

THE REPORT on the

## CENSUS OF PRODUCTION FOR 1951

Volume 2<br>Trade $\mathbf{P}$<br>SEED CRUSHING AND OIL REFINING<br><br>in pursuance of the Statistics of Trade Act, 1947<br>(10 \& 11 Geo. 6, Ch. 39, Sec. 7).<br>LONDON: HER MAJESTY'S STATIONERY OFFICE 1955<br>TWO SHILLINGS NET



| TABLE 1 |
| :--- |



 cover only transport outwards of fini shed goods sold.
Including working proprietors. For the totion number of por ing this trade see Table 3 .
 amount of work done on the so it tems
(h) For detais for 1 tosi and 1948 see.
(i) For details for 1951 see Table 21 .

Analysis by standard region, 1951
Larger establishments in Great Britain
TABLE 5

| Region | Estab-lishments | Gross output | Net output |  | Persons employed | Remuneration |  |  | Net output per person employed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Value | Percentage of total |  | Operatives | Other employees (a) | Total |  |
|  | No. | $£^{\prime} 000$ | $£^{\prime} 000$ |  | No. | £. 000 | £. 000 | £'000 | £ |
| England |  |  |  |  |  |  |  |  |  |
| East and West Ridings | 13 | 12,807 | 1.797 | 22.2 | 2. 492 | 702 | 275 | 976 | 721 |
| North Midland | 4 | 889 | 121 | 1.5 | 228 | 69 | 13 | 82 | 530 |
| London and South Eastern | 8 | 9.810 | 1.365 | 16.9 | 1.515 | 479 | 245 | 725 | 901 |
| South Western; and North Western | 13 | 17.894 | 4. 318 | 53.3 | 4,540 | 1.498 | 540 | 2.038 | 951 |
| Northern: Eastern: Southern; and Midland | - | - | - - | - | - | - | - | - | - |
| Total England | 38 | 41.399 | 7.602 | 93.9 | 8.775 | 2,748 | 1.072 | 3.821 | 866 |
| Wales | - | - | - | - | - | - | - | - | - |
| Scotland | 9 | 1.875 | 495 | 6.1 | 647 | 174 | 61 | 235 | 765 |
| Great Britain | 47 | 43. 274 | 8,097 | 100.0 | 9.422 | 2.922 | 1,133 | 4.056 | 859 |

(a) Administrative, technical and clerical employees.

TABLE 6 - Analysis according to specialisation within the trade, 1951
Larger establishments in Great Britain
No specialisation within this trade was distinguished.

TABLE 7 - Total make of intermediate products: Larger establishments in Great Britain 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


TABLE 8 (contd.)

|  | 1951 |  |  |  |  |  | 1948 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Goods made and work done on commission basis forthe Ministry of Food the Ministry of Food |  |  | Sales |  |  |  |  | Sales |  |
|  | Quantity | Amount <br> charged | Entries | Quantity | Value | Entries | Quantity | (tant $\begin{gathered}\text { Amount } \\ \text { charged }\end{gathered}$ | Quantity | Value |
| Refined vegetable and seed oils (contd.) Other than hydrogenated (contd.) Ground nut oil <br> Palm oil <br> Other sorts | Th. tons | £'000 | No. | Th.tons | ¢.000 | No. | Th. tons | £.000 | Th.tons | £. 000 |
|  |  |  |  |  |  |  |  |  |  |  |
|  | 40.0 | 123 | 13 |  |  |  | 79.4 | 254 |  |  |
|  | 25.1 | 96 | 7 | $\}^{19.0}$ | 4. 315 | \} 27 |  | (b) | 15.0 | 2.966 |
|  | 70.2 | 192 | 12 |  |  |  | 44.4 | $131(\mathrm{e})$ |  |  |
| Fish and marine animal oilsWhale oilUnrefined, hydrogenatedRefined |  |  |  |  |  |  |  |  |  |  |
|  | 103.5 | 614 | .. | - | - | - | 130.5 | 653 |  |  |
|  | 71.2 | 229 | 7 | 2.5 | 320 | 5 | 50.8 | 135 | 5.9 | 707 (f) |
| Other fish and marine animal oils Unrefined |  |  |  |  |  |  |  |  |  |  |
|  | 6.2 | 68 | .. | 1.5 | 175 | . | 6.2 | 35 | 0.1 | 11 |
| Refined |  |  | - | 8.5 | 788 | 17 | 48.3 | 122 | 2.3 | 286 |
| Refined vegetable and seed oils, and fish and marine animal oils, unclassified <br> Total refined vegetable and seed oils: and fish and marine animal oils | 353.6 | 1,025 | 5 | 5.6 | 922 (g) | 22 | 201.8 | $612(\mathrm{~h})$ | $\left\{\begin{array}{l}1.6\end{array}\right.$ | ${ }_{363}^{331(\mathrm{~h})}$ |
|  | 896.0 | 3.161 | .. | 99.4 | 17. ${ }^{428} 8$ |  | 823.1 | $2.724\{$ | 69.9 | 13. 345 363 |
| Oil seed cake and meal (including extracted meals) |  |  |  |  |  |  |  |  |  |  |
|  | 61.5 |  | 6 |  |  |  | 30.6 |  |  |  |
| Coconut cake and mealLinseed cake and mealGround nut cake and meal | 33.1 |  | 11 |  |  |  | 108.5 |  |  |  |
|  |  |  |  |  | 7 |  |  |  |  |  |
| Ground nut cake and meal Decorticated Undecorticated | 80.5 | (i) | 7 |  |  |  | 166.1 | (i) | - | - |
|  | 39.1 |  | 12 | 10.5 | 326 | :. | 49.0 |  |  |  |
| Cotton seed cake and mealPalm kernel cake and meal | 97.8 |  | 12 | 109 | 261 | .. | 40.6 |  |  |  |
|  | 216.8 |  | 13 | 16.9 | 488 |  | 208.0 |  |  |  |
| Compound cake. cubes, meal. etc. (j) (k) For cattle |  |  |  | 217.0 |  |  |  |  |  |  |
| For cattle <br> For calves |  |  |  | 217.0 15.5 | 6.675 499 | 7 5 |  | - | 220.3 20.5 | 3.020 294 |
| For pigs | \} |  |  | 15.5 87.3 | 499 2.711 | 7 | - |  | 20.5 21.1 | 294 311 |
| For poultry |  |  |  | 136.5 |  | 6 |  |  | 81.0 |  |

