | 1 5½       | 1 5½        | 1 6         | 1 9         | 2 0        | 2 5½       |
| Angles, tails not exceeding 2½" inside measurement .... | "    | —          | —           | 1 1½        | 1 3½        | 1 6        | —          |

Angles to special degree:

For quantities of same degree up to and including 25—Three times price for standard degree.

For quantities of 26–50—Twice price for standard degree.

For quantities of 51 and upwards—Same price as standard degree.

| Item                                     | Unit | Price      |            |           |           |           |            |
|--|------|------------|------------|-----------|-----------|-----------|------------|
|  |      | 3"         | 3½"        | 4"        | 4½"       | 5"        | 6"         |
| Nozzles .....                            | Each | s. d. 1 5½ | s. d. 1 5½ | s. d. 1 6 | s. d. 1 9 | s. d. 2 0 | s. d. 2 5½ |
| Nozzles, length not exceeding 8" overall | "    | —          | —          | 1 1½      | 1 3½      | 1 6       | —          |
| Stop ends .....                          | "    | 0 4½       | 0 5½       | 0 6½      | 0 7½      | 0 9       | 0 11½      |
| Stop end nozzles and union clips .....   | "    | 1 0½       | 1 0½       | 1 1½      | 1 3½      | 1 6       | 1 10½      |
| Drops, loose .....                       | "    | 0 3½       | 0 3½       | 0 3½      | 0 4½      | 0 6       | 0 6½       |
| Light fascia brackets, cast .....        | "    | 0 5½       | 0 5½       | 0 5½      | 0 5½      | 0 7       | 0 7        |
| Heavy fascia brackets, cast .....        | "    | 0 6½       | 0 6½       | 0 6½      | 0 6½      | 0 8       | 0 8        |

**MOULDED GUTTERS (ORDINARY SECTIONS).  
PAINTED OR UNPAINTED**

| Item          | Unit | Price     |           |            |           |               |           |            |
|---------------|------|-----------|-----------|------------|-----------|---------------|-----------|------------|
|               |      | 3½" × 2"  | 4" × 3"   | 4½" × 3"   | 5" × 4"   | 5" × 4" × 1½" | 6" × 4"   | 6" × 4½"   |
| 6' lengths .. | Yd.  | s. d. 3 1 | s. d. 3 4 | s. d. 3 10 | s. d. 4 5 | s. d. 5 5     | s. d. 5 5 | s. d. 5 10 |

**Cast Iron Rainwater and Soil Goods**  
**O.G. Gutters and Fittings. Painted or Unpainted**

**BOX GUTTERS. PAINTED OR UNPAINTED**

| Item                 | Unit | Price        |               |              |               |                 |
|----------------------|------|--------------|---------------|--------------|---------------|-----------------|
|                      |      | 4" x 4"      | 5" x 4"       | 5" x 4½"     | 6" x 4"       | 8" x 6"<br>x ½" |
| 6' lengths . . . . . | Yd.  | s. d.<br>4 3 | s. d.<br>4 10 | s. d.<br>5 1 | s. d.<br>5 10 | s. d.<br>9 6    |

Short lengths up to 2' equal to 1 yd.

„ „ above 2' and up to 4' equal to 1½ yds.

„ „ above 4' and up to 6' equal to 2 yds.

Connections:

Angles and nozzles equal 1 yd. Clips and stop ends equal ½ yd.

Nozzle stop ends equal ¾ yd. Return ends equal ½ yd.





## Malleable Tubes and Fittings

## RETURN BENDS

| Item                            | Unit       | Diameter             |                     |                      |                     |                       |                     |                     |                       |                       |                       |                       |
|---------------------------------|------------|----------------------|---------------------|----------------------|---------------------|-----------------------|---------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                                 |            | ¾"                   | 1"                  | 1 ¼"                 | 1 ½"                | 1 ¾"                  | 2"                  | 2 ½"                | 3"                    | 3 ½"                  | 4"                    |                       |
| Open pattern (beaded) . . . . . | C-C<br>No. | s. d.<br>1 ¼<br>1 4½ | s. d.<br>2 ½<br>3 0 | s. d.<br>2 1¼<br>3 0 | s. d.<br>4 5<br>4 5 | s. d.<br>4 4½<br>4 4½ | s. d.<br>6 0<br>6 0 | s. d.<br>9 0<br>9 0 | s. d.<br>14 0<br>14 0 | s. d.<br>17 0<br>17 0 | s. d.<br>24 0<br>24 0 | s. d.<br>47 6<br>47 6 |
| Close pattern (plain) . . . . . | C-C<br>No. | 1" 0                 | 1 1" 7½             | 1 1" 7½              | —                   | 1 ½" 3 4½             | 2 1" 4 8½           | 2 ½" 6 8½           | —                     | —                     | —                     | —                     |
| Back outlet (beaded) . . . . .  | C-C<br>No. | 1 ½" 1 11            | 2" 2 11             | 2 ½" 4 2             | —                   | 3" 5 10               | 3 ½" 8 0            | 4" 13 6             | —                     | —                     | —                     | —                     |
| Side outlet (beaded) . . . . .  | C-C<br>No. | —                    | 2 ½" 3 3            | 3 ½" 4 6             | —                   | 3 ¾" 7 0              | 4" 9 6              | 4 ½" 15 6           | —                     | —                     | —                     | —                     |

Wood Screws

BRIGHT IRON WOOD SCREWS, WITH COUNTERSUNK HEADS

| Item   | Unit  | Number  |         |          |         |         |         |          |          |          |          |          |          |          |          |          |          |          |          |          |
|--------|-------|---------|---------|----------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|        |       | 1-4     | 5       | 6        | 7       | 8       | 9       | 10       | 11       | 12       | 14       | 16       | 18       | 20       | 22       | 24       |          |          |          |          |
| 1/4"   | Gross | s. d.   | s. d.   | s. d.    | s. d.   | s. d.   | s. d.   | s. d.    | s. d.    | s. d.    | s. d.    | s. d.    | s. d.    | s. d.    | s. d.    | s. d.    | s. d.    | s. d.    |          |          |
| 1/2"   | "     | 0 8 1/2 | 0 9     | 0 9 1/2  | 0 11    | 1 0     | 1 1     | 1 1 1/2  | 1 2 1/2  | 1 3 1/2  | 1 4 1/2  | 1 5 1/2  | 1 6 1/2  | 1 7 1/2  | 1 8 1/2  | 1 9 1/2  | 1 10 1/2 | 1 11 1/2 | 1 12 1/2 |          |
| 3/4"   | "     | 0 8 1/2 | 0 9     | 0 9 1/2  | 0 11    | 1 0     | 1 1     | 1 1 1/2  | 1 2 1/2  | 1 3 1/2  | 1 4 1/2  | 1 5 1/2  | 1 6 1/2  | 1 7 1/2  | 1 8 1/2  | 1 9 1/2  | 1 10 1/2 | 1 11 1/2 | 1 12 1/2 |          |
| 1"     | "     | 0 10    | 0 11    | 0 11 1/2 | 1 0     | 1 1     | 1 1 1/2 | 1 2 1/2  | 1 3 1/2  | 1 4 1/2  | 1 5 1/2  | 1 6 1/2  | 1 7 1/2  | 1 8 1/2  | 1 9 1/2  | 1 10 1/2 | 1 11 1/2 | 1 12 1/2 | 1 14 1/2 |          |
| 1 1/4" | "     | 1 0 1/2 | 1 1     | 1 1 1/2  | 1 1 1/2 | 1 2 1/2 | 1 3 1/2 | 1 4 1/2  | 1 5 1/2  | 1 6 1/2  | 1 7 1/2  | 1 8 1/2  | 1 9 1/2  | 1 10 1/2 | 1 11 1/2 | 1 12 1/2 | 1 14 1/2 | 1 16 1/2 | 1 18 1/2 | 1 20 1/2 |
| 1 1/2" | "     | 1 3 1/2 | 1 3 1/2 | 1 4 1/2  | 1 5 1/2 | 1 6 1/2 | 1 7 1/2 | 1 8 1/2  | 1 9 1/2  | 1 10 1/2 | 1 11 1/2 | 1 12 1/2 | 1 14 1/2 | 1 16 1/2 | 1 18 1/2 | 1 20 1/2 | 1 22 1/2 | 1 24 1/2 | 1 26 1/2 | 1 28 1/2 |
| 2"     | "     | 1 6     | 1 6     | 1 6 1/2  | 1 7 1/2 | 1 8 1/2 | 1 9 1/2 | 1 10 1/2 | 1 11 1/2 | 1 12 1/2 | 1 14 1/2 | 1 16 1/2 | 1 18 1/2 | 1 20 1/2 | 1 22 1/2 | 1 24 1/2 | 1 26 1/2 | 1 28 1/2 | 1 30 1/2 | 1 32 1/2 |
| 2 1/4" | "     | 2 0     | 2 0     | 2 0 1/2  | 2 1     | 2 1 1/2 | 2 2 1/2 | 2 3 1/2  | 2 4 1/2  | 2 5 1/2  | 2 6 1/2  | 2 8 1/2  | 2 10 1/2 | 2 12 1/2 | 2 14 1/2 | 2 16 1/2 | 2 18 1/2 | 2 20 1/2 | 2 22 1/2 | 2 24 1/2 |
| 3"     | "     | 2 0     | 2 0     | 2 0 1/2  | 2 1     | 2 1 1/2 | 2 2 1/2 | 2 3 1/2  | 2 4 1/2  | 2 5 1/2  | 2 6 1/2  | 2 8 1/2  | 2 10 1/2 | 2 12 1/2 | 2 14 1/2 | 2 16 1/2 | 2 18 1/2 | 2 20 1/2 | 2 22 1/2 | 2 24 1/2 |
| 3 1/4" | "     | 2 0     | 2 0     | 2 0 1/2  | 2 1     | 2 1 1/2 | 2 2 1/2 | 2 3 1/2  | 2 4 1/2  | 2 5 1/2  | 2 6 1/2  | 2 8 1/2  | 2 10 1/2 | 2 12 1/2 | 2 14 1/2 | 2 16 1/2 | 2 18 1/2 | 2 20 1/2 | 2 22 1/2 | 2 24 1/2 |
| 4"     | "     | 2 0     | 2 0     | 2 0 1/2  | 2 1     | 2 1 1/2 | 2 2 1/2 | 2 3 1/2  | 2 4 1/2  | 2 5 1/2  | 2 6 1/2  | 2 8 1/2  | 2 10 1/2 | 2 12 1/2 | 2 14 1/2 | 2 16 1/2 | 2 18 1/2 | 2 20 1/2 | 2 22 1/2 | 2 24 1/2 |
| 5"     | "     | 2 0     | 2 0     | 2 0 1/2  | 2 1     | 2 1 1/2 | 2 2 1/2 | 2 3 1/2  | 2 4 1/2  | 2 5 1/2  | 2 6 1/2  | 2 8 1/2  | 2 10 1/2 | 2 12 1/2 | 2 14 1/2 | 2 16 1/2 | 2 18 1/2 | 2 20 1/2 | 2 22 1/2 | 2 24 1/2 |
| 6"     | "     | 2 0     | 2 0     | 2 0 1/2  | 2 1     | 2 1 1/2 | 2 2 1/2 | 2 3 1/2  | 2 4 1/2  | 2 5 1/2  | 2 6 1/2  | 2 8 1/2  | 2 10 1/2 | 2 12 1/2 | 2 14 1/2 | 2 16 1/2 | 2 18 1/2 | 2 20 1/2 | 2 22 1/2 | 2 24 1/2 |

