

BOARD OF TRADE

## THE REPORT on the CENSUS OF PRODUCTION FOR 1951

Volume 5<br>Trade K<br>PRECIOUS M<br><br>Presented by the Board of Trade to Parliament<br>in pursuance of the Statistics of Trade Act, 1947 ( 10 \& 11 Geo. 6, Ch. 39, Sec. 7).

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[HA 251]
    Table No.
    Sumary: Larger ostablishmente
    Sumary:- Small firms
    Estimated average employment: All firm
    Analysis by size. 1951: Larger establishments in the United Kingdom
Analysis by standard region, 1951: Larger establishments in the United Kingdon
Analysis according to specialisation within the trade. 1951: Larger
Analysis according to specialisation,
Total make of intermediate products: Larger establishments
    Sales of the principal products of the trade. including sales of these products
    Total sales by small firms in Great Britain
    Sales of principal products of the trade by establishments classified to other 5/K/6
    Sales in the trade of other than principal products: Larger establishments
    Production, exports and imports of certain principal products
    Usage of certain specified purchased materials, 1951: Larger establishments
    Employment in September: Larger establishments
    Average employment: Larger establishments
    Shift working, 1951: Larger establishments in Great Britain
    Wages and salaries and employers'. National Insurance contributions paid during
    M, (ant.machinery and vehicles-acquisitions and disposals.and capital
    Country tables, 1951
    Summary: Larger establishmen ts
    Summary: Small firms in Great Britain
    Sales in the trade: Larger establishments
    Sales in the trade: Small firms
    Stocks of products on hand for sale and work in progress, and stocks of
    Employment in September: Larger establishments
    Average employment: Larger establishments 5/K/12
5/K/12
    Lmploywent in September: Larger establishments
    Average employment: Small firms
    Wages and salaries and employers', National Insurance contributions paid during Largerestablishments (the year: La, L/W/12
    Plant, machinery and vehicles - acquisitions and disposals,and cupital
    5/K/12
    Mayments for tramsport services for finished goods sold and materials and fuel
            * Not applicable to this trade
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IMPORTANT NOTES and definitions appear on the inside of the back cover of this report. In interpreting the data in the following tables, it is essential to bear these in mind.
Surmary

Larger establishments (a)

| TABLE 1 |
| :--- |

$$
\begin{aligned}
& \text { (a) For small firms sumary see Table }{ }^{2} \text {. } \\
& \text { (b) Corrected figures due to on amended retur }
\end{aligned}
$$

(b) Corrected figures due to an amended return.
(c) Goss output for filisi includes payments to ther firm and undertakings and to firms om separate transport
organ isations for transport services. For other years payments for tramsport services outwards on fini shed (d) Amounts paid for delivery services are excluded for 1951 but included for other years.
(e) Payments to other firms and undertakings and to firms own separate tramsport orgmisations. For 1951 they cover payments for transport of both goods sold and materials and fuel purchased. For other years payment
cover only transport outwards of finished goods sold (f) Excluding outworkers but including working proprietors. For the total number of persons employed in this
(g) Total value of sales (1951, 1950. 1949 and 1948) or production for sale (1937 and 1935).
(h) For details for 1951 and 1988 see Table 8 .
(i) For details for 1951 and 1948 see Table 10 .
(i) For details for 1951 see Table 21 .
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| TABLE 2 | Summary |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Small firms (a) |  |  |  |
|  | Great Britain |  |  |  |
|  | 1951 | 1950 | 1949 | 1948 |
| Number of returns | 15 | 16 | 17 | 18 |
| Average number of persons employed (b) |  |  |  |  |
| Males Females | $\begin{aligned} & 77 \\ & 27 \end{aligned}$ | $\begin{aligned} & 80 \\ & 23 \end{aligned}$ | 81 24 | 85 22 |
| Total | 99 | 103 | 105 | 107 |

(a) Firms employing on the average ten or fewer persons.
(b) Including working proprietors.

Estimated average employment (a) All firms

| TABLE 3 |
| :--- | (a) Including working proprietors.

(b) See Tables 13 ( footnote (f)) and 14 .
(c) See Table 2.

