


THE REPORT on the CENSUS OF PRODUCTION FOR 1951

Volume 8
Trade A


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).

LONDON: HER MAJESTY'S STATIONERY OFFICE

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1955
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GRAIN MILLING TRADE

THIS REPORT on the Grain Milling Trade relates to establishments engaged wholly or mainly in milling wheat (including the production of self-raising and patent flour at milling establishments) in milling, flaking or rolling barley, oats, rye, rice, etc., in splitting or grinding peas, beans lentils, soya beans, sago, tapiooc. in manufacturing ready-to-eat breakfast cereals such as cornflakes or puffed or shredded wheat, or in making peat or peat moss litter.

This trade corresponds to minimum list heading 150 and part of heading 199(3) in the Standard Industrial Classification.

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.

|  | United Kingdom |  |  | Great Britain |  | United Kingdom |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1951 | 1950 | 1949 | 1949 | 1948 | 1937 | 1935 |
| Gross output (production) (b) | $\begin{gathered} 8.000 \\ \hline 203.058 \\ \hline \end{gathered}$ | $\begin{gathered} \varepsilon^{\prime} \cdot 000 \\ 168,446 \end{gathered}$ | $\begin{array}{r} \varepsilon^{\prime}, 000 \\ 144,446 \\ \hline \end{array}$ | $\begin{gathered} \varepsilon^{\prime} 000 \\ 132.742 \\ \hline \end{gathered}$ | $\begin{array}{\|c\|} \hline \varepsilon^{\prime} 000 \\ 119.950 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \varepsilon^{\prime} 0000 \\ 93,930(c) \\ \hline 9 \end{array}$ | $\begin{gathered} \hline \varepsilon^{\prime} 000 \\ 65,805(\mathrm{c}) \\ \hline \end{gathered}$ |
| Cost of materials and fuel used (c) (d) Payment for work done on materials given out <br> Transport payments (e) | $\begin{array}{r} 164,907 \\ 7.863 \end{array}$ | 140.418 | 114.800 | 104, 896 | 95,528 | 80, 424 | $53,288$ |
| Net output (c) <br> ages and salaries of persons employed | 30.274 12.689 | $\begin{aligned} & 28,020 \\ & 11,372 \end{aligned}$ | $\begin{aligned} & 29.637 \\ & 11,137 \end{aligned}$ | $\begin{aligned} & 27.837 \\ & 10,546 \end{aligned}$ | 24,414 9.813 | 13, 502 | 12,513 |
| Average number of persons employed (f) <br> Net output per person employed (f) <br> Stocks at end of year |  |  |  | $\begin{gathered} \mathrm{No} \cdot 615 \\ \begin{array}{c} 29.615 \\ \varepsilon \\ 9.940 \\ \varepsilon \cdot 000 \end{array} \end{gathered}$ |  |  | $\begin{array}{r} \text { No } \begin{array}{c} \text { No } \\ 30.45 \\ \varepsilon \\ 411 \\ \varepsilon^{\prime} .000 \end{array} . \end{array}$ |
| Products on hand for sale and work in progress Number of establishment |  |  | ( $\begin{array}{r}3.301 \\ 12.287 \\ \text { Nor } \\ \text { N67 }\end{array}$ |  | 2.159 $\substack{8.473 \\ \text { No } \\ \text { N38 } \\ \text { j38 }}$ | . | $\dddot{N}_{502}$ |
| The values of gross output and of materials and fuel used are derived in the following way:- |  |  |  |  |  |  |  |
|  | \& 000 | $\varepsilon^{\prime} 000$ | $\varepsilon^{\prime} 000$ | $\varepsilon^{\prime} 000$ | $\varepsilon^{\prime} 000$ | \& 000 | £.000 |
| $\begin{aligned} & \text { Principal products (h) } \\ & \text { Other outpot (i) } \\ & \text { Ohanges in tocks and } \\ & \text { Cork in progress (ij) } \end{aligned}$ | $\begin{array}{r} 199.671 \\ 1.838 \\ +1.549 \end{array}$ | \}171,452 <br> $+467$ | $\begin{aligned} & 147.094 \\ & +\quad 846 \end{aligned}$ | $\begin{array}{r} 135,384 \\ +\quad 802 \end{array}$ | $\left\{\begin{array}{l} 122.671 \\ -\quad 601 \\ -\quad 125 \end{array}\right.$ | ${ }_{9}^{93.677}$ 253 | ${ }_{6}^{65,556}$ |
| Less payment for transport outwards (e) | 203.058 | $\begin{array}{r} 171,919 \\ 3.472 \end{array}$ | $\begin{array}{r} 147.940 \\ 3.493 \end{array}$ | $\begin{array}{r} 136.186 \\ 3.444 \end{array}$ | $\begin{array}{\|c} 123.148 \\ 3.198 \end{array}$ | \}93.930 | 65.805 |
| Gross output (production) | 203.058 | 168.446 | 144,446 | 132,742 | 119.950 | 93.930 | 65.805 |
| Materials and fuel used by firms in this trade Purchases (c) Changes in stocks ( j ) | $\begin{array}{r}168.465 \\ -3.558 \\ \hline\end{array}$ | 141.810 -1.392 | 117.841 $-\quad 3.042$ | 107.878 -2.982 | 94.618 $+\quad 910$ | \} 80.424 | 53,288 |
| Materials and fuel used | 164,907 | 140,418 | 114.800 | 104.896 | 95, 528 | ${ }^{80}, 424$ | 53,288 |