Blacked countersunk screws 1/4" and 1" x 6 g. and 8 g. charged one size thicker.









## NATIONAL HEALTH, PENSIONS, AND UNEMPLOYMENT INSURANCES

The National Insurance Act, 1946, came into operation on 5th July, 1948, and the following tables show the cost to employers and employees:

| Description of employed person   | EMPLOYED PERSONS             |                     | EMPLOYERS                    |                     |
|--|------------------------------|---------------------|------------------------------|---------------------|
|  | Weekly rate of contribution  |                     | Weekly rate of contribution  |                     |
|  | Initial rate (to July, 1953) | Per-<br>manent rate | Initial rate (to July, 1953) | Per-<br>manent rate |
|  | <i>s. d.</i>                 | <i>s. d.</i>        | <i>s. d.</i>                 | <i>s. d.</i>        |
| Men between the ages of 18 and 70 (not including men over the age of 65 who have retired from regular employment):     |                              |                     |                              |                     |
| Earning remuneration at a weekly rate exceeding 30s. . .   | 4 11                         | 5 1                 | 4 2                          | 4 4                 |
| Earning remuneration at a weekly rate of 30s. or less . .  | 3 0                          | 3 1                 | 6 1                          | 6 4                 |
| Women between the ages of 18 and 65 (not including women over the age of 60 who have retired from regular employment): |                              |                     |                              |                     |
| Earning remuneration at a weekly rate exceeding 30s. . .   | 3 10                         | 4 0                 | 3 3                          | 3 5                 |
| Earning remuneration at a weekly rate of 30s. or less . .  | 2 5                          | 2 6                 | 4 8                          | 4 11                |
| Boys under the age of 18 . . . . .   | 2 10½                        | 2 11½               | 2 5½                         | 2 6½                |
| Girls under the age of 18 . . . . .  | 2 4                          | 2 5                 | 1 11                         | 2 0                 |

| Description of self-employed person   | SELF-EMPLOYED PERSONS        |               |
|---|------------------------------|---------------|
|   | Weekly rate of contribution  |               |
|   | Initial rate (to July, 1953) | Permaent rate |
|   | <i>s. d.</i>                 | <i>s. d.</i>  |
| Men between the ages of 18 and 70 (not including men over the age of 65 who have retired from regular employment) . . . . . | 6 2                          | 6 6           |
| Women between the ages of 18 and 65 (not including women over the age of 60 who have retired from regular employment) . .   | 5 1                          | 5 5           |
| Boys under the age of 18 . . . . .  | 3 7                          | 3 9           |
| Girls under the age of 18 . . . . .   | 3 1                          | 3 3           |

## STOP PRESS

(May 1949)

**Rates of Wages***Page 17*

Rates of Wages (Building Industry) increased on 7th February 1949 to:

|                                  | Craftsmen<br>Hourly rate | Labourers<br>Hourly rate |
|----------------------------------|--------------------------|--------------------------|
|                                  | <i>s. d.</i>             | <i>s. d.</i>             |
| LONDON DISTRICT                  |                          |                          |
| Within 12 miles radius . . . . . | 2 11½                    | 2 4½                     |
| From 12 to 15 miles radius .     | 2 11                     | 2 4                      |
| LIVERPOOL AND DISTRICT . . . .   | 2 11½                    | 2 4½                     |
| GRADE CLASSIFICATION             |                          |                          |
| A . . . . .                      | 2 10                     | 2 3½                     |
| A1 . . . . .                     | 2 9½                     | 2 3                      |
| A2 . . . . .                     | 2 9                      | 2 2½                     |
| A3 . . . . .                     | 2 8½                     | 2 2                      |

*Page 62*

Rates of Wages (Building Industry, Isle of Man) increased on 7th March 1949 to:

|                     | Hourly rate  |
|---------------------|--------------|
|                     | <i>s. d.</i> |
| Craftsmen . . . . . | 2 9          |
| Labourers . . . . . | 2 2½         |

*Page 63*

Rates of Wages (Building and Civil Engineering Industry Northern Ireland) increased by ½*d.* per hour, for craftsmen and labourers on 25th October, 1948, and by a further ½*d.* per hour for craftsmen and labourers commencing in the pay period 7th–12th February 1949.

*Pages 65, 66*

Rates of Wages (Building Industry, Scotland) increased on 1st February 1949 to:

|                                  | Hourly rate  |
|----------------------------------|--------------|
|                                  | <i>s. d.</i> |
| Craftsmen . . . . .              | 2 10         |
| Labourers . . . . .              | 2 3½         |
| Trainees—First 8 weeks . . . . . | 2 5          |
| Next 26 weeks . . . . .          | 2 6½         |
| Last 26 „ . . . . .              | 2 8½         |

**Rates of Wages**

|                                    | Weekly rate |           |
|------------------------------------|-------------|-----------|
|                                    | <i>s.</i>   | <i>d.</i> |
| <i>Apprentices</i> —1st year ..... | 31          | 2         |
| 2nd „ .....                        | 41          | 6½        |
| 3rd „ .....                        | 62          | 4         |
| 4th „ .....                        | 83          | 1½        |
| 5th „ .....                        | 93          | 6         |

*Page 67*

Rates of Wages (Civil Engineering Industry) increased for navvies and labourers on 7th February 1949 to:

|                          | Hourly rate |           |
|--------------------------|-------------|-----------|
|                          | <i>s.</i>   | <i>d.</i> |
| London Super Grade ..... | 2           | 4½        |
| Class 1 .....            | 2           | 3½        |
| „ 1A .....               | 2           | 3         |
| „ 2 .....                | 2           | 2½        |
| „ 2A .....               | 2           | 2         |

*Page 73*

Rates of Wages (Mastic Asphalte Industry) increased on 7th February 1949 to:

|                               | London Area |           | Provincial Area |
|-------------------------------|-------------|-----------|-----------------|
|                               | Hourly rate |           | Hourly rate     |
|                               | <i>s.</i>   | <i>d.</i> | <i>s.</i>       |
| <i>Layers:</i>                |             |           | <i>d.</i>       |
| Charge Hands .....            | 3           | 5½        | 3 4             |
| Spreaders .....               | 3           | 0½        | 2 11            |
| Mixermen .....                | 2           | 9         | 2 8             |
| Potmen .....                  | 2           | 8         | 2 7             |
| Manufacturing Labourers ..... | 2           | 5½        | 2 4½            |
| Classified Labourers .....    | 2           | 5         | 2 4             |

*Page 76*

Rates of Wages (Terrazzo Mosaic Industry) increased on 7th February 1949 to:

|                   | Polishers   |             |              |
|-------------------|-------------|-------------|--------------|
|                   | Layers      | Dry         | Wet and Hand |
|                   | Hourly rate | Hourly rate | Hourly rate  |
|                   | <i>s.</i>   | <i>s.</i>   | <i>s.</i>    |
|                   | <i>d.</i>   | <i>d.</i>   | <i>d.</i>    |
| London Area ..... | 3 0         | 2 10        | 2 9          |
| Provincial .....  | 2 10½       | 2 8½        | 2 7½         |

*Page 80*

Rates of Wages (Road Haulage Workers employed in the Building Industry) increased by 2*s.* per week on 7th February 1949.

**Market Prices of Materials***Page 107*

Price for Mild Steel Rods  $\frac{5}{8}$ " diameter and over increased on 4th April, 1949, to £21 2s. 3d. ton. Extras for smaller diameters remain the same.

*Page 128*

Timber Control Order (No. 47) Imported Hardwood prices) 18th July 1947 has been superseded by Imported Hardwood Prices Order, 1st April 1949 (Statutory Instruments 497/49) as amended by Imported Hardwood Prices (Amendment) Order, 9th May 1949 (Statutory Instruments 832/49).

