

42 (H.A. 257)

BOARD OF TRADE

# FINAL REPORT on the CENSUS OF PRODUCTION FOR 1948

Volume 1

Trade F

BRICK AND FIRECLAY



Presented by the Board of Trade to Parliament in pursuance of the Statistics of Trade Act, 1947 (10 & 11 Geo. 6, Ch. 39, Sec. 7).

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THREE SHILLINGS NET

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In interpreting the data in the following tables, it is essential to bear in mind not only the qualifications mentioned in this report but also the general explanations and qualifications contained in the separate booklet published in this series by H.M. Stationery Office entitled "Final Reports of the Census of Production for 1948: Introductory Notes", price 2s Od. NET

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BRICK AND FIRECLAY TRADE

THIS REPORT on the Brick and Fireclay Trade relates to establishments engaged wholly or mainly in the manufacture of building bricks, clay flooring and roofing tiles, fireclay sanitary ware and other similar clay products, bath bricks, hearthstones, ground or flaked graphite, and refractory goods such as ganister, magnesite and silica bricks, crucibles, gas retorts and kiln linings.

This trade corresponds to minimum list heading 20 in the Standard Industrial Classification with the addition of plumbago crucibles, bath bricks, hearthstones and ground or flaked graphite from heading 29(3) relating to miscellaneous non-metalliferous mining manufactures.

The particulars given for the year 1948 are not exactly comparable with those given for 1937 and 1935. In each year the majority of firms which manufactured brick and fireclay products and which owned the quarries at which brickearth, clay etc., were raised made combined returns in this trade covering both their factories and their associated quarries instead of making separate returns in respect of their quarries in the Non-Metalliferous Mines and Quarries trade. The proportion of returns in this trade which. included quarries was about 90 per cent. in 1935 and about 70 per cent. in 1937 and 1948. The number of quarry personnel included in the report for this trade in each year is unknown.

Establishments in this trade in Northern Ireland (which are excluded in 1948) accounted in 1935 for about 1 per cent, of the net output for the United Kingdom.

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# TREATMENT OF NON-METALLIFEROUS MINING PRODUCTS OTHER THAN COAL

BRICK AND FIRECLAY TRADE

Summary

Larger establishments

TABLE |

|  | 1948 (a)                               | 1937(b)                   | 1935 (b)                  |
|--|--|---------------------------|---------------------------|
| Gross output (production)  | £'000<br>55,054                        | £1000<br>32,567           | £'000<br>27,921           |
| Cost of materials and fuel used  | 18,668                                 | 10,054                    | 7,966                     |
| Payment for work done on materials given out   | 24                                     | 13                        | 18                        |
| Brick levy payable to the Ministry of Works  | 82                                     | -                         | -                         |
| Net output   | 36,281                                 | 22,500                    | 19,937                    |
| Wages and salaries of persons employed<br>Average number of persons employed (c)<br>Net output per person employed (c) | 23,851<br>No.<br>71,977(d)<br>£<br>504 | No.<br>95,853<br>£<br>235 | No.<br>91,573<br>£<br>218 |
| Stocks at end of year  | £1000                                  | ٤ ١ ٥٥٥                   | £1000                     |
| Finished products and work in progress   | 5,657                                  | ••                        | ••                        |
| Materials and fuel<br>Number of establishments   | 2,939<br>No.<br>1,011                  | No                        | No.<br>1,420              |

(a) Great Britain only.
(b) United Kingdom.
(c) Excluding outworkers.
(d) For an estimate of the total number of persons employed in this trade see Table 3.

The values of gross output and of materials and fuel used are derived in the following way: -

|  | 1948            | 1937    | 1935    |
|--|-----------------|---------|---------|
| Output of firms in this trade  | ٤' 000          | £' 000  | £'000   |
| Total value of sales (1948) or production (1937 and 1935)            |                 |         |         |
| Principal products (see Table 8)                                     | 57,346          | 32,214  | 27,574  |
| Other output (see Table 10)  | 579             | 353     | 347     |
| Adjustment for changes in stocks and work in progress (see Table 14) | + 1,351         |         |         |
| Less payment for transport by other firms                            | 59,277<br>4,222 | 32, 567 | 27,921  |
| Gross output (production)  | 55,054          | 32, 567 | 27, 921 |
| Materials and fuel used by firms in this trade                       |                 |         |         |
| Purchases (see Table 13)   | 18,853          | 1       |         |
| Adjustment for changes in stocks (see Table 14)                      | - 186           | 10,054  | 7,966   |
| Materials and fuel used  | 18,668          | 10,054  | 7,966   |

BRICK AND FIRECLAY

Summary, 1948

# TABLE 2 Number of returns Average number of persons emp Males Females Total

(a) Including working proprietors.

### All firms in Great Britain

| As returned by firms  | ter and the second |
|---|--------------------|
| Employing on average more than ten persons (a)                        | 71, 977            |
| Employing on average ten persons or<br>less (b)                       | 1,328              |
|   | 73,305             |
| Estimated average employment in firms not making satisfactory returns | 600                |
| Estimated average employment in all firms                             | 73,905             |

(a) See Tables 1 and 15.(b) See Table 2.

Small firms in Great Britain

|       | ine and | 234    | -3621<br>- 363 |
|-------|---------|--------|----------------|
| ploye | d (a)   |        |                |
|       | 338.2   | 1, 278 | . 688          |
|       | 155 3   | 50     | 256            |
| .81   | 200     | 1, 328 | <u>.</u>       |

### Estimated average employment, 1948

## TREATMENT OF NON-METALLIFEROUS MINING PRODUCTS OTHER THAN COAL

# Analysis by size, 1948

Larger establishments in Great Britain

TABLE 4

|                        | The second s |        |        |                     |              | and and and the |               |                        |  |
|------------------------|--|--------|--------|---------------------|--------------|-----------------|---------------|------------------------|--|
| Average                | Establish-   | Gross  | Net    | Domocra             | a strated as | Remuneratio     | on            | Net output             |  |
| number<br>employed     | ments  | output | output | Persons<br>employed | Wages        | Salaries Total  |               | per person<br>employed |  |
| Contrate of the second | Nc.  | £! 000 | 000ء   | No.                 | 000 ا£       | 000 £           | £'000         | £                      |  |
| 11-24                  | 238  | 2,852  | 1,852  | 4, 419              | 1, 193       | 158             | 1, 351-       | 419                    |  |
| 25-49                  | 356  | 8,870  | 5,921  | 12,803              | 3, 615       | 453             | 4,068         | 462                    |  |
| 50-99                  | 233  | 11,874 | 7,887  | 15,968              | 4, 589       | 594             | 5, 182        | 494                    |  |
| 100-199                | 129  | 13,823 | 9,203  | 17, 363             | 5,096        | 763             | 5,858         | 530                    |  |
| 200-299                | 28   | 5,773  | 3, 701 | 6,753               | 1,974        | 351             | 2, 326        | 548                    |  |
| 300-399                | 11   | 2,841  | 1,845  | 3, 910              | 1,110        | 198             | <b>1,</b> 308 | 472                    |  |
| 400-499                | 7  | 2, 389 | 1,550  | 3,083               | 865          | 172             | 1, 037        | 503                    |  |
| 500-749                | 4  | 2, 429 | 1,298  | 2, 432              | 690          | 126             | 816           | 534                    |  |
| 750 and over           | 5  | 4, 204 | 3,023  | 5, 246              | 1,543        | 361             | 1,903         | 576                    |  |
| Total                  | 1,011  | 55,054 | 36,281 | 71,977              | 20,674       | 3,176           | 23, 851       | 504                    |  |
|                        |  |        |        |                     |              |                 |               |                        |  |

TABLE 5

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| TINKE B                     | Establish-  | Gross           | Net     | output                               | Persons. | Remuneration |                    |        |  |
|-----------------------------|-------------|-----------------|---------|--------------------------------------|----------|--------------|--------------------|--------|--|
| Region                      | ments       | output          | Value   | Percentage<br>of total               | employed | Wages        | Salaries           | Total  |  |
| COLOR TOU                   | No.         | £'000           | £'000   | 0100-<br>010-<br>010-010-<br>010-010 | No.      | ٤'000        | £'000              | £'000  |  |
| England                     | estruce     | neaph 1         |         | offices pulse                        |          |              |                    |        |  |
| Northern                    | 103         | 4,685           | 2,734   | 7.5                                  | 5,564    | 1,571        | 211                | 1,782  |  |
| East and West<br>Ridings of | copuelles . |                 |         |                                      |          |              | 10 1<br>0.50%020 2 |        |  |
| Yorkshire                   | 123         | 6, 338          | 4,232   | 11.7                                 | 7,882    | 2, 309       | 280                | 2, 589 |  |
| North Midland               | 123         | 7,158           | 4, 653  | 12.8                                 | 8,723    | 2,621        | 442                | 3,062  |  |
| Eastern                     | 37          | <b>3,</b> 301   | 2,453   | 6.8                                  | 5,080    | 1, 488       | 259                | 1, 747 |  |
| London and<br>South Eastern | 78          | 4, 131          | 2, 644  | 7.3                                  | 4,748    | 1,382        | 296                | 1,678  |  |
| Southern                    | 41          | 2,024           | 1,450   | 4.0                                  | 3,092    | 933          | 146                | 1,079  |  |
| South Western               | 58          | 1,609           | 1,166   | 3.2                                  | 2,622    | 744          | 88                 | 833    |  |
| Midland                     | 136         | 10, 342         | 6,805   | 18.8                                 | 13,663   | 3, 921       | 631                | 4,552  |  |
| North Western               | 112         | 5 <b>, 1</b> 04 | 3, 394  | 9.4                                  | 7,460    | 2, 131       | 296                | 2, 427 |  |
| Total                       | 680         | 00.00           | A. 42.2 | KO Depression                        | - A BARA | 1961 ( )     | 446                |        |  |
| England                     | 811         | 44,691          | 29,531  | 81.4                                 | 58,834   | 17,100       | 2,651              | 19,751 |  |
| Wales                       | 82          | 3, 308          | 2, 168  | 6.0                                  | 4, 322   | 1, 156       | 181                | 1, 337 |  |
| Scotland                    | 118         | 7,056           | 4,583   | 12.6                                 | 8,821    | 2, 418       | 345                | 2,763  |  |
| Great Britain               | 1,011       | 55,054          | 36,281  | 100.0                                | 71, 977  | 20,674       | 3, 176             | 23,851 |  |