Analysis by size, 1951
Larger establishments in Great Britain

| Average number employed | $\left\lvert\, \begin{gathered} \text { Betablish- } \\ \text { ments } \end{gathered}\right.$ | $\begin{gathered} \text { Gross } \\ \text { output } \end{gathered}$ | $\begin{gathered} \text { Net } \\ \text { output } \end{gathered}$ | Persons <br> employed | Remuneration |  |  | Net output per person employed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Operatives | $\begin{gathered} \text { Other } \\ \text { employees } \\ \text { (a) } \end{gathered}$ | Total |  |
|  | No. | £ 000 | £.000 | No. | £.000 | £.000 | £.000 | $\varepsilon$ |
| 11-24 | 5 | 1.184 | 184 | 94 | 23 | 21 | 44 | 1.963 |
| 25-49 | 4 | 582 | 102 | 136 | 27 | 27 | 54 | 750 |
| 50-99 | 7 | 5.395 | 693 | 531 | 121 | 101 | 222 | 1.306 |
| 100-199 | 4 | 8.932 | 1.078 | 560 | 142 | 133 | 275 | 1.924 |
| 200-999 | 9 | 46.154 | 5.796 | 4.375 | 1.232 | 695 | 1,927 | 1.324 |
| Total | 29 | 62,246 | 7.854 | 5.696 | 1.545 | 977 | 2.522 | 1,379 |

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| Region | $\begin{aligned} & \text { Estab- } \\ & \text { Estish - } \\ & \text { nent } \end{aligned}$ | Grossoutput | Net output |  | Persons <br> employed | Remuneration |  |  | Net output per person employed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | value | $\left\lvert\, \begin{gathered} \text { Percent } \\ \text { ageo of } \\ \text { ootal } \end{gathered}\right.$ |  | Operatives | $\begin{aligned} & \text { Other } \\ & \text { employees } \\ & \text { (a) } \end{aligned}$ | Total |  |
| England | No. | ع 000 | $\varepsilon^{\prime} 000$ |  | No. | \&.000 | \&.000 | \&. 000 | $\varepsilon$ |
| East and West Ridings: Nouthern; and North Wester | 8 | 6.900 | 837 | 10.7 | 621 | 168 | 104 | 272 | 1,347 |
| London and South Eas tern | 13 | 48.266 | 6.154 | 78.3 | 4.388 | 1,222 | 753 | 1.975 | 1.402 |
| Midiand | 8 | 7.081 | 863 | 11.0 | 687 | 155 | 119 | 274 | 1.256 |
| Northem: North Midlend: <br> Eastern; and South Wes <br> South Western | - | - | - | - | - | - | - | - | - |
| Total England | 29 | 62.246 | 7.854 | 100.0 | 5.696 | 1.545 | 977 | 2, 522 | 1,379 |
| Wales | - | - | - | - | - | - | - | - | - |
| Scotland | - | - | - | - | - | - | - | - | - |
| Great Britain | 29 | 62,246 | 7.854 | 100.0 | 5.696 | 1,545 | 977 | 2. 522 | 1,379 |

TABLE 6 - Analysis according to specialisation within the trade, 195 Larger establishments in Great Britain

No specialisation within this trade was distinguished

Total make of intermediate products
Larger establishments in Great Britain

|  | Returned in this trade |  |  | Returned in all trades |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1951 |  | 1948 | 1951 |  | 1948 |
|  | Quantity | Entries | Quantity | Quantity | Entries | Quantity |
| Gold, refined, in bars, etc. | $\begin{aligned} & \text { Th. ozs. } \\ & \text { troy } \\ & 3.982 .3 \end{aligned}$ | No. <br> 8 | $\begin{gathered} \text { ch.0zs. } \\ \text { troy } \\ 3.1315 .6 \end{gathered}$ | $\begin{aligned} & \text { Th. } \mathrm{ozs} \\ & \text { troy } \\ & \text { troy } \\ & \hline .982 .3 \end{aligned}$ |  | $\begin{aligned} & \text { ch.028. } \\ & \text { troy } \\ & \text { troy. } \end{aligned}$ |
| Gold, partly refined, in bars, etc. | 73.9 | .. | 646.3 | 73.9 | . | 646.3 |
| Platinum, refined, in grain, ingot, bar or powder | 338.6 | .. | 236.4 | 338.6 | .. | 236.4 |
| Silver, refined | 43,797.9 | .. | (a) | 46,045.2 | 10 | 31.007 .7 |
| Silver, partly refined | 10.339.5 | $\cdots$ | (a) | 10,339.5 |  | (a) |

[^0](90597/1)