Timber Control Order (No. 48) (Imported Plywood Prices) 29th July 1947 has been superseded by Plywood Prices Order, 30th March 1949 (Statutory Instruments 498/49).

*Page 162*

Basis price for Rolled Steel Joists increased on 4th April 1949 to £20 3s. 6d. ton.

*Page 166*

Prices for plasters to B.S.1191 Class A, B, and C, increased on 1st January 1949 by 10s. per ton.

Prices for Keenes Cement increased on 1st January, 1949 to:

|             | s.  | d. |     |
|-------------|-----|----|-----|
| Pink .....  | 161 | 9  | ton |
| White ..... | 166 | 9  | „   |

*Page 167*

Prices for Plasterboard increased on 1st January 1949 by  $\frac{1}{2}$ d. yd. super.

*Page 168*

Prices for sheet lead have altered as follows:

|                        | s.  | d. |      |
|------------------------|-----|----|------|
| 1st January 1949 ..... | 142 | 6  | cwt. |
| 4th April 1949 .....   | 124 | 6  | „    |
| 16th May 1949 .....    | 112 | 3  | „    |
| 10th June 1949 .....   | 99  | 0  | „    |

*Page 181*

Prices for lead pipe have altered as follows:

|                        | s.  | d. |      |
|------------------------|-----|----|------|
| 1st January 1949 ..... | 143 | 3  | cwt. |
| 4th April 1949 .....   | 125 | 3  | „    |
| 16th May 1949 .....    | 114 | 0  | „    |
| 10th June 1949 .....   | 100 | 3  | „    |

The following extras still apply:

|  |    |   |   |
|--|----|---|---|
| Soil pipe up to 4 $\frac{1}{2}$ " dia. ....      | 3  | 0 | „ |
| Lead alloy pipe to B.S. 603 .                    | 16 | 9 | „ |
| Silver, copper, lead alloy pipe to B.S.1085..... | 5  | 0 | „ |

**Market Prices of Materials****Page 183**

Prices for Copper Tubes decreased by 1½*d.* per lb. on 16th May 1949.

**Plant**

The following alterations in the rates of hire as detailed in "The Control of Rates of Hire of Plant Order, 1949" (Statutory Instruments 567/49) came into effect on 1st April 1949:

**Page 211**

| Concrete Mixers:    |                                | Per week            |
|---------------------|--------------------------------|---------------------|
| Petrol or electric: |                                | <i>s.</i> <i>d.</i> |
| 5/3½                | Open drum without hopper ..... | 56 0                |
| 7/5                 | " " " " .....                  | 65 0                |
| 7/5                 | " " with " " .....             | 97 0                |
| 7/5                 | Closed drum with hopper .....  | 110 0               |
| 10/7                | " " " " .....                  | 130 0               |
| 14/10               | " " " " .....                  | 150 0               |

Diesel: Add 15*s.* 0*d.* per week to the above rates.

**Page 214**

| Scrapers (Tractors not now included): |                  | Per hour            |
|---------------------------------------|------------------|---------------------|
|                                       |                  | <i>s.</i> <i>d.</i> |
| 4                                     | cubic yard ..... | 8 0                 |
| 6                                     | " .....          | 10 0                |
| 8                                     | " .....          | 10 6                |
| 12                                    | " .....          | 13 0                |

**Page 221**

| Rollers: |                                    | Per hour            |
|----------|------------------------------------|---------------------|
|          |                                    | <i>s.</i> <i>d.</i> |
| Diesel   | under 5 tons .....                 | 4 5                 |
| "        | 5 tons and over .....              | 5 9                 |
| Petrol   | under 5 tons .....                 | 3 9                 |
| "        | 5 tons and over .....              | 4 9                 |
| Steam    | 6-10 tons .....                    | 4 2                 |
| Extra    | for Scarifier (working time) ..... | 7 6                 |

|             |                   | Per day             |
|-------------|-------------------|---------------------|
|             |                   | <i>s.</i> <i>d.</i> |
| Living vans | and bedding ..... | 1 0                 |



## LABOURERS' WAGES

At a meeting of the Council of the National Federation of Building Trades Employers on 11th May 1949 it was decided that Labourers' Wage Rates were to be fixed at 5½*d.* per hour below the corresponding Craftsmen's rates instead of at 80% of the Craftsmen's rates as hitherto. The adjustments are to be made in three stages as in the table below. These increases will be made in addition to any general increase, caused by a rise in the cost of living index, which may take place in the meantime.

|                     | Rates as From |              |              |              |
|---------------------|---------------|--------------|--------------|--------------|
|                     | 7-2-49.       | 3-10-49.     | 6-2-50.      | 3-7-50.      |
|                     | <i>s. d.</i>  | <i>s. d.</i> | <i>s. d.</i> | <i>s. d.</i> |
| LONDON AREA:        |               |              |              |              |
| Within 12 miles..   | 2 4½          | 2 5          | 2 5½         | 2 6          |
| From 12 to 15 miles | 2 4           | 2 4½         | 2 5          | 2 5½         |
| LIVERPOOL DISTRICT  | 2 4½          | 2 5          | 2 5½         | 2 6          |
| Grade A .....       | 2 3¼          | 2 3½         | 2 4¼         | 2 4½         |
| Grade A1 .....      | 2 3           | 2 3½         | 2 4          | 2 4          |
| Grade A2 .....      | 2 2½          | 2 3          | 2 3½         | 2 3½         |
| Grade A3 .....      | 2 2           | 2 2½         | 2 3          | 2 3          |

## INDEX



# INDEX

\* *Market Prices.* † *Daywork.* ‡ *Measured Prices.*

## A

"ACCOTILE" flooring, 419  
 Acetylene flares, \*208  
 — handlamps, \*208  
 Acrow props, \*208  
 Agba flooring, ‡308  
 Aggregates, \*106  
 Airbricks, \*114, ‡257  
 Air compressors, \*210  
 Alabastine filler, \*203  
 Alloy scaffolding, \*221  
 Aluminium paint, \*201  
 — roof trusses, 420  
 Alibyn solder, \*198  
 Ancaster stone, \*125  
 Angle-dozers, \*209  
 Angles, steel, \*164, ‡343  
 Anti-frost additives, \*106  
 Apprentices, rates of wages, 17  
 Approximate quantities, 406  
 Arbitrations, fees, 450  
 Arches, brick, ‡260, 261  
 — —, centring, ‡304  
 Architects' expenses, 451  
 — fees, 426, 447  
 Architraves, hardwood, \*148, ‡326  
 —, softwood, \*142, ‡317  
 Artificial stone, \*125, ‡292  
 Asbestos-cement corrugated sheeting, \*127, ‡302  
 — flat sheeting, \*133, ‡307  
 — flue pipes, \*197, ‡385  
 — pressure pipes, \*205, ‡399  
 — rainwater goods, \*169, ‡358  
 — roofing, \*127, ‡302  
 — soil pipes, \*174, ‡360

Ashes, \*105, ‡245, 396  
 Ashlar, ‡290  
 Asphalte, daywork rates, ‡441  
 — industry, rates of wages, 73  
 —, limestone aggregate, ‡281  
 —, natural rock, ‡282  
 Association of Heating, Ventilating and Domestic Engineering Employers, address, 77  
 Augers, earth, \*216  
 Ayan flooring, ‡308

## B

BALES catch, \*161  
 Ballast, \*106  
 Balloon gratings, \*180, ‡361  
 Balusters, hardwood, \*150, ‡328  
 —, softwood, \*144, ‡320  
 —, steel, ‡344  
 Ball-valves, \*186, ‡369  
 Bar benders, \*208  
 —, crow, \*214  
 —, steel, \*162  
 —, wrought iron, \*165, ‡343  
 Barge boards, \*127, ‡302, ‡306  
 Barrel bolts, \*158, ‡335  
 Barrows, \*208  
 — slings, \*209  
 Basement excavation, ‡243, 244  
 Basins, lavatory, \*189, ‡372  
 Basket, rubbish, \*221  
 — slings, \*209

- \* *Market Prices.* † *Daywork.* ‡ *Measured Prices.*
- Basketting, †243  
 Baths, \*190, †373  
 Bath stone, \*125, †290  
 Battens, \*127, †301  
 Beads, glazing, hardwood,  
     \*148, †325  
 —, —, softwood, \*142, †316  
 Beam, concrete, †247  
 — filling, †255  
 Bearers, cistern, †383  
 —, hardwood, \*148, †326  
 —, softwood, \*142, †317  
 Bed, concrete, †268  
 Bedding frames, †255  
 Beech flooring, †308  
 Beeswax, \*202  
 Belt loaders, †429  
 Benches, 421  
 Benching, concrete, †268  
 Bib cocks, \*187, †370  
 Birch flooring, †308, †309  
 Birdsmouth, †255, †260  
 Bitumen damp-course, \*110,  
     †248, †255  
 — emulsion, \*204  
 — — paths, †398  
 — expansion joint, \*107,  
     †248  
 — felt roofing, †303  
 Blackboards, 421  
 Blawforms, \*222, †435  
 Block flooring, †308  
 Blue lead, \*198  
 — pressed bricks, \*109, †253  
 — — Staffordshire bricks,  
     †260  
 — wirecut bricks, \*109,  
     †253  
 Boarding, roof, †304  
 Boards, draining, wood,  
     \*196, †383  
 —, flooring, †308  
 —, window, hardwood,  
     \*147, †324  
 — —, softwood, \*141, †315  
 Boilers, domestic, \*193, †377  
 ·Boiler-screw, \*185, †369  
 Boilers, steam, hire, †429  
 —, wash, \*195, †380  
 Bolts, \*158, †335  
 —, gutter, \*180  
 —, rag, †345  
 —, screw, †343, †345  
 Bongossi flooring, †308  
 Book shelves, 421  
 Border, †395  
 Boring timber, †305, †316,  
     †325  
 Botticius marble, \*125, †293  
 Bottom dump buckets, \*209  
 Brackets, asbestos-cement,  
     \*171  
 —, cast-iron, sink, \*198  
 —, gutter, \*171, \*176, \*179  
 —, light alloy, \*176  
 —, shelf, \*161, †341  
 Brads, oval wire, \*153  
 Brass butts, \*154, †330  
 — gratings, standard price  
     list, 459  
 Brasswork, plumber's, \*185,  
     †369  
 Breakers, \*210  
 Breeze partition blocks,  
     \*112, †262  
 — —, approximate estimat-  
     ing, 408  
 Brick paving, \*287  
 — skips, \*209  
 — steps, †288  
 Bricks, \*109  
 —, air, \*114, †257  
 —, fire, \*110, †259  
 —, fixing, †256  
 —, paving, \*123  
 Brickwork, blue pressed  
     bricks, †253  
 —, blue wirecuts, †253  
 —, engineering, †253  
 —, facing, †260  
 —, fletton's, †251  
 —, Lingfield wirecuts, †253  
 —, manholes, †277  
 —, Southwaters, †253

