



BOARD OF TRADE

FINAL REPORT on the CENSUS OF PRODUCTION FOR 1948

Volume 1

Trade B

NON-METALLIFEROUS MINES AND QUARRIES (OTHER THAN COAL, SALT AND SLATE)

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

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 0d. NET

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| | | 1/5/06 |

* Not applicable to this trade

NON-METALLIFEROUS MINES AND QUARRIES (OTHER THAN COAL, SALT AND SLATE)

THIS REPORT relates to establishments engaged wholly or mainly in the mining and quarrying of non-metalliferous minerals (other than coal, salt or slate) and such ancillary operations as cleaning, washing, grading, etc., normally carried out at mines or quarries. Establishments similarly engaged in oil mining, oil shale mining and oil shale retorting are included.

This trade corresponds to minimum list headings 12, 14, 19(3) and 19(4) in the Standard Industrial Classification.

Quarries producing brickearth, clay, etc. owned by firms manufacturing brick and fireclay products were, in the main, returned in the Brick and Fireclay Trade in 1948 and 1935. Some firms, however, made separate returns for their different undertakings. The proportion of undertakings making separate returns differed in these two years and there was a similar inconsistency in the treatment of quarries owned by firms manufacturing china and earthenware and cement; figures for 1948 and 1935 are not therefore, exactly comparable.

Establishments in this trade in Northern Ireland are excluded in 1948. At the 1935 Census, particulars relating to all mining and quarrying in Northern Ireland were included in the report on this trade, separate particulars not being available.

NON-METALLIFEROUS MINES AND QUARRIES (OTHER THAN COAL, SALT AND SLATE)

Larger establishments

| - | | - | | |
|---|---|---|---|--|
| T | Λ | K | - | |
| | | | | |

| | 104070 | 1075 (b) |
|--|---------------|---------------|
| | 1948(a) | 1935 (b) |
| | £1000 | £'000 |
| Gross output (production) | 41,440 | 13,574 |
| Cost of materials and fuel used | 11,864 | 3,471 |
| Payment for work done on materials given out | 165 | - |
| Net output | 29,412 | 10,103 |
| Wages and salaries of persons employed | 15,319 No. | No. |
| Average number of persons employed | 45,367(c). | 52, 664 £ |
| Net output per person employed | 648 £'000 | າງຂ ຄ' 000 |
| Stocks at end of year | ~ 000 | 2 000 |
| Finished products | 1,281 | 373 E.F. •• |
| Materials and fuel | 1,909 No. | No. |
| Number of establishments | 1,066 | 1,495 |

(a) Great Britain only.
 (b) United Kingdom.
 (c) 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 £' 000 | 1935 £'000 |
|------------------|---|
| £! 000 | £1000 |
| Man Man Call | |
| | |
| 35,921(a) | 12,598 |
| 2,816 | 975 |
| + 418 | |
| 2,400(a) | |
| 41,555 115(a) | 13,574 |
| 41,440 | 13, 574 |
| | |
| 12,305 | |
| - 442 | 3,471 |
| 11,864 | 3,471 |
| | 2,816 + 418 2,400(a) 41,555 115(a) 41,440 12,305 - 442 |

(a) Sales of quarry products were recorded at "ex-quarry" prices; payments for transport by other firms of goods sold were not ascertained.

Summary, 1948 Small firms in Great Britain

TABLE 2

| Number of returns | 1,014 |
|--|--------|
| Average number of persons employed (a) | |
| O Males OV | 5,360 |
| Females | 169 |
| Total | 5, 529 |

(a) Including working proprietors.

Estimated average employment, 1948 All firms in Great Britain

TABLE 3

| | TABLES | 100 47 | O ART | Gibras k | 300 63 | 00 | |
|---|-------------------|------------------|-------------|------------|--------|--------|-----|
| I | As returned | by firms | | | | | |
| | Employing persons | g on average (a) | more than | ten | 149 | 45,367 | |
| - | Employing | g on average | e ten perso | ns or less | (b) | 5, 529 | |
| | | | | | 1 14 1 | 50,896 | |
| | | average empl | | firms not | 98 8 | 638 | 0 1 |
| - | Estimated a | average empl | oyment in | all firms | | 51,534 | |

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

Analysis by size, 1948

larger establishments in Great Britain

| TABLE 4 Larger establishments in Great Britain | | | | | | | | | | |
|--|------------|--------|--------|----------|--------|--------------|--------|------------------------|--|--|
| Average number | Establish- | Gross | Net | Persons | F | Remuneration | | Net output | | |
| employed | ments | output | output | employed | Wages | Salaries | Total | per person employed | | |
| | No. | £'000 | £'000 | No. | £1000 | £'000 | £1000 | £ | | |
| 11-24 | 472 | 7, 207 | 5,617 | 8,106 | 2,184 | 428 | 2,612 | 693 | | |
| 25-49 | 349 | 10,303 | 7,644 | 11,846 | 3,332 | 556 | 3, 888 | 645 | | |
| 50-99 | 166 | 9,724 | 7,104 | 11,235 | 3, 274 | 550 | 3, 824 | 632 | | |
| 100-199 | 59 | 7,619 | 5,205 | 8,062 | 2,498 | 358 | 2,856 | 646 | | |
| 200-299 | 13 | 3,933 | 1,905 | 3,161 | 960 | 115 | 1,075 | 603 | | |
| 300 and over | 7 | 2,654 | 1,936 | 2,957 | 843 | 222 | 1,065 | 655 | | |
| Total | 1,066 | 41,440 | 29,412 | 45,367 | 13,091 | 2,229 | 15,319 | 648 | | |
| | | | | | | | | | | |

Analysis by standard region, 1948 Larger establishments in Great Britain

TABLE 5

| Region | Establish- Gross | | Net output | | Persons | Remineration | | | |
|-----------------------------|------------------|--------|------------|---------------------|---------------|--------------|----------|--------|--|
| veglou | ments | output | Value | Percentage of total | employed | Wages | Salaries | Total | |
| 03.2048.137.00 | No. | £1000 | £'000 | | No. | £'000 | £1000 | £'000 | |
| England | 9 | | • | | | Female | | | |
| Northern | 105 | 3,516 | 2,484 | 8.4 | 4,188 | 1,200 | 168 | 1,368 | |
| East and West | | | · .enst | cing propris | riow partonic | Dall (8) | | | |
| Ridings of Yorkshire | 67 | 1,840 | 1,366 | 4.6 | 1,948 | 559 | 89 | 649 | |
| North Midland | 1 05 | 5,836 | 4, 213 | 14.3 | 5,764 | 1,703 | 311 | 2,014 | |
| Eastern | 59 | 1,681 | 1,333 | 4.5 | 1,657 | 460 | 120 | 580 | |
| London and South Eastern | 67 | 2,506 | 1,945 | 6.6 | 2,321 | 681 | 195 | 876 | |
| Southern | 40 | 941 | 744 | 2.5 | 1,205 | 327 | 62 | 390 | |
| South Western | 181 | 7,697 | 5, 556 | 18.9 | 8,833 | 2,576 | 419 | 2,995 | |
| Midland | 87 | 2,864 | 2,091 | 7.1 | 3,295 | 943 | 186 | 1,129 | |
| North Western | 69 | 3,152 | 2,142 | 7.3 | 3,243 | 931 | 242 | 1,173 | |
| Total England | 780 | 30,032 | 21,874 | 74.4 | 32,454 | 9, 380 | 1,792 | 11,172 | |
| Wales | 111 | 3,826 | 2,966 | 10.1 | 4, 823 | 1,376 | 192 | 1,568 | |
| Scotland | 175 | 7,582 | 4, 573 | 15.5 | 8, 090 | 2, 335 | 245 | 2,579 | |
| Great Britain | 1,066 | 41,440 | 29,412 | 100.0 | 45,367 | 13,091 | 2,229 | 15,319 | |

Analysis according to specialisation within the trade, 1948

TABLE 6

Larger establishments in Great Britain

| | language states and the state of the state o | | TO THE VIEW OF THE PERSON | | En Property of St. | | | | |
|------------------------------|--|-----------------|---------------------------------|---------------|---------------------|--------|--------------|--------|------------------------|
| | | | Sales of | | | · | Remuneration | | Net output |
| 1865 (b) Production | Establish- ments | Gross output | charac- teristic products | Net output | Persons employed | Wages | Salaries | Total | per person employed |
| icy Value | No. | ٤'000 | ٤٠٥٥٥ | \$1000 | No. Mo. | £'000 | £'000 | £'000 | ٤ |
| Specialist producers of | of all | lough. | 00 | 115 | t tons | | | RSI | DOG SHARREST |
| Stone | 605 | 23, 106 | 19,496 | 16, 227 | 26, 042 | 7,349 | 1,315 | 8,664 | 6 23 |
| Clay, sand, gravel and chalk | 399 | 12,188 | 10,731 | 9,377 | 13,452 | 3, 899 | 734 | 4, 633 | 697 |
| Remainder of the trade | 62 | 6, 146 | | 3,807 | 5, 873 | 1,842 | 180 | 2,023 | 648 |
| Total | 1,066 | 41,440 | 375 | 29,412 | 45, 367 | 13,091 | 2, 229 | 15,319 | 648 |

TABLE 7 - Total make of intermediate products: Larger establishments

This table is not applicable to the trade.