Larger establishments in Great Britain

| TABLE 8 |
| :--- |

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Larger establishments in Great Britain

| TABLE 9 | 1951 |  |  | 1948 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Qurntíty | Value | Entries | Quantity | Value |
| Silver. refined | Th ozs. troy. <br> 2.247 .3 | $\begin{array}{r} £^{\circ} 000 \\ 773 \\ 37 \end{array}$ | No. <br> .. $\{$ | Th. ozs <br> 1,857.3 | $\begin{gathered} £^{\prime} 000 \\ 420(\alpha) \\ 11 \end{gathered}$ |
| Total |  | 810 | .. |  | 431 |

Sales in the trade of other than principal products
Larger establishments in Great Britain

|  | 1951 |  | 1948 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | Value |
|  | Th. tons | ع. 000 | Th. tons | \&.000 |
| Copper and manu factures thereof | 2.4 | $\begin{aligned} & 664 \\ & 554 \end{aligned}$ | 1.5 | 275 |
| Brass and other copper alloys (including nickel silver, but excluding other nickel alloys) and manu factures thereof | 7.4 | 2.185 16 | 4.1 | 514 |
| Nickel and nickel alloys (other than nickel silver) and manufactures thereof | - | - | 0.8 | 178 |
| Other non-ferrous metals and manufactures thereof | . | 554 | .. | 66 |
| Chemical manu factures | . | 3.352 | . | 1.269 |
| Other goods | .. | 2.380 | . | 3.015 |
| Work done (a) |  | 63 |  | 22 |
| Total |  | 9.769 |  | 5.338 |

Production, exports and imports of certain principal products (a) Exports and imports of refined gold and silver do not bear any relation to the quantities
produced at refineries in this country. Particulars relating to other precious metals are given
below.

TABLE 11

| TABLE 11 |
| :--- |

(a) Figures of production (or sales) refer only to larger establishments. All recorded exports from and (b) Smports into the United Kingdo
(c) Re-exports in excess of importe.
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Usage of certain specified purchased materials, 1951 Larger establishments in Great Britain

| Materials used | Quantity |
| :---: | :---: |
|  | Th. cwts. |
| Brass and other copper alloys (including nickel silver, but excluding other nickel alloys) in all forms. except finished parts and scrap | 6.9 |
| Nickel and nickel alloys (excluding nickel silver) in all forms. except finished parts and scrap | 0.5 |

Employment in September
Larger establishments (a)

| TABLE 13 |
| :--- | :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| (i) Operatives |

(ii) Administrative, technical and clerical employees (d)

|  | Great Britain |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1951 | 1950 | 1949 | 1948 | 1937 | 1935 | 1935 |
| Males Under 18 All ages Females | $\begin{gathered} 20 \\ 988 \end{gathered}$ | $899$ | $\begin{gathered} 11 \\ 826 \end{gathered}$ | $\begin{aligned} & 15 \\ & 778 \end{aligned}$ | $\begin{gathered} 12 \\ 373 \end{gathered}$ |  | 364 |
| Under 18 All ages | $\begin{aligned} & 63 \\ & 457 \end{aligned}$ | $\begin{gathered} 49 \\ 402 \end{gathered}$ | $\begin{gathered} 68 \\ 408 \end{gathered}$ | $\begin{aligned} & 41 \\ & 386 \end{aligned}$ | $\begin{gathered} 111 \\ 141 \end{gathered}$ | $106$ | $110^{1}$ |
| Total Under 18 All ages | $\begin{gathered} 83 \\ 1.445(e) \end{gathered}$ | $\begin{array}{r} 60 \\ 1.301(\mathrm{e}) \end{array}$ | $\begin{gathered} 79 \\ 1.234(e) \end{gathered}$ | $\begin{gathered} 56 \\ 1.164(\mathrm{e}) \end{gathered}$ | $\begin{gathered} 23 \\ 514 \end{gathered}$ | $42{ }^{3}$ | $474{ }^{3}$ |