(a) (c) For the post-war excurse. cost of materials and fuel and value of not output take in to account net amounts of

| 1951 |  |  | 1950 | 1949 | 1948 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Rebates and allowances | Payments to the Ministry of Food | $\underbrace{\text { recei yed }}_{\text {Net amount }}$ | Net amount recoivod |  |  |
| $\begin{aligned} & \varepsilon^{\prime} 000 \\ & 75,572 \end{aligned}$ | $\begin{gathered} \varepsilon^{\prime} 000 \\ 883 \end{gathered}$ | £.000 | $\begin{array}{r} £^{\prime} 000 \\ 64,733 \end{array}$ | ع.000 | $\begin{array}{r} \varepsilon^{\prime \prime} 000 \\ 60,000 \end{array}$ |



cover only tromsport outwards of ini shed goods onld.
(f) Including working proprietors. For an estinate of the total number of persons eaployed in this trade soe
Table 3 .
(g) Total value of sales (1951. 1950.1949 and 1948) or production for sale (1937 and 1935).

(83869/1)

Summary
Small firms (a)

| TABLE 2 |
| :--- |

(a) Small firms (employing on the average ten or fewer persons) that made satisfactory returns. No in formation
about small firms was collected in Northern Ireland for 1951 or 1950 . (b) Corrected figures.
(c) Including working proprietors.

Estimated average employment (a)
All firms

|  | United Kingdum |  |  | Great Britain |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1951 | 1950 | 1949 | 1949 | 1948 |
| As returned by firms <br> Employing on the average more than ten persons (b) <br> Employing on the average ten or fever persons (c) | $\begin{gathered} 31.998 \\ 3.394(\mathrm{~d}) \end{gathered}$ | $\begin{array}{r} 31.597 \\ 3.446 \text { (d) } \end{array}$ | 31,450 4,066 | 29.615 3.829 | 29.124 4.225 |
| Estimated average employment in firms not making satis factory returns | $\begin{array}{r} 35.392 \\ \hline 210 \end{array}$ | $\begin{array}{r} 35.043 \\ 183 \end{array}$ | $\begin{array}{r} 35.516 \\ 167 \end{array}$ | $\begin{array}{r} 33.444 \\ 167 \end{array}$ | $\begin{array}{r} 33,349 \\ 728 \end{array}$ |
| Estimated average employment in all firms | 35.602(d) | 35.226 (d) | 35.683 | 33.611 | 34,077 | (a) Including working proprietors.

b) See Tables 13 (iv) and 14.
(c) See Table
(c)
(d) Excluding any small firms in Northern Ireland.

Analysis by size, 1951
Larger establishments in the United Kingdom

| $\begin{aligned} & \text { Average } \\ & \text { number } \\ & \text { employed } \end{aligned}$ |  | ${ }_{\substack{\text { Gross } \\ \text { Output }}}$ | ( $\begin{gathered}\text { Net } \\ \text { output }\end{gathered}$ | ${ }_{\substack{\text { Persons } \\ \text { employed }}}$ | Remuneration |  |  | Net outputper personemployed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Operatives | $\begin{gathered} \text { Other } \\ \text { employes } \\ \text { (a) } \end{gathered}$ | Total |  |
|  | No. | £.000 | £'000 | No. | £.000 | £. 000 | £ 000 | $\varepsilon$ |
| 11 ${ }_{25}=24$ 49 | $\begin{aligned} & 97 \\ & 99 \end{aligned}$ | 8.799 <br> 18.945 | $\underset{\substack{1,224 \\ 2,764}}{ }$ | ${ }_{\substack{1.777 \\ 3.420}}^{\text {a }}$ | 446 860 | ${ }_{400}^{172}$ | $\begin{array}{r}618 \\ 1.259 \\ \hline\end{array}$ | 689 888 |
| 25-49 | ${ }_{75} 9$ | 18.945 ${ }_{32.420}$ | - ${ }_{4}^{2.764}$ | $1,4.420$ 5.306 | - 8 1.441 | ${ }_{620}$ | 2, 061 | 826 |
| $100-199$ $200-299$ | ${ }_{19}^{41}$ |  | +4.481 | 5.545 | $\begin{aligned} & 1,523 \\ & 1.383 \end{aligned}$ | $\begin{aligned} & 601 \\ & 592 \end{aligned}$ | $\begin{aligned} & 2.124 \\ & 1.975 \end{aligned}$ | $\begin{aligned} & 808 \\ & 969 \end{aligned}$ |
| ${ }_{300}^{200}-{ }_{399}$ | 13 | 30, 503 | $\begin{array}{r} 4,659 \\ 4.561 \end{array}$ | $\begin{aligned} & 4.807 \\ & 4.467 \end{aligned}$ | $\begin{aligned} & 1.383 \\ & 1.319 \end{aligned}$ | $\begin{aligned} & 592 \\ & 485 \end{aligned}$ | $\begin{aligned} & 1.985 \\ & 1.804 \end{aligned}$ | $\begin{array}{r} 969 \\ 1.021 \end{array}$ |
| 400 500 | ${ }_{7}$ | 11,951 30,048 | 1,690 6.512 | 1.826 4.850 | 505 1.397 | 238 706 | $\begin{array}{r}743 \\ \text { 7,104 } \\ \hline\end{array}$ | 1.926 1.343 |
| Total | 355 | 203.058 | 30.274 | 31,998 | 8,874 | 3.815 | 12.689 | 946 |

(83869/1)