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

Larger establishments

| 7 | Α. | 0 | 1 | _ |
|----|----|---|---|---|
| Τ. | Λ. | к | | |
| | | | | |

| TABLE 8 | Persons | 1 Jew +5atan: | i saorb (-m | sildejsī | |
|---|-------------|-------------------------|---|--|------------|
| os falaries fetel supulyes | SA COVOLOTO | 1948 (a) Sales | 1935 (b) Production | | |
| 3 20012 1,00012 70 | Quantity | Value (c) | Entries | Quantity | Value |
| Igneous rocks | Th. tons | £1000 | No. | Th. tons | £!000 |
| For use as building stone (including monumental stone) | 1800 85 | | 801.688 | 09 200 - 11 - 36 | |
| Crude | 49 | 52 | 25 | 127 | 237 |
| Other | 56 | 387 | 32 | | |
| For use as kerbs and setts | | | • | | |
| Crude | 36 | 214,82 27 | 5. | 219 | 371 |
| Other | 41 | 146 | 47 | 219 | 371 |
| For use as roadstone (including chippings) and ballasting | | | 44.405 | ************************************** | |
| Crude | 788 | 277 | 138 | | |
| Other | | FOR THE PROPERTY OF THE | | 7,013 | 1,848 |
| Dry | 5,570 | 3,375 | 192 | | |
| Tarred (d) | 1,875 | 2,328 | 129 | 1,853 | 976 |
| For artificial stone (including concrete blocks, slabs, etc.) | | P3 1.5×6 | 0,098 | 1586 7 74 | 2,579 |
| Crude | 20 | 4 | 6 | 300 | 76 |
| Other | 348 | 194 | 40 | | ,0 |
| For all other purposes | 322 | 197 | 26 | 116 | 28 |
| Total igneous rocks | 9,105 | 6,988 | •• | 9,628 | 3,536 |
| Limestone or dolomite | | | | | |
| For fluxing in blast furnaces | | | and polymerate and an artist of the second and artist of the second artist of the second and artist of the second artist of the second and artist of the second and artist | | |
| Crude | 1,627 | 571 | 78 | 2,199 | 351 |
| Other | 788 | 317 | 37 | 2,199 | 001 |
| For use as refractory materials | | | | | |
| Crude | 233 | 104 | 13 | 392 | 69 |
| Other | 425 | 1,653 | 12 | 382 | |
| | | | | | |
| DS 41907/1 | | | | | PS Aventya |

TABLE 8 (contd.)

| TABLE 8 (conta.) | COLUMN TARREST | 1 00000 81000 1 500 | AL NOTE OF | | | |
|--|----------------|---------------------|------------|------------------------|-------------------|--|
| cano asu arayet (conta-). | | 1948 (a) Sales | | 1935 (b) Production | | |
| | Quantity | Value (c) | Entries | Quantity | Value | |
| Limestone or dolomite (contd.) | Th. tons | £'000 | No. | Th. tons | £'000 | |
| | PS 48 | 88 15 2 | 1 1 | | | |
| For the manufacture of lime (e) | 80 100 | 818 Sea 2 | | | | |
| Crude | 830 | 234 | 24 | in ,esjes ,er | | |
| Other | 248 | 182 | 22 | 0.500 | Berved bus | |
| For the manufacture of cement | 8 | 4 | | 2,596 | 386 | |
| Crude | 274 | 79 | 5 | | | |
| Other | 112 | 57 | 6 | ukoni) anorab | | |
| For use as building stone | 1 2 Paix | 818 94 L | 180 | Sec. | | |
| (including monumental stone) | | 888 | | | 74030 | |
| Crude | 30 | 14 | 32 | 155 | 211 | |
| Other | 301 | 341 | 39 | | old sasabooo | |
| For use as roadstone (including chippings) and ballasting | | at 8 | | | Crude | |
| Crude | 977 | 311 | 165 | | (seiter) | |
| Other | 4 100 | ee 787 a | t constant | 3,482 | 725 | |
| Dry | 3, 162 | 1,737 | 182 | purposes | For all other | |
| Tarred (d) | 1,942 | 2,525 | 114 | 1,822 | 920 | |
| For artificial stone (including concrete blocks, slabs, etc.) | - 81 | 150 | | | levara bus basa ! | |
| Crude | 38 | 10 2 | 5 | 139 | 32 | |
| Other | 151 | 89 | 38 | | 1 delico | |
| For all other purposes | 4,231 | 3,025 | 134 | 2,174 | 528 | |
| Total limestone or dolomite | 15,370 | 11,250 32 | | 12,959 | 3,222 | |
| Sandstone and quartzite (including ganister) | A des | D835 98 | | 6 6 6 9 | st040 | |
| For refractory purposes (including ganister, silica rocsilica stone and silica sand) | к, | ers 40 s | | | detail) | |
| Crude | 362 | 170 | 18 | 100 | 75 | |
| Other | 209 | 250 | 19 | 169 | 10 | |
| DS 41907/1 | | | | | 1/200311/82 | |

TABLE 8 (contd.)

| TABLE 8 (contd.) | 1 | 1010 (0) | | 1075 () | |
|---|------------|-------------------|---------------|--------------------|-----------------------------------|
| | i hacats c | 1948 (a) Sales | | 1935 (the Product: | |
| | Quantity | Value (c) | Entries | Quantity | Value |
| Sandstone and quartzite (including ganister) (contd.) | Th. tons | £1000 | No. | Th.tons | ٤'000 |
| For use as building stone (including monumental stone) | 7115 | 90386 | voi baron les | - Quanting | 76200 |
| Crude | 44 | 83 | 27 | Lomite (Contd.) | 1000 c. Limestone or de |
| Other | 77 | 318 | 38 | 321 | 417 |
| For use as kerbs, setts, flags | * | | | | Grude. |
| and paving | st it | 182 | *844 | | Tadio . |
| Crude | 4 | 12 | 8 | 118 | 1 59 |
| Other | 29 | 115 | 19 | | Crude |
| For use as roadstone (including chippings) and ballasting | 9 | 78 | 817 | 2.0 | TUDIO |
| Crude | 451 | 213 | 59 | 1,504 | 359 |
| Other | 1,035 | 666 | 58 | | Criste |
| For artificial stone (including concrete blocks, slabs, etc.) | | 148 | 205 14 | | 1000 |
| Crude | 38 | 15 | 7 | 115 | 24 |
| Other | 54 | 41 | 11 | | Orudo |
| For the manufacture of grindston | es 5 | 59 | 11 | 10 | 37 (f) |
| For all other purposes | 57 | 55 | 30 8 14 | 136 | 58 |
| Total sandstone and quartzite | 2,364 | 1,997 | - S-A 1 | 2,373 | 1,129 |
| Sand and gravel | | 194 | | a stone (includity | To election and a |
| Building sand and gravel | | 31 197 | -86 | | 99170 |
| Crude | 4,556 | 972 | 119 | 7,747 | 1,136 |
| Other | 10,816 | 3, 325 | 172 | purposes | adjo iis 70% |
| Sand for road-making and for ballast | | 085,11 88 | 07 (8) A | stione or dolonice | Total Line |
| Crude | 1,382 | 330 39 | 48 | 1,616 | ona encrabasa (maratasa 278 |
| Other | 752 | 277 153 | 58 | canisten, silica | For rafracco |
| Moulding and pig-bed sand | 4 | | | DIRE SULLIE DIES | HOUR BULLE |
| Crude | 336 | 124 | 18 | 489 | 93 |
| Other DS 41907/1 | 215 | 141 | 18 | 1 | Other bs 41907/i |

TABLE 8 (contd.)