Brickwork, stocks, †251  
 —, Uxbridge flints, †253  
 —, white glazed, †260  
 Buckets, bottom dump, \*209  
 —, builders, \*209  
 —, dragline, \*213  
 Building Industry, †427  
 — paper, \*107, †248, †306,  
 †396  
 Bull-dozers, \*209  
 Burning off paint, †393  
 Butts, \*154, †330

## C

CALORIFIERS, \*187, †370  
 Carcassing timber, \*128,  
 †304  
 Carr's black, \*198  
 Cartage, \*105  
 Carts, concrete tipping, \*211  
 —, hand, \*216  
 —, water, \*222  
 Cased frames, softwood,  
 \*135, \*139, †312  
 Casements, approximate  
 estimating, 412  
 —, fittings, \*160, †339  
 —, hardwood, \*145, †321  
 —, softwood, \*134, \*135,  
 \*139, †310, †311  
 Casing, pipe, hardwood,  
 \*147, †324  
 —, —, softwood, \*142, †316  
 Cast-iron air bricks, †114,  
 †257  
 — baths, \*190, †373  
 — butts, \*154, †330  
 — drain-pipes, \*119, †274  
 — gully, \*120, †276  
 — gutters, \*168, †355  
 — inspection fittings, \*121,  
 †276  
 — manhole covers, \*122,  
 †279  
 — pipes, \*119, †274

Cast-iron pipes (gas mains),  
 \*205, †399  
 — — (water mains), \*205,  
 †398  
 — radiators, \*193, †377  
 — rainwater goods, \*168,  
 †276, †355  
 — — —, Standard price list,  
 476  
 — roof outlet, \*180, †356  
 — sink brackets, \*198  
 — soil pipes, \*168, †357  
 — water mains, \*205, †398  
 Cat ladders, †344  
 Cavity walls, †252  
 — —, facings, †260  
 Ceiling board, †307  
 Cement, \*106  
 — and sand plain face, †352  
 — fillet, †256  
 — glaze, 421  
 —, Keene's, \*166, †351, 496  
 — paving, †285  
 "Cementone," \*106, \*123  
 Centering, †304  
 Centres, sash, \*160, †339  
 Centrifugal pumps, \*220  
 Chain link fencing, \*206,  
 †400  
 — — —, approximate esti-  
 mating, 415  
 Chairs, 421  
 Channels, steel, \*164, †343  
 —, white glazed, \*115, †278  
 —, — —, standard price list,  
 457  
 Chase in brickwork, †256  
 Chimney bars, †343  
 — pots, \*114, †258  
 Chimneys, 419  
 Cistern, \*187, †370  
 — casing, †383  
 —, flushing, \*191, †374  
 Civil Engineering Industry  
 Current rates  
 of wages, 67  
 — — — — Daywork, †428  
 Clasp nails, \*153  
 Clay partitions, \*112, †263

- \* *Market Prices.*      † *Daywork.*      ‡ *Measured Prices.*
- Clayware pipes, \*115  
 Cleaning eye, ‡271  
 Cleft chestnut fencing, \*206, ‡400  
 Clinker, \*105, ‡245, ‡396  
 Clips, floor, \*107, ‡249  
 —, pipe, \*199  
 Clipsham stone, \*125, ‡290  
 Clout nails, \*152  
 Code of welfare conditions, 97  
 "Colemanoid", \*106, \*123  
 Columns, concrete, ‡247  
 —, steel, ‡343  
 —, stone, ‡290  
 Composition flooring, ‡286  
 Compression joints, lead, \*181, ‡364  
 Compressors, \*210  
 Concrete, ‡247, ‡396  
 — beds, ‡268  
 — benching, ‡268  
 — finishing machines, \*216  
 — floors, ‡247  
 — —, approximate estimating, 409  
 — kerbs, ‡204, ‡397  
 — manholes, \*117, ‡280  
 — mixers, \*211, ‡432, 497  
 — paving slabs, \*204, ‡397  
 — — tiles, \*124, ‡289  
 — piles, 416  
 — pipes, \*116, ‡273  
 —, pre-cast, \*112, ‡250  
 — pumps, \*211  
 — road gully, \*116, ‡273  
 — roads, ‡396  
 — —, approximate estimating, 415  
 — roofing tiles, \*126, ‡295  
 — surround, ‡268  
 — tipping carts, \*211  
 — vibrators, \*212  
 Constructional Engineering Union, address, 75  
 — steelwork, ‡439  
 Contract conditions, R.I.B.A., 234  
 Conversion of prices, 14  
 — — tables, 406, 422  
 Cookers, gas, \*194  
 Coping, artificial stone, \*125, ‡292  
 —, brick, ‡254, ‡261  
 —, precast concrete, \*108, ‡250  
 —, stone, ‡291  
 Copper lights, ‡387  
 — nailing, \*127, ‡354  
 — roofing, ‡382  
 — sheet, \*195  
 — tacks, \*198  
 — tubes, \*183, ‡367, 497  
 — wire, \*198  
 "Corbulin" flooring, ‡287  
 Core-rail, ‡344  
 Cork flooring, ‡287  
 Cornices, ‡290, ‡351  
 Costs, 422  
 Covers, manhole, \*122, ‡279  
 Cow hair, \*167  
 Cradles, travelling, \*212  
 Cramps, \*114, ‡256, ‡292  
 Cranes, \*212, ‡429  
 Crawler excavator, 213, ‡431  
 Creosote, \*202, ‡304, ‡392  
 Cripples, ladder, \*214  
 Crow bars, \*214  
 Cube prices, 405, 407  
 Cullamix, tyrolean, \*166, ‡353  
 Cupboard lock, \*159, ‡336  
 Cupboards, hardwood, \*149, ‡326  
 —, softwood, \*138, \*143, ‡317  
 Cuprinol, \*202  
 Cutting and pinning, ‡256  
 — brickwork, ‡255, ‡260  
 — down hedges, ‡246  
 Cut, tooth and bond, ‡255  
 Cylinders, \*187, ‡370

## D

**DAMP-PROOF course, asphalt,**  
 †281, †282  
 — —, bitumen, \*110, †255  
 — —, lead, †354  
 — —, slate, \*110, †255  
**Daywork, †425**  
 —, asphalt, †441  
 —, building industry, †427  
 —, civil engineering industry, †428  
 —, constructional steelwork, †439  
 —, electrical contracting industry, †438  
 —, heating and ventilating industry, †442  
**Defects, 235**  
**Demolition work, extra rate of wages for, 69, 86**  
**Derricks, scotch, \*214, †430**  
**Desks, 421**  
**Diesel oil, \*208**  
**Directions, Part I, Estimating, 13**  
**Dilapidations, fees, 451**  
**Disposals, †244**  
**Distemper, \*201, †388**  
**Distributing pipes, †362, †367**  
**District surveyor's fees, 426, 447, 455**  
**Districts, gradings of (building industry), 18**  
**Diving gear, †430**  
**Domestic boilers, \*193, †377**  
**Domical grating, \*180, †361**  
**Door chain, \*161, †337**  
 — frames, bed and point, †255  
 — —, hardwood, \*147, †323  
 — —, metal \*165, †349  
 — —, softwood, \*141, †315  
 — furniture\*, 159, †338  
 — linings, hardwood, \*147, †323  
 — —, softwood, \*141, †315  
 —, sliding, track, \*157, †333

**Door springs, \*157, †333**  
**Doors, approximate estimating, 411**  
 —, cupboard, hardwood, \*149, †326  
 —, —, softwood, \*143, †317  
 —, flush, \*136, †313  
 —, hardwood, \*145, †322  
 —, panelled, \*136, †313  
 —, softwood, \*136, \*139, †312  
**Dots, solder, †354**  
**Doubling stone, \*125, †290**  
**Dove marble, \*125, †293**  
**Dragline buckets, \*213**  
**Dragon ties, †304**  
**Draining-board, †383**  
 —, combined metal sink, and, \*188, †371  
**Drain excavation, †266, †267**  
 — pipes, cast-iron, \*119, †274  
 — —, concrete, \*116, †273  
 — —, stoneware, \*115, †269  
 — —, —, standard price lists, 460  
 — plugs, \*215  
 — rods, \*215  
**Drains, approximate estimating, 414**  
 —, land, \*115, †272  
**Drinking fountains, \*189, †373**  
**Dumpers, \*215, †431**  
**Dump trucks, \*215**  
**Dust-bins, \*161, †341**  
**Dust sheets, \*215**