Analysis by standard region, 1951
Larger establishments in the United Kingdom

| Region | $\begin{aligned} & \text { Estab- } \\ & \begin{array}{c} \text { Es } \\ \text { lish- } \\ \text { men ts } \end{array} \end{aligned}$ | Gross output | Net output |  | Persons employed | Remuneration |  |  | Net outputper person employed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Value | $\left\lvert\, \begin{gathered} \text { Percent. } \\ \text { ageo of } \\ \text { total } \end{gathered}\right.$ |  | Operatives | $\begin{aligned} & \text { Other } \\ & \text { employees } \\ & \text { (a) } \end{aligned}$ | Total |  |
|  | No. | £.000 | £'000 |  | No. | £.000 | £.000 | £ 000 | $\varepsilon$ |
| Northern | 14 | 12.590 | 1.934 | 6.4 | 2.196 | 596 | 251 | 847 | 881 |
| East and West |  |  |  |  |  |  |  |  |  |
| Ridings | 32 | 11,636 | 1,507 | 5.0 | 2.226 | 581 | 237 | 818 | 677 |
| North Midland | 33 | 13,541 | 2,350 | 7.8 | 2,710 | 721 | 334 | 1.055 | 867 |
| Eastern | 57 | 15.184 | 2.607 | 8.6 | 3.087 | 830 | 329 | 1.160 | 844 |
| London and South Eastern | 41 | 34.028 | 5.445 | 18.0 | 5,034 | 1.466 | 786 | 2,253 | 1.081 |
| Southern | 14 | 4,584 | 748 | 2.5 | 744 | 178 | 93 | 271 | 1.005 |
| South Western | 22 | 15.543 | 2.050 | 6.8 | 2.319 | 647 | 299 | 946 | 884 |
| Midland | 17 | 3. 339 | 462 | 1.5 | 606 | 160 | 69 | 229 | 763 |
| North Western | 43 | 43.275 | 7.240 | 23.9 | 6.470 | 1.944 | 740 | 2.684 | 1.119 |
| Total England | 273 | 153.719 | 24.342 | 80.4 | 25,392 | 7.124 | 3.139 | 10,263 | 959 |
| Wales | 4 | 8,022 | 1.139 | 3.8 | 1,529 | 359 | 192 | 552 | 745 |
| Scotland | 50 | 21,779 | 2.653 | 8.8 | 2,997 | 803 | 338 | 1.141 | 885 |
| Great Britain | 327 | 183.520 | 28.135 | 92.9 | 29.918 | 8.286 | 3.669 | 11.955 | 940 |
| Northern Ireland | 28 | 19,537 | 2.140 | 7.1 | 2.080 | 588 | 146 | 734 | 1.029 |
| United Kingdom | 355 | 203.058 | 30.274 | 100.0 | 31,998 | 8.874 | 3.815 | 12.689 | 946 |

Analysis according to specialisation within the trade, 1951
Larger establishments in the United Kingdom

|  | $\begin{gathered} \text { Establish- } \\ \text { ments } \end{gathered}$ | Gross output | Sales o characproducts | $\begin{gathered} \text { Net } \\ \text { output } \end{gathered}$ | $\begin{aligned} & \text { Prsons } \\ & \text { employed } \end{aligned}$ | Remuneration |  |  | Net output per person employed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | perat | $\begin{gathered} \text { Other } \\ \text { semployes } \\ \text { (a) } \end{gathered}$ | Total |  |
| Specialist producers of Milled | No. | £.000 | £.000 | £ 000 | No. | £. 000 | £,000 | $£^{\prime} 000$ | £ |
| Wheat | 228 | 148.142 | 125.975 | 21,338 | 23.779 | 6, 578 | 2,920 | 9. 497 | 897 |
| Oats | 26 | 6,905 | 5.909 | 1.216 | 1.353 | 309 | 146 | 455 | 899 |
| Barley | 6 | 576 | 356 | 84 | 129 | 29 | 17 | 46 | 649 |
| Peat and peat moss litter (b) | 17 | 330 | 335 | 22.2 | 415 | 128 | 25 | 151 | 534 |
| Remainder of the trade | 78 | 47.105 |  | 7.415 | 6.322 | 1.833 | 709 | 2,540 | 1.173 |
| Total | 355 | 203.058 |  | 30.274 | 31,998 | 8,874 | 3,815 | 12,689 | 946 |

(a) Administrative, technical and clerical employees.
(b) The 1 ower figure recorded
(b) liower figure recorded for gross output as compared with the figure for sales of characteristic products
is mainy due to stock changes.
(83869 1)

TABLE 7 - Total make of intermediate products: Larger establishments This table is not applicable to the trade.