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BRICK AND FIRECLAY

Analysis by standard region, 1948

Larger establishment in Great Britain

TREATMENT OF NON-METALLIFEROUS MINING PRODUCTS OTHER THAN COAL

### Analysis according to specialisation within the trade, 1948

### Larger establishments in Great Britain

### TABLE 6

| Batablish mentsSales of charge outputNet outputRemunerationNet outputmentsGross<br>outputCales of teristic<br>productsNet outputRemunerationRemunerationNet outputMet outputWagesSalariesTotalNo. $\pounds'000$ $\pounds'0000$ $\pounds'0000$ $\pounds'0000$ $\pounds'0000$ $\pounds'0000$ $\pounds'0000$ $\pounds'00000$ $\pounds'00000$ $\pounds'000000$ $\pounds'0000000$ $\pounds'000000000000000000000000000000000000$ |  |       | , <u> </u>      |            |              |        |          | CALCULATION OF THE SECOND |        |        |  |
|---|--|-------|-----------------|------------|--------------|--------|----------|---------------------------|--------|--------|--|
| No.         £'000         £   |  |       | blish-Gross ch. |            |              |        |          |                           |        |        |  |
| Specialist<br>producers of<br>Building bricks<br>(including floor-<br>ing and wall<br>partition blocks)         No.         No. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Wages</td> <td>Salaries</td> <td>Total</td> <td>1-0,00</td>   |  |       |                 |            |              |        | Wages    | Salaries                  | Total  | 1-0,00 |  |
| Others         524         15,374         14,778         10,436         23,403         6,711         766         7,477         446           Roofing tiles of clay         71         3,045         2,508         2,253         4,835         1,418         164         1,582         466           Refractory goods (other than plumbago crucibles)         166         15,583         16,052         9,179         15,627         4,448         826         5,272         587           Sanitary ware (other than cement, concrete or earthenware)         89         8,711         7,962         5,674         11,309         3,234         544         3,777         502           Remainder of the trade         89         6,093         4,028         7,371         2,049         415         2,464         546  | producers of<br>Building bricks<br>(including floor-<br>ing and wall |       | £1000           | £1000      | 00012        | No.    | £1000    | £1000                     | £1000  | £      |  |
| Roofing tiles of<br>clay       71       3,045       2,508       2,253       4,835       1,418       164       1,582       466         Refractory goods<br>(other than<br>plumbago<br>crucibles)       166       15,583       16,052       9,179       15,627       4,446       826       5,272       587         Sanitary ware<br>(other than<br>cement,<br>concrete or<br>earthenware)       89       8,711       7,962       5,674       11,309       3,234       544       3,777       502         Remainder of the<br>trade       89       6,093       4,028       7,371       2,049       415       2,464       546  | Fletton type   | 72    | 6,249           | 7,150      | 4,711        | 9,427  | 2,816    | 462                       | 3,278  | 500    |  |
| clay       71       3,045       2,508       2,253       4,835       1,418       164       1,582       466         Refractory goods<br>(other than<br>plumbago<br>crucibles)       166       15,583       16,052       9,179       15,627       4,446       826       5,272       587         Sanitary ware<br>(other than<br>cement,<br>concrete or<br>earthenware)       89       8,711       7,962       5,674       11,309       3,234       544       3,777       502         Remainder of the<br>trade       89       6,093       4,028       7,371       2,049       415       2,464       546  | Others   | 524   | 15,374          | 14,778     | 10,436       | 23,403 | 6,711    | 766                       | 7, 477 | 446    |  |
| (other than<br>plumbago<br>crucibles)       166       15,583       16,052       9,179       15,627       4,448       826       5,272       587         Sanitary ware<br>(other than<br>cement,<br>concrete or<br>earthenware)       89       8,711       7,962       5,674       11,309       3,234       544       3,777       502         Remainder of the<br>trade       89       6,093       4,028       7,371       2,049       415       2,464       546  |  | 71    | 3,045           | 2,508      | 2,253        | 4,835  | 1,418    | 164                       | 1,582  | 466    |  |
| crucibles)       166       15,583       16,052       9,179       15,627       4,446       826       5,272       587         Sanitary ware<br>(other than<br>cement,<br>concrete or<br>earthenware)       89       8,711       7,962       5,674       11,309       3,234       544       3,777       502         Remainder of the<br>trade       89       6,093       4,028       7,371       2,049       415       2,464       546   | (other than  | 888   | Sao E           | - 04       |              |        | 20/2     | I.S.                      |        |        |  |
| (other than cement, concrete or earthenware)       89       8,711       7,962       5,674       11,309       3,234       544       3,777       502         Remainder of the trade       89       6,093       4,028       7,371       2,049       415       2,464       546  | crucibles)   | 166   | 15,583          | 16,052     | 9,179        | 15,627 | 4,448    | 826                       | 5,272  | 587    |  |
| earthenware)         89         8,711         7,962         5,674         11,309         3,234         544         3,777         502           Remainder of the trade         89         6,093         4,028         7,371         2,049         415         2,464         546  | (other than  | 392   | 037° F          | ha nan a t | Real Provide |        | NS JOL N | 79,801 at.                |        |        |  |
| trade 89 6,093 4,028 7,371 2,049 415 2,464 546  |  | 89    | 8,711           | 7,962      | 5,674        | 11,309 | 3,234    | 544                       | 3, 777 | 502    |  |
| Total         1,011         55,054         36,281         71,977         20,674         3,176         23,851         504  |  | 89    | 6,093           | 6.1        | 4,028        | 7,371  | 2,049    | 415                       | 2,464  | 546    |  |
|   | Total  | 1,011 | 55,054          | 0.0        | 36, 281      | 71,977 | 20,674   | 3,176                     | 23,851 | 504    |  |

(a) Including cost of transport outwards (excluded from gross output).

# Total quantity of clays, etc., raised by firms classified to the trade (a) Larger establishments

| TABLE 7                             |                   |           |                   |  |
|-------------------------------------|-------------------|-----------|-------------------|--|
| Kind of clay, etc., raised          | 1948              | 1935 (c)  |                   |  |
|                                     | Quantity          | Entries   | Quantity          |  |
| Fireclay                            | Th. tons<br>1,106 | No.<br>88 | Th. tons<br>1,262 |  |
| Other clays<br>Brick-earth and clay | . 14,009          | 490       | 21,086            |  |
| Sand and marl                       | 426               | 41        | 1, 131            |  |
| Shale                               | 1, 649            | 77        | 3, 759            |  |
| Other kinds                         | 330               | 36        | 763               |  |
| Silica stone                        | 78                | 12        | 121               |  |
| Total                               | 17,597            |           | 28, 122           |  |

(a) Including clays returned in this trade which were used in making bricks, etc., in the firms' own works but excluding output returned in the Non-Metalliferous Mines and Quarries Trade (Volume 1,

Trade B). (b) Great Britain only.

(c) United Kingdom.

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#### BRICK AND FIRECLAY

|   |       |   | 18 1 008 J          | 1948 (b)<br>Sales | 0.338          | 1937 (c)<br>Production |             | 1935 (c)<br>Production   |            |  |
|---|-------|---|---------------------|-------------------|----------------|------------------------|-------------|--------------------------|------------|--|
|   |       |   | Quantity            | Value             | Entries        | Quantity               | Value       | Quantity                 | Value      |  |
| Bricks, building                        | 715.6 |   | Millions            | £1000             | NO.            | Millions               | £1000       | Millions                 | £1000      |  |
|   |       |   | 8 1 178             | 9.0S              |                |                        |             | v agin .a                |            |  |
| Glazed or enamelled<br>bricks           |       |   | 3.3                 | 154               | 10             | 22.2                   | 427         | 16.7                     | 301        |  |
| Sand-lime bricks                        |       |   | 82.0                | 373               | 17             | 166.6                  | 312         | 114.9                    | 218        |  |
| Of brick-earth,<br>clay or shale        |       |   | 632   52<br>176   5 | 1.50              |                |                        |             | ary presse<br>ries of di |            |  |
| Fletton type                            |       |   |                     | 1, 202            |                |                        |             | eeverig vee              |            |  |
| Common                                  |       |   | 1,360.5             | 5,607             | 63             | 18 11                  | ing asseria | ries of ot               |            |  |
| Facing                                  |       |   | 305.8               | 1,668             | 24             | S. mary .              | C PH2       | 1975                     |            |  |
| Non-Fletton type                        |       |   |                     | -                 |                | 13.                    | (les di oti | t powing t               |            |  |
| Common                                  |       |   | 1, 859. 1           | 9,085             | 481            |                        |             | alte bud a               |            |  |
| Facing                                  |       |   | 486.6               | 3,805             | 292            | ,7,602.6               | 16, 446     | 7, 178.7                 | 15, 390(d) |  |
| Engineering                             |       |   | 148.5               | 1, 291            | 98             |                        | (z) zol     | ta io saro               | rodro      |  |
| Bricks of diatomace<br>earth (including | ous   |   | 1. A. A. B. A.      | minister          |                |                        |             |                          |            |  |
| kieselguhr and<br>infusorial earth)     |       |   | 189<br>957          | 38                | 81.188<br>65.9 |                        |             | eslid 1630               |            |  |
| All other building bricks               |       | { | 113.5               | 681<br>133        | 98             |                        | (35)        | 4.4                      | . 28.      |  |
| 0110110                                 |       | L |                     | 100               | da ult         | /                      |             | 1                        |            |  |
| Total building<br>bricks                |       | K | 4,359.3             | 22,664<br>171     | •••            | 7,791.4                | 17, 185     | 7, 310.3                 | 15, 909    |  |
|   |       |   | Th. tons            |                   | 11. /          | Th. tons               |             | Th. tons                 | COLERACO   |  |
| Clay and terra-cotta                    |       |   | 467                 |                   | 99             | i asis                 | -pipes of   | LITO LENUS               |            |  |
| flooring and wall<br>partition blocks   |       |   |                     |                   |                | tary                   | tes gaingf  | No. 4009- (08            | 1032040    |  |
| Hollow                                  |       |   | 128.9               | 501               | 27             | 137.8                  | 235         | 137.7                    | 196 (e)    |  |
| Solid                                   |       |   | -                   |                   | •••            | • •                    | (1)         | pipos, angle             | (1)        |  |
|   |       |   |                     |                   |                | 1.1                    |             | Constant Constant        |            |  |

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Sales (or production) of the principal products of the trade, including sales (or production) of these products by establishments classified to other trades (a)

### Larger establishments

TREATMENT OF NON-METALLIFEROUS MINING PRODUCTS OTHER THAN COAL

### TABLE 8 (contd.)

|  | 1948 (b)<br>Sales   |  |  |         | 1937<br>Produc                       |          | 1935(c)<br>Production                |                |  |
|--|---------------------|--|--|---------|--------------------------------------|----------|--------------------------------------|----------------|--|
| tast.  | Quant               | ity  | Value  | Entries | Quantity                             | Value    | Quantity                             | Value          |  |
| Roofing tiles of clay  | Millions            | Th. tons   | £1000  | No.     | Millions                             | £1000    | Millions                             | £1000          |  |
| Plain  | 255.0<br>33.5       | 276.7  | 1,800<br>261   | 86      |                                      | -15.200  |                                      |                |  |
| Single lap   | 15.8<br>5.8         | 48.3<br>••   | 410<br>73  | 36      | 715.6<br>Th. tons                    | 2. 275   | 735.6<br>Th. tons                    | 2. 326         |  |
| Ridges, hips, valleys, etc.  | 8.0<br>1.2          | 20.9   | 277<br>43  | 98      | 805.0                                | anal le  | 833.7                                | )              |  |
| Other  | 0.5                 | 1.1  | 18   | 11      |                                      |          | CADITA                               |                |  |
| Quarries and street paving tiles   | - 17<br>- 1840 - 7. |  | 10.St  |         |                                      | ricks    | ad-11me b                            | 2              |  |
| Ordinary pressed flooring<br>quarries of clay  | 72.5<br>16.9        | 63.4   | 631<br>176   | 33      |                                      | ale or   | na sta vala                          |                |  |
| Ordinary pressed flooring<br>quarries of other materials<br>and street paving tiles of<br>clay | 8.2<br>0.5          | 2.3  | 10<br>11   | } 11    | Millions<br>78.1<br>Th. tons<br>92.9 | 315      | Millions<br>66.5<br>Th. tons<br>90.5 | 270            |  |
| Street paving tiles of other materials   | -                   | -  | -  | -       | -                                    | act type | Non-Flott                            |                |  |
| Bacteria bed tiles   | 4.81                | 3.1  | 26   | 7       | 4.0                                  | 16       |                                      |                |  |
| 1. 835.8 10. 446 7. 178.7 15. 391  | 1.2                 | 3.3  | 13   |         | 5 234 F                              | Öllere   | 79.3                                 | 214            |  |
| Other sorts of tiles (g)   | 11.0                | 2.6  | 93<br>69<br>5  | 35      | 75.8                                 | 217      |                                      | NII            |  |
| Total tiles  | 361.2<br>68.9<br>   | 416.2<br>5.7   | 3, 159<br>657<br>95<br>5   | }       | 977.7                                | 2, 823   | 1,003.5                              | 2 <b>,</b> 810 |  |
|  | Th.                 | tons   | a a l'anna   |         |                                      |          |                                      |                |  |
| Flower pots, unglazed  | 1                   | 5.4  | 267<br>64  | 29      | 24.0                                 | 167      | 21.8                                 | 141(h)<br>128  |  |
| Chimney pots   | 1                   | 1.4  | 216<br>41  | } 54    | 17.4                                 | 131      | }                                    | 120            |  |
| Agricultural drain-pipes of clay, unglazed   | 9                   | 9.8  | 457<br>103   | } 106   | 80.9                                 | 223      | 52.0                                 | 111            |  |
| Sanitary ware (excluding sanitary earthenware)   |                     | 1 - Contraction of the second se | 1917 - 19 | . 188   | 4                                    | ENCO     |                                      |                |  |
| Drainpipes, angles, bends,<br>elbows and traps   |                     |  |  | 2357    |                                      |          |                                      |                |  |
| Of clay, stoneware or fireclay,<br>salt-glazed<br>Of other materials (except pre-              |                     | 4.3  | 5,099  | 97      | 561.4                                | 3, 127   | 549.3                                | 2, 197         |  |
| cast concrete)   |                     | 0.1  | 2  | ••:     |                                      | -        | 1000 100000                          |                |  |