| | Laboro. | 1948 (a) Sales | | 1935 Produc | |
|--|-----------|-------------------|---------|--------------------|----------------------|
| 1016 0 | Quantity | Value (c) | Entries | Quantity | Value |
| Sand and gravel (contd.) | Th. tons | £'000 | No. | Th.tons | £'000 |
| Sand for other refractory purposes | 125 | 63 63 an | 8 | 113 | 25 |
| Glass-making sand | The today | 2,000 | West Co | 2007 010 4019 | eranja pod telo |
| Crude | 43 | 15 | 8 | 93 | 21 |
| Other | 406 | 297 | 6 | 2000 440 | Staro |
| Sand for artificial stone (including concrete blocks, slabs, etc.) | 121 | 81 . 76 | 7 | (a) enil'io eni | |
| Crude | 45 | 11 | 8 | 285 | 39 |
| Other | 353 | 114 | 38 | antianoson) as | |
| Sand and gravel for all other purposes | 2,348 | 795 84 | 80 | 283 | 61 |
| Unclassified sand and gravel | - FREE | | _ | 2,419 | 314 |
| Total sand and gravel | 21,376 | 6,465 277 | } | 13,045 | 1,967 |
| Clay, brick-earth, marl, shale, fireclay and potters' clay, etc. | | 898 8 | 8 | pshepsidnu | Grude appi- crousi |
| Fireclay (including sagger marl), crude and other | 835 | 787 | 100 | 1,041 | 335 |
| China clay | 618 | 2,411 | 18 | 747 | 943 |
| China stone | . 93 | 42 | -19 | bas spurio si l | invites and building |
| Crude | 64 | 160 | 96 8 | 45 | 71 |
| Other | 22 | 64 | • • | | 100.00 |
| Shale (other than oil shale) | | 1, 576 | 7.6 | ndo si (delasube) | Court cated (see 12) |
| Crude | 121 | 27 | •• | tota telebacococte | faginaling tasor |
| Other | 302 | Carriero . | - | 1000 | |
| Ball clay | | | | 4,530 | rising days (a) |
| Crude | 263 | 599 | 12 | 2,069 | 276 |
| Dressed, washed or ground | 9 | 42 | 6 | La stades recht | or as tel of (0) |
| Potters! clay, other than crude | - | _ | - | | |
| Other clay, crude and other (including crude potters clay) | 154 | 123 | 15 | * | |

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

Larger establishments

| | | 1010 (0) | | 105 | |
|--|--------------|-------------------|--------------|--|--|
| neldospari | | 1948 (a) Sales | Sales | | 5 (b). action |
| eulev s volument | Quantity | Value | Entries | Quantity | Value |
| Igneous rocks for use as roadstone (including chippings) and ballasting, dry, other than crude | | £' 000 | No. | Th. tons | £' 000 |
| Limestone or dolomite | -round, land | | | break history | ann anthings |
| For fluxing in blast furnaces | | | | Tetral Ciarrol I | yers bus base |
| Crude | 121 | 43 | 19 | 288 | 41 |
| Other | 104 | 48 | 9 | Taski stasi | d One anixem |
| For the manufacture of lime | | To Deals | | aftern trans | The same of the sa |
| Crude | 9 | 3 | | 424 | *59(c) |
| Other | 33 | 13 | 929 | Treatise antho | eni) velocula |
| For use as building stone (including monumental stone), crude and other | 6 | 4 | 30. | 13 13 13 13 15 15 15 15 15 15 15 15 15 15 15 15 15 | velo nemo |
| For use as roadstone (including chippings) and ballasting | | (4) | | | Miano |
| Crude | 114 | 37 | 25 | enti lo omos | For the manufi |
| Other | | | | 164 | 29 |
| Dry | 93 | 42 | 18 | Just unem end an | DEEDING Code |
| Tarred | 39 | 43 | 8 | 16 | 4 |
| For artificial stone (including concrete blocks, slabs, etc.) | | 46 | 110 | | Crude |
| Crude | . 1942 -18 H | removed and | 8 1885 | 41 | 8 |
| Other | 15 | 7 | | John andress | Letter-Speciments |
| For all other purposes | 292 | 256 | 27 | 932 | 235 |
| Sandstone and quartzite (including ganister) | | 898,1 | | | Level |
| For refractory purposes (including ganister, silica rock, silica stone and silica | | | TAMMED TO BO | in only. dom. or the magnification | (a) OPERC SETE (b) United Kin (c) Inglading |
| sand), crude and other | 27 | 32 | •• | 10 | 39 |
| For all purposes other than refractory | 55 | 36 | •• | 35 | 135 |

| TABLE 8 (contd.) | | | | | |
|--|---------------|-------------------|--|--|----------------|
| 000 ha BHOU HE | an ser freeze | 1948 (a) Sales | erad AV | 1935 Produc | |
| | Quantity | Value (c) | Entries | Quantity | Value |
| Clay, brick-earth, marl, shale, fire- clay and potters' clay, etc. (contd.) | Th.tons | £1000 | No. | Th. tons | £1000 |
| Brick-earth, crude and other | | | | sand | antham-aan10 |
| Marl, crude and other | 139 | 28 | 6 | 126 | 24 |
| Total clay, brick-earth, etc. | 2,224 | 4,242 | 1 | 4.028 | 1 840 |
| Chalk | •• | 25 | | 4,020 | 1,649 |
| For the manufacture of lime (e) | | | | amaza [alata] | ters and has? |
| Crude | 38 | 18 | 8 | proof of ordinate | anisolohili |
| Other | 74 | 76 | 6 | and the same of th | Simbs, etc. |
| For the manufacture of cement | | | | 6,847 | 356 |
| Crude | 967 | 107 | 5. | ACCUPATION OF THE PROPERTY OF | abund |
| Other | - | 11 - | 888 T |) | rendo |
| For other purposes (roadmaking, etc.), including the manufacture of whiting | 850 | 238 | 34 | 360 | stor bas-basis |
| Flint and chert, crude and other | 148 | 118 | 25 | 57 | 63(f) 19 |
| Fluoronon | 140 | 110 | 20 | 5/ | 19 |
| | 14 | 44 | The second | every bas base | Inclassified |
| Crude | •• | 9 | 6 | 25 | 19 |
| Other | 40 | 247 | 10 | Jesus bas | pasa feior |
| Barytes and witherite | | | | | |
| Crude and ground, unbleached | . 86 | 398 | 12 | And Linear Last | Clay, brick-ea |
| Ground, bleached | 18 | 142 | 031 | 78 | 131 |
| Gypsum, not calcined | | 11 | | despes salbide | al) velocity |
| Crude | 554 | 405 | 10 | radio bue e | are (insuring |
| Other | 204 | 206 | 5 | | |
| Felspar, crude and other Other non-metalliferous minerals | | 13.8 | | ••• | 1,289 |
| (including anhydrite, crude and other; Fuller's earth, crude and | | | | 2,773 | Ontrai stone |
| other; oil shale; crude petroleum and crude oil) | 2,997 | 3,808 436 | } | | 00010 |
| Total | | 37,499 | ş <u>.</u> | | 13,380 |
| Less sales (or production) in other trades (see Table 9) | | 1,578 | • • | elmia ilo nmis | 782 |
| Total principal products of this trade sold or made by establish- ments in the trade | | 35,921 | 951 | | 12,598 |
| | | | tion grant district the state of the state o | description of the annumental parties of the control of the contro | |

(a) Great Britain only.
(b) United Kingdom.
(c) At ex-quarry prices.
(d) The quantities shown for each year represent the weight of stone prior to the addition of tar.
(e) Exclusive of the quantity raised and used at the quarry in the production of lime; particulars of the output of lime are given in Table 10.
(f) So far as recorded separately.