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

Larger establishments
TABLE

| TABLE 8 |
| :--- |


|  | $\begin{aligned} & \text { United Kingdom } \\ & 1951 \end{aligned}$ |  |  | $\begin{aligned} & \text { Great Britain } \\ & 1948 \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Entries | Ouantity | Value |
|  | Th.tons | £ 000 | No. | Th. tons | \& 000 |
| Rice whole (husked or cleaned) and rice products | 15.1 | 1,502 | ${ }^{23}$ | 6.5 | 369 |
| Rye meal, flour and by-products | 7.6 | 295 | 22 | 8.8 | 274 |
| Soya meal, flour and by-products | 3.0 | 237 | $\cdots$ | 9.1 | 689 |
| Pea and bean meal and flour | 4.5 | 240 | 36 | 5.5 | 213 |
| Other meal, flour and by-products | 6.2 | 203 | 37 \{ | 8.1 | ${ }_{213}^{253}$ |
| Split lentils | 9.1 | 878 | 6 | 2.7 | 192 |
| Split peas | 6.5 | 477 | 6 | 11.9 | 810 |
| Compound cakes, cubes, meals, etc. (c) For cattle | 243.8 | 7.370 | 87 | 136.6 | 1,943 |
| For calves | 27.4 | 906 | 54 | 11.1 | 177 |
| For pigs | 348.7 | 10.979 | 128 | 80.5 | 1.257 |
| For poultry | 400.2 | 13,835 | 127 | 184.2 | 2.982 |
| Other sorts | 6.0 | 169 | 31 | 8.7 | 138 |
| Unclassified | 7.2 | 228 | .. $\{$ | 10.0 | 155 50 |
| Other animal and poultry feeding stuffs, not elsewhere specified (c) | 44.8 | 1. 513 | .. | 12.6 | 264 |
| Screenings, not included elsewhere |  | 2 | .. $\{$ | $1.8$ | 18 56 |
| Total milled products |  | 203.698 | .. |  | 123.970 |
| Peat and peat moss litter, etc. | 71.7 | 13 | ${ }_{3} 37$ \{ | ${ }^{49.8}$ | 244 28 |
| Milling done by grist millers and others on commission (d) |  | 55 | 60 |  | 180 |
| Other work done on commission (d) |  | 183 | 29 |  | 23 |
| Total |  | 204.273 | .. |  | 124.444 |
| Sales in other trades (see Table 9) |  | 4.602 | . |  | 1.773 |
| Principal products of this trade sold by establishments in the trade |  | 199,671 | 331 |  | 122.671 |

(a) For particulars of the output of self-raising flour by firms not engaged in milling see the Miscellaneous
(b) For particulars of the output of maize starch see the Starch Trade (Volume 9, Trade E)
(c) For particulars of the output of compound cakes, cubes, meals, etc., and other animal and poultry feeding
stufs by firms not engaged in quain milling see the Seed Crushing and Oil Refining Trade (Volume 2, stuffs by firms not engaged in grain milling see the Seed Crushing and oit
Trade p) and the Cattle. Dog and Poultry Foods Trade (Volume 9. Trade C).
(d) Amount charged.

Sales in the trade of other than principal products

|  | $\begin{aligned} & \text { United Kingdom } \\ & 1951 \end{aligned}$ |  | Great Britain1948 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | Value |
|  | Th.tons | \&. 000 | Th.tons | \&. 000 |
| Oilseed cake, kibbled or ground | 11.8 | 387 | 2.0 | 27 |
| Dog foods ${ }^{\text {Food products }}$ | .. | 1.150 | 6.1 | 426 |
| Food products |  |  | .. | 77 |
| Other goods | .. | 301 | .. | 71 |
| Total |  | 1.838 |  | 601 |

roduction, exports and imports of certain principal products (a)
TABLE 1

|  |  | Production (b) (c) | Exports | Retained imports |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| Meal and flour, other than semolina (d) | $\left\{\begin{array}{l}1951 \\ 1948 \\ 1937\end{array}\right.$ | $\begin{aligned} & 4.120 .6(e) \\ & 4.356 .9(e) \\ & 3.806 .3(e) \end{aligned}$ | $\begin{array}{r} 10.8 \\ 9.7 \\ 78.0 \end{array}$ | 512.5 810.5 426.2 |
| Bran, pollard, sharps and middlings (including weatings and superfine weatings) | $\left\{\begin{array}{l}1951 \\ 1998 \\ 1937\end{array}\right.$ | $\begin{array}{r} 870.1 \\ 709.6 \\ 1.592 .6 \end{array}$ | $\begin{gathered} \text { i.5 } \\ 3.4 \end{gathered}$ | 190.5 142.9 624.0 |
| Oat products |  |  |  |  |
| Meal and flour | $\left\{\begin{array}{l}1951 \\ 19948 \\ 1937\end{array}\right.$ | 45.1 <br> 47.8 <br> 35.6 <br> 18 | $\begin{aligned} & 0.6 \\ & 0.6 \\ & 0.6(\mathrm{f}) \end{aligned}$ | $\begin{aligned} & -\quad .4 \\ & 1.5(\mathrm{f}) \end{aligned}$ |
| Rice, whole (husked or cleaned) (g) | $\left\{\begin{array}{l}1951 \\ 19488 \\ 1937\end{array}\right.$ | $15.1(\mathrm{~h})$ 2.8 22.1 | 0.1 0.9 | 69.6 42.1 52.8 |

(a) Figures of production (or sales) refer only to larger establishments in the United Kingdom (1951 and
1937) or Great Britain (1948). Ale recorded exports from and inports into the United Kingdom are
given in the Thable. The figures, therefore, are not strictly comparable.

(d) Including production or sales) by establishments classified to other trades.
(d) The figures for 1948 and the production figure for 1937 include semolina
(i)
() The figures for 1948 and the production figure for 1937 include semolina.
(e) Purchased fllour has been deducted.
(f) Excludirg flour
(f) Excluding flour.
(g) The oversea trade figures include mixtures of whole and broken rice.
(h) Including rice products.