# TABLE 8 (contd.)

| TABLE   | TABLE 8 (contd.)   |   |               |                     |            |                        |                      |                                   |               |
|---|--|---|---------------|---------------------|------------|------------------------|----------------------|-----------------------------------|---------------|
| ()<br>202.  |  | Produce   |               | 1948 (b)<br>(Sales) |            | 1937 (c)<br>Production |                      | 1935 (c)<br>Production            |               |
|   |  | Quan  | itity         | Value               | Entries    | Quantity               | Value                | Quantity                          | Value         |
| sani  | ary ware (excluding<br>tary earthenware) (cont<br>er sanitary ware | ta.)  | 385.<br>381   | £'000               | No.        | Th. tons               | £1000                | Th. tons                          | £1000         |
|   | f fireclay, glazed or enamelled                                    | 3388  | 822           |                     | Que 82     | 3/                     | ibbasis ca<br>al cas | in and orl.                       |               |
|   | Baths  | Thous.  | -<br>Th. tons | an balla            | 1.001      |                        | k to the             | inc puinu<br>inc puinu<br>inc t S |               |
|   | Lavatory basins  | 7   | 0.2<br>3.3    | 21<br>411           | <b>1</b> 5 | Rª                     | a said bria          | vietne cili                       |               |
|   | Sinks  | 33<br>Th.                                       | 2.1<br>23.5   | 121<br>1, 103       | } 21       |                        | 52,234 8             | atto ofte                         |               |
|   |  | stalls  | 12            |                     | Y.R.       |                        | (solite )            | Sec Dec Ces                       |               |
|   | Urinals  | 4<br>Thous.                                     | 0.5<br>2.9    | 42<br>210           | } 14       | 75.0                   | 1,641                | 77.6                              | 1,403         |
|   | W.C. Pans  | 24  | 0.5<br>3.9    | 49<br>489           | 18         |                        | er bricks.           | ninted atte                       | posos<br>suse |
|   | Other  | and the second state of the second state of the | tons<br>1.5   | 385                 | 15         | a packs ad             | onicalis an          |                                   |               |
|   | Unclassified   | 14  | ••            | 726<br>426          | } 12       |                        | y bricks             | naostina 1                        | 1020          |
| C   | ther descriptions,<br>except slate urinals                         |   | 1.7           | 19                  | 35.03      | 4.3                    | 30                   | 4.0                               | 31            |
| Pipes and tubes of stone-<br>ware or fireclay for<br>electrical and other<br>purposes, not sanitary<br>ware |  | 7(  | 3.4           | 888                 | 36         | 179.6                  | 940                  | 96.5                              | 460           |
| Refra   | actory goods   | * *   |               |                     | and the    |                        | 0.0000000000         | 10 87500                          |               |
| Fii   | reclay   | i treas   | 821           |                     |            |                        | bio: dt.odd          | ity non in<br>Laforro in          | 11-2          |
| (   | Fround   | 26  | 5.7           | 618                 | 139        | 283.0                  | 268                  | 248.2                             | 216           |
| t   | Inground   | 8   | 6.7           | 128                 | 41         | 146.0                  | 74                   | 122.9                             | 64            |
| Sil   | lica stone   | 21. 683. 1 Ke                                   |               |                     |            | 4                      | 4 GEROOMET           | 1.51 1.8143.04                    | alaona        |
| (   | Fround   | 8'  | 7.4           | 304                 | 16         | 133.8                  | 172                  | 76.8                              | 105           |
| 103 T   | Inground   | Destant and                                     | 7.7           | 5                   |            | 38.0                   | 19                   | 20.2                              | 10            |
|   |  |   |               |                     |            |                        |                      |                                   |               |

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### BRICK AND FIRECLAY

TREATMENT OF NON-METALLIFEROUS MINING PRODUCTS OTHER THAN COAL

# TABLE 8 (contd.)

|  | 1               | 1948 (b) |            | 1937 (          | · ( )       | 1935                    | (0)                    |
|--|-----------------|----------|------------|-----------------|-------------|-------------------------|------------------------|
|  |                 | Sales    | 1          | Product         |             | Product                 |                        |
|  | Quantity        | Value    | Entries    | Quantity        | Value       | Quantity                | Value                  |
| Refractory goods (contd.)  | Th. tons        | 000 1 £  | NO.        | Th. tons        | £'000       | Th. tons                | ٤'000                  |
| Firebricks up to and including<br>bricks of 9 in. x 4½ in.<br>x 3 in.                        | 835.9           | 4, 172   | 155        | 804.2           | 1, 407      | 639.6                   | 1,002                  |
| Firebricks or lumps, including tiles and bricks exceeding 9 in. x $4\frac{1}{2}$ in. x 3 in. | 286.6           | 3,189    | 118        | 332.8           | 1,313       | 297.1                   | 1,045                  |
| Silica bricks up to and<br>including bricks of 9 in.<br>x 4z in. x 3 in.                     | 168.5           | 1,360    | 28         | 182.4           | 646         | 132.1                   | 452                    |
| Silica bricks or lumps,<br>including tiles and bricks<br>exceeding 9 in. x 4½ in.<br>x 3 in. | 115 0           | 1 700    |            |                 | entes       |                         |                        |
|  | 115.9           | 1,366    | 27         | 98.4            | 534         | 72.6                    | 396                    |
| Magnesite bricks   | 23.0            | 628      | 10         | 10.7            | 172         | 7.7                     | 124                    |
| Siliceous bricks and shapes<br>(75-92 per cent. silica)                                      | 34.7            | 270      | 12         |                 | 1 1. 344    | to. tons                | 215                    |
| Insulating bricks for furnace construction   | 20.7            | 5 39     | 19         |                 | 13          | alex<br>Urtante         |                        |
| Chrome bricks  | 5.8             | 109      | 8          | - sengar-       |             |                         |                        |
| Dolomite bricks  | 9.3             | 186      |            | 15.5            | 202         | 8.8                     | 106                    |
| Bauxite and other bricks,<br>shapes and tiles containing<br>over 50 per cent alumina         | 8, 6            | 276      | 10         | -11             |             | 74.7                    | 12.4                   |
| Sillimanite bricks   | 5.2             | 193      | 18         |                 |             | Tenjo                   |                        |
| Other refractory bricks  | 59.5            | 1,252    | 17         |                 | 00          | Louc Long               |                        |
| Total refractory bricks  | 1,573.7         | 13,539   | ••         | 1,444.0         | 4,274       | 1,157.9                 | 3, 125                 |
| 5 30 At 3  | Th. feet        | NE       | 1- 12- 7-4 | Th. feet        | slapins a   | Th. feet                |                        |
| Retorts, fireclay  | 44.1            | 70<br>21 | } 11       | 65.6            | 39          | 69.3                    | 37                     |
| Retorts, silica  | 32.3            | 50<br>7  | } 6        | }               |             | trioal and<br>acess not | DULO<br>PILIO<br>DIENI |
| Other sorts of refractory<br>goods, including refractory<br>cement and plumbago and          |                 |          | 42         |                 | 999(1)      | idous ricon             | 838 (1)                |
| other crucibles  | ••              | 4,758    | 116        |                 |             | 00125                   | ETH                    |
| Unclassified   | 952             | 1 825 1  |            | 688             | 60          | D                       | 83                     |
| Total refractory goods   | 1               | 19,498   | ••         | 16 1 I          | 5,905       | bruionart               | 4, 478                 |
| Architectural terra-cotta and  |                 |          | •          | Th.cu.ft.       |             | Th. cu. ft.             |                        |
| faience, glazed and unglazed,<br>excluding charges for fixing                                | ••              | 87       | 12 {       | 507.6           | 192<br>45   | 480.1                   | 177<br>21              |
| Bath bricks, hearth stones<br>and the like   | Th. tons<br>1.5 | 21<br>29 | } 5 {      | Th. tons<br>3.0 | 11(e)<br>10 | Th. tons<br>4.2         | 26(e)<br>11            |
| Graphite, ground, flaked, etc. (e)   | 2.2             | 130      | ••         | _               | _           |                         |                        |
| DS 22558/1   | 4               |          | 1          | 1               | - 1         |                         |                        |

|   |   |  | 1948 (b)<br>Sales                             |  | 1937 (c)<br>Production                  |                    | 1935 (c)<br>Production |                    |           |
|---|---|--|---|--|---|--------------------|------------------------|--------------------|-----------|
|   |   | Qua  | ntity   | Value  | Entries                                 | Quantity           | Value                  | Quantity           | Value     |
|   | un units that more  | Th.  | tons  | £'000  | No.                                     | Th. tons           | £1000                  | Th. tons           | £1000     |
| lay:<br>fire                                  | s, etc., sold (other than<br>eclay and silica stone)  | { 1  | 34.7  | 207<br>111   | } 112 <                                 | 300.7              | 113<br>30              | 228.3              | 81        |
| laste   | e products  |  | •• .  | 96   | 264                                     | 1                  | (j)                    |                    | (j)       |
| inc   | done for the trade,<br>Luding fixing architectural<br>ra-cotta and faience (k)  | - Por  |   | 101  | 32                                      |                    | 41<br>(1)              | İnfhiluş           | 22 (      |
|   | Total   |  |   | 58,673   | ••                                      | 9 010              | 32, 849                | .dJTB0-spi         | 28,202    |
|   | Less sales (or production)<br>in other trades<br>(see Table 9)  | a.   |   | 1,327  | -1                                      |                    | 635                    | tion type,<br>othe | 628       |
|   | Total principal products of<br>this trade sold or made by<br>establishments in the trad   | 1.84   | 08  | 57,346   | 939                                     |                    | 32,214                 | nomine             | 27,574    |
| (c)   | United Kingdom.   | 11   | 1 16  |  |   |                    |                        |                    |           |
| (1)   |   |  |   |  | turned on a                             | a a b a dull a a f | on the Dud             | 1 dinm and         |           |
| (u)   | Including 18.0 million bric<br>ing Trade which was not co   |  |   |  |   | schedules f        | or the Bui             | lding and (        | Contract- |
|   |   | overed 1   |   |  |   | schedules f        | or the Bui             | lding and (        | Contract- |
| (e)   | ing Trade which was not co  | overed 1   |   |  |   | schedules f        | or the Bu <b>i</b>     | lding and (        | Contract- |
| (e)<br>(f)                                    | ing Trade which was not co<br>So far as recorded separate   | ely.<br>ely.   | by the  | 1937 Inqui<br>nd tiles f   | ry.                                     |                    |                        |                    |           |
| (e)<br>(f)<br>(g)                             | ing Trade which was not co<br>So far as recorded separate<br>Not recorded separately.<br>Excluding glazed wall and h  | ely.<br>hearth<br>ume 1,                                       | by the<br>tiles an<br>Trade                   | 1937 Inqui<br>nd tiles f<br>G).  | ry.<br>or tessella                      |                    | nts, for w             | which see t        | ne China  |
| (e)<br>(f)<br>(g)<br>(h)                      | ing Trade which was not co<br>So far as recorded separate<br>Not recorded separately.<br>Excluding glazed wall and h<br>and Earthenware Trade (Vol  | ely.<br>hearth<br>tume 1,                                      | tiles and ter                                 | 1937 Inqui<br>nd tiles f<br>G).<br>ra-cotta w                                    | ry.<br>or tessella                      |                    | nts, for w             |                    | ne China  |
| (e)<br>(f)<br>(g)<br>(h)<br>(1)               | ing Trade which was not co<br>So far as recorded separate<br>Not recorded separately.<br>Excluding glazed wall and h<br>and Earthenware Trade (Vol<br>Including some other red po   | ely.<br>hearth<br>tume 1,                                      | tiles and ter                                 | 1937 Inqui<br>nd tiles f<br>G).<br>ra-cotta w                                    | ry.<br>or tessella                      |                    | nts, for w             | which see th       | ne China  |
| (d)<br>(f)<br>(g)<br>(h)<br>(1)<br>(j)<br>(k) | ing Trade which was not co<br>So far as recorded separate<br>Not recorded separately.<br>Excluding glazed wall and h<br>and Earthenware Trade (Vol<br>Including some other red po<br>Including some cement other                  | ely.<br>hearth<br>ume 1,<br>ottery<br>r than                   | tiles and<br>Trade<br>and ter<br>refract      | 1937 Inqui<br>nd tiles f<br>G).<br>ra-cotta w<br>ory.                            | ry.<br>or tessella<br>are.              |                    | nts, for w             | which see th       | ne China  |
| (e)<br>(f)<br>(g)<br>(n)<br>(1)<br>(j)        | ing Trade which was not co<br>So far as recorded separate<br>Not recorded separately.<br>Excluding glazed wall and h<br>and Earthenware Trade (Vol<br>Including some other red po<br>Including some cement other<br>Not recorded. | ely.<br>hearth<br>ume 1,<br>ottery<br>than<br>amount<br>archit | tiles and ter<br>refract<br>receiv<br>ectural | 1937 Inqui<br>nd tiles f<br>G).<br>ra-cotta w<br>ory.<br>ed in 1937<br>terra-cot | ry.<br>or tessella<br>are.<br>and 1935. | ated paveme        | nts, for w             | which see th       | ne China  |