Sales (or production) of principal products of the trade by

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

Larger establishments

TABLE 10

| | 1948 Sale | | 1935 (b) Production |
|--|---------------------|--------------------------------------|------------------------|
| Sales Sales | Quantity | Value | Value |
| | Th. tons | £' 000 | £'000 |
| Sulphate of armonia | 18 200 [78 | 204 | 121 |
| Lime BAR 8 | | 338 | swidow switch |
| White lime, lump or ground, and hydrated | 602 | 1 , 345 | 140 |
| Hydraulic or other lime, lump or ground | 13 | 19 | 51 |
| Metalliferous ores | 1 | 53 8 | 21 |
| Manufactures of concrete | ••• | 368 | 93 |
| Manufactures of bituminous products | 45 | 78 | 59 |
| Other goods (including gypsum and whiting) | Author les (o | 215 | 67 |
| Scul de la constant d | Th.B.T.U. (kW.hrs.) | eresting erest | nerive essent |
| Electricity sold | 20,695 | 58 | 22 |
| Work done (c) | TREET TOL STREET | e tempo una sing ente in Great ar | TO TOTAL TO LEE |
| Roadmaking (d) | Supremental A | 233 | 384 |
| Other work | SCHOOLS PRESENT | 236 | 17 |
| Total | mente classit | 2,816 | 975 |

TARIF 9 (contd.)

| (d) eset politore | | 1948 Sale | 2005 | | 1935 (b) Production | | |
|---|----------|--------------|------|-------|------------------------|---|------------------------------------|
| Clantity Value | Quantity | 000 Valu | 9 (| ins | Entries | Quantity | Value |
| 000°2 and and an | Th. tons | £' 00 |) | 107. | No. | Th. tons | £' 000 |
| Sand and gravel | | | | | -JES | isd bus tegniq | (including cat |
| Building sand and gravel | | | | | 4 | 47 | 7 |
| Moulding and pig-bed sand | - | | | | 1 | 3 | Limestane of Go. 1 For Cluxing in |
| Sand and gravel for all other purposes (other than for | er i | 818 | | 181 | | | Spire |
| refractory purposes, road- making and ballast, glass- making and artificial stone) | 89 | Sa 2 7 | | } | 25 | - | 0 <u>r</u> her |
| Clay, brick-earth, marl, shale, fireclay and potters' clay, etc. | - E & | 8 | | 9 | | amil to equip. | For the namual |
| Fireclay (including sagger marl), crude and other | 252 | 19 | 1 | 88 | 54 | 974 | 307 |
| Other clay, (except china clay, china stone, shale, ball clay and potters' clay) | 5 | | 3 | 9 | -10 | 264 | a galbulant) do bae eburo 27 |
| Chalk | | | | | 800 | deposition of the property of | For use as re enippings) s |
| For the manufacture of lime, crude and other | 14 | | 7 | 422 | 7 | 186 | ebirto 12 |
| For other purposes (road making, etc.) including the manufacture of whiting | 623 | .3.0 | 3 | 89 | 23 | _ | And _ |
| Flint and chert | | | | 595 | | | Tarred |
| Crude | 110 | 4 | 3 | | 9 1 | suone (intlo | For erefficial |
| Other | | 4 | | - | | | Orode |
| Other non-metalliferous minerals | | . 7 | | 15 | 953 | | 12,79000 |
| (including fluorspar, other than crude; gypsum (not calcined), crude; and anhydrite, crude) | 1,541 | 33 | | 3.95 | 206 | .ea.9.grug | Tento IIE 9107 |
| Total | | 1,57 | 3 | 500 1 | | sterios serios | 782 |

⁽a) Great Britain only.

⁽b) United Kingdom.

⁽c) Amount charged in 1948 and amount received in 1935.

⁽d) Excluding the values of minerals raised and used by the firms in the work, which are included in the appropriate mineral output figures shown. The total value of the minerals raised and used in roadmaking was recorded as £168,000 for 1948; similar information is not available for 1935.

United Kingdom.

⁽c) Including for the manufacture of cement.

Analysis of sales, 1948

Larger establishments in Great Britain

TARIE II

| TABLE | no trisubors | 100 | 9188 | | | | | |
|-------------|-----------------------------|--------------------------------------|-------------------|-----------------|--------------|---------------|---------|--------------------------|
| | Value | Value | 20.401104.00 | | DEP 05 | Sales | of | centage total ales |
| | \$ 000 ts | 0.00013 | 100 1 DESCRIPTION | | 113 | | | |
| Sales | (or transfers) | to other organi | sations under th | ne same control | ita | £'000 | igine . | |
| Prod | ductive works | | | | | 5,946 | skta. | 15.6 |
| Expo | ort sales organ | isations (includ | ing branches abi | road) | organ | 366 | 中 | 1.0 |
| Othe | er wholesale or | selling organis | ations and retain | Il shops, etc. | her ime. | 2,028 | VAN . | 5.3 |
| | otal sales (or same control | transfers) to ot | her organisation | ns under the | 2 | 8,340 | - | 21.9 |
| Sales | to independent | buyers | | | 8 | in ferous ore | Edsh | |
| Expo | orts invoiced d | irectly overseas | | | oner te | 401 | unan | 1.1 |
| | | o Crown Agents and g | | | rea anthu | 239 | vasti. | 0.6 |
| | Majesty's Gove | rnment and Local ishments) | Authorities (of | ther than | | 5, 880 | Allw | 15.4 |
| | | airers, builders er productive un | | utilities, and | | 17,463 | oh ta | 45.8 |
| Whol | lesalers, merch | ants and other a | gents for resale | 9 | | 4,361(a) | | 11.4 |
| | ailers, including resale | ng multiple shop | s, caterers and | N. A. A. F. I., | | 148 | 08 | 0.4 |
| Othe kin | | including farmer | s) and institut: | ions of all | | 1,015 | 30 | 2.7 |
| Memb | pers of the pub | lic, including en | mployees | | | 253 | | 0.7 |
| To | otal sales to in | ndependent buyer | S. Aser-ar Deuteo | | 108. 101. | 29,761 | (6) | 78.1 |
| To | otal av allow a | | | | te values | 38,101(b) | to: : | 100.0 |

(a) Of this total £4,103,000 was recorded as divided between £454,000 for export and £3,650,000 for other sales.

(b) This total represents the total shown in Table 23 (£38,737,000), less the amount charged for roadmaking and other work done (£469,000) and the value of minerals raised and used in roadmaking (£168,000).

Production, exports and imports of certain principal products (a)

TABLE 12

| chased materials and | Production (b)(c) | Exports | Retained imports | |
|---|-----------------------|---------------------|---------------------|-------------------|
| | | Th. tons | Th. tons | Th. tons |
| Brick-earth and clay (e) | | | | minimadeM- |
| China clay | {1948 1935 | 618 747 | 336 430 | or card - loss |
| Fireclay | { 1948 1935 | 1, 942 2, 303 | 45 30 | (f) 6 |
| Brick-earth and other clay (including potters' clay, ball clay and shale, other than oil shale) | [1948 [1935 | 16,687(d) 27,040 | 144 76 (g) | 16 12 |
| Flint and chert | \[1948 \] \[1935 \] | 148 57 | Manua spienioni | 12(h) 27(h) |
| Fluorspar | \[1948 \\ 1935 \] | 57 (d) 25 | 2 5 | |
| Felspar and china stone | 1948 1935 | 86 45(1) | 1 10 | 15(j) 25 |
| Gypsum, not calcined | {1948 1935 | 758 912(k) | ensitemen tot ste | 37 (k) 122 (k) |

(a) Figures of sales (or production) refer only to larger establishments in Great Britain (1948) or the United Kingdom (1935). All recorded exports from and imports into the United Kingdom are given in the table. The figures, therefore, are not strictly comparable.

(b) Sales in 1948 and production for sale in 1935.

(c) Including sales (o (d) Partly estimated. Including sales (or production) by establishments classified to other trades.

(e) Including brick-earth and clay raised by establishments classified to the Brick and Fireclay Trade.

(f) Included with "Brick-earth and other clay".

Excluding potters' clay.

Flint, unground, only.

(i) China stone only.

(j) Raw felspar only.

(k) Including alabaster.