| Great Britain |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1951 | 1950 | 1949 | 1948 | 1937 | 1935 | 1935 |
| 135 4.113 | $\begin{array}{r} 121 \\ 3.868 \end{array}$ | $\begin{array}{r} 146 \\ 3.407 \end{array}$ | $\begin{array}{r} 137 \\ 3.357 \end{array}$ | $\begin{array}{r} 226 \\ 1.826 \end{array}$ | $\begin{array}{r} 151 \\ 1.644 \end{array}$ | $\begin{array}{r} 158 \\ 1.947 \end{array}$ |
| $\begin{array}{r} 158 \\ 1.490 \end{array}$ | $\begin{array}{r} 127 \\ 1.495 \end{array}$ | $\begin{array}{r} 148 \\ 1.336 \end{array}$ | $\begin{array}{r} 121 \\ 1.272 \end{array}$ | $\begin{aligned} & 135 \\ & 501 \end{aligned}$ | $\begin{gathered} 93 \\ 413 \end{gathered}$ | $\begin{gathered} 93 \\ 420 \end{gathered}$ |
| $\begin{gathered} 293 \\ 5.603(\mathrm{e}) \end{gathered}$ | $\begin{gathered} { }_{248}^{248} \\ 5.363(\mathrm{e}) \end{gathered}$ | $\begin{gathered} 294 \\ 4.743(e) \end{gathered}$ | $\begin{gathered} 258 \\ 4.629(e) \end{gathered}$ | $\begin{array}{r} 361 \\ 2.327 \end{array}$ | $\begin{array}{r} 244 \\ 2.057 \end{array}$ | $\begin{array}{r} 251 \\ 2.367 \end{array}$ |


| $\begin{array}{l}\text { Under } 18 \\ \text { All ages }\end{array}$ |
| :--- |

$$
\begin{aligned}
& \text { (a) Excluded employees: } \\
& \text { are not included }
\end{aligned}
$$

$$
\begin{aligned}
& \text { are not incluad } \\
& \text { merchanting ):- }
\end{aligned}
$$

$$
\begin{aligned}
& \left.\begin{array}{l}
\text { Cant een workers } \\
\text { Other workers }
\end{array}\right\} \quad 29 \text { Males } \quad 121 \text { Females }
\end{aligned}
$$

(b) In week ended September 22, 1951. September 30. 1950, and September 24. 1949
(c) Average for the year.
(d) In week ended September 22, 1951. September 30, 1950. September 24, 1949. September 25, 1948. October 16.1937. (e) Working proprietors. In addition working proprietors. shom in Table 13 (iv) below, were engaged in this trade (e) Working proprietors. In addition working proprietors. shom in Table 13 (iv) belo
in larger establishments. The 1937 and 1935 figures include working proprietors.

| (iv) Working proprietors |
| :--- |
|       Great Britain    <br>  1951 1950 1949 1948      <br> Males <br> Females - - 2 2      <br>           |

> Average employment

Larger establishments (a)

| TABLE 14 |
| :--- |

Shift working, 1951 (a)
Larger establishments in Great Britain

## TABLE 15

|  | Total number of man-shifts worked in the week | Total number of shift-hours worked in the week | Number of returns showing the systems stated |
| :---: | :---: | :---: | :---: |
| Continuous 3 shift systems per 24 hours averaging 8 hours per shift <br> Continuous 4 shift systems per 24 hours | 1.015 | 8.366 | 3 |
|  | 459 | 4 | - |
| Other shift systems | 459 | 4. 244 | 3. |
| Total | 1.474 | 12.610 | (b) |



|  | heoums |  | Operatives |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | ${ }_{\text {in }}^{\substack{\text { Total } \\ \text { incrade }}}$ |  |  |
|  | ${ }^{100.0}$ | ${ }^{3,5}$ | $\underbrace{}_{\substack{4158 \\ 1000}}$ | $\begin{gathered} 973.4 \\ \text { and } \\ 2000.0 \end{gathered}$ | $\begin{gathered} 27.5 \\ \substack{27.6 \\ 28.3 .} \end{gathered}$ |

Wages and salaries and employers' National Insurance contributions paid during the year

|  |  | Great Britain |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | 1951 | 1950 | 19 |
| Wages and salaries (a) of Operatives Administrative, technical and clerical employees |  | 1.545 | 1.337 | 1.1 |
|  |  |  |  |  |
|  |  | 977 | 741 |  |
| Total |  | 2.522 | 2.078 | 1.8 |
| Employers' contributions to all National Insurance Schemes |  | 62 | 56 |  |
| (a) Including bonus |  | clud |  |  |
|  |  |  | £ 000 |  |
|  | Great Britain |  |  |  |
|  | 1951 | 1950 | 1949 | 1948 |
|  | 4 | 4 | 5 | 3 |

Plant, machinery and vehicles - acquisitions and disposals, and capital expenditure on new building work

Larger establishments

| TABLE 17 |
| :--- |

COUNTRY TABLES
1951
Note- There were no establi ishments in Wales add no large
establishments in Scotland in the register for this trade.
TABLE 18 - Summary: Larger establishments
See Table 1.