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### TREATMENT OF NON-METALLIFEROUS MINING PRODUCTS OTHER THAN COAL

# Sales (or production) of principal products of the trade by establishments classified to other trades

### Larger establishments

### TABLE 9

| TADLE 9  |   |                             | A Contraction                  | l                               |  | <b>F</b>                           |       |
|--|---|-----------------------------|--------------------------------|---------------------------------|--|------------------------------------|-------|
|  | 1948 (<br>Sales   |                             | 18.5                           | 1937 (<br>Product               |  | 1935 (b<br>Producti                |       |
|  | Quantity  | Value                       | Entries                        | Quantity                        | Value  | Quantity                           | Value |
| and a stand of the stand of the stand  | Millions  | 2'000                       | NO.                            | Millions                        | £'000  | Millions                           | £1000 |
| Bricks, building   | Se Nor  | 1.28                        |                                | ttectural<br>a fig              | tin srop   | ndina (ir)<br>realiza-             |       |
| Of brick-earth, clay or shale  |   |                             |                                |                                 |  |                                    |       |
| Fletton type, common or facing   | 5.1   | 24                          | 12                             |                                 | orial of the second sec | olea casi<br>Tento at              |       |
| Non-Fletton type   | ] 5644  |                             |                                |                                 | 19 %   | daT ees)                           |       |
| Common   | 10.1  | 50                          | 13                             |                                 | ol pol p<br>le sold<br>ments l   | todel pru<br>shie tra<br>ostebilis |       |
| Engineering  |   | 1 -                         | -                              | 4.1                             | 5  | 19.6                               | 56    |
| All other building bricks except<br>glazed, enamelled or sandlime<br>bricks, including non-Fletton   | tets see the Bullding<br>ing limited th the   |                             | coment<br>so in th<br>in the r | o ure<br>ses înclui<br>heseloni | a, tiles<br>s produ  | For Drick<br>The quar<br>They will |       |
| type facing bricks of brick-<br>earth, clay or shale and bricks {<br>of diatomaceous earth   | 0.7   | 6<br>17                     | }                              |                                 | ing nis:   | Treat and                          | (9)   |
| Total building {<br>bricks   | 15.8  | 80<br>17                    | } ••                           | 4. 1                            | 5  | 19.6                               | 56    |
| Cilitanite anicht<br>Ciner oreige ierr beiero  | 3.4 (80<br>(46.8) (468  |                             | -33                            | Th.tons                         |  | Th.tons                            |       |
| Roofing tiles of clay, other than plain  | clies for_reschilder  | 986 <u>-</u> 969<br>19 -969 | to diffuse                     | title (1 East                   |  | onfilitations<br>Participations    |       |
| Other sorts of tiles (except   | Millions Th.tons  | enres i                     | trees, an                      | tor rod p                       |  | a factoria                         |       |
| street paving tiles of<br>materials other than clay<br>and bacteria bed tiles)<br>including plain roofing tiles<br>of clay, ordinary pressed | 14.1 22 .8<br>30.2  | 1000873                     | tinan Te                       | > 4.6                           | 47   | antitriani<br>access cole          |       |
| flooring quarries of clay<br>and other materials, and<br>street paving tiles of<br>clay  | 7.2 6.9   | 59<br>5                     |                                | 1948 and<br>aixii 10<br>for the |  | ><br>3.3                           | 36    |
| Bacteria bed tiles   |   | -                           |                                |                                 | -  |                                    |       |
| Total tiles {  | Th.tons<br>6.9<br>••  | 59<br>5                     | }                              | 4.6                             | 47   | 3. 3                               | 36    |
|  | and the second se |                             |                                |                                 |  | the thready in                     |       |

#### . . . TABLE 9

|   |                         | 1948 (a)<br>Sales |         | 1937<br>Produc | (b)<br>tion              | 1935<br>Produ            |                                  |
|---|-------------------------|-------------------|---------|----------------|--------------------------|--------------------------|----------------------------------|
|   | Quantity                | Value             | Entries | Quantity       | Value                    | Quantity                 | Value                            |
|   | Th. tons                | £'000             | No.     | Th. tons       | £'000                    | Th. tons                 | £'000                            |
| Flower pots, unglazed   | 1.0                     | 24                |         | 1.4            | 10                       | 2.8                      | 19                               |
| Chimney pots; and agricultural<br>drainpipes of clay, unglazed  | 0.1                     | 1                 | ••      | 2.9            | 19                       |                          | 1                                |
| Sanitary ware (excluding sanitary earthenware)  |                         |                   |         | -              | inspect,                 | Contraction of           |                                  |
| Drainpipes, angles, bends,<br>elbows and traps of materials<br>other than clay, stoneware or<br>fireclay, salt-glazed (except<br>pre-cast concrete)                       |                         | _                 |         |                | and other                | a plusibag               |                                  |
| Of fireclay, glazed or enamelled  |                         |                   |         |                | bous inco<br>point in co | inaco entra<br>charges 1 | a a rano bela<br>artificati fano |
| Baths<br>W.C. Pans  | Thous.<br>23<br>Th.tons | 47                | -       |                | Cones and                | dinanit                  |                                  |
| Land Land   | 0.5                     | P                 |         | 38.3           | 409                      | 28.7                     | EAN                              |
| Other descriptions (except<br>slate urinals) including<br>drainpipes, angles, bends,<br>elbows and traps of clay<br>stoneware or fireclay, salt-<br>glazed, and other and |                         |                   |         |                | 409                      | 20.1                     | 317                              |
| unclassified sanitary ware<br>of fireclay, glazed or<br>enamelled, including  |                         |                   |         |                |                          | sois al? .               | 100.100" 70                      |
| lavatory basins sinks and<br>urinals  | 11.5                    | 280               | ••      |                |                          |                          |                                  |
| Firebricks up to and including bricks of 9 in. $x 4\frac{1}{2}$ in. $x 3$ in.   | 19.2                    | 94                | 10      | -              | -                        | 0.5                      | 1                                |
| Firebricks or lumps, including<br>tiles and bricks exceeding 9 in.<br>$x 4\frac{1}{2}$ in. $x 3$ in.  | 5. 2                    | 58                | 8       | 0.9            | 2                        | 0.5                      | 2                                |
| Total refractory<br>bricks  | 24.4                    | 153               | •••     | 0.9            | 2                        | 1.0                      | 3                                |
| Retorts, fireclay; and graphite, ground, flaked, etc.   | ••                      | 80                | 5       | -              | _                        | _                        | -                                |

1

BRICK AND FIRECLAY

TREATMENT OF NON-METALLIFEROUS MINING PRODUCTS OTHER THAN COAL

### TABLE 9 (contd.)

| ocicitate Freedorian   | 1948 (a)<br>Sales |         |         | 1937<br>Produc |                             | 1935 (b)<br>Production |          |
|--|-------------------|---------|---------|----------------|-----------------------------|------------------------|----------|
|  | Quantity          | Value   | Entries | Quantity       | Value                       | Quantity               | Value    |
| 1 1 1  | 2.15              | £1000   | No.     | 1-1-1-1        | £'000                       | ash a fur A            | £1000    |
| Retorts, silica  |                   | -       | -       |                | are at Lab Pro              | - 1- 10                |          |
| Refractory goods not elsewhere<br>specified, other than<br>refractory bricks, shapes,<br>etc., including refractory<br>cement and plumbago and other | 913               |         |         | ••             | 26                          |                        | 96       |
| crucibles  | ••                | 570     | 20      |                | a presentes<br>11 presentes | entre allege           |          |
| Unclassified refractory goods  | -                 | 0.000 - |         | ••:            | 60                          |                        | 53       |
| Architectural terra-cotta and<br>faience, glazed and unglazed,<br>excluding charges for fixing   | ••                | 9       |         |                | 45 {                        | Th.cu.ft.<br>26.9<br>  | 23<br>21 |
| Bath bricks, hearth stones and the like  | -                 | -       | -       | -              | 5                           | ••                     | 3        |
| Work done for the trade,<br>including fixing architectural<br>terra-cotta and faience (c)  |                   | 2       | ••      | s.m            | 7                           |                        | -        |
| Total  |                   | 1, 327  | ••      |                | 635                         |                        | 628      |

(a) Great Britain only.

(b) United Kingdom.

(c) Amount charged in 1948 and amount received in 1937.

### TABLE IO

| Balan et tola   |  |
|---|--|
| Printer and shares  |  |
| Glazed tiles (including tiles for tessellated pavements)  |  |
| Slabbed work and other tile and mosaic work   |  |
| Stoneware, brown and yellow ware  | Contraction of the local distance of the loc |
| Red pottery and terra-cotta ware, glazed and<br>unglazed (other than architectural,<br>chimney pots and unglazed flower pots) |  |
| Pre-cast concrete goods   |  |
| Porcelain, earthenware or stoneware for<br>industrial purposes (including electrical<br>ware)                                 | and the second second second second  |
| Other goods   |  |
| Work done   |  |
| ties, construction and construction   | t  |
| Total   |  |
| (a) Great Britain only.   | -  |
|   |  |

(b) United Kingdom.

(c) Included with flower pots, unglazed, and chimney pots, see Table 8.

(d) Including some cement goods.

(e) Amount received.

BRICK AND FIRECLAY

Sales (or production) in the trade of other than principal products

# Larger establishments

| and the second second second |          |                        | and the second |
|------------------------------|----------|------------------------|---|
| 1948<br>Sale                 |          | 1937 (b)<br>Production | 1935 (b)<br>Production  |
| Quantity                     | Value    | Value                  | Value   |
| Th.sq.yds.                   | £1000    | £' 000                 | £' 000  |
| 75.3<br>Th.cwts.<br>31.0     | 80       | 114                    | 110   |
| ••                           | 170      | 61                     | 67  |
| 10.8                         | 45       | 33                     | 24  |
| 59.0<br>Th.tons              | 45<br>36 | } 28                   | (c)   |
| 16.5<br>Th.cwts.             | 99       | 32(d)                  | 55(d)   |
| 9.9                          | - 36     | Anti tor-septem        | 2.517-2   |
|                              | 69       | 74                     | 91  |
|                              | - (2)    | 11(e)                  |   |
| sa, public un<br>pressings   | 579      | 353                    | 347   |

TREATMENT OF NON-METALLIFEROUS MINING PRODUCTS OTHER THAN COAL

#### Analysis of sales, 1948

Larger establishments in Great Britain

| TABLE II |
|----------|
|----------|

|  | Sales            | Percentage<br>of total<br>sales |
|--|------------------|---------------------------------|
| Sales (or transfers) to other organisations under the same control   | £1000            |                                 |
|  |                  | i gran                          |
| Productive works   | 1,700            | 2.9                             |
| Export sales organisations (including branches abroad)   | 221              | 0.4                             |
| Other wholesale or selling organisations   | 2, 234           | 3.9                             |
| Retail shops, etc.   | anta wellow were | ment armine                     |
| Total sales (or transfers) to other organisations under<br>the same control  | 4, 155           | 7.2                             |
| Sales to independent buyers  | 8003             | erices concrete                 |
| Exports invoiced directly overseas   | 1, 546           | 2.7                             |
| Exports invoiced to Crown Agents and purchasing houses in<br>this country of individual firms and governments abroad | 612              | 1.1                             |
| His Majesty's Government and Local Authorities (other than productive establishments)                                | 2,753            | 4.8                             |
| Manufacturers, repairers, builders, mines, public utilities,<br>and transport and other productive undertakings      | 29,907           | 51,7                            |
| Wholesalers, merchants and other agents for resale   | 18,032(a)        | 31.2                            |
| Retailers, including multiple shops, caterers and N.A.A.F.I.,<br>for resale  | 170              | 0.3                             |
| Other businesses (including farmers) and institutions of all kinds   | 574              | 1.0                             |
| Members of the public, including employees   | 77               | 0.1                             |
| Total sales to independent buyers  | 53, 671          | 92.8                            |
| Total  | 57,826           | 100.0                           |

(a) Of this total £14, 108,000 was recorded as divided between £928,000 for export and £13, 180,000 for other sales.