Other oil seed cake and meal
Tatal oil seed cake and meal
Acids (including fatty acids)
Waste products, including cotton linters Work done for the trade or on commission
Total

| Sales (or production) in other |
| :---: |
| trades (see Table 9) |

Principal products of this trades (see Table 9)
Principal products of this trade sold (or made) by estab-
(a) Including, in 1948 , any recovered oils
(b) Not recorded separately.
(c) Included in the figures for refined vegetable and seed oils, and fish and marine animal oils, unclassified.
(d) Included in the figures for refined vegetable and seed oils, other than hydronated
(e) Included in the figures for refined vegetable and seed oils, other than hydrogenated, other sorts.
(f) Including 500 tons, valued at $£ 57.000$, of sperm oil and spermaceti, so far as recorded separately
(g) Including a small amount of refined vegetable and seed oils, hydrogenated, other sorts.
(h) Recorded as:-

| Goods made on a comm for the Mi | work d basi Y of $F$ | Sales |  |
| :---: | :---: | :---: | :---: |
| Th.tons | £ 000 | Th.tons | £.000 |
| 201.8 | 612 | $\{1.4$ | 310 |
| - | - | 0. | 363 |

(i) Included with the amounts charged for production of unrefined oils.
(k) For the output of compound cake and meal

Trade A) and the Cattle, Dog and Poultry Foods radock mixtures by other than seed crushers, see the Grain Milling Trade (Volume 8,
Trade A) and the Cattle, Dog and Poultry Foods Trade (Volume 9.
(1) Included with the amounts charged for production of refined oils.
(m) Amount charged.


TABLE 11 (contd.)


TABLE 12 - Usage of certain specified purchased materials, 1951 Larger establishments in Great Britain
No information on usage of aterials was required from this trade.

Employment in September
table 13
(i) Operatives

| (i) | Great Britain |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
|  | 1951 (b) | 1950 (b) | 1949 (h) | 1948 (c) | 1937 (c) | 1935(c) |
| Males <br> Under 18 <br> All ages <br> Females | 155 6.903 | 7.112 | $\begin{array}{r} 119 \\ 6.983 \end{array}$ | $\begin{array}{r} 128 \\ 7.200 \end{array}$ | $\begin{aligned} & 20.854 \\ & 10.858 \end{aligned}$ | $\begin{array}{r} 186 \\ 10.107 \end{array}$ |
| Under 18 <br> All ages | $\begin{gathered} 18 \\ 448 \end{gathered}$ | $\begin{aligned} & 27 \\ & 463 \\ & \hline \end{aligned}$ | $\begin{array}{r} 25 \\ 496 \\ \hline \end{array}$ | $\begin{array}{r} 39 \\ 485 \\ \hline \end{array}$ | $\begin{array}{r} 94 \\ 428 \\ \hline \end{array}$ | $\begin{gathered} 38 \\ 353 \end{gathered}$ |
| Total Under 18 All ages | 7. ${ }^{1731}$ | $\begin{array}{r}139 \\ \hline .641\end{array}$ | 7.479 ${ }^{144}$ | 7.685 | 11. ${ }^{388}$ | 10.480 |