Usage of certain specified purchased materials, 195
Larger establishments in the United Kingdom
TABLE 12

| Materials used | Quantity |
| :--- | :---: |
| Wheatmeal and flour | Th. tons <br> 550.2 |

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| TABLE 13 Employment in September |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (i) Operatives | United Kingdom |  |  | Great Britain |  | United Kingdom |  |
|  | 1951 (b) | 1950(b) | 1949 (b) | 1949 (b) | 1948(c) | 1937 (c) | 1935(c) |
| Males Under 18 All ages | [ $\begin{array}{r}511 \\ 21.117\end{array}$ | $\begin{array}{r} 580 \\ 21.126 \end{array}$ | $\begin{array}{r} 466 \\ 20,912 \end{array}$ | $\begin{array}{r} 378 \\ 19.460 \end{array}$ | $\begin{array}{r} 453 \\ 18.891 \end{array}$ | $\begin{array}{r} 940 \\ 21.708 \end{array}$ | $\begin{array}{r} 915 \\ 21,421 \end{array}$ |
| Females Under 18 All ages | $\begin{array}{r} 345 \\ 3.286 \end{array}$ | $\begin{array}{r} 390 \\ 3.449 \end{array}$ | $\begin{array}{r} 355 \\ 3.403 \end{array}$ | $\begin{array}{r} 347 \\ 3.359 \end{array}$ | $\begin{array}{r} 472 \\ 3.647 \end{array}$ | $\begin{array}{r} 300 \\ 1.589 \\ \hline \end{array}$ | $\begin{array}{r} 226 \\ 1.646 \\ \hline \end{array}$ |
| Total Under 18 All ages | 8 856 24, 403 | $\begin{array}{r} 970 \\ 24.575 \end{array}$ | $\begin{array}{r} 821 \\ 24.315 \end{array}$ | $\begin{array}{r} 725 \\ 22.819 \end{array}$ | ${ }_{22.538}^{925}$ | 1.240 23.297 | 1.141 23.067 |



 $\begin{array}{llll}\text { Canteen workers } & 16 \text { Males } \\ \text { Other workers } & 746 \text { Males } & \begin{array}{c}205 \\ 229\end{array} & \text { Females } \\ \text { Oemales }\end{array}$

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\text { (b) In veek ended September 22, 1951. September 30, 1950, and September 24, } 1949 .
$$

(b) In week ended Septearer 22,
(c) Average for the year.
(d) In week ended September 22, 1951, September 30, 1950. September 24, 1949, September 25, 1948, October 16,
(e) Working and octeroper 12 . 19 add.
(iv) Working proprietors

| Number |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | United Kingdom |  |  | Great Britain |  |
|  | 1951 | 1950 | 1949 | 1949 | 1948 |
| Males |  |  |  |  |  |
| Females | 92 | 97 | 90 | 36 | 41 |
| Total | 5 | 4 | 3 | 1 | 2 |
|  | 97 | 101 | 93 | 37 | 43 |

Average employment
Larger establishments (a)

| TABLE 14 |  |  |  |  |  |  | Number |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | United Kingdom |  |  | Great Britain |  | United Kingdom |  |
|  | 1951 | 1950 | 1949 | 1949 | 1948 | 1937 | 1935 |
| Operatives <br> Administrative, technical and clerical employees | $\begin{gathered} 24.375 \\ 7.526 \end{gathered}$ | $\begin{gathered} 24.216 \\ 7.280 \end{gathered}$ | $\begin{array}{r} 24.161 \\ 7.196 \end{array}$ | $\begin{array}{r} 22,689 \\ 6,889 \end{array}$ | $\begin{aligned} & 22,538 \\ & 6.543(b) \end{aligned}$ | $\begin{aligned} & 23.297 \\ & 7.560(b) \end{aligned}$ | 23, 067 <br> 7.384(b) |
| Total | 31,901 | 31,496 | 31.357 | 29,578 | 29,081 | 30.857 | 30.451 |

(a) For employment in small firms (employing on the average ten or fewer persons) that made satisfactory returns
(b) In week ended September 25, 1948, October 16, 1937, and October 12, 1935. The 1937 and 1935 figures include

Outworkers. No outworkers were recorded in this trade in any year

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 |
| :---: | :---: | :---: |
| 42,988 | 343.799 | 194 |
| $2 . \overline{9} 92$ | $.30,668$ | 45 |
| 45,980 | 374. 467 | (b) |

Total
ft working during week ended September 22, 45,
(a) Shift working during week ended September 22, 1951.
(b) The number and percentage of returns showing shift

|  | Returns |  | Operatives |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total trade | Showing shift-work | Total in trade | Total on returns showing shift-work | $\begin{gathered} \text { Number } \\ \text { employed } \\ \text { on Shift } \\ \text { onift } \\ \text { work } \end{gathered}$ |
| Number <br> Percentage of total in trade Percentage of total on return showing shift-work | $\begin{array}{r} 304 \\ 100.0 \end{array}$ | 235 77.3 | 22.698 100.0 | $20.915$ $92.1$ $100.0$ | $\begin{array}{r} 8,190 \\ 36.1 \end{array}$ |

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

|  | Uni ted Kingdom |  |  | Great Britain |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1951 | 1950 | 1949 | 1949 | 1948 |
| Wages and salaries (a) of Operatives Administrative, technical and clerical employees | $\begin{array}{r} 8.874 \\ 3.815 \end{array}$ | $\begin{aligned} & 7.886 \\ & 3.486 \end{aligned}$ | $\begin{array}{r} 7.744 \\ 3.393 \\ \hline \end{array}$ | $\begin{aligned} & 7.288 \\ & 3.258 \\ & \hline \end{aligned}$ | $\begin{aligned} & 6.831 \\ & 2.982 \\ & \hline \end{aligned}$ |
| Total | 12.689 | 11.372 | 11.137 | 10,546 | 9.813 |
| Employers' contributions to all National Insurance Schemes | 322 | 319 | 317 | 298 | 227 |

National Insurance Schemes
(a) Including bonus and commission payments.