Production, exports and imports

TABLE 12 ſ1948 Bricks, building 1937 1948 Roofing tiles of clay 1937 Quarries and street paving tiles, other ∫1948 1937 than of pre-cast concrete Other tiles (except glazed wall and 11948 hearth tiles and tiles for 1937 tessellated pavements) (g) Agricultural drainpipes of clay, unglazed, and sanitary drainpipes, angles, bends, ſ1948 elbows and traps other than of precast 1937 concrete Other sanitary ware ∫1948 Of fireclay, glazed or enamelled 1937 {1948
1937 Other descriptions, except slate urinals and sanitary earthenware Refractory goods Bricks, lumps and tiles \$1948 Firebricks 1937 \$1948 Other 1937 Other sorts of refractory goods (except fireclay and silica stone), including fireclay and silica retorts, refractory cement and plumbago and other 1948crucibles (1) 1937 (a) Figures of sales or production refer only to larger establishments in Great Britain (1948) or the the table. The figures, therefore, are not strictly comparable. Sales in 1948 and production for sale in 1937. (b) (c) Including sales (or production) by establishments classified to other trades. (d) Valued f.o.b. Valued c.i.f. (e) (f) Partly estimated. (g) The oversea trade figures include tiles for tessellated pavements. (h) Re-exports in excess of imports.

(1) The oversea trade figures do not include refractory cement.

BRICK AND FIRECLAY

of certain principal products (a)

|                   | 2049 (2)43             | to an   |                         |
|-------------------|------------------------|---|-------------------------|
|                   | t state i i i i i i    | 1997 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - |                         |
|                   | Production (b)(c)      | Exports (d)   | Retained<br>imports (e) |
| Standa -          | Millions<br>4,383.7(f) | Millions<br>2.7   | Millions<br>6.3         |
| 1                 | 7.791.4                | 1.7   | 193.3                   |
|                   | Th. tons               | Th. tons  | Th. tons                |
|                   | 399. 0(f)              | 2.7   | 8.9                     |
| and the second    | 805.0                  | 1.4   | 27.4                    |
|                   | 84.6(f)                | 1.6   | 0.4                     |
| - and -           | 92.9                   | 1.0   | 0.3                     |
| A Low Low Low Low | 01000                  | 01000   | 01.000                  |
|                   | £'000<br>206           | £1000<br>70   | 000 ئ£<br>8             |
|                   | 233                    | 22  | 13                      |
|                   |                        |   | 10                      |
|                   | Th. tons               | Th. tons  | Th. tons                |
|                   | 536.7(f)               | 26.9  | -                       |
|                   | 642.3                  | 10.2  | 1.3                     |
|                   | £1000                  | £'000   | £'000                   |
|                   | 3,984                  | 574   | BUXINE                  |
|                   | 1,641                  | 138   | 55                      |
|                   | Th.tons<br>1.7         | Th. tons  | Th. tons                |
|                   | 4.3                    | -   | (h)                     |
|                   | .10                    | ots for glass to  | They are not as they    |
|                   |                        |   |                         |
|                   | 256                    | STREETING BUILDING  | Contra Canada Sera      |
|                   | 1, 122. 5              | 90.9  | 1.7                     |
|                   | 1,137.0                | 119.3   | 0.7                     |
|                   | 451.2                  | 13.6  | 0.3                     |
|                   | 307.0                  | 7.0   | 13.8                    |
|                   | The P. T. U.           |   | 2 y - 4 x               |
|                   | £!000                  | so<br>£!000   | £'000                   |
|                   | 4,905                  | 684   | 21                      |
|                   | 4,905                  | 273   | 11                      |
|                   | 1,000                  |   |                         |

United Kingdom (1937). All recorded exports from and imports into the United Kingdom are given in

TREATMENT OF NON-METALLIFEROUS MINING PRODUCTS OTHER THAN COAL

## Purchased materials and fuel

Larger establishments

### TABLE 13

|   |                       | 1                      |              |                        |                        |                               | A CONTRACTOR OF A CONTRACT |
|---|-----------------------|------------------------|--------------|------------------------|------------------------|-------------------------------|----------------------------|
|   |                       | 1948                   | (a)          | 1937                   | (b)                    | 1935                          | (b)                        |
| Experts (4) thereas and   |                       | Material<br>fuel pur   |              | Usage of pu            | rchased ma             | terials and                   | fuel                       |
| Millions · · · · · · · · · · · · · · · · · · ·                    |                       | Quantity               | Cost         | Quantity               | Cost                   | Quantity                      | Cost                       |
| Materials   | n                     | Th. tons               | £1000        | Th. tons               | £1000                  | Th. tons                      | £1000                      |
| Brick-earth, clay or shale  | •                     | 2,611.0                | 541          | 4,710.6                | 354                    |                               | in the second              |
| Fireclay  |                       | 1,168.3                | 1,390        | 1,777.1                | 702                    | 17285-923                     | e unio                     |
| Silica stone  |                       | 370.3                  | 446          | 286.4                  | 195                    | los (excep                    | T. RANGE                   |
| Magnesite   |                       | 40.5                   | 624          | 1                      | 1001 1001              | Contact Track                 | Contract.                  |
| Chrome  |                       | 60.8                   | 561          | Less form              | in the near            | interio Lordi<br>Linto Cristi | lun hage.                  |
| Dolomite  | {                     | 97.1                   | 47<br>52     | >1,851.1               | 591 (d)                | •• :                          | <b>3, 73</b> 2(c)          |
| Bauxite   |                       | 2.3                    | 25           | - Least                | man and the            | ALLER WAR                     | and the second             |
| Sillimanite, kyanite and andalusite                               |                       | 10.8                   | 128          | - anali                | gien<br>6. excepto     |                               | 11010                      |
| Glaze or materials for glaze                                      | {                     | 8.5                    | 102<br>67    | 7.1                    | 54<br>21               | ese ada esa<br>esecas tra     | 212722<br>31212723/75      |
| All other purchased materials                                     |                       |                        | 4,924        | ••                     | 2,641                  | has same?                     | Binthat                    |
| Fuel and electricity  |                       | and the state          | ND GIT       |                        | tes aque es            |                               |                            |
| Coal  |                       | 3,105.7                | 7,854        | 4,979.7                | 4,505                  | 4,645.1                       | 3, 627                     |
| Coke  | -<br>                 | 100.0                  | 343          | ••                     | (e)                    | 92.7                          | <b>8</b> 8                 |
| Electricity purchased (f)   | and the second second | Th.B.T.U.<br>(KW.hrs.) |              | Th.B.T.U.<br>(kW.hrs.) | rafilitari<br>1119 pan | Th.B.T.U.<br>(kW.hrs.)        | 1742200<br>172300          |
| From public supply  |                       | 202, 352               | 953          | Date price and         |                        |                               |                            |
| From other sources  | and and a second      | 15, 27 1               | 67           | 220,893                | 609                    | 164,246                       | 458                        |
| Electricity obtained from other<br>works under the same ownership | angros<br>Dansel      | 15, 565                | 63           |                        | Augif an               | itted Strado                  |                            |
| Motor spirit (petrol) and derv. fuel                              | -97. B.2              | Th.galls.              | ente i Iried | action 18              | 1933.36                | alas aniosis<br>marit paus    |                            |
| Used for road vehicles  |                       | 2,867                  | 255          | h                      | (e)                    | and c.i.i.                    | (0)                        |
| Used for other power purposes                                     | e de l'était e a      | 1, 418                 | 96           |                        |                        |                               | (e)                        |
| Other oil fuel (including creosote/pitch mixtures)                | {                     | 3, 589                 | 152<br>21    | Th.galls.<br>3,717     | 83(g)                  | Th.galls.<br>.2,930           | 61(g)                      |
| DC 99558/1  | •                     |                        |              |                        |                        |                               |                            |

TABLE 13 (contd.)

|   | 1948                  | 1948 (a)<br>Materials and<br>fuel purchased |                     | 1937 (b)                              |                     | 1935 (b)  |  |
|---|-----------------------|---|---------------------|---------------------------------------|---------------------|-----------|--|
|   |                       |   |                     | Usage of purchased materials and fuel |                     |           |  |
|   | Quantity              | Cost  | Quantity            | Cost                                  | Quantity            | Cost      |  |
|   | Th. therms            | £1000                                       | in the three shares | £1000                                 | Construction of the | £1000     |  |
| lel and electricity (contd.)                              | 8.820                 |   | A Line 1            |                                       | and show the        | Lana.     |  |
| Gas purchased   | 2,985                 | 69  |                     |                                       |                     |           |  |
| Gas obtained from other works<br>under the same ownership | 9.465<br>1.01.1 - 165 | -   |                     | 299                                   |                     | (e)       |  |
| All other purchased fuel                                  |                       | 75  |                     | 4.044                                 | 4,350               | Salence . |  |
| Total   |                       | 18,853                                      |                     | 10,054                                |                     | 7,966     |  |

#### (a) Great Britain only.

- (b) United Kingdom.(c) Including fuel not specified separately.
- (d) Described as "Other raw materials".
  (e) Not recorded separately.

(f) The total quantity of electricity consumed in 1948 was 315,240,000 B.T. units including 82,053,000 generated in the same works.

(g) Described as "Heavy fuel oil".

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TREATMENT OF NON-METALLIFEROUS MINING PRODUCTS OTHER THAN COAL

#### Stocks of finished products and work in progress and stocks of materials and fuel, 1948

#### Larger establishments in Great Britain

#### TABLE 14

|  | At beginning                | of year           | At end of year              |            |  |
|--|-----------------------------|-------------------|-----------------------------|------------|--|
|  | Quantity                    | Value             | Quantity                    | Value      |  |
| Finished products                                      | Millions                    | £† 000            | Millions                    | £'000      |  |
| Building bricks of brick-earth, clay or shale          | 418.8                       | 1.169             | 519.5                       | 1,622      |  |
|  | 25.4                        |                   | 72.7                        | 1,022      |  |
| Roofing tiles of clay                                  | Th.tons<br>34.9<br>Millions |                   | Th.tons<br>94.4<br>Millions | 396        |  |
|  | 17.1                        | <b>1</b> 05 {     | 42.6                        | - 167      |  |
| Sanitary ware  | Th.tons                     |                   | Th.tons                     |            |  |
| Drainpipes, angles, bends, elbows and { traps          | 54.7                        | 360<br>5 <b>1</b> | 82 <b>.</b> 8               | 538<br>80  |  |
| Other sanitary ware of fireclay, glazed { or enamelled | 4.7                         | 126<br>122        | 6.0                         | 149<br>136 |  |
| Firebricks, lumps and tiles                            | 102.7                       | 391               | 100.9                       | 396        |  |
| Other finished products                                |                             | 655               | to toring 1ad               | 847        |  |
| Work in progress                                       | Lange and                   | 1,172             |                             | 1, 327     |  |
| Total finished products and work in progress           |                             | 4,306             |                             | 5,657      |  |
| Materials and fuel                                     | Th. tons                    | 1.17 A.15         | Th. tons                    | Det Jackin |  |
| Brick-earth, clay or shale                             | 585.0                       | 160               | 661.6                       | 193        |  |
| Fireclay   | 569.9                       | 327               | 650.5                       | 422        |  |
| Coal   | 275.0                       | 656               | 193.4                       | 481        |  |
| Other descriptions of materials and fuel               | ••                          | 1,612             | ••                          | 1,843      |  |
| Total materials and fuel                               |                             | 2,754             |                             | 2, 939     |  |