TABLE 19 - Surmary: Small firms
Owing to the risk of disclosure of information relating to individual firms this table
cannot be given. For information relating to Great Britain as a whole, see Table 2 .

Sales in the trade
Larger establishments

|  | England |  |
| :---: | :---: | :---: |
|  | Quantity | Value |
| Principal products | Th.ozs. troy | ${ }^{\prime} 000$ |
| Gold |  |  |
| Refined, in bars, etc. | 1.167.6 | 14.730 |
| Partly refined, in bars, etc. | 74.0 | 923 |
| Mamu factures of gold not specified above |  |  |
| Gold leaf |  |  |
| Gold sheet | 302.3 | 3.211 |
| Gold fuse wire (a) | , | 570 |
| Other gold wire (a) | 40.8 | 299 |
| 0 ther | 311.4 . | 2.747 648 |
| Platinum |  |  |
| Refined, in grain, ingot, bar or powder | 219.6 | 6.876 |
| Other sorts, including alloys and manufactures, not elsewhere specified | 112.7 | 3.379 |
| Silver |  |  |
| Refined | 20.720 .1 | 6.513 |
| Manu factures of silver |  |  |
| Fine silver sheet | 2.155 .9 | 604 |
| Fine silver wire | 395.0 | 150 |
| Alloyed silver, including solders | 8.611 .8 | 1.880 |
| Other manu factures of silver \{ | 881.9 | 237 608 |
| Palladium, i ridium, rhodium, osmium and ruthenium, and alloys thereof other than platinum alloys (a) | 304.3 | 3.867 |
| Holled gold | 1.586.1 | 1.061 ${ }_{203}$ |
| Silver, partly refined | 10.237.2 | 2. 558 |
| Other precious metals | 116.2 .. | 332 173 |
|  | Th. $\begin{gathered}\text { tons } \\ 1.1\end{gathered}$ |  |
| Concentrates, metallic residues, wastes, etc. | .. | 228 21 |
| Work done for the trade or on commission (b) Refining of precious metals |  | 356 |
| Other |  | 125 |
| Total principal products |  | 52,300 |
| Other output |  |  |
| Copper and manu factures thereof f \{ | 2.4 | 664 554 |
| Brass and other copper alloys (including nickel silver. but excluding other nickel alloys) and manufactures thereof | 7.4 | 2.185 16 |
| Other non-ferrous metals and manufactures thereof | .. | 554 |
| Chemical manufactures | .. | 3.352 |
| Other goods |  | 2. 380 |
| Work done (b) |  | 63 |
| Total |  | 62.069 |

(a) So far as recorded separately.
(b) Amount charged.
(90597/1)

Stocks of products on hand for sale and work in
progress, and stocks of materials and fuel
Larger establishments

| TABLE 21 |  | £.000 |
| :---: | :---: | :---: |
|  |  | England |
| Products on hand for sale | $\left\{\begin{array}{l}\text { at beginning of y } \\ \text { at end of year }\end{array}\right.$ | $\begin{aligned} & 4.372 \\ & 5.032 \end{aligned}$ |
| Work in progress | $\left\{\begin{array}{l}\text { at beginning of year } \\ \text { at end of year }\end{array}\right.$ | $\begin{aligned} & 2.709 \\ & 2.227 \end{aligned}$ |
| Total products on hand for sale and work in progress | $\left\{\begin{array}{l} \text { at beginning of year } \\ \text { at end of y ear } \end{array}\right.$ | ${ }_{7}^{7.081}$ |
| Materials and fuel | $\left\{\begin{array}{l}\text { at beginning of } \mathrm{l} \text { ear } \\ \text { at end of year }\end{array}\right.$ | 2.011 2.477 |

TABLE 22 - Employment in September: Larger establishment
See Table 13.

TABLE 23 - Average employment: Larger establishments

TABLE 24 - Wages and salaries and employers' National Insurance contributions paid during the year: Larger establishments

See Table 16.

TABLE 25 - Plant, machinery and vehicles - acquisitions and disposals, and capital expenditure on new building work: Larger establishments

See Table 17.

Payments for transport services for finished goods sold and materials and fuel purchased

Larger establishments

| TABLE 26 |
| :--- |
|  England <br> Amounts paid to other firms and undertakings <br> Amount paid or credited to fi mms' om separate <br> transport orgemisations <br> Total 33 |

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[^0]:    (a) Owing to the risk of disclosure of information relating to individual firms, separate particulars cannot
    be given.