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

|  | United Kingdom |  | Great Britain |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 1951 | 1949 | 1949 | 1948 |
| Plant, machinery and vehicles Acquisitions |  |  |  |  |
| Plant and machinery |  |  |  |  |
| ${ }_{\text {New }}^{\text {Necond-hand }}$ | 2, 427 | 1.741 44 | 1.675 43 | 1.047 30 |
| Vehicles Nem | 455 |  |  |  |
| Second-hand | ${ }_{78}$ | 384 39 | ${ }_{36}$ | 46 |
| Total acquisitions | 2.989 | 2,208 | 2.109 | 1.429 |
| Disposals <br> Plant and machinery <br> Vehicles | ${ }_{82}^{64}$ | 73 46 | 71 42 | 88 44 |
| Total disposals | 146 | 119 | 113 | 131 |
| New building work <br> Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges) | 1.079 | 930 | 887 | 272 |

(83869.1)

1951
Summary: Larger establishments
TABLE 18

| England | Wales | Scotland | $\begin{aligned} & \text { Great } \\ & \text { Britain } \end{aligned}$ | Northern Ireland | United Kingdom |
| :---: | :---: | :---: | :---: | :---: | :---: |
| £. 000 | £. 000 | £'000 | £. 000 | $£^{\prime} 000$ | $£^{\prime} 000$ |
| 153.719 | 8.022 | 21.779 | 183. 520 | 19.537 | 203.058 |
| 123.106 | 6.360 | 18.210 | 147.676 | 17.231 | 164.907 |
| $\begin{array}{r} 4 \\ 6,267 \\ \hline \end{array}$ | $522$ | $\begin{array}{r} 8 \\ 908 \\ \hline \end{array}$ | $\begin{array}{r} 12 \\ 7.697 \\ \hline \end{array}$ | $\begin{array}{r} 1 \\ 166 \\ \hline \end{array}$ | $\begin{array}{r} 13 \\ 7.863 \\ \hline \end{array}$ |
| $\begin{aligned} & 24.342 \\ & 10.263 \end{aligned}$ | $\begin{array}{r} 1.139 \\ 552 \end{array}$ | $\begin{aligned} & 2.653 \\ & 1,141 \end{aligned}$ | $\begin{aligned} & 28.135 \\ & 11.955 \end{aligned}$ | $\begin{array}{r} 2.140 \\ 734 \end{array}$ | $\begin{aligned} & 30.274 \\ & 12.689 \end{aligned}$ |
| $\begin{aligned} & \text { No. } \\ & 25,392 \end{aligned}$ | $\begin{aligned} & \text { No. } \\ & 1,529 \end{aligned}$ | $\begin{aligned} & \text { No. } \\ & 2.997 \end{aligned}$ | $\begin{aligned} & \text { No. } \\ & 29.918 \end{aligned}$ | $\begin{aligned} & \text { No. } \\ & 2.080 \end{aligned}$ | $\begin{aligned} & \text { No. } \\ & 31.998 \end{aligned}$ |
| £ | £ | £ | £ | £ | £ |
| 959 | 745 | 885 | 940 | 1.029 | 946 |
| $£^{\prime} 000$ | £'000 | £'000 | £'000 | £'000 | £'000 |
| $\begin{array}{r} 3.778 \\ 13.859 \end{array}$ | $\begin{aligned} & 214 \\ & 753 \end{aligned}$ | $\begin{array}{r} 889 \\ 1.866 \end{array}$ | 4.880 16.477 | 493 813 | $\begin{array}{r} 5.373 \\ 17.290 \end{array}$ |
| No. $273$ | No. | No. 50 | No. 327 | No. 28 | No. $355$ |

The values of gross output and of materials and fuel used are derived in the following way :-
Gross output (production)
Cost of materials and fuel used (a) Payment for work done on materials given out
Transport payments
Net output (a)
Wages and salaries of persons employed
Average number of persons employed (b)
Net output per person employed (b)
Stocks at end of year
Products on hand for sale and
work in progress
Materials and fuel

Number of establishments

Output of firms in this trade
Total value of sales (see Table 20) Changes in stocks and work in progress (see Table 21)

Gross output (production)
Materials and fuel used by firms in this trade
Purchases (a)
Changes in stocks (see Table 21)

Materials and fuel used

(b) Including wo rking proprietors.

Summary: Small firms in Great Britain (a)
TABLE 19

|  | England | Wales | Scotland | Great <br> Britain |
| :--- | :---: | :---: | :---: | :---: |
| Number of returns | 551 | 37 | 183 | 771 |
| Average number of persons employed (b) <br> Males <br> Females <br> Total | 2,297 | 110 | 591 |  |

(a) Small firms in Great Britain (employing on the average ten or fewer persons) that made satisfactory returns.
(b) Including working proprietors.
(83869/1)