#### TABLE 15

| TABLE TO              |                                 |          |            |   |          |          |                     | and the second second | 1.10     |
|-----------------------|---------------------------------|----------|------------|---|----------|----------|---------------------|-----------------------|----------|
| ni bisq n             | Average number of<br>operatives |          |            | Administrative, technical<br>and clerical employees (b) |          |          | Total               |                       |          |
|                       | 1948 (c)                        | 1937 (d) | 1935 (d)   | 1948 (c)  | 1937 (d) | 1935 (d) | 1948 (c)            | 1937 (d)              | 1935 (d) |
| Males                 | 11202 220                       | 1219 134 | 1990()<br> | 100 2000  |          | 00000    |                     |                       |          |
| Under 18              | 3,813                           | 12,513   | 11,089     | 214   | 450      | 297      | 4,027               | 12,963                | 11,386   |
| All ages              | 60,448                          | 85,326   | 81, 801    | 5,381   | 5, 167   | 4,776    | 65,829              | 90,493                | 86, 577  |
| Females               | asan itera                      | nas ente | 142<br>142 | +                 |          |          |                     | - SET                 |          |
| Under 18              | 427                             | 888      | 708        | 300   | 177      | 99       | 727                 | 1,065                 | 807      |
| All ages              | 4,479                           | 4,376    | 4,145      | 1,612   | 984      | 851      | 6,091               | 5,360                 | 4,996    |
| 6.001 Joye            | ×60                             | 38       | Eabler     | O-AS  | 14,674   | 188,861  |                     |                       | isa di   |
| Total<br>Under 18     | 4,240                           | 13,401   | 11,797     | 514   | 627      | 396      | 4,754               | 14,028                | 12,193   |
| All ages              | 64,927                          | 89,702   | 85,946     | 6,993(e)  | 6,151    | 5,627    | 71,920<br>(e)(f)(g) | 95,853                | 91,573   |
|                       | £1000                           |          |            | £1000   |          |          | £:000               |                       |          |
| Total<br>remuneration | 20,674                          | ••       | ••         | 3,176   | •• •     | ••       | 23,851              | • •                   | ••       |

(a) Excluded employees. The following numbers were employed at establishments in this trade but are not included in the table or in any other report (e.g., employees in a separate selling or transport organisation for which separate accounts are kept):-

(b) Number at September 25 1948, October 16, 1937, and October 12, 1935.

(c) Great Britain only.

(d) United Kingdom.

 (e) There were, in addition, 57 working proprietors (54 males and 3 females) in 1948. Working proprietors are included in the 1937 and 1935 figures. (f) The employers' share of contributions to all National Insurance Schemes payable during the year in

respect of these workers amounted to £600,000.

(g) The following persons (included in this total) were employed on special work by establishments employing 100 or more persons: -

#### Transport of goods outside the premises

Maintenance and repair of firms' buildings, but not plant

Research work not directly connected with current production however charged

In addition to the employees in the above table the firms in this trade employed 5 male and 1 female Outworkers in 1948, the amount paid to them being £1,000. Similar information is not available for 1937 and 1935. DS 22558/1

BRICK AND FIRECLAY

Employment and remuneration (a)

Larger establishments

Canteen workers 84 males 426 females

Other workers 355 males 67 females

Administrative, technical and clerical employees

Operatives 1,040

423

2

39

TREATMENT OF NON-METALLIFEROUS MINING PRODUCTS OTHER THAN COAL

Wages and salaries paid, 1948 (a)

Larger establishments in Great Britain

#### TABLE 16

|   | Amount                        | Establishments making returns for the calender year |   |                   |                                |                   |       |  |
|---|-------------------------------|---|---|-------------------|--------------------------------|-------------------|-------|--|
|   | paid                          | l Amount<br>ish- paid                               | Percentage of annual remuneration paid in |                   |                                |                   |       |  |
| 1948 (6) (31-10) 1986 (4)   | by all<br>establish-<br>ments |   | First<br>quarter                          | Second<br>quarter | Third<br>quarter               | Fourth<br>quarter | Year  |  |
| Wages and salaries of<br>Operatives<br>Administrative,<br>technical and<br>clerical employees | £'000<br>20,674<br>3,176      | £'000<br>12,742<br>1,932                            | 24.1<br>23.6                              | 24.7<br>24.0      | 25 <b>.</b> 1<br>24 <b>.</b> 8 | 26.0<br>27.5      | 100.0 |  |
| Total   | 23, 851                       | 14,674  | 24.0                                      | 24.7              | 25.1                           | 26.2              | 100%0 |  |

(a) Including bonus and commission payments.

# TABLE 17 - Payments for work done on materials given out, 1948 Larger establishments in Great Britain

The total amount paid for work done on materials given out was £24,000.

TABLE 18

Repair and maintenance Of buildings Of plant, machinery and vehicles Unclassified Hire of plant, machinery and vehicles Advertising and market research Advertising in newspapers, magazines and periodi

Other advertising services (poster display, desp circulars, etc.) and market research

Unclassified

Payments made for research work

/To research associations

To universities, institutions, academic bodies similar agencies

/ To other commercial concerns

Postage, telephone, telegrams and cables

Commercial insurance premiums

Rates (excluding water rates) payable in the year

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BRICK AND FIRECLAY

1/F/23

# Payments for certain services, 1948

### Larger establishments in Great Britain

| A I protocol by House I is     | Amount paid              |
|--------------------------------|--------------------------|
| 1867                           | £1000                    |
| Confer and Line and Conference | 50,154                   |
|                                | 184                      |
|                                | 572                      |
|                                | 778                      |
|                                | 452                      |
|                                | 2.103                    |
| icals                          | 23                       |
| patch of                       | 325 1 - 304              |
| dennes 1 composition           | 8                        |
|                                | 55                       |
|                                | then Capiton Destination |
|                                | 22                       |
| and                            |                          |
|                                | 13                       |
|                                | Sutma (111)              |
|                                | 149                      |
|                                | 286                      |
| 10 heading 8                   | 152                      |
| A DES I ESSELLESI IC.          | ICIDI                    |

TABLE 20

TREATMENT OF NON-METALLIFEROUS MINING PRODUCTS OTHER THAN COAL Plant, machinery and vehicles acquired and disposed of, 1948 Larger establishments in Great Britain

TABLE 19

| Leonal              | Acquis | Disposals   |           |  |
|---------------------|--------|-------------|-----------|--|
|                     | New    | Second-hand | Dispusais |  |
|                     | £1000  | £1000       | £!000     |  |
| Plant and machinery | 1,646  | 124         | 90        |  |
| Vehicles            | 200    | 81          | 48        |  |
| Total               | 1,847  | 206         | 139       |  |

# Capital expenditure on building work and changes in occupation of buildings and land, 1948

Larger establishments in Great Britain

| •  | ADLE 20  | a day rays arrest to a |                |
|----|--|------------------------|----------------|
|    | and the same and same as a subscription of                           | £1000                  | £1000          |
| 1, | . Capital expenditure on building work (a)                           |                        | 649            |
| 2  | Existing buildings and land (b)                                      |                        |                |
|    | (1) Capital cost of freeholds bought                                 | 00                     | To languine of |
|    | Estimated capital value of   |                        |                |
|    | (ii) Rented property newly occupied in the year (c)                  | 13                     |                |
|    | (iii) Leasehold buildings and land newly occupied in the year        | 62                     |                |
|    | Total of heading 2   | W (moder tates         | 131            |
|    | Total of headings 1 and 2  |                        | 780            |
| 3. | . Existing buildings and land relinquished (d)                       |                        |                |
|    | (1) Selling value of freeholds sold                                  | 47                     |                |
|    | (11) Estimated value of other properties relinquished                | 226                    |                |
|    | Total of heading 3   |                        | 273            |
| 4. | Headings 1 and 2 less heading 3                                      |                        | 508            |
| (8 | a) Excluding site value which, where appropriate, is included in hea | ding 2(1).             |                |
|    |  |                        |                |

(b) The figures do not reflect changes in ownership of previously occupied land and buildings.

(c) Property which is occupied under an agreement for the payment of rent without the purchase of a lease or the payment of a premium.

(d) Including property destroyed or abandoned.

Gross output (production) Cost of materials and fuel used Payment for work done on materials given out Brick levy payable to the Ministry of Works Net output Wages and salaries of persons employed Average number of persons employed (a) Net output per person employed (a) Stocks at end of year Finished products and work in progress Materials and fuel Number of establishments (a) Excluding outworkers.

TABLE 21

| tput of firms in this trade                           |
|---|
| Total value of sales (see Table 23)                   |
| Adjustment for changes in stocks and work in progress |
|   |
| Less payment for transport by other firms             |
| Gross output (production)                             |
| aterials and fuel used by firms in this trade         |
| Purchases (see Table 24)                              |
| Adjustment for changes in stocks                      |
| Materials and fuel used                               |
|   |

BRICK AND FIRECLAY COUNTRY TABLES

19.48

### Summary

Larger establishments

|   | and the second | and the second |   |
|---|--|--|---|
| England   | Wales  | Scotland   | Great<br>Britain                                      |
| \$'000<br>44,691                                      | £1000<br>3,308   | £1000<br>7,056   | <u></u>   |
| 15,073  | 1,131  | 2,463  | 18,668  |
| 18  | 5  | e9.1M  | 24  |
| 69  | 4  | 9  | 82  |
| 29, 531   | 2,168  | 4,583  | 36,281  |
| 19,751<br>No.<br>58,834<br>£<br>502<br>£'000<br>4,882 | 1,337<br>No.<br>4,322<br>&<br>502<br>&'000<br>244  | 2,763<br>No.<br>8,821<br>£<br>520<br>£'000<br>531  | 23,851<br>No.<br>71,977<br>£<br>504<br>£'000<br>5,657 |
| 2,451<br>No.<br>811                                   | 129<br>No.<br>82   | 359<br>No.<br>118  | 2,939<br>No.<br>1,011                                 |

### The values of gross output and of materials and fuel used are derived in the following way:-

|   | England | Wales          | Scotland | Great<br>Britain |
|---|---------|----------------|----------|------------------|
|   | £' 000  | £1000          | £1000    | £'000            |
|   | 46,863  | 3,473          | 7,590    | 57,925           |
|   |         |                |          |                  |
|   | + 1,237 | + 63           | + 51     | + 1,351          |
|   | 48,100  | 3 <b>,</b> 536 | 7,640    | 59, 277          |
|   | 3,409   | 228            | 585      | 4,222            |
|   | 44,691  | 3,308          | 7,056    | 55,054           |
| * |         | The states     |          |                  |
|   | 15, 187 | 1,126          | 2,540    | 18,853           |
|   | - 114   | + 5            | - 77     | - 186            |
|   | 15,073  | 1, 131         | 2,463    | 18,668           |
|   |         |                |          |                  |

Summary

### Small firms

|    | TABLE 22      |               |                                       |         |        |             |                  |  |  |  |
|----|---------------|---------------|---------------------------------------|---------|--------|-------------|------------------|--|--|--|
| 0  | Scotland      | nelisi        |                                       | England | Wales  | Scotland    | Great<br>Britain |  |  |  |
|    | Number of ret | tųrns         | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 211     | 8      | 15          | 234              |  |  |  |
| 81 | Average numbe | er of persons | employed (a)                          |         | tax be | and fuel us | alsingun         |  |  |  |
|    | Males         | • 3           |                                       | 1, 183  | 18     | 77          | 1,278            |  |  |  |
|    | Females       |               |                                       | 43      | 2 2    | alte 5 od.  | 50               |  |  |  |
| 88 | Total         |               |                                       | 1,226   | 20     | 82          | 1,328            |  |  |  |

(a) Including working proprietors.

TABLE 23

Principal products

Bricks, building

Glazed or enamelled bricks

Sand-lime bricks

Of brick-earth, clay or shale

Fletton type, common or facing

Non-Fletton type

Common

Engineering

All other building bricks, including non-Fletton type facing bricks of brick-earth, clay or shale and bricks of diatomaceous earth

Total building bricks

Hollow clay and terra-cotta flooring and wall partition blocks

Roofing tiles of clay

Single lap

Ridges, hips, valleys, etc.

Other, except plain

Bacteria bed tiles

Other sorts of tiles (except street paving tiles of materials other than clay) including plain roofing tiles of clay, ordinary pressed flooring quarries of clay and other materials, and street paving tiles of clay

Total tiles .