Purchased materials and fuel

Larger establishments

TABLE 13

| cricos (b) (c) Exponts Sepanned | Materia | | II | A GUGA |
|--|----------------------|----------------|---|-------------|
| | fuel pu | | Usage of purchased materials and fuel | |
| | Quantity | Cost | Quantity | Cost |
| terials () | Th.lbs. | £1000 | and clay (e) | \$,000 |
| Explosives for blasting | 8,267.7 Th.cu.ft. | 541 | | a Branco |
| Hardwood | 240.9 | 53 | | |
| are democrated the part of the representative as seems | Th.stds. | | Ass. | RECOURT |
| Softwood | 3.6 | 104 | eso mante lone o | naa-sio tma |
| | Th. tons | IIsd | g potters' cher | (thusbul) |
| Iron and steel | 8.8 | 221 | analej coner ch | bris Kafo |
| Limestone | 108.8 | 52 | | |
| Other minerals (including gypsum and anhydrite, crude and dressed or ground) | Hones & Mari | 390 | | 2,511(c |
| Tar and pitch | 169.9 | 1,261 155 | | Topenous |
| Consumable tools | 1968 | 174 | armta antici | ans angere |
| Replacement parts for machinery | TO DESTRUCT AND | 2,026 | | |
| Packing materials | 1.8801 | 605 | beatotas | den muage |
| All other purchased materials | for only to large | 2,492 | E TO ROJAN 10 | e) Figure |
| el and electricity | | or saler or | Th. tons | Sales (6 |
| Coal | 447.3 | 1,250 | 501.9 | 521 |
| Coke | 216.8 | 806 | 64.4 | 70 |
| milities of the parties, here the engagement | Th.B.T.U. | ette elle ette | Th.B.T.U. | DULDING (1 |
| Electricity purchased (d) | (kW.hrs.) | | (kW.hrs.) | anisa (n |
| From public supply | 175,762 | 910 | Tagado enga | 1) Rawece |
| From other sources | 5, 576 | 21 | 73,907 | 257 |
| Electricity obtained from other works under the same ownership | 16,759 | 55 | | ron Poster |
| Motor spirit (petrol) and derv. fuel | Th.galls. | els raider | | |
| Used for road vehicles | 6,278 | 563 | | (0) |
| Used for other power purposes | 4, 127 | 285 | | (e) |
| | | | | |

TABLE 13 (contd.)

| | 1948 | (a) | 1935 | (b) |
|--|--------------------|------------------|---|-----------|
| Tasy to bus pt | Materia fuel pu | als and irchased | Usage of purchased materials and fuel | |
| | Quantity | Cost | Quantity | Cost |
| | Th.galls. | £! 000 | Th.galls. | £1000 |
| Fuel and electricity (contd.) | | | | |
| Other oil fuel (including creosote/pitch mixtures) | 5,818 Th.therms | 256 | 5,398 | 112(f) |
| Cas purchased | | | eristinup bas e | morab sa3 |
| From public supply | 46 | 2 | | |
| From other sources | -27 | | Mevers | bae baile |
| Gas obtained from other works under the same ownership | _ | and par | res date-det | (e) |
| All other purchased fuel | •• | 33 | tipuborg bedata | 12 29830 |
| Total | | 12,305 | concord become | 3,471 |

- (a) Great Britain only.
- (b) United Kingdom.
- (c) Including fuel not specified separately.
- (d) The total quantity of electricity consumed in 1948 was 290,831,000 B.T. units including 92,734,000 generated in the same works.
- (e) Not recorded separately.
- (f) Described as "Heavy fuel oil".

Employment and remuneration (a)

Larger establishments

Stocks of finished products and stocks of materials and fuel, 1948

Larger establishments in Great Britain

TABLE 14

| Desadorum 10 sassu. | ons als | fracer | At beginning | g of year | At end o | f year |
|--|---------------|-----------|--------------|-----------|-----------------|----------|
| igut. | DESTROYE TELL | | Quantity | Value | Quantity | Value |
| | 0 400 | | Th. tons | £'000 | Th.tons | £'000 |
| Finished products | | 18/18/18/ | | | | |
| | | | | (sbin | destractus (ec | bas tson |
| Igneous rocks | | | 490 | 180 | 718 | 287 |
| Limestone or dolomite | | | 302 | 125 | 424 | 178 |
| Sandstone and quartzite | | | 7.4 | 55 | 98 | 67 |
| and the second of the second o | | 94 | | | duplic shipply | 8 |
| Sand and gravel | | { | 421 | 56 | 631 | 82 |
| (a) | | | | 8 | •• | 16 |
| Clay, brick-earth, marl | and shale | | 371 | 331 | 491 | 475 |
| Other finished products | | | •• | 108 | or perciseed to | 166 |
| Total finished product | S AND AND A | | 18909 | 863 | | 1,281 |
| Materials and fuel | | | | 1,467 | retor oterials | 1,909 |

TABLE 15

| TABLE 13 | | | 14 3 22 | dista. | Control of the Contro | | |
|-----------------------------|-----------------|--|----------------|--------------|--|---------|--|
| annual remuneration paid in | | number of | | trative, | То | tal | |
| | operatives | | clerical e | mployees (b) | | | |
| quarter quarter | 1948(c) | 1935 (d) | 1948(c) | 1935 (d) | 1948(c) | 1935(d) | |
| Males | | | | | | | |
| Under 18 | 1,412 | 2,174 | 158 | 147 | 1,570 | 2,321 | |
| All ages | 39,961 | 49,155 | 3,951 | 3,073 | 43,912 | 52,228 | |
| Females | | | | Iso | inelo pue le | oldings | |
| Under 18 | 12 | 2 | 193 | 48 | 205 | 50 | |
| All ages | 116 | 19 | 1,206 | 417 | 1,322 | 436 | |
| Total | : | Control of the Contro | | | | | |
| Under 18 | 1,424 | 2,176 | 351 | 195 | 1,775 | 2,371 | |
| All ages | 40,077 | 49,174 | 5,157(e) | 3, 490 | 45,234 (e)(f) | 52, 664 | |
| co. estearen Masanfaciona | | • | | x_{j} | (g) | | |
| Total remuneration | £'000 13,091 | •• | £'000 2,229 | •• | £'000 15,319 | | |

(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):-

> Canteen workers 26 males 131 females Other workers 610 males 55 females

(b) Number at September 25, 1948, and October 12, 1935.
(c) Great Britain only.
(d) United Kingdom.

(e) There were, in addition, 133 working proprietors (131 males and 2 females) in 1948. Working proprietors are included in the 1935 figures.

The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £383,000.

(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 | Operatives 377 | Administrative, technical and clerical employees |
|--|-------------------|--|
| Maintenance and repair of firms' buildings, but not plant | 35 | |
| Research work not directly connected with current production however charged | 3 | 33 |

Payments for certain services, 1948

Wages and salaries paid, 1948 (a) Larger establishments in Great Britain

TABLE 16

| TABLE 14 | Amount | Est | ablishments | s making ret | urns for th | e calendar | year Make | | | | | |
|--|----------------|------------|-----------------|--------------|-------------|-------------|--------------|------------------|-------------------|---------------|----------------|------|
| Total . | paid by all | Amount | Per | centage of a | nnual remun | eration pai | d in | | | | | |
| | | establish- | establish- | establish- | establish- | establish- | ablish- paid | First quarter | Second quarter | Third quarter | Fourth quarter | Year |
| | £1000 | £' 000 | 77.7000000 0000 | | | | | | | | | |
| Wages and salaries of Operatives | 13,091 | 7, 431 | 23.6 | 25.6 | 25•2 | 25.6 | 100.0 | | | | | |
| Administrative, technical and clerical employees | 2,229 | 1,216 | 23.9 | 24•3 | 24.9 | 27.0 | 100.0 | | | | | |
| Total | 15,319 | 8,647 | 23.6 | 25.4 | 25.2 | 25.8 | 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 £165,000.

Larger establishments in Great Britain

TABLE 18

| Carry 21 Commence of the Comme | | | Amount pai | ld |
|--|----------------------|---|----------------|----------|
| anotota. | KUDQA | | £'000 | |
| Repair and maintenance | | | | |
| Of buildings | | | 96 | |
| Of plant, machinery and vehicles | | Technosis | 769 | |
| Unclassified | | | 442 | |
| Hire of plant, machinery and vehicles | | 1 2 200 | 1,360 | |
| Advertising and market research Advertising in newspapers, magazines and periodi Other advertising services (poster display, despectivulars, etc.) and market research Unclassified | oatch of | tibnapko (pilava naitoakana itas raprai | 14 10 11 | TRBEE 20 |
| Payments made for research work To research associations To universities, institutions, academic bodies and similar agencies | | cod:s and lend (b) | enthinage b | |
| To other commercial concerns | | | | |
| Postage, telephone, telegrams and cables | | the trestation to the s | 129 | |
| Commercial insurance premiums | | | 368 | |
| Rates (excluding water rates) payable in the year | Thelend Viwen bas | t pus gantāring bio | 186 | |

Note - Mining royalties payable by establishments in this trade, together with notional rent as determined for Mineral Rights Duty, amounted to £746,000.