## E

**EARTH augers, \*216**  
**Easels, 421**  
**Eaves, soffit, †306**  
**"Econite" insulation, \*196, †384**  
**Edging, fir, \*204, †397**



\* *Market Prices.* † *Daywork.* ‡ *Measured Prices.*

- Electrical contracting in-  
dustry, †438  
— — —, current rates of  
wages, 68  
— Trades Union, address,  
68  
Electrician, approximate  
estimating, 416  
Elevating graders, \*214  
Employers Liability Insur-  
ance, 235  
Emulsion, bitumen, \*204  
Enamel paint, \*201, †389  
Ends built in, †256  
Engineering and Allied  
Employers' National  
Federation, address, 75  
— bricks, \*109, †253  
"Eureka" insulation, †384  
"Evode", \*106  
Excavation, †243  
—, approximate estimating,  
408  
—, drain, †266  
—, manholes, †277  
Excavators, \*213, †431  
Expanded metal lathing,  
\*166, †350  
Expansion joint, \*107, †248,  
†396  
External walls, approximate  
estimating, 408
- F
- FABRIC reinforcement, \*108,  
†250  
Facing bricks, \*110  
Facings, †260  
Fair-faced brickwork, †255  
Fanlights, hardwood, \*145,  
†321  
—, softwood, \*139, †310  
Fares, see travelling allow-  
ances.  
Fasteners, \*160, †339
- Fees, 426  
—, arbitration, 450  
—, architects', 447  
—, builders', R.O.D.I., 443  
—, —, MH/PC/1, 445  
—, —, R.I.B.A. form, 446  
—, dilapidations, 451  
—, district surveyors', 447,  
455  
—, professional, 447  
—, quantity surveyors', 447,  
452  
—, surveys, 450  
Fell trees, †246  
Felt, hair, \*195, †384  
— roofing, †303  
— sarking, \*127, †301  
Fences, \*206, †400  
—, approximate estimating,  
415  
Fencing, †234, †437  
— industry, rates of wages,  
71  
Ferrules, \*185, †369  
"Fibreglass", \*133, †307  
Fillet, cement, †256  
—, hardwood, \*148, †326  
—, softwood, \*142, †317  
Finger-plates, \*160, †338  
Fir edging, \*204, †397  
Firebricks, \*110, †259  
Fire-check doors, \*137, †313  
Fireclay, \*110  
Fire Insurance, 235  
Fireplaces, †258  
Fires, gas, \*195, †381  
Fittings, wrought iron, \*182  
—, copper, \*184, †367  
—, school, 421  
Fixing bricks, \*110, †256  
Flagstuffs, 420  
Flares, \*208  
Flashings, copper, †382  
—, lead, †354  
—, zinc, †381  
Flat roofing, approximate  
estimating, 410

Flats, lead, †354  
 Flat varnish, \*201  
 Fletton bricks, \*109  
 — brickwork, †261  
 Floor clips, \*107, †249  
 — springs, \*157, †334  
 Flooring, approximate estimating, 409  
 —, Accotile †419  
 —, asphalte, †282, †283, †284  
 —, block, †308  
 —, concrete, †247  
 —, composition, †286  
 —, cork, †287  
 —, hollow tile, \*106, †248, 419  
 —, linoleum, †287  
 —, parquet, †309  
 —, pitchmastic, †284  
 —, rubber, †287  
 —, strip, †309  
 —, timber, \*128, †308  
 Fluctuations, 236  
 —, effect of, 406, 422  
 Flue blocks, \*111, †259  
 — linings, \*114, †259  
 — pipe, asbestos - cement, \*197, †385  
 Fluorescent lighting, approximate estimating, 416  
 Flush bolts, \*158, †335  
 — cisterns, \*191, †374, †375  
 — doors, \*136, †313  
 — pipe, \*192, †375  
 Foamed slag, \*106  
 — — partitions, \*112, †263, †264  
 — — concrete, †248  
 Footpaths, †397  
 Foreman, 234  
 —, office, 241  
 Forge, †437  
 Forms, \*220  
 Formwork, †249, †277  
 Fosasil partition blocks, \*112, †263  
 Foundations, approximate estimating, 408

Fountains, drinking, \*189, †373  
 Frames, bed and point, †255  
 —, door, hardwood, \*147, †323  
 —, —, softwood, \*141, †314  
 —, metal door, \*165, †349  
 —, window, hardwood, \*147, †323  
 —, —, softwood, \*141, †314  
 French polishing, †395  
 Fresh air inlets, \*122, †271  
 Furniture, door, \*160, †338

## G

GARAGE bolt, \*158, †335  
 Gas appliances, \*194, †380  
 — cock, \*194, †380  
 — fires, \*195, †381  
 — flue blocks, \*111, †259  
 — mains, \*205, †399  
 — tubes and fittings, \*194, †378, †379  
 Gasketing, jute, \*198  
 Geysers, \*194, †380  
 Gibs and cotters, †305, †345  
 Girders, steel, †342  
 " Glascrete " pavement lights, \*108, †250  
 Glass, \*200, †386  
 — slates, †295, †297, †300  
 Glazed bricks, \*110, †260  
 — partition blocks, \*114, †265  
 — wall tiling, \*167, †353  
 Glazing, †386  
 — beads, hardwood, \*148, †325  
 — —, softwood, \*142, †316  
 — trade, 74, 102  
 Grabs, crane, \*212  
 Graders, \*214, †436  
 Gradings of districts (building industry), 18  
 — (building industry, Scotland), 65

- \* *Market Prices.* † *Daywork.* ‡ *Measured Prices.*
- Gradings (road haulage workers), 79  
 — (ventilating and domestic engineering industry), 77
- Graining woodwork, ‡394
- Granite chippings, \*123  
 — setts, \*204, ‡397
- Granolithic paving, ‡285
- Grass seed, \*105, ‡246
- Gratings, brass, standard price list, 459  
 —, wire balloon, \*180, ‡361
- Gravel, \*204  
 — paths, ‡398  
 — —, approximate estimates, 415
- Grease gully, ‡270
- Grooved flettons, \*109, ‡255
- Groove in brickwork, ‡256  
 — in concrete, ‡248
- Grounds, ‡305, ‡310, ‡314, ‡321
- Guaranteed time, 238
- Guard rail, ‡345
- Guaribu flooring, ‡309
- Gully, cast-iron, \*120, ‡276  
 —, concrete, \*116, ‡273  
 —, concrete road, \*116, ‡273  
 —, stoneware, \*115, ‡270, ‡271  
 —, —, standard price lists, 464  
 — trap, cast-iron, \*120, ‡276
- Gurjun flooring, ‡309
- Gutter fittings, \*171, \*176, \*179
- Gutters, asbestos - cement, \*169, \*172, \*173, ‡358  
 —, cast-iron, \*168, ‡355  
 —, —, standard price list, 476  
 —, copper, ‡382  
 —, lead, ‡354  
 —, light alloy, \*176, ‡360  
 —, mild steel, \*178
- Gutters, pressed steel, ‡361  
 —, zinc, ‡381
- Gypsum wall boards, ‡352  
 — plaster board, \*167, ‡352
- ## H
- HAIR, \*167  
 — felt, \*195, ‡384
- Hammers, \*216
- Hand-carts, \*216
- Hand lamps, \*208  
 — rails, hardwood, \*151, ‡329  
 — —, softwood, \*144, ‡320  
 — —, painting, ‡390
- Hardboard, \*131
- Hardcore, \*105, ‡245, ‡396
- Hardwood, \*128, 496  
 — joinery, ‡321
- Headings, ‡245
- Heads, rainwater, \*177, ‡356
- Hearths, concrete, ‡247  
 —, stone, ‡291, ‡292
- Heating installation, approximate estimating, 416
- Heat resisting paint, \*201, ‡392
- Hedges, ‡246
- Hemp, \*198
- Herring - bone strutting, \*305
- Hinges, \*154, ‡330  
 —, easy-clean, \*135, ‡311
- Hip, approximate estimating, 410  
 — hook, \*127, ‡294, ‡295, ‡297, ‡298, ‡300  
 —, tiles, \*126, ‡294, ‡297, ‡298, ‡299
- Hods, bricklayer's, \*209
- Hoists, \*216, ‡431
- Holding-down bolts, ‡343
- Holes, brickwork, ‡257  
 —, hardwood, ‡325

Holes, softwood, ‡316  
 —, stone, ‡292  
 Holidays agreement, 88  
 Holidays with pay, 240  
 Hollow clay partition blocks,  
   \*112, ‡263  
 Hollow tile flooring, \*106,  
   ‡248, 419  
 "Holoplast", \*130  
 Hook-and-band hinge, \*155,  
   ‡330  
 Hooks, \*161  
 —, cabin, ‡341  
 —, hat and coat, ‡340  
 Hoop - iron cramps, \*114,  
   ‡256  
 Hopton Wood marble, \*125,  
   ‡293  
 Hoses, \*217, †434  
 Hot-water system, approxi-  
   mate estimating, 416  
 Hurricane lamps, \*217

## I

"IBECO", \*107  
 Indicating bolt, \*158, ‡336  
 Inspection fittings, cast-iron,  
   \*121, ‡276  
 — chambers, precast con-  
   crete, \*118, ‡280  
 Insulating board, \*132, ‡307  
 — jackets, \*195, ‡384  
 — pipes, ‡384  
 — paper, \*132, ‡306  
 — sheeting, \*133, ‡307  
 Insurance, 235, 239, 493  
 Intercepting trap, ‡271  
 — —, standard price lists,  
   465  
 Interlocking tiles, \*127,  
   ‡299  
 Internal walls, approximate  
   estimating, 408  
 Iroko, \*128  
 Iron, see Cast -iron ;  
   Wrought iron.