Flower pots, unglazed

Chimney pots; and agricultural drainpipes of clay, unglazed

BRICK AND FIRECLAY COUNTRY TABLES

Sales in the trade

Larger establishments

| r           |              |               |          |         |                  |               |            |               |  |  |
|-------------|--------------|---------------|----------|---------|------------------|---------------|------------|---------------|--|--|
| Engl        | and and w    | iales         |          | Scotlar | nd               | Gr            | eat Brita  | in .          |  |  |
| Quantity    |              | Value         | Quantity |         | Value            | Quantity      |            | Value         |  |  |
| M1111       | ons          | £'000         | Mi       | llions  | £1000            | Mill          | ions       | £1000         |  |  |
|             |              |               |          | 1928    | inenta -         |               | clar, of   |               |  |  |
|             | ••           | (a)           |          | ••      | (a)              |               | 3.3        | 154           |  |  |
| 76          | 3 <b>.</b> 5 | • 340         |          | 5.5     | 33               | 8             | 2.0        | 373           |  |  |
| an hereny   |              |               |          |         | 1102.02          |               | NOTE ADDA  |               |  |  |
| 1, 579      | .4           | 6,871         |          | 81.8    | 380              | 1,66          | 1.2        | 7,251         |  |  |
|             |              | Line is       |          |         |                  | the selector  | anis and   |               |  |  |
| 1, 575      | 5.0          | 7,764         | 2        | 74.0    | 1,271            | 1,84          | 9.1        | 9,034         |  |  |
| 14:         | 1.1          | 1,242         |          | 7.4     | 49               | 14            | 8.5        | 1, 291        |  |  |
|             | •            |               |          | 2       |                  | e Ebows e     | aboad .e.a |               |  |  |
| 530         | 0.1          | 4,115<br>42   |          | 69.4    | 365<br>112       | 59            | 9.4        | 4,480<br>154  |  |  |
|             | ••           | co grande     |          | ••      |                  | 4,343.5       |            | 22, 583       |  |  |
|             |              | (a)           |          |         | (a) {            | 4,04          | ••         | 154           |  |  |
|             |              | 4185          |          |         | ud othe          | Th.           | tons       | Tarage -      |  |  |
| ••          |              | (a)           |          | •• :    | (a)              | 12            | 9.88       | 501           |  |  |
| Millions    | Th. tons     | 2.371         |          | 144-F   |                  | Millions      | Th. tons   | PROPER AND    |  |  |
| 15.8<br>5.8 | 48.3         | 410<br>73     | 1        | -       | _{_              | 15.8<br>5.8   | 48.3       | 410<br>73     |  |  |
| 8.0         | 20.9         | 277           | /        |         |                  | 8.0           | 20.9       | 277           |  |  |
| 1.2         |              | 43            | 2        |         | -{               | 1.2           | ••         | 43            |  |  |
| 0.5         | 1.1          | 18            |          | -       | -                | 0.5           | 1.1        | 18            |  |  |
| ••••        | 3.1          | 26            |          | -       | -                | • • ·         | 3.1        | 26            |  |  |
|             | 84.9         | 3.439         |          |         | , 111. Vi. 2.    | 1. 45 In.     |            | easteril      |  |  |
|             |              |               |          |         | 1.1 5618<br>44 * | Con Inolt     |            | Trucht 18     |  |  |
| 1           | ants .       | (a)           |          |         | (a)              | 322.2<br>61.8 | 338.9      | 2,395<br>542  |  |  |
| •• .        | ••           | (a)           |          | ••      |                  | ••            | 2.6        | 69            |  |  |
|             |              | (a)           |          |         | (a)              | •• {          | 415.0      | 3,194<br>657  |  |  |
| Th. tons    |              | - 1991).<br>- | T        | n. tons |                  | Th.           | tons       | 2. 80. 2. 11. |  |  |
| 14 (a       | ••           | (a)           |          | ••      | (a)<             |               | 14.3       | 243<br>64     |  |  |
| 8           | 9.9          | 535           |          | 21.3    | 137              |               | 11.2       | 672           |  |  |
|             | ••           | 138           |          | ••      | 6                | The second    | ••         | 144           |  |  |
| 1           |              |               | 1,       |         |                  |               |            | - India       |  |  |

1/F/28 TREATMENT OF NON-METALLIFEROUS MINING PRODUCTS OTHER THAN COAL COUNTRY TABLES

## TABLE 23 (contd.)

| TABLE LO (Contrary  | *                                     | 808            | 73 84    |                          |               |          |                                  |                  |            |                             |
|---|---------------------------------------|----------------|----------|--------------------------|---------------|----------|----------------------------------|------------------|------------|-----------------------------|
|   |                                       |                | land and | Wales                    | ales Scotland |          | N.                               | Gr               | eat Brita  | in                          |
|   |                                       | Quar           | ntity    | Value                    | Quar          | ntity    | Value                            | Quan             | tity       | Value                       |
| Principal products (contd.)   |                                       | Th.            | tons     | £'000                    | Th.           | tons     | £' 000                           | Th.              | tons       | £1000                       |
| Sanitary ware (excluding sanitary earthenware)  | 1000                                  |                |          | a di takata<br>Gi takata |               |          | Sterv.                           |                  |            |                             |
| Drainpipes, angles, bends, elbows<br>and traps of materials other<br>than clay, stoneware or fireclay,<br>salt-glazed (except pre-cast    | 1012.4                                |                |          |                          |               |          |                                  |                  |            | aloalaa<br>aloalaa<br>alota |
| concrete)   |                                       | (8)            | -        |                          |               | 0.1      | 2                                |                  | •1 • • •   | 2                           |
| 88 0.59 573   | 3.6                                   | Thous.         | Th. to:  | ns                       | Thous.        | Th. tons |                                  | Thous.           | Th. tons   | 196                         |
| W.C. Pans of fireclay, glazed or enamelled  | {                                     | 1              | 3.8      | 1<br>477                 | }             | 0.1      | 13                               | 1                | -<br>3.9   | 1<br>489                    |
| Unclassified sanitary ware of<br>fireclay glazed or enamelled,<br>other than drainpipes, angles,<br>bends, elbows and traps               | 0.570                                 | Th.            | tons     | (a)                      | Th.           | tons     | (a) {                            | toga.            | tons<br>•4 | 726<br>426                  |
| Other descriptions (except slate<br>urinals), including drainpipes,<br>angles, bends, elbows and traps<br>of clay, stoneware or fireclay, | 7.44                                  |                |          | 2.282                    |               |          |                                  | ng<br>Lating, D  |            | MA -                        |
| salt-glazed, and other sanitary<br>ware of fireclay, glazed or<br>enamelled, including lavatory   | 0                                     |                |          | 1.088                    |               |          | alain<br>alain<br>alain<br>alain | o talo<br>o talo |            |                             |
| basins, sinks and urinals   |                                       | 379            | .2       | 6,275                    | 62            | 2.3      | 857                              | 441              | •5         | 7,132                       |
| Pipes and tubes of stoneware or<br>fireclay for electrical and other<br>purposes, not sanitary ware                                       |                                       | 76             | •4       | 888                      |               | - stites | 17 8.70                          | 76               | •4         | 888                         |
| Fireclay  | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |                |          |                          |               |          |                                  | 2.9 1642.9       |            |                             |
| Ground  |                                       | 170            | .7       | 428                      | 94            | 1.9.     | 190                              | 265              | •7         | 618                         |
| Unground  | -                                     | 37             | •6       | 60                       | 49            | 9.2      | 68                               | 86               | .7 081 91  | 128                         |
| Silica stone  | -                                     |                |          | .ec.                     | • 8           |          | .039                             | THE LEED         |            | 1.11 1                      |
| Ground  |                                       | 74             | •4       | 285                      | 13            | 3.0      | 18                               | 87               | •4         | 304                         |
| Unground  | ~                                     | and the second | ••       | (a)                      | -             | •• :     | (a)                              | 7                | .7         | 5                           |
| Firebricks up to and including<br>bricks of 9 in. x 4½ in. x 3 in.  |                                       | 482            | •2       | 2, 299                   | 334           | .5       | 1,779                            | 816              | .7         | 4,077                       |
| Firebricks or lumps, including tiles<br>and bricks exceeding 9 in. $x 4\frac{1}{2}$ in.<br>x 3 in.  |                                       | 205            | •5       | 2,267                    | 78            | 5.9      | 864                              | 281              | •4         | 3,130                       |
| Silica bricks up to and including<br>bricks of 9 in. x 4½ in. x 3 in.   |                                       | (5)            | ••       | (a)                      |               |          | (a)                              | 168              | •5         | 1,360                       |
| Silica bricks or lumps, including<br>tiles and bricks exceeding 9 in.<br>x 4½ in. x 3 in.   |                                       | (8.)           |          | (a)                      |               | ••       | (a)                              | 115              |            | 1, 366                      |
| Magnesite bricks  |                                       |                |          | (a)                      |               |          |                                  | 23               |            | 628                         |
| Siliceous bricks and shapes   | 14. A                                 | (a)            | ••       | (a)                      |               | ••       | (a)                              | 20               |            |                             |
| (75-92 per cent. silica)  | 3+35                                  | 34,            | •7       | 270                      |               | -        | e HE COLO                        | 34               | •7         | 270                         |
| Insulating bricks for furnace construction  |                                       |                | ••       | (a)                      |               | ••       | (a)                              | 20               | •7         | 539                         |
|   |                                       |                |          |                          |               | *        |                                  |                  |            |                             |

| Principal products (contd.)                                |
|--|
| Chrome bricks  |
| Dolomite bricks  |
| Bauxite and other bricks, sh                               |
| and tiles containing over 50 per cent. alumina             |
| Sillimanite bricks   |
| Other refractory bricks                                    |
| Total refractory bricks                                    |
| Retorts, fireclay; and grap                                |
| ground, flaked, etc.                                       |
| Retorts, silica  |
| Refractory goods not elsewhe                               |
| specified, including refrac                                |
| cement and plumbago and oth crucibles                      |
| Architectural terra-cotta and                              |
| faience, glazed and unglaze<br>excluding charges for fixin |
| Bath bricks, hearth stones a                               |
| the like   |
| Clays, etc., sold (other tha<br>fireclay and silica stone) |
| Waste products   |
| Work done for the trade,                                   |
| including fixing architectu terra-cotta and faience        |
| Total principal products.                                  |
| Other output   |
| Glazed tiles (including tile                               |
| for tessellated pavements)                                 |
| Slabbed work and other tile                                |
| mosaic work  |
| Stoneware, brown and yellow                                |
| Red pottery and terra-cotta                                |
| glazed and unglazed (other architectural, chimney pots     |
| unglazed flower pots)                                      |
| Pre-cast concrete goods                                    |
| Porcelain, earthenware or st                               |
| ware for industrial purpose<br>(including electrical ware) |
|  |
| Other goods  |
| Total  |
| (a) Owing to the risk of disc<br>(b) Amount charged.       |
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|  |

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### BRICK AND FIRECLAY COUNTRY TABLES