Plant, machinery and vehicles acquired and disposed of, 1948

Larger establishments in Great Britain

TABLE 19

| 00013 | Acquis | Disposals | | | |
|---------------------------------------|----------------|-------------|-----------|--|--|
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | New | Second-hand | Disposais | | |
| 98 | £' 000 | £! 000 | £' 000 | | |
| Plant and machinery | 2,777 | 331 | 216 | | |
| Vehicles | 557 | 120 | 66 | | |
| Total | 3 , 335 | 451 | 282 | | |

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

Larger establishments in Great Britain

TABLE 20

| | | £! 000 | £' 000 |
|----|---|-----------------------------------|--------|
| 1. | Capital expenditure on building work (a) | | 228 |
| 2. | Existing buildings and land (b) | | |
| | (i) Capital cost of freeholds bought | 331 | |
| | Estimated capital value of | | |
| | (11) Rented property newly occupied in the year (c) | 94 | |
| | (111) Leasehold buildings and land newly occupied in the year | T aris see (toxica assessmention) | |
| | Total of heading 2 | State of Second and Second Second | 617 |
| | Total of headings 1 and 2 | | 845 |
| 3. | Existing buildings and land relinquished (d) | | |
| | (1) Selling value of freeholds sold | 28 | |
| | (ii) Estimated value of other properties relinquished | 63 | |
| | Total of heading 3 | | 91 |
| 4. | Headings 1 and 2 less heading 3 | | 754 |

(a) Excluding site value which, where appropriate, is included in heading 2(1).

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

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.

1948 Summary

Larger establishments

TABLE 21

| Wales Scotland Britain | \$110 -915 | England | Wales | Scotland | Great Britain |
|--|---------------|---------|--------|----------|------------------|
| remains products 98 28 Th. fools | | £1 000 | £1 000 | £1 000 | £' 000 |
| Gross output (production) | | 30,032 | 3,826 | 7,582 | 41, 440 |
| Cost of materials and fuel used | 1.2 | 8, 117 | 860 | 2, 886 | 11,864 |
| Payment for work done on materials given out | | 42 | - | 123 | 165 |
| Net output | | 21,874 | 2,966 | 4, 573 | 29, 412 |
| Wages and salaries of persons employed | | 11, 172 | 1, 568 | 2, 579 | 15, 319 |
| | | No. | No. | No. | No. |
| Average number of persons employed | | 32, 454 | 4,823 | 8,090 | 45, 367 |
| | | 2 | £ | £ | |
| Net output per person employed | | 674 | 615 | 565 | 648 |
| Stocks at end of year | | £' 000 | £! 000 | £! 000 | £1 000 |
| Finished products | | 1,088 | 74 | 119 | 1,281 |
| Materials and fuel | | 1,594 | 227 | 88 | 1,909 |
| | | No. | No. | No. | No. |
| Number of establishments | | 780 | 111 | 175 | 1,066 |

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

| | - | | | |
|--|---------------|--------|----------|--|
| ing concrete blocks, slabs, | England | Wales | Scotland | Great Britain |
| Output of firms in this trade | £' 000 | £' 000 | £' 000 | £1 000 |
| Total value of sales (see Table 23) (a) | 27,831 | 3, 590 | 7,317 | 38,737 |
| Adjustment for changes in stocks | + 394 | + 20 | + 5 | + 418 |
| Estimated value of transport of quarry products carried out by firms' own | 1500 August 1 | | | The state of the s |
| employees (a) | 1,900 | 220 | 280 | 2,400 |
| Limestone or dolomite | 30, 125 | 3,830 | 7,602 | 41, 555 |
| Less payment for transport by other firms in connection with work done (a) | 92 | 4 | 19 | 115 |
| Gross output (production) | 30,032 | 3,826 | 7,582 | 41, 440 |
| Materials and fuel used by firms in this trade | | | | |
| Purchases (see Table 24) | 8,496 | 911 | 2,898 | 12, 305 |
| Adjustment for changes in stocks | - 379 | - 51 | - 12 | - 442 |
| Materials and fuel used | 8, 117 | 860 | 2,886 | 11,864 |
| (a) | | | | |

(a) Sales of quarry products were recorded at "ex-quarry" prices; payments for transport by other firms of goods sold were not ascertained.

Summary

Small firms

TABLE 22

| INDLL 22 | | | | | | | |
|---------------|---------------------|-------------|-------|---------|---------|----------------|------------------|
| JeenD . | AND FRANCE | Dollar. | 5.000 | England | Wales | Scotland | Great Britain |
| JILES 278 | | | | | | 12(3)(0)(3)(1) | |
| Number of ret | turns 000 12 | | - 60 | 864 | 61 | 89 | 1,014 |
| Average numbe | er of persons en | nployed (a) | 198 | 1,08 | | (production) | andano saous |
| Males | 1 . 868 . 3 · 1 · 1 | 008 | | 4, 481 | 377 bea | 502 | 5, 360 |
| Females | | | S.8 | 153 | 6 | 10 | 169 |
| Total | 8,579 | 1, 508 | ST | 4,634 | 383 | 512 | 5, 529 |

(a) Including working proprietors.

Sales in the trade

Larger establishments

TABLE 23

| TABLE 23 | A PARTICIPATION | (0 4-48) STITE | V See State Strain | | | |
|---|-----------------|----------------|--------------------|----------|---------------|--|
| בי 200 . בל הכיות, בפושבו ליום בפוסספינה | England a | and Wales | Scotl | and | Great B | ritain |
| Sandstone and paartaits | Quantity | Value(a) | Quantity | Value(a) | Quantity | Value (a) |
| Principal products | Th. tons | £! 000 | Th. tons | £' 000 | Th. tons | £' 000 |
| Igneous rocks | | (c) | 100 | | L. Table | III MARKET TO THE RESERVE TO THE RES |
| For use as building stone (including monumental stone) | 2.88 | 1.50 | 501 | 358 | 2,83 | ascine. |
| Crude | 32 | 26 | 17 | 26 | 49 | 52 |
| Other | 20 | 264 | 36 | 122 | 56 | 387 |
| For use as kerbs and setts | 4,686 | 238 | 600 | - 38 | Table . | |
| Crude | 10, 25 | 8, 2 | 36 | 27 | 36 | 27 |
| Other | 9 | 40 | 32 | 106 | 41 | 146 |
| For use as road stone (including chippings) and ballasting | 2.00 | 563 | | bno (s | aniquina an | osu and |
| Crude | 321 | 128 | 467 | 149 | 788 | 277 |
| Other | | 113 | .000 | | | 90010 |
| Dry | 3,833 | 2,372 | 1,647 | 949 | 5, 480 | 3, 321 |
| Tarred (b) | 859 | 1,066 | 1,016 | 1,262 | 1,875 | 2, 328 |
| For artificial stone (including concrete blocks, slabs, etc.) | 325 | 68 | | axoofd | iciel stone | Tre des |
| Crude |) | | | | 20 | 4 |
| Other | 231 | 129 | 137 | 70 { | 348 | 194 |
| For all other purposes | 227 | 143 | 95 | 54 | 322 | 197 |
| Total igneous rocks | 5, 533 | 4, 168 | 3, 482 | 2,765 | 9,014 | 6,933 |
| Limestone or dolomite | 388 | 10, 201 | 1. 900*11 | | to adorage of | Liston |
| For fluxing in blast furnaces | - | 1 22 | - | | tation pas | Sendstone |
| Crude | | (c) | •• | (c) | 1,506 | 528 |
| Other | | (c) | - • • | (c) | 684 | 269 |
| For use as refractory materials | 10,904 | 8, 987 939 | 19703 | abu | , (bush son | in bits |
| Crude | | (c) | | (c) | 233 | 104 |
| Other | 425 | 1,653 | 7 | | 425 | 1,653 |
| DS 41907/1 | | | | | | TV. DOTE BO |

TABLE 23 (contd.)

| | England | and Wales | Great | Britain | | |
|--|------------|-----------|-------------|----------|-------------------|--------------------------|
| | Quantity | Value(a) | Quantity | Value(a) | Quantity | Value(a) |
| Principal products (contd.) | Th. tons | £'000 | Th. tons | £' 000 | Th. tons | £! 000 |
| Limestone or dolomite (contd.) | W- yakinsi | ue (a) | antity va | 9 | | EATORIN |
| For the manufacture of lime (d) | in tone | 000 % | anos a | cal | iducts es | Principal pr |
| Crude | 821 | 231 | | - | 821 | 231 |
| Other | 152 | 92 | 63 | 76 | 215 | 169 |
| For the manufacture of cement | 43 | 98 | 88 | | | Grude |
| Crude | 98 | (c) | 08 | (c) | 274 | 79 |
| Other | 112 | 57 | | atiea | 112 | 57 |
| For use as building stone (including monumental stone) crude and other | 324 | 351 | 0_ | - | 324 | 351 |
| For use as roadstone (including chippings) and ballasting | | | | bns (a | ng chipping ng | buloni) Jeallad |
| Crude | 856 | 271 | 7 | 4 | 863 | 275 |
| Other | 1, 647 | 378 .5 | 888.8 | 63 | 7.060 | 1,696 |
| Dry | 2,966 | 1,633 | 104 | | 3,069 | retar |
| Tarred (b) For artificial stone (including concrete blocks, slabs, etc.) | 1,810 | 2, 365 | 93 | 117 | 1,903 | 2,481 |
| Crude | 38 | 10 2 | } | - { | 38 | 10 2 |
| Other | 136 | 82 | . 153 | - 26 | 136 | 118 4 82 . |
| For all other purposes | 3,765 | 2, 531 | 173 | 238 | 3,939 | 2,769 |
| Total limestone or dolomite | 14,006 | 10,201 | 535 | 552 { | 14,541 | 10,754 |
| Sandstone and quartzite (including ganister) For refractory purposes (including ganister, silica rock, silica stone | 9.0 | (0) | | | | eosmut sbuto reard |
| and silica sand), crude and other | | (c) | •• | (c) | 544 | 388 |
| | . ** | (0) | | | | |
| | 1. * | 1, 688 | 425 | | | |
| DS 41907/1 | | | | | | |