## J

JACKS, \*431  
 Jambs, stone, ‡290  
 Jarrah flooring, ‡308  
 Jib cranes, \*212  
 Jointing composition, \*198  
 —, lead compression, \*181,  
   ‡364  
 Joists, fir, ‡304  
 —, steel, \*162, ‡342, 496

## K

KEENE'S cement, \*166, ‡351,  
   496  
 Kerbs, pre-cast concrete,  
   \*204, ‡247, ‡397  
 —, brick, ‡271  
 Kimolo partition blocks,  
   \*112  
 Kitchen fitments, \*138, ‡318  
 Knotting, \*201  
 Krabak flooring, ‡309

## L

LABOURS on timber, ‡305  
 Ladders, \*217  
 —, cat, ‡344  
 —, cripples, \*214  
 Lamps, \*208, \*217  
 Land drains, \*115, ‡272  
 Landings, hardwood, \*150,  
   ‡327  
 —, softwood, \*143, ‡319  
 Lantern lights, \*315  
 Latches, \*159, ‡336  
 Lathing, \*166, ‡350  
 Lavatory basins, \*189, ‡372  
 Lead, alloy pipes, \*181,  
   ‡363, ‡364  
 —, blue, \*198  
 —, compo pipe, \*194, ‡378  
 —, compression joints, \*181,  
   ‡364  
 —, milled, ‡310

- \* *Market Prices.* † *Daywork.* ‡ *Measured Prices.*
- Lead pipe, \*181, ‡355, ‡362, 496  
 —, red, \*198  
 —, sheet, \*168, ‡354, 496  
 — soakers, ‡294, ‡295, ‡297, ‡301, ‡354  
 — traps, \*181, ‡365  
 Leaded lights, ‡387  
 Level and staff, †433  
 Levelling, ‡244  
 — and ramming bottoms, ‡243  
 —, preparing old walls for raising, ‡255  
 Light-alloy gutters, \*176, ‡360  
 — ladders, \*217  
 — rainwater pipes, \*177, ‡361  
 Lighting, temporary, 240  
 Lightning conductors, 420  
 Lights, pavement, precast concrete, \*108, ‡250  
 —, roof, precast concrete, \*108, ‡250  
 Lightweight concrete, ‡248  
 Lime, \*109, ‡201  
 Lime-white, ‡388  
 Lingfield engineering wire-cuts, \*109, ‡253  
 Lining paper, ‡395  
 Linings, door, hardwood, \*147, ‡323  
 —, —, softwood, \*141, ‡315  
 —, flue, \*114, ‡259  
 —, marble, ‡293  
 —, window, hardwood, \*147, ‡323  
 —, —, softwood, \*141, ‡315  
 Linoleum, ‡287  
 Linseed oil, \*203  
 — putty, \*203  
 Lintels, concrete, ‡247  
 —, precast concrete, \*108, ‡250  
 —, stone, ‡290  
 —, wood, ‡304
- Locks, \*159, ‡336  
 Locos, \*218, †432  
 Lodging allowances, 92, 237  
 — —, London working rule, 96  
 London Master Builders' Association, address, 94  
 — working rules, 94  
 — lodging allowances, 96  
 — travelling allowances, 94  
 Lorries, 224, †432  
 Lubricating oil, 223
- M
- MAHOGANY, \*128  
 — hand rails, \*151, ‡329  
 Mains, ‡398  
 Manholes, \*117, \*119, ‡277, ‡280  
 —, approximate estimating, 414  
 — covers, \*117, \*122, ‡279  
 —, precast concrete, \*117, \*119, ‡280  
 Mansfield stone, \*125  
 Maple flooring, ‡308, ‡309  
 Marble, \*125, ‡293  
 Mat frames, ‡344  
 Mesh reinforcement, \*108, \*114, ‡250, ‡256, ‡396  
 Metal windows, ‡346  
 — —, approximate estimating, 412  
 — lathing, \*166, ‡350  
 MH/PC/1, 445  
 Mild steel, see Steel.  
 Milled lead, ‡354  
 Mixers, concrete, \*211, †432, 497  
 —, truck, \*222  
 Moler partition blocks, \*112, ‡263  
 Mortice in concrete, ‡249  
 — in brickwork, ‡256  
 — in stone, ‡292

Mortice latch, \*159, †337  
 — locks, \*159, †337  
 Mouldings, hardwood,  
   \*148, †325  
 —, softwood, \*142, †316  
 Muhuhu flooring, †308  
 Mullions, hardwood, \*147,  
   †323  
 —, softwood, \*141, †315  
 —, stone, †290

## N

NAILS, clasp, \*153  
 —, copper, \*127  
 —, galvanised, \*127  
 —, pipe, \*199  
 —, wire, \*152  
 National Federated Elec-  
   trical Association, ad-  
   dress, 68  
 — Federation of Building  
   Trades Employers, ad-  
   dress, 79  
 — Federation of Plumbers  
   and Domestic Engi-  
   neers (Employers), ad-  
   dress, 77  
 — Insurance Act, 1946, 239,  
   493  
 — Joint Council for the  
   Building Industry, ad-  
   dress, 59  
 — Joint Council for the  
   Building Industry,  
   working rules, 81  
 — Union of Operative Heat-  
   ing and Domestic Engi-  
   neers and General  
   Metal Workers, ad-  
   dress, 77  
 — working rules, see also  
   London Working  
   Rules.  
 — — —, allied industries,  
   101  
 — — —, building industry,  
   81

National working rules,  
   extra payments  
   (Rule 3), 82  
 — — —, lodging allowances  
   (Rule 6), 92  
 — — —, night gangs (Rule  
   5), 89  
 — — —, overtime (Rule 4),  
   87  
 — — —, travelling allow-  
   ances (Rule 6), 89  
 Newels, hardwood, \*150,  
   †328  
 —, softwood, \*144, †319  
 Night gangs, 89  
 — latch, \*159, †337  
 "Noelite" paving, \*124,  
   †289  
 Norfolk latches, \*159, †336  
 Nosings, †286, †287, †319,  
   †327  
 Notching timber, †305  
 Numerals, \*161, †340

## O

OAK, \*128  
 Oak flooring, †308, †309  
 Obscured glass, \*200, †386  
 Offices, †433  
 —, temporary, 241  
 Oil, diesel, \*208  
 —, lubricating, 223  
 Overtime, 87  
 Outlet, roof, cast-iron, \*180,  
   †356

## P

PADSTONES, concrete, †247  
 Paint, \*301, †388  
 —, steelwork, †343  
 Pale fencing, \*206, †400  
 — — —, approximate esti-  
   mating, 415  
 Panel pins, \*152  
 Panelled doors, \*136, \*137,  
   \*140, \*145, †312, †322

- \* *Market Prices.* † *Daywork.* ‡ *Measured Prices.*
- Panelling, hardwood, \*146, †322  
 —, softwood, \*140, †314  
 Panels, bath, \*190, †373  
 Panic bolt, \*158, †336  
 Pantiles, \*127, †298  
 Paper, insulating, \*132, †306  
 —, wall, †395  
 —, waterproof, \*107, †248, †396  
 Parge flue, †258  
 Parliament hinge, \*156, †332  
 Parquet flooring, †309  
 Partition blocks, \*112  
 Partitions, †262  
 —, approximate estimating, 408  
 —, brick, †252  
 —, framed, hardwood, \*146, †323  
 —, —, softwood, \*141, †314  
 Paths, †397  
 —, approximate estimating, 415  
 Pavement lights, \*108, †250  
 Paving, asphalt, †243  
 —, brick, †287  
 —, cement, †285  
 —, concrete slabs, \*204, †397  
 —, granolithic, †285  
 —, gravel, †398  
 —, marble, †293  
 —, "Noelite", \*124, †289  
 —, quarry tile, \*123, †288  
 —, steel, \*124, †289  
 —, terrazo, †286  
 Paviers, \*123, †287  
 "P.C.", definition, 14  
 Pebble dash, †353  
 Petrifying liquid, \*201  
 Petrol, \*208  
 "Philplug" jointing composition, \*198  
 Picks, \*219  
 Piling, 418  
 —, plant, \*219  
 Pine flooring, †308  
 Pipe-board, †305  
 Pipes, asbestos-cement pressure, \*205, †399  
 —, asbestos - cement rainwater, \*170, †359  
 —, — soil, \*174, †360  
 — casing, hardwood, \*147, †324  
 — —, softwood, \*142, †316  
 —, cast-iron, \*119, †274, †275  
 —, — drain, \*119, †274, †275  
 —, — (gas mains), \*205, †399  
 —, — rainwater, \*168, †356  
 —, — soil, \*168, †357  
 —, — (water mains), \*205, †398  
 —, — waste, \*168, †357  
 —, clayware, \*115, †272  
 —, clips, \*199  
 —, concrete, \*116, †273  
 —, copper, \*183, †366  
 —, flue, asbestos - cement, \*197, †385  
 —, flush, \*192, †375  
 — hooks, \*199  
 —, insulation, \*195, †384  
 —, lead, \*181, †358, †362, 496  
 —, — alloy, \*181, \*194, †364, †378  
 —, light alloy, rainwater, \*176, †361  
 — nails, \*199  
 —, porous concrete, \*115  
 —, silver/copper/lead, †181, †363  
 —, steel, \*178, \*182, †366, †379  
 —, stoneware, \*115, †269  
 —, —, standard price list, 460  
 Pitched roofing, approximate estimating, 410