. 1/F/29

|                        | 1804   | Bee field                 | and Harry  | 121-114   |            |                           |              |  |
|------------------------|--------|---------------------------|------------|---|------------|---------------------------|--------------|--|
|                        | -      | England a                 | nd Wales   | Scot  | land       | Great Britain             |              |  |
|                        |        | Quantity                  | Value      | Quantity  | Value      | Quantity                  | Value        |  |
| THE PARTY              | 005    | Th. tons                  | 000 ئ      | Th. tons  | 000 ت      | Th. tons                  | £1000        |  |
|                        | ¥2.13  |                           | (a)        | Coner   | (a)        | 5,8                       | 109          |  |
|                        | 3,10   | 9.3                       | 186        | 100 . 11-   | -          | 9.3                       | 186          |  |
| napes                  | 5.1    |                           |            | Lecze.17  | Talsa h    | NAL ALT.                  |              |  |
|                        | S. 7   | ••                        | (a)        |   | (a)        | 8.6                       | 276          |  |
|                        |        | ••                        | (a)        | ••  | (a)        | 5.2                       | 193          |  |
|                        |        |                           | (a)        | • ••  | (a)        | 59.5                      | 1,252        |  |
|                        | a. a.  | 120                       | (a)        |   | (a)        |                           | 13, 386      |  |
| phite,                 |        | ••                        | (a)        |   | (a)        | Th. feet                  | 141          |  |
|                        | . * *  | ••                        | . (a)      | ••  | (a) {      | 32.3                      | 50<br>7      |  |
| ere<br>ctory<br>ner    |        |                           |            | 1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 | SEATS      |                           |              |  |
|                        | 4.4    | ••                        | 4,039      | ••  | 149        | ••                        | 4, 188       |  |
| nd<br>ed,<br>ng        | -      | ••                        | (a)        | ••  | (a)        |                           | 78           |  |
| and                    | Red.   | 32.                       | (a)        | .207 08.  | (a) {      | Th. tons<br>1.5           | 21           |  |
| 8 <u>8</u>             |        | 90.0                      |            |   | ļ          | 4.174 17                  | 29<br>207    |  |
| an                     | ł      |                           | 152<br>111 | \$ 44.8   | 55 🧹       | 134.7                     | 111          |  |
|                        | 500    | .38                       | 90         | 38. N.*   | 6          |                           | 96           |  |
| ıral                   | 060    |                           | (a)        |   | (a)        | LINGS THEIR               | 100(b)       |  |
|                        |        | -                         | (a)        | 40.04   | (a)        | orso disean<br>nermite    | 57, 346      |  |
|                        |        | Th. sq. yds.              |            |   | bea the    | Th. sq. yds.              | 13 300016-   |  |
| es                     | {      | 75.3<br>Th. cwts.<br>31.0 | 80         | 14 19 14 1<br>  | {          | 75.3<br>Th. cwts.<br>31.0 | 80           |  |
| and                    |        | ••                        | (a)        | aa  | (a)        | ••                        | 170          |  |
| ware                   |        | 10.8                      | 45         |   |            | 10.8                      | 45           |  |
| ware,<br>than<br>s and |        | 59.0                      | 45         |   |            | 59.0                      | 45           |  |
|                        | ٢      | Th. tons                  | 36         | 1   |            | Th. tons                  | 36           |  |
|                        |        | 16.5                      | 99 .       | -   |            | 16.5                      | 99           |  |
| tone-<br>es            |        | Th. cwts.                 | 518 .B.1   | ****  |            | Th. cwts.                 | 12.230       |  |
| )<br>111 Lest          |        | 9.9                       | 36         | t be stated   | Frain 15 H | 9.9                       | 36           |  |
|                        |        | ••                        | 68         | ••  | 2<br>7,590 | ••                        | 69<br>57,925 |  |
|                        | 1. (A) |                           | 50, 335    | and all the set   | 7,000      |                           | be adver     |  |

closure of information relating to individual firms, separate figures cannot be given.

### 1/F/30 TREATMENT OF NON-METALLIFEROUS MINING PRODUCTS OTHER THAN COAL COUNTRY TABLES

#### Purchased materials and fuel

Larger establishments

|  |  | 21 |
|--|--|----|
|  |  |    |
|  |  |    |
|  |  |    |

| TADLE 24  |                        |              |                        | 5 S S S S S S S S S S S S S S S S S S S |  | and the second |  |
|---|------------------------|--------------|------------------------|---|--|--|--|
|   | England                | and Wales    | Scot                   | land                                    | Great Britain                            |  |  |
| (a) astronomical ter                                      | Quantity               | Cost         | Quantity               | Cost                                    | Quantity                                 | Cost   |  |
| Materials   | Th. tons               | £1000        | Th.tons                | £'000                                   | Th. tons                                 | £1000  |  |
| Brick-earth, clay or shale                                | 1,429.2                | 387          | 1,181.8                | 154                                     | 2,611.0                                  | 541  |  |
| Fireclay  | 972.5                  | 1,171        | 195.7                  | 219                                     | 1,168.3                                  | 1,390  |  |
| Silica stone  |                        | (a)          |                        | (a)                                     | 370.3                                    | 446  |  |
| Magnesite   |                        | (a)          | •••                    | (a)                                     | 40.5                                     | 624  |  |
| Chrome  | ••                     | (a)          |                        | (a)                                     | 60.8                                     | 561  |  |
| Dolomite  | 97.1                   | 47<br>52     | } -                    | - {                                     | 97.1                                     | 47<br>52   |  |
| Bauxite   | ••                     | (a)          | ••                     | <b>(</b> a)                             | 2.3                                      | 25   |  |
| Sillimanite, kyanite and andalusite                       | ••                     | (a) .        |                        | (a)                                     | 10.8                                     | 128  |  |
| Glaze or materials for glaze {                            | 5.4                    | 76<br>64     | 3.2                    | 26<br>3                                 | 8.5                                      | 102<br>67  |  |
| All other purchased materials                             |                        | 4, 373       | ••                     | 551                                     | 100-0100 • Lan                           | 4,924  |  |
| Fuel and electricity                                      |                        | e)           |                        | absorbits<br>Salar                      | slaves and un                            | .acastri<br>enitalizzate   |  |
| Coal  | 2,754.1                | 6,966        | 351.6                  | 887                                     | 3,105.7                                  | 7,854  |  |
| Coke  | 92.2                   | 321          | 7.9                    | 22                                      | 100.0                                    | 343  |  |
| Electricity purchased (b)                                 | Th.B.T.U.<br>(kW.hrs.) |              | Th.B.T.U.<br>(kW.hrs.) | 1973<br>1973                            | Th.B.T.U.<br>(kW.hrs.)                   |  |  |
| From public supply  | 167,350                | 793          | 35,002                 | 159                                     | 202,352                                  | 953  |  |
| From other sources  | • 13, 241              | 58           | 2,030                  | 10                                      | 15, 271                                  | 67   |  |
| Electricity obtained from other works under the           |                        |              | 1955                   | - 26                                    | mislel hpp as                            |  |  |
| same ownership  | 10,649                 | 41           | 4,916                  | 22                                      | 15, 565                                  | 63   |  |
| Motor spirit (petrol) and derv. fuel                      | Th.galls.              |              | Th.galls.              | -                                       | Th.galls.                                | fit befall   |  |
| Used for road vehicles                                    | 2,793                  | 248          | 74                     | 7                                       | 2,867                                    | 255  |  |
| Used for other power purposes                             | 1,288                  | 87           | 131                    | 10                                      | 1,418                                    | 96   |  |
| Other oil fuel (including creosote/pitch mixtures)        | 2,993                  | 124<br>21    | 596                    | 28                                      | 3, 589                                   | 152<br>21  |  |
| Gas purchased   | Th. therms<br>2,684    | 62           | Th.therms 301          | 7                                       | Th. therms<br>2,985                      | 69   |  |
| Gas obtained from other works<br>under the same ownership | -                      |              |                        | _ (4)                                   | Clower Bold<br>Select<br>Selecter Spects | A DERO-STA   |  |
| All other purchased fuel                                  |                        | . 72         | ••                     | . 3                                     | ••.                                      | . 75   |  |
| Total   |                        | 16, 313      |                        | 2,540                                   | ng Leinzenhal                            | 18,853   |  |
| (a) Owing to the risk of disclos                          | ure of infor           | mation relat | ting to individ        | hal firms                               | congrate fig                             | ures cannot  |  |

(a) Owing to the risk of disclosure of information relating to individual firms, separate figures cannot

(b) The total quantity of electricity consumed in Great Britain was 315,240,000 E.T. units, including 82.053,000 generated in the same works. Owing to the risk of disclosure of information relating to individual firms, separate figures for England and Wales and for Scotland cannot be given.

### TABLE 25

| ABLE 25      |                                    |  |                  |                                    |  |                 |                                    |  |                   |  |
|--------------|------------------------------------|--|------------------|------------------------------------|--|-----------------|------------------------------------|--|-------------------|--|
|              | Engla                              | nd and Wale  | s                |                                    | Scotland   |                 | G                                  | Great Britain  |                   |  |
|              | Average<br>number of<br>operatives | Admini-<br>strative,<br>technical<br>and<br>clerical<br>employees<br>(a) | Total            | Average<br>number of<br>operatives | Admini-<br>strative,<br>technical<br>and<br>clerical<br>employees<br>(a) | Total           | Average<br>number of<br>operatives | Admini-<br>strative,<br>technical<br>and<br>clerical<br>employees<br>(a) | Total             |  |
| Males        |                                    |  |                  |                                    |  |                 |                                    |  |                   |  |
| Under 18     | 3,227                              | 195  | 3,422            | 586                                | 19   | - 605           | 3,813                              | 214  | 4,027             |  |
| All ages     | 53,379                             | 4,793  | 58, 172          | 7,069                              | 588  | 7,657           | 60,448                             | 5,381  | 65,829            |  |
| Females      |                                    |  | -                |                                    |  |                 |                                    |  |                   |  |
| Under 18     | 512                                | 258  | 570              | 115                                | 42   | 157             | 427                                | 300  | 727               |  |
| All ages     | 3, 507                             | 1,424  | 4,931            | 972                                | 188  | 1,160           | 4,479                              | 1,612  | 6,091             |  |
| Total        |                                    |  |                  |                                    |  | -               |                                    |  |                   |  |
| Under 18     | 3,539                              | 453  | 3,992            | 701                                | 61   | 762             | 4,240                              | 514  | 4,754             |  |
| All ages     | 56,886                             | 6,217(b)   | 63,103<br>(b)(c) | 8,041                              | 776(b)   | 8,817<br>(b)(c) | 64,927                             | 6,993(b)   | 71,920<br>(b) (c) |  |
| Total        | £'000                              | £'000  | £1000            | ٤'000                              | £1000  | £'000           | £1000                              | £1000  | £1000             |  |
| remuneration | 18,257                             | 2,831  | 21,088           | 2,418                              | 345  | 2,763           | 20,674                             | 3,176  | 23, 851           |  |

(a) Number at September 25, 1948.

(b) There were, in addition, 57 working proprietors (54 males and 3 females) in Great Britain; 50 males and 3 females in England and Wales, and 4 males in Scotland. (c) The employers' share of contributions to all National Insurance Schemes payable during the year in

respect of these workers amounted to a total of \$600,000; \$529,000 for England and Wales, and £72,000 for Scotland.

In addition to the employees in the above table the firms in this trade employed outworkers whose numbers and remuneration are set out below.

|                   | Average num         | Total amount<br>paid to<br>outworkers |   |       |
|-------------------|---------------------|---------------------------------------|---|-------|
| -                 | Males Females Total |                                       |   |       |
|                   |                     | -                                     |   | £'000 |
| England and Wales | 5                   | 1                                     | 6 | 1     |
| Scotland          | · -                 | -                                     | - | _     |
| Great Britain     | Б                   | 1                                     | 6 | 1     |

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BRICK AND FIRECLAY COUNTRY TABLES

Employment and remuneration

#### Larger establishments

1/F/32 TREATMENT OF NON-METALLIFEROUS MINING PRODUCTS OTHER THAN COAL COUNTRY TABLES

## Monthly index of employment of operatives: Larger establishments

## (average employment in 1948 = 100)

TABLE 26

|          | Mor                     | thly index | (a)              |   | Monthly index (a)       |          |                  |  |
|----------|-------------------------|------------|------------------|---|-------------------------|----------|------------------|--|
| Month    | England<br>and<br>Wales | Scotland   | Great<br>Britain | Month   | England<br>and<br>Wales | Scotland | Great<br>Britain |  |
| 1948     | Lighte -                |            | enototada        | 1948  | - State Local           |          | 1.1790           |  |
| January  | 100.8                   | 95.1       | 100.0            | August  | 100.5                   | 102.8    | 100.8            |  |
| February | 100,9                   | 96.9       | 100.3            | September                                     | 100.5                   | 102.6    | 100.8            |  |
| March    | 98.8                    | 98.5       | 98.8             | October                                       | 100.0                   | 102.1    | 100.3            |  |
| April    | 99.1                    | 100.1      | 99.2             | November                                      | 100.4                   | 101.1    | 100.5            |  |
| May      | 99.5                    | 100.1      | 99.6             | December                                      | 99.9                    | 100.4    | 100.0            |  |
| June     | 99.8                    | 100.4      | 99.9             | Percentage employ-                            | ( Algorithe )           |          |                  |  |
| July     | 99.7                    | 99.8       | 99.7             | ment in this<br>trade covered by<br>the index | 59.9                    | 72.7     | 61.5             |  |

(a) The index numbers are calculated from the number of operatives employed in one week in each month returned by larger establishments that made returns for the calendar year 1948.

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