Sales in the trade
Larger establishments


|  | England and Wales |  | Scotland |  | Great Britain |  | Northern Ireland |  | United Kingdom |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | Value | Quantity | Value | Quantity | Value | Quantity | Value |
| Principal products (contd.) | Th. tons: | $£^{\prime} 000$ | Th. tons | £' 000 | Th. tons | £ 000 | Th. tons | £'000 | Th. tons | $£^{\prime} 000$ |
| Rice, whole (husked or cleaned) and rice products | . | (a) | . | (a) | 14.3 | 1.306 | - | - | 14.3 | 1,306 |
| Rye meal, flour and by-products | . | (a) | . | (a) | 7.6 | 295 | - | - | 7.6 | 295 |
| Soya meal. flour and by-products | 3.0 | 237 | - | - | 3.0 | 237 | - | - | 3.0 | 237 |
| Peat and bean meal and flour | 2.9 | 123 | 1.5 | 105 | 4.4 | 228 | - | - | 4.4 | 228 |
| Other meal. flour and by-products. | 3.5 | 109. | 0.4 | 17 | 3.9 | 126 | 2.3 | 78 | 6.2 | 203 |
| Split lentils | 5.3 | 509 | 3.7 | 370 | 9.1 , | 878 | - | - | 9.1 | 878 |
| Split peas | .. | (a) | . | (a) | 6.5 | 477 | - | - | 6.5 | 477 |
| Compound cakes, cubes, meals, etc. |  |  |  |  |  |  |  |  |  |  |
| For cattle | 158.6 | 4.674 | 12.7 | 369 | 171.3 | 5.043 | 72.5 | 2,327 | 243.8 | 7.370 |
| For calves | 18.0 | 576 | 3.2 | 101 | 21.1 | 678 | 6.3 | 228 | 27.4 | 906 |
| For pigs | 193.4 | 6.009 | 13.0 | 419 | 206.5 | 6.428 | 142.2 | 4.551 | 348.7 | 10.979 |
| For poultry | 283.2 | 8.926 | 20.3 | 664 | 303.5 | 9.590 | 96.7 | 4,244 | 400.2 | 13.835 |
| Other sorts | 4.8 | 140 | 1.2 | 29 | 6.0 | 169 | - | - | 6.0 | 169 |
| Unclassified | 7.2 | 228 | - | - | 7.2 | 228 | - | - | 7.2 | 228 |
| Other animal and poultry feeding stuffs. not elsewhere specified | 25.0 | 695 | 3.4 | 102 | 28.3 | 797 | 16.4 | $\begin{aligned} & 716 \\ & 165 \end{aligned}$ | 44.8 | $\begin{array}{r} 1.513 \\ 165 \end{array}$ |
| Screenings, not included elsewhere | . | (a) | .. | (a) | . . | 2 | - | - |  | 2 |
| Total milled products |  | (a) |  | (a) |  | 180,159 |  | 18.939 |  | 199,097 |
| Peat and peat moss litter, etc. | 53.3 | 288 | 13.4 | 49 | 71.7 | 337 | - | - | 71.7 | 337 |
| Milling done by grist millers and others on commission (b) |  | 10 |  | 31 |  | 41 |  | 12. |  | 53 |
| Other work done on commission (b) |  | (a) |  | 18 |  | . . |  |  |  | 183 |
| Tatal principal products |  | (a) |  | (a) |  | .. |  | (a) |  | 199.671 |
| Other output |  |  |  |  |  |  |  |  |  |  |
| Oilseed cake, kibbled or ground | - | - | - | - | - | - | 11.8 | 387 | 11.8 | 387 |
| Dog foods |  |  |  |  |  |  |  |  |  |  |
| Food products |  | (a) | $\cdots$ | (a) | $\cdots$ | 1.150 | - | - | .. | 1.150 |
| Other goods | .. | (a) | .. | (a) |  |  | . | (a) | - | 301 |
| Tatal |  | 160.585 |  | 21,511 |  | 182,096 |  | 19,413 |  | 201.509 |

(a) Owing to the risk of disclosure of information relating to individual firms separate particulars cannot be given.
(b) Amount charged.

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

Larger establishments


Employment in September
Larger establishments (a)(b)
TABLE 22


|  | England and Wales | Scotland | Great Britain | Northern Ireland | United Kingdom |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Males Under 18 All ages | $\begin{array}{r} 121 \\ 4.611 \end{array}$ | $\begin{array}{r} 21 \\ 457 \end{array}$ | $\begin{array}{r} 142 \\ 5.068 \end{array}$ | $\begin{array}{r} 16 \\ 246 \end{array}$ | $\begin{array}{r} 158 \\ 5.314 \end{array}$ |
| Females Under 18 All ages | $\begin{array}{r} 351 \\ 1.865 \end{array}$ | $\begin{array}{r} 48 \\ 250 \end{array}$ | $\begin{array}{r} 399 \\ 2.115 \end{array}$ | $\begin{array}{r} 7 \\ 100 \end{array}$ | $\begin{array}{r} 406 \\ 2.215 \end{array}$ |
| Total Under 18 All ages (c) | $\begin{array}{r} 472 \\ 6.476 \end{array}$ | $\begin{array}{r} 69 \\ 707 \end{array}$ | $\begin{array}{r} 541 \\ 7.183 \end{array}$ | $\begin{array}{r} 23 \\ 346 \end{array}$ | $\begin{array}{r} 564 \\ 7.529 \end{array}$ |

( con tinued overleaf)

TABLE 22 (contd.)

|  | England and wales | Scotland | Great Britain | Northern Ireland | United Kingdom |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Under 18 All ages Females | $\begin{array}{r} 478 \\ 22.047 \end{array}$ | $\begin{array}{r} 64 \\ 2.484 \end{array}$ | $\begin{array}{r} 542 \\ 24.531 \end{array}$ | $\begin{array}{r} 127 \\ 1.900 \end{array}$ | $\begin{array}{r} 669 \\ 26.431 \end{array}$ |
| Under 18 <br> All ages | $\begin{array}{r} 665 \\ 4.881 \\ \hline \end{array}$ | $\begin{array}{r} 68 \\ 469 \end{array}$ | $\begin{array}{r} 733 \\ 5.350 \\ \hline \end{array}$ | $\begin{array}{r} 18 \\ 151 \end{array}$ | $\begin{array}{r} 751 \\ 5.501 \end{array}$ |
| Total <br> Under 18 <br> All ages (c) | $\begin{array}{r} 1.143 \\ 26.928 \\ \hline \end{array}$ | $\begin{array}{r} 132 \\ 2.953 \\ \hline \end{array}$ | $\begin{array}{r} 1.275 \\ 29.881 \end{array}$ | $\begin{array}{r} 145 \\ 2.051 \end{array}$ | $\begin{array}{r} 1.420 \\ 31,932 \end{array}$ |