Pitchmastic flooring, †284  
 Plain face, †352  
 Planking and strutting, †245  
 — — —, manholes, †277  
 Plant, 208, 241  
 — hire, 208, †429  
 Plaster, \*166, †350, 496  
 — board, \*167, †352, 496  
 — moulded cornice, †351  
 Plastic insulation, \*195, †384  
 — panels, \*130  
 Plate glass, \*200, †387  
 Plates, †304  
 Plugging, †305  
 Plugs, drain, \*215  
 Plumbing angles, †255  
 —, approximate estimating, 416  
 — trades union, 77  
 Plymax, \*129  
 Plywood, \*128, 496  
 Pointing frames, †255  
 Pokers, gas, \*195, †381  
 Polishing, †395  
 Porous concrete pipes, \*115  
 Portland cement, \*106  
 — stone, \*125, †290  
 Post-and-wire fencing, \*206, †400  
 Pots, chimney, \*114, †258  
 Power picks, \*219  
 Precast concrete, \*108, †250  
 — — kerbs, \*205, †397  
 — — manholes, \*117, \*119, †280  
 — — partitions, \*112  
 — — paving slabs, \*204, †397  
 — — pavement lights, \*108, †250  
 — — piles, 418  
 — — roof lights, \*108, †250  
 Preliminaries, 13  
 —, %, 242  
 Preservatives, \*202, †392  
 Pressure pipes, asbestos-cement, \*205, †399

Price lists, standard:  
 cast-iron rainwater and soil goods, 476  
 malleable tubes and fittings, 486  
 salt-glazed drain-pipes and fittings, 460  
 screwed and socketed tubes and fittings, 473  
 white glazed channels, 457  
 wood screws, 489  
 Prices, application of, 13  
 —, basis for, 13  
 —, conversion of, 14  
 Prime cost contracts, 425, 443, 445, 446  
 — — fees, 454  
 "P.C.", definition, 14  
 Prismatic glass, \*200, †386  
 Professional fees, 426, 447  
 "Pudlo", \*106  
 Pumps, \*219, †434  
 —, centrifugal, \*220  
 —, concrete, \*211  
 —, dewatering, \*215  
 Punners, \*219  
 Purlins, wood, †304  
 Putty, \*198, \*200, \*203

## Q

QUADRANT stays, \*160, †339  
 Quantity surveyors, fees, 426, 447, 452  
 Quarry tiles, \*114, \*123  
 — tile sill, †261  
 — — paving, †288

## R

RADIATORS, \*193, †377  
 Rafters, †304, †305  
 Rag bolts, †345  
 Rail, guard, †345  
 Railings, †345  
 Railway equipment, †435 .



- \* *Market Prices.* † *Daywork.* ‡ *Measured Prices.*
- Rainwater goods, asbestos-cement, \*169, ‡358  
 — —, cast-iron, \*168, ‡276, ‡355  
 — —, —, standard price list, 476  
 — —, light alloy, \*177, ‡361  
 — —, pressed steel, ‡361  
 Raking out joints, ‡255, ‡256  
 Rammers, \*219, †435  
 Rates, current, of wages:  
   building industry, 17, 62, 494, 498  
   civil engineering industry, 67, 495  
   demolition industry, 69  
   electrical contracting industry, 68  
   extra payments, 82  
   fencing industry, 71  
   glazing trade, 74  
   mastic asphalt industry, 73, 495  
   night gangs, building industry, 89  
   outside steelwork erection, 75  
   overtime, building industry, 87  
   road haulage workers, 79, 495  
   terrazo-mosaic industry, 76, 495  
   ventilating and domestic engineering industry, 77  
 Reconstructed stone, ‡292  
 "Redalon", \*106, ‡248  
 Red lead, \*198  
 Regional joint secretaries, 59  
 Reinforced concrete, ‡247  
 Reinforcing, concrete, ‡396  
 — rods, \*107, ‡249, 496  
 Reinforcement, mesh, \*108, \*114, ‡250, ‡396  
 Rendering, ‡255, ‡350  
 Ribbon velvet, \*200, ‡386  
 Ridge, slate, or tile, \*126, ‡294, ‡295, ‡297, ‡298, ‡299  
 Ridges, approximate estimating, 410  
 Rim locks, \*159, ‡337  
 Rippers, \*220  
 Risers, stair, hardwood, \*149, ‡327  
 —, —, softwood, \*143, ‡319  
 Road forms, \*220, †435  
 — gully, \*116, ‡271, ‡273  
 — lamps, \*217  
 — signs, \*220  
 — vehicles, rates of hire, 224  
 Roads, ‡396  
 —, approximate estimating, 415  
 —, temporary, 233  
 R.O.D. 1, 443  
 Rod reinforcement, \*107, ‡249, 496  
 Rods, drain, \*215  
 Rolled glass, \*200, ‡386  
 Rollers, \*221, †435, 497  
 Roman stone, \*125, ‡293  
 Roof boarding, ‡304  
 — lights, precast concrete, \*108, ‡250  
 — outlets, \*180, ‡356  
 — straps, ‡345  
 — trusses, aluminium, 420  
 — —, steel, ‡343  
 Roofing, approximate estimating, 410, 418  
 —, asbestos-cement, \*127, ‡302  
 —, asphalt, ‡281, ‡283  
 —, bituminous felt, ‡303  
 —, copper, ‡382  
 —, lead, ‡354  
 —, shingle, ‡301  
 —, slate, \*126, ‡294, ‡295  
 —, tile, \*126, ‡295  
 —, zinc, ‡381  
 Ropes, wire, 223

Rough cast, †353  
 Royal Institute of British Architects:  
   address, 447  
   conditions of contract, 234  
   fees, 426, 447  
   prime cost contract, 425, 446  
 Royal Institution of Chartered Surveyors:  
   address, 447  
   fees, 426, 452  
 Rubber flooring, †287  
 Rubbish baskets, \*221

## S

SAFETY valves, \*193, †377  
 Sand, bricklaying, \*109  
 —, concreting, \*106  
 —, plastering, \*166  
 Sanders, \*219  
 Saplings, †246  
 Sarking felt, \*127, †301  
 Sash fittings, \*160, †339  
 Sashes, hardwood, \*145, †321  
 —, softwood, \*139, †310, †312  
 Saws, \*219, †437  
 Scaffolding, 221, 241  
 Scarf joint, †305  
 Scarifier, \*221, †435  
 School fittings, 421  
 Scrapers, \*214, †436, 497  
 Screed, †285  
 Screens, \*222  
 Screw-bolts, †343, †345  
 Screwdrivers, \*219  
 Screws, \*153  
 —, boiler, \*185, †369  
 —, gutter, \*180  
 Scrim cloth, \*114  
 "Sealocrete", \*106, \*123  
 Sectional buildings, \*219  
 Seeding, \*105, †246  
 Setts, granite, \*204, †397  
 Sheds, 241, †433  
 Sheet glass, \*200  
 — lead, \*168, †354, 496  
 Shelf brackets, \*161, †341  
 Shell roofs, †248, 418  
 —, formwork, †249  
 Shelter, watchman's, \*222  
 Shelving, hardwood, \*148, †326  
 —, softwood, \*142, †317  
 Shingle, \*106  
 Shingling, †301  
 Shovels, \*222  
 —, high-lift, \*216, †431  
 Showers, \*190, †374  
 Shuttering, \*222, †249, †435  
 Sicilian marble, \*125, †293  
 Sienna marble, \*125, †293  
 Sieves, \*222  
 Signs, road, \*220  
 Silicate of soda, \*123  
 Sill, artificial stone, \*125, †292  
 —, bedding, †250  
 —, brick, †261  
 —, hardwood, \*135, \*147, †311, †323  
 —, precast concrete, \*108, †250  
 —, softwood, \*141, †315  
 —, stone, †291  
 —, tile, †261  
 Silver / copper / lead pipe, \*181, †363, 496  
 Sink brackets, \*198  
 Sinkings in deal, †305  
 Sinks, \*188, †371  
 —, slop, \*192, †376  
 Sirapite, \*166, †351  
 "Sisalation", \*132  
 "Sisalkraft", \*107, \*132  
 Site excavation, †243, †244  
 Size, \*201, \*203  
 Skips, brick, \*209  
 —, crane, \*212, †430  
 Skirtings, hardwood, \*145, †321  
 —, Keene's cement, †352  
 —, softwood, \*139, †310