TABLE 23 (contd.)

| (a) ouisv vaine(a) | England and Wales | | Scotl | and | Great Britain | | |
|--|-------------------|---------------------------------|--------------|--------------|-------------------|--|--|
| ood 12 montant 12 montan | Quantity | Value(a) | Quantity | Value(a) | Quantity | Value(a) | |
| Principal products (contd.) | Th. tons | £1000 | Th. tons | £'000 | Th. tons | £1 000 | |
| Sandstone and quartzite (including ganister) (contd.) | | | | *sete | energos bas | talactil .ode | |
| For all purposes other than refractory | Tot - sia | (c) | \$55 8180 | (c) | 1,738 | 1,540 | |
| Total sandstone and quartzite | 2, 118 | 1,767 | 163 | 162 | 2, 282 | 1,929 | |
| Sand and gravel Building sand and gravel | - 4 | 58 | 33 - | | | abimi) restate | |
| Crude | 4,095 | 885 | 460 | 88. | 4, 556 | 972 | |
| Other | 10, 345 | 3, 171 | 472 | 154 | 10,816 | 3,325 | |
| Sand for road-making and for ballast | | 4.2 | | bruota a | ballance, be | BERTO - C. | |
| Crude (3) | 2,011 | 563 192 | 123 | 44 | 1,382 | 330 39 | |
| Other | | 89 | 1.38 | | 752 | 277 153 | |
| Moulding and pig-bed sand | , | | | of lune. | er tel o al criam | of right | |
| Crude | 493 | 209 | 58 | 56 | 336 | 124 | |
| Other | 1 | - voi | 788 | 1 | 215 | 141 | |
| Sand for other refractory purposes | 125 | 63 | 788 | ens anien | 125 | 63 | |
| Glass-making sand | | of stone | | As Sac a | Term amada | A STATE OF THE STA | |
| Crude | due for their | (c) | the or | (c) | 43 | 15 | |
| Other | dr the see | (c) | 4 | (c) | 406 | 297 | |
| Sand for artificial stone (including concrete blocks, slabs, etc.) | | and has been been and the total | Die State in | i mineselida | of treet by an | 2007725 | |
| Crude | 45 | 11 | 81 _ | - | 45 | bacterio 11 | |
| Other | 328 | 105 | 25 | 8 | 353 | 114 | |
| Sand and gravel for all other purposes | ··· | (c) | | (c) | 2,259 | 774 | |
| Total sand and { | 19,994 | 5,967 200 | 1,294 | 477 | 21,287 | 6,445 | |

TABLE 23 (contd.)

| MARKET AND | England a | and Wales | Scot | land | Great 1 | Britain |
|---|-----------|-----------|------------|------------|-----------------------------|-----------------------|
| piatria Jemā | Quantity | Value(a) | Quantity | Value(a) | Quantity | Value(a) |
| Principal products (contd.) | Th. tons | £1 000 | Th. tons | £' 000 | Th. tons | £' 000 |
| Clay, brick-earth, marl, shale, fireclay and potters' clay, | | 0+00012 | to emotati | siona (.4) | nom), tak pubor | Printipal p |
| etc. | | | | (.b3 noo) | and quartus is saniater) | anosabna8 lbufani) |
| Fireclay (including sagger marl), crude and other | 482 | 478 | 101 | 115 | 583 | 594 |
| China clay | 618 | 2,411 | | 1 1 | 618 | 2, 411 |
| China stone | | 485.17 | 821.5 | 1 29 1 | e emasones | TEMP 180 |
| Crude | 64 | 160 | | 1 | 64 | 160 |
| Other . | 22 | 64 | - | Cavan | 22 | 64 |
| Shale (other than oil shale), crude | 0.0 | (c) | a90 • | (c) | 121 | 27 abumo. |
| Ball clay | | Tri s | 10,845 | | | rendo |
| Crude | 263 | 599 | - 1 | | 263 | 599 |
| Dressed, washed or ground | 9 | 42 | - 1 | | 9 | 42 |
| Other clay, crude and other (including crude potters' clay) | 88t | (c) | tio's | (c) { | 149 | 121 25 |
| Marl, crude and other | 139 | 28 | - 1 | - | 139 | 28 |
| Chalk | | | | Name of | edes to bus a | ath from |
| For the manufacture of lime, crude and other (d) | 98 | 88 | 104 - 1 | - | 98 | 88 |
| For the manufacture of cement, crude | 967 | 107 | 93 - 1 | - | 967 | 107 |
| For other purposes (road-making, etc.), including the manufacture of whiting | 227 | 127 | 128 | - | 227 | 127 |
| Flint and chert, crude and other | 30 | 31 | | - , | 30 | 31 |
| Fluorspar, crude | 14 | 44 | } | - { | 14 | 44 9 |
| Barytes and witherite | | 10,588 | 378 | stones / | Leislitais i | 12 Br0580 |
| Crude and ground, unbleached | 14.000 | (c) | •• | (c) | 86 | 398 |
| Ground, bleached | 18 | 142 | 45 | | 18 | 142 |
| Gypsum (not calcined) other than crude | 204 | 206 | 888 - | - | 204 | enzo 206 |
| Other non-metalliferous minerals (including fluorspar, other than crude; | | (9) | +10 | Lis | d grave tot | sand or |
| gypsum (not calcined), crude; anhydrite, crude and other; Fuller's earth, crude and | 1, 294 | 5,987 | 4 741 | 2, 418 | 2,050 | 4, 130 |
| other; oil shale; crude petroleum and crude oil) | 709 | 1,712 | 1,341 | 2,418 | 2,000 | 306 |
| Total principal products | | 29,053 | | 6,868 | | 35,921 |

TABLE 23 (contd.)

| TABLE 23 (CONTO.) | | | | | | | | | | |
|--|-----------|--------------|----------------|------------------|---------------|-----------------------------|------------|--|--|--|
| | England a | nd Wales | Scotl | and | Great Britain | | | | | |
| table 1% (epote.) | | Quantity | Value(a) | Quantity | Value(a) | Quantity | Value(a) | | | |
| Other output | | Th. tons | £¹ 000 | Th. tons | £' 000 | Th. tons | £,000 | | | |
| Sulphate of ammonia | dac0 | D Opt I dans | . Costaco | 18 | 204 | 18 | 204 | | | |
| Lime | 20013 | the Westmen | L'00@0013 | h - Geigean | 61800 | The the role. | | | | |
| White lime, lump or gr and hydrated | round, | 594 | 1,319 | 8 | 26 | 602 | 1,345 | | | |
| Hydraulic or other lim | ne, | 13 | 19 | 34 083 **- | | 13 | 19 | | | |
| Metalliferous ores | | 8.81 | 53 8 | } | - { | 1 | 53 8 | | | |
| Manufactures of concrete | | San Time | 357 | Enough Enough | 10 | 3.038 | 368 | | | |
| Manufactures of bituminous products | | 12 | 31 | 33 | 46 | 45 | 78 | | | |
| Other goods (including gypsum and whiting) | | | nalish (S) ini | ink to their | epuro le | kanyana ban Jarig mengan | 215 | | | |
| | | 8.04 | 219 | 8.011 | 54 | Th.B.T.U. (kW.hrs.) | one met | | | |
| Electricity sold | |) | 146 | | | 20,695 | 58 | | | |
| Work done (e) | | | 038.1 | | 1 | 11 edisq die | Replaced | | | |
| Roadmaking (f) Other work | 715 | | 175 186 | | 58 50 | aterlals | 233 236 | | | |
| Total | BCR.1 | | 31, 421 | *** | 7,317 | | 38,737 | | | |

(a) At ex-quarry prices.
(b) The quantities shown represent the weight of stone prior to the addition of tar.
(c) Owing to the risk of disclosure of information relating to individual firms separate figures cannot be given.