(a) Excluded employees. The number of persons employed at the larger establishments in this trade but not
included in the above tables or in any other Census of Production report (employees in Great Britain
engaged. for example. in. merchanting and in Northern Ireland canteen and welfare workers) are shown in
Table 22 (v) below.
(b) Number employed in the week ended September 22, 1951.
(c) Working proprietors.
In addition


|  | England and Wales | Scotland | Great Britain | Northern Ireland | United Kingdom |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Males Females | 26 1 | ${ }_{-}^{6}$ | $\stackrel{32}{1}$ | 60 4 | $\stackrel{92}{5}$ |
| Total | 27 | 6 | 33 | 64 | 97 |
| (v) Excluded employees Number |  |  |  |  |  |
|  | England and Wales | Scotland | Great Britain | Northern Ireland | United Kingdom |
| Canteen workers Males Females | $\begin{array}{r}15 \\ 198 \\ \hline 18\end{array}$ | ${ }_{6}$ | $\begin{gathered} 16 \\ 204 \end{gathered}$ | 1 | 16 205 |
| Total | 213 | 7 | 220 | 1 | 221 |
| ales <br> Females | $\begin{gathered} 507 \\ 165 \end{gathered}$ | $\begin{array}{r} 239 \\ 64 \end{array}$ | $\begin{aligned} & 746 \\ & 229 \end{aligned}$ | - | 746 229 |
| Total | 672 | 303 | 975 | - | 975 |
| Total excluded employees | 885 | 310 | 1.195 | 1 | 1.196 |

Average employment
Larger establishments (a)
TABLE 23

|  | $\begin{gathered} \text { England and } \\ \text { Wales } \end{gathered}$ | Scotland | Great Britain | Nor thern <br> Ireland | United Kingdom |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Operatives <br> Administrative, technical and clerical employees | 20.411 | 2.293 | 22,704 | 1.671 | 24,375 |
|  | 6.483 | 698 | 7.181 | 345 | 7.526 |
| Total | 26,894 | 2.991 | 29.885 | 2.016 | 31.901 |

(a) For employment in small firms in Great Britain (employing on the average ten or fewer persons) that made

Outworkers. No outworkers were recorded in this trade.
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Wages and salaries and employers' National Insurance contributions paid during the year

Larger establishments

|  | $\begin{aligned} & \text { England and } \\ & \text { Wales } \end{aligned}$ | Scotland | $\begin{gathered} \text { Great } \\ \text { Britain } \end{gathered}$ | Northern <br> Ireland | United Kingdom |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Wages and salaries (a) of Operatives Administrative, technical and clerical employees | $\begin{aligned} & 7.484 \\ & 3.331 \end{aligned}$ | $\begin{aligned} & 803 \\ & 338 \end{aligned}$ | $\begin{aligned} & 8.286 \\ & 3.669 \end{aligned}$ |  | 8,874 3,815 |
| Total | 10.815 | 1.141 | 11.955 | 734 | 12.689 |
| Employers' contributions to all National Insurance Schemes | 270 | 31 | 301 | 21 | 322 |

(a) Including bois ad conissia

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

| nts |  |  |  |  | $\varepsilon \cdot 000$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\underset{\text { Wales }}{\text { England }}$ and | Scotland | $\begin{aligned} & \text { Great } \\ & \text { Britain } \end{aligned}$ | Northern <br> Ireland | United Kingdom |
| Plant, machinery and vehicles Acquisitions <br> Plant and machinery New <br> Second-hand <br> Vehicles <br> New <br> Second-hand | $\begin{array}{r} 2.193 \\ 29 \\ 363 \\ 66 \end{array}$ | $\begin{array}{r} 148 \\ - \\ 60 \\ 6 \end{array}$ | $\begin{array}{r} 2,341 \\ 30 \\ 422 \\ 72 \end{array}$ | $\begin{array}{r} 33 \\ 5 \end{array}$ | $\begin{array}{r} 2.427 \\ 30 \\ 455 \\ 78 \end{array}$ |
| Total acquisitions | 2.651 | 215 | 2.866 | 124 | 2,989 |
| Disposals <br> Plant and machinery <br> Vehicles | $\begin{aligned} & 62 \\ & 58 \end{aligned}$ | ${ }_{17}^{2}$ | 64 75 | 7 | ${ }_{82}^{64}$ |
| Total disposals | 120 | 19 | 139 | 7 | 146 |
| New building work new building and nature (excluding site values and development charges) | 991 | 25 | 1.016 | 63 | 1.079 |

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

|  | $\begin{aligned} & \text { England and } \\ & \text { Wales } \end{aligned}$ | Scotland | $\underset{\text { Britain }}{\text { Great }}$ | Northern <br> Ireland | United Kingdom |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Amounts paid to other firms and undertakings Amount paid or credited to firms' own separate transport organisations <br> Total | 6.472 | 822 | 7.294 | 166 | 7.460 |
|  | 318 | 86 | 403 | - | 403 |
|  | 6.789 | 908 | 7.697 | 166 | 7.863 |



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