- \* *Market Prices.* † *Daywork.* ‡ *Measured Prices.*
- Skylights, \*141, ‡315  
 Slag wool, \*195, ‡384  
 Slat shelving, \*142, ‡317  
 Slate battens, \*127, ‡301  
 — damp-course, \*110, ‡255  
 — nails, \*152  
 Slate ridge, \*126, ‡294, ‡295, ‡297, ‡298, ‡299  
 Slates, \*110, ‡255  
 —, roofing, \*126, ‡294, ‡295  
 Sledge hammers, \*216  
 Sleeper walls, ‡252  
 Sleeves, \*185, ‡369  
 Sliding door track, \*157, ‡333  
 Slings, barrow or basket, \*209  
 Slop hoppers, \*192, ‡376  
 Sluice valve, \*205, ‡398  
 Smudge, ‡392  
 Soakers, lead, ‡294, ‡295, ‡297, ‡301, ‡354  
 Softwood, \*128  
 — joinery, ‡310  
 Soil, pipes, ‡355, ‡357, ‡360  
 Solder, \*198  
 — joints, ‡355, ‡362  
 "Solignum", \*202  
 Southwater engineering bricks, \*109, ‡253  
 Spade face to concrete, ‡248  
 Spikes, gutter, \*180  
 Spring hinges, \*156, ‡332  
 Springs, door, \*157, ‡353  
 —, floor, \*157, ‡334  
 Squint, ‡255, ‡260  
 Stain, \*202, ‡394, ‡395  
 Staircases, approximate estimating, 413  
 —, hardwood, \*149, ‡327  
 —, softwood, \*143, ‡319  
 Stancheons, ‡342  
 Standard price lists, see "Price Lists".  
 Stays, casement, \*160, ‡339  
 —, quadrant, \*160, ‡339  
 Steel, \*162, ‡342  
 — door frames, \*165, ‡349  
 Steel joists, \*165, ‡342, 496  
 — mesh reinforcement, \*108, \*114, ‡250, ‡396  
 — paving, \*124, ‡289  
 — rainwater goods, \*178, ‡361  
 — shuttering, ‡249  
 — reinforcing rods, \*107, ‡249, 496  
 — tubes and tubulars, \*182  
 — tubing, ‡345, ‡366, ‡379  
 Steelwork, ‡342  
 "Stelcon" steel paving, \*124, ‡289  
 "Stent" piles, 418  
 Step irons for brick manholes, \*122, ‡279  
 — — — concrete manholes, \*117  
 Steps, brick, ‡288  
 —, painter's, \*217  
 —, stone, ‡291, ‡292  
 Stock bricks, \*109, ‡251  
 Stone, \*125, ‡290  
 Stoneware pipes, ‡269  
 — — and fittings, \*115  
 — — — —, standard price list, 460  
 Stools, 421  
 Stop-cocks, \*186, ‡369  
 —, pit, ‡383  
 Storage cupboards, wood, \*138, ‡318  
 Stoves, ‡258  
 Straps, ‡305  
 —, roof, ‡305, ‡345  
 Strings, hardwood, \*150, ‡328  
 —, softwood, \*144, ‡319  
 Strip flooring, ‡309  
 —, paper, ‡395  
 Strutting, ‡245, ‡304, ‡305  
 Struts, wood, ‡304, ‡305  
 Subsistence allowance, 96, 103, 237  
 Surface box, \*205, ‡398  
 Surround, concrete, ‡268

- Surveyors' fees, 426, 447, 452, 455  
 Surveys, fees, 450
- T
- TABLES, 421  
 Tacks, copper, \*198  
 Tank bearers, †383  
 Tanking, asphalt, †281, †282  
 Tanks, \*187, †370  
 Tar spraying plant, †435  
 Tarmacadam paving, approximate estimating, 415  
 — roads and footpaths, †397  
 Tarpaulins, \*222, †437  
 Teak, \*128  
 — flooring, †308, †309  
 Tee hinge, \*156, †331  
 —, steel, \*165, †343  
 Telephone, 241  
 Template, precast concrete, \*108, †250  
 —, stone, †291  
 Temporary roads, 233  
 Tenders, 16  
 Terra cotta air bricks, \*114, †257  
 — — chimney pot, \*114, †258  
 Terrazzo-Mosaic industry, 76, 104  
 — paving, †286  
 Theodolite, †435  
 Thimbles, \*185, †369  
 Third-party insurance, 235  
 Threshold, stone, \*125, †291, †292  
 —, precast concrete, \*108, †250  
 Tile battens, \*127, †301  
 Tiles, creasing, \*114  
 —, interlocking, \*127, †299  
 —, paving, \*123, †288, †289  
 —, quarry, \*114, \*123, †288  
 —, ridge, \*126, †294, †295, †297, †298, †299  
 Tiles, roofing, \*114, \*126, †295  
 —, sill, †261  
 —, wall, \*167, †353  
 Timber, \*128, †435  
 Timekeepers, 234  
 — office, 241  
 Tipping carts, concrete, \*211  
 Tool allowances, 87  
 Tothing and bonding, †255  
 Tower bolts, \*158, †335  
 Track, sliding door, \*157, †333  
 Tractors, \*209, \*214, \*220, \*223, †436  
 Transomes, hardwood, \*147, †323  
 —, softwood, \*141, †315  
 —, stone, †290  
 Transport and General Worker's Union, address, 79  
 Traps, gully, cast iron, \*120, †276  
 —, intercepting, †271  
 —, lead, \*181, †365  
 —, stoneware, \*115  
 —, —, standard price list, 465  
 Travelling:  
   allowances, London working rule, 94  
   Civil Engineering, 103  
   cradles, \*212  
   expenses, 238, 451  
   glazing trade, 102  
   National Working Rule, 89  
   Terrazzo-Mosaic, 104  
 Travertine marble, \*125, †293  
 Treads, stair, granolithic, †285  
 —, —, hardwood, \*149, †327  
 —, —, rubber, †287  
 —, —, softwood, \*143, †319  
 —, —, terrazzo, †286  
 Trees, †246  
 Trench excavation, †266, †267, †382

\* *Market Prices.* † *Daywork.* ‡ *Measured Prices.*

Trenches, service pipes, ‡382  
 Trenchers, \*218, 223, †436  
 Trestles, \*217  
 "Tretol", \*106  
 "Tricosal", \*106, \*123  
 Trucks, dump, \*215  
 Trusses, roof, †343, 420  
 Tubes, copper, \*183, †367, 497  
 —, mild steel, \*182, †345, †366, †379  
 —, —, standard price list, 473  
 —, steel, \*182, †345, †366, †379  
 Turfing, †246  
 Tyrolean rendering, †353

## U

UNDERPINNING, †243, †245, †247  
 —, brickwork, †251  
 —, engineering bricks, †253  
 Union, brass, \*185, †369  
 Urinals, \*192, †376  
 Uxbridge flint bricks, \*109, †253

## V

VALVES, safety, \*193, †377  
 —, sluice, \*205, †398  
 Vans, †430  
 Varnish, \*201, †394  
 Vehicles, road, rates of hire, 224  
 Velvet, ribbon, \*200, †386  
 Veneered panels, \*130  
 Ventilating pipes:  
 asbestos-cement, †360  
 cast-iron, †357  
 lead, †355  
 Vibrators, concrete, \*212  
 Vitrolite, \*200, †387  
 Voussoirs, stone, \*290

## W

WAGES, current rates of:  
 building industry, 17, 63, 494, 498  
 civil engineering industry, 67, 495  
 demolition industry, 69  
 electrical contracting industry, 68  
 extra payments, 82  
 fencing industry, 71  
 glazing trade, 74  
 mastic asphalt, 73, 495  
 night gangs, 89  
 outside steelwork erection, 75  
 overtime, 87  
 road haulage workers, 79, 495  
 terrazzo-mosaic, 76, 495  
 ventilating and domestic engineering, industry, 77  
 Wallboard, \*132, †307  
 Wall-paper, †395  
 Wall strings, hardwood, \*150, †328  
 — —, softwood, \*144, †319  
 Walls, approximate estimating, 408  
 —, brick, see Brickwork.  
 —, concrete, †247  
 Wall-tiles, \*167  
 Wall-tiling, †353  
 Wash-tubs, \*188, †372  
 Waste pipe, asbestos-cement, \*174, †360  
 — —, cast-iron, \*168, †357  
 — —, copper, †367  
 — —, lead, \*181, †355, †362  
 — —, steel, †366  
 Watchman's shelters, \*222  
 W.C. indicating bolt, \*158, †336  
 — suites, \*191, †374  
 Water, 240

- Water carts, \*222  
 — mains, \*205, †398  
 Waterproof paper, \*107, †248, †396  
 Water-proofers, \*106  
 Wax polish flooring, †308, †309  
 — polishing, †395  
 Weldon stone, \*125, †290  
 Welfare, 97, 242  
 Wells, 417  
 Westmorland green slates, \*126, †295  
 Wheeling, †244  
 White glazed bricks, \*110, †260  
 — — — channels, \*115  
 — — —, standard price list, 457  
 — — — partition, \*114, †265  
 Whitening, †388  
 White spirit, \*203  
 Winches, †431  
 Winchester cutting, †296  
 Window boards, hardwood, \*147, †324  
 — —, softwood, \*141, †315  
 — frames and linings, hardwood, \*147, †323  
 — — — —, softwood \*141, †315  
 — sashes, double hung, \*135, \*139, †312  
 — sill, hardwood, \*147, †323  
 — —, softwood, \*141, †315  
 Windows, approximate estimating, 412  
 —, casement, hardwood, \*145, †321  
 —, —, softwood, \*134, \*139, †310, †311  
 Windows, metal, †346  
 Wire, copper, \*198  
 — ropes, 223  
 Wired glass, \*200, †386  
 Wire mesh reinforcement, \*108, \*114, †250, †396  
 Wood flooring, \*128, †308–9  
 — —, approximate estimating, 409  
 — preservatives, \*202, †392  
 — screws, standard price list, 489  
 — wool partitions, 113, †264  
 Working rules:  
     Civil Engineering, 103  
     glazing trade, 102  
     London, see London working rules.  
     National, see National working rules.  
     Terrazzo-Mosaic, 104  
 Writing, †394  
 Wrought iron bars, \*165, †343  
 — — chimney bars, †343  
 — — hip hook, \*127, †294, †295, †297, †298, †300
- Y
- YORK stone, †291  
 — — templates, †291
- Z
- ZINC roofing, †381  
 — sheet, \*195

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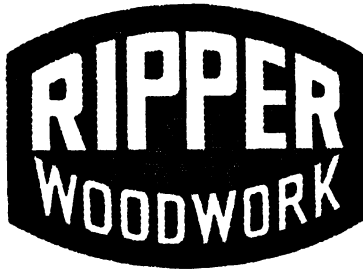
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