(d) Exclusive of the quantity raised and used at the quarry in the production of lime; particulars of the output of lime are given later in the table.

(e) Amount charged.

(f) Excluding the values of minerals raised and used by the firms in the work, which are included in the appropriate mineral output figures shown. The total value of the minerals raised and used in road-making was recorded as £168,000; £72,000 for England and Wales, and £97,000 for Scotland.

Purchased materials and fuel

Larger establishments

| TABLE 24 | | | (a) sulai | Quantity: | | MAZZERIOL CO | 4 0.2. (40.2. to 2) | |
|-------------------------|--------------------------------------|---------------------------------|-----------------|-------------------------------|--------------|---------------------------------|---------------------|--|
| 00013. | A COOR TO CONS | | nd and | Scotl | and | Great Britain | | |
| | suspossers, capp | Quantity | Cost | Quantity | Cost | Quantity | Cost | |
| Materials | cincluding ragger - | Th.lbs. | £! 000 | Th.lbs. | £'000 | Th.lbs. | £'000 | |
| Explosives Hardwood | s for blasting | 7,212.4 Th.cu.ft. 230.5 | 465 51 13 | 1,055.2 Th.cu.ft. 10.4 | 75 2 3 | 8,267.7 Th.cu.ft. 240.9 | 541 53 15 | |
| Softwood | | Th.stds. 0.8 | 35 33 | Th.stds. 2.8 | 69 | Th. stds. 3.6 | 104 | |
| Iron and s | steel | Th. tons | 201 | Th. tons | 20 = 7 | Th.tons | 221 | |
| | erals (including | 108.7 | 52 | st - | | 108.8 | 0.810.52 | |
| | nd anhydrite, crude sed or ground) | | (a) | 1 | (a) | and dilting) | 390 | |
| Tar and pi | ltch | 119.2 | 816 112 | 50.6 | 445 43 | 169.9 | 1,261 155 | |
| Consumable | e tools | 1.79 | 146 | 1 | 28 | bles wit | 174 | |
| Replacemen machinery | nt parts for | •• | 1,850 | | 176 | e (e) : | 2,026 | |
| Packing ma | aterials | | 532 | 1 | 73 | (1) Shirt | 605 | |
| All other | purchased materials | 3.67 | 1, 194 | | 1,298 | Marian | 2,492 | |
| Fuel and ele | ectricity | 1000 | 127 | 1 | | | 187 | |
| Coal | ition of that | 300.2 | 909 | 147.1 | 341 | 447.3 | 1, 250 | |
| Coke | ty purchased | 216.0 Th.B.T.U. (kW.hrs.) | 804 | 0.9 Th.B.T.U. (kW.hrs.) | raoloal3 | 216.8 Th.B.T.U. (kW.hrs.) | 806 | |
| | og parenasea | ne mable. | 791 | 22,826 | 118 | 175,762 | 910 | |
| | olic supply | 152,936 | /91 (a) | aa, bab | (a) | | 21 | |
| | ner sources | ew bas basi | (a) | 1000 solia | (a) | 7 88W 201390 | paor 148 | |
| | cy obtained from ks under the ersnip | ••. | (a) | | (a) | 16,759 | 55 | |
| Motor spir and derv. | rit (petrol) fuel | Th.galls. | | Th.galls. | | Th.galls. | | |
| Used for | road vehicles | 5,684 | 507 | 594 | 56 | 6,278 | 563 | |
| Used for purpose | other power | 3,686 | 256 | 442 | 30 | 4,127 | 285 | |
| creosote/ | fuel (including /pitch mixtures) | 4,882 | 213 | 936 | 43 | 5,818 | 256 | |
| DS 41907/1 | | | | | | | | |

TABLE 24 (contd.)

| -intro- | | nd and les | Scotl | and | Great Britain | | |
|---|------------|---------------|------------|-------|---------------|---------|--|
| 100000000000000000000000000000000000000 | Quantity | Cost | Quantity | Cost | Quantity | Cost | |
| Fuel and electricity (contd.) | Th. therms | £! 000 | Th. therms | £1000 | Th. therms | £1 000 | |
| Gas purchased | | | | | | | |
| From public supply | 44 | 2 | 1 | - 3 | 46 | 2 | |
| From other sources | - | <u>-</u> | - | _ | | - | |
| Gas obtained from other | | | | | | | |
| works under the same ownership | - 4. | | | - | - | - | |
| All other purchased fuel | •• | 27 | •• | 6 | •• | 33 | |
| Total | | 9,407 | | 2,898 | | 12, 305 | |

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

Employment and remuneration

Larger establishments

TABLE 25

| THE RESERVE AND ADDRESS OF THE PARTY. | - L - pando / 48 | | | | | | | | 3.1841 |
|---------------------------------------|------------------------------------|------------------------|------------------|------------------------------------|------------------------|-----------------|----------------------|------------------------------|------------------|
| 7 | Engl | and and Wal | es | S | cotland | | Great Britain | | |
| dedas acteurs | | Admini- strative, | | Arramama | Admini- strative, | Lei d | Average | Admini- strative, | |
| tings., coac, | Average number of operatives | technical and clerical | Total | Average number of operatives | technical and clerical | Total | number of operatives | technical and clerical | Total |
| A Doolly Ismaanad | igar (1.0 | employees (a) | edd reif | 1 06/00013 | employees (a) | | ity (centd | employees (a) | Saleun |
| Males | Secretary of | | | | 1.055.8 | | 8.00 | purchased o | Seaso |
| Under 18 | 1,088 | 135 | 1,223 | 324 | 23 | 347 | 1,412 | 158 | 1,570 |
| All ages | 32, 599 | 3,449 | 36,048 | 7,362 | 502 | 7,864 | 39,961 | 3,951 | 43,912 |
| Females | | | | | 2.8 | | S Samme | namensy no | |
| Under 18 | 9 | 160 | 169 | 3 | 33 | 36 | 12 | 193 | 205 |
| All ages | 98 | 1,030 | 1, 128 | 18 | 176 | 194 | 116 | 1,206 | 1,322 |
| Total | | 108 | .00 | | | | gsed füel . | other purici | III. |
| Under 18 | 1,097 | 295 | 1,392 | 327 | 56 | 383 | 1,424 | 351 | 1,775 |
| All ages | 32,697 | 4,479(b) | 37,176 (b)(c) | 7,380 | 678(b) | 8,058 (b)(c) | 40,077 | 5, 157 (b) | 45,234 (b)(c) |
| Total | £! 000 | £'000 | £! 000 | £!000 | £1000 | £'000 | £'000 | ี | £' 000 |
| remuneration | 10,756 | 1,984 | 12,740 | 2, 335 | 245 | 2, 579 | 13,091 | 2,229 | 15,319 |

(a) Number at September 25, 1948.
 (b) There were, in addition, 133 working proprietors (131 males and 2 females) in Great Britain; 99 males and 2 females in England and Wales, and 32 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 \$383,000; \$318,000 for England and Wales, and \$66,000 for Scotland.

Monthly index of employment of operatives: Larger establishments (average employment in 1948 = 100)

TABLE 26

| ************************************** | Mor | nthly index | (a) | | Monthly index (a) | | | |
|--|-------------------------|-------------|------------------|---|----------------------|----------|------------------|--|
| Month | Month England and Wales | | Great Britain | Month | England and Wales | Scotland | Great Britain | |
| 1948 | | | | 1948 | | | | |
| January | 97.0 | 95.2 | 96.6 | August | 100.8 | 101.5 | 101.0 | |
| February | 98.0 | 95.8 | 97.5 | September | 100.4 | 101.0 | 100.5 | |
| March | 99.5 | 99.0 | 99.4 | October | 100.2 | 100.9 | 100.4 | |
| April | 100.8 | 100.2 | 100.6 | November | 100.3 | 101.2 | 100.5 | |
| May | 101.0 | 102.0 | 101.2 | December | 100.1 | 99.9 | 100.1 | |
| June | 101.3 | 101.3 | 101.3 | Percentage employ- | | | | |
| July | 100.7 | 101.9 | 101.0 | ment in this trade covered by the index | 52.1 | 74.6 | 56.3 | |

⁽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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