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

|  | Gre |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1951 | 1950 | 1949 | 1948 | 1937 | 1935 |
| Males <br> Under 18 <br> All ages <br> Females | $\begin{array}{r} 53 \\ 1.472 \end{array}$ | 1.388 | $\begin{array}{r} 53 \\ 1.480 \end{array}$ | $\begin{aligned} & 44 \\ & 1.512 \end{aligned}$ | $\begin{aligned} & 126 \\ & 1.614 \end{aligned}$ | $\begin{array}{r} 86 \\ 1.555 \end{array}$ |
| Under 18 All ages | $\begin{array}{r} 79 \\ 584 \\ \hline \end{array}$ | $\begin{gathered} 63 \\ 503 \end{gathered}$ | $\begin{gathered} 76 \\ 538 \end{gathered}$ | $\begin{gathered} 80 \\ 623 \end{gathered}$ | 170 696 | $\begin{gathered} 38 \\ 530 \end{gathered}$ |
| $\begin{aligned} & \text { Total } \\ & \text { Under } 18 \\ & \text { All ages } \\ & \hline \end{aligned}$ | 2.056(e) | ${ }_{1.891}^{121}(\mathrm{e})$ | $2.12{ }^{129}(\mathrm{e})$ | ${ }_{2,124}^{135}(\mathrm{e})$ | 2.310 | 124 2.085 |

(iii) Total employees

|  | Great Britain |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1951 | 1950 | 1949 | 1948 | 1937 | 1935 |
| Males <br> Under 18 <br> Females | $\begin{array}{r} 208 \\ 8.375 \end{array}$ | 170 8,566 | 172 8.463 | 8.712 | (3800 | ${ }_{11,662}^{272}$ |
| Under 18 All ages | $\begin{array}{r} 1.037 \end{array}$ | $\begin{gathered} 90 \\ 966 \end{gathered}$ | $\begin{array}{r} 101 \\ 1.034 \end{array}$ | $\begin{aligned} & 119 \\ & 1,108 \end{aligned}$ | $\begin{aligned} & 264 \\ & 1.124 \end{aligned}$ | $\begin{gathered} 76 \\ 883 \end{gathered}$ |
| $\begin{aligned} & \text { Total } \\ & \quad \text { Under } 18 \\ & \text { All ages } \\ & \hline \end{aligned}$ | $\begin{array}{r} 305 \\ \text { 9.407(e) } \\ \hline \end{array}$ | $\text { 9. }{ }^{2632(\mathrm{e})}$ | ${ }_{9}^{2797}(\mathrm{e})$ | ${ }_{9}^{2881}{ }^{281}(\mathrm{e})$ | 13. ${ }_{\text {6496 }}^{694}$ | 12.545 ${ }^{348}$ |

(a) Excluded employees. The following persons were emploped at the larger establi shments in this trade in
1991 but are not include in the above tables or in any other Census of Production report (e.e...
employees engaged in merchanting) :-
(b) In week ended September 22, 1951, September 30, 1950, and September 24, 1949.

(e) Working proprietors. No working proprietors were recorded for any post-mar year. The 1937 and 1935

 any working proprietors.
Outworkers. No outworkers were recorded in this trade

Shift working, 1951 (a)

| Larger establishments in Great Britain |  |  |  |
| :---: | :---: | :---: | :---: |
|  | Total number of in the week 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 Continuous 4 shift systems per 24 hours averaging 6 hours per shift <br> All 2 shift systems <br> Other shift systems | $\begin{array}{r} 16.813 \\ \quad 277 \\ \hline \end{array}$ | 131. 305 2.618 | 30 -3 -3 |
| Total | 17.090 | 133.923 | (b) |

(a) Shift working during week ended September 22, 1951 .
(b) The number and percentage of returns showing shift working and of operatives on shift work were as follows :-

|  | Returns |  | Operatives |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total in trade | Showing shift work | ${ }_{\substack{\text { Total } \\ \text { trade }}}^{\text {in }}$ | $\begin{gathered} \text { Total on on } \\ \text { Teturn } \\ \text { shourng } \\ \text { shift mork } \end{gathered}$ | Number employed work |
| Number <br> Percentage of total in trade showing shift total on returns showing shift work | 100.0 | 71.7 | 7.351 100.0 | $\begin{aligned} & 6.876 \\ & 93.5 \\ & 100.0 \end{aligned}$ | $\begin{gathered} 3.209 \\ 43.7 \\ 46.7 \end{gathered}$ |


| TABLE 16 | Great Britain $\mathrm{E}^{\prime} 0$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
|  | 1951 | 1950 | 1949 | 1948 |
| Wages and salaries (a) of |  |  |  |  |
| Operatives | 2.922 | 2,681 | 2,540 | 2. 462 |
| clerical employees | 1.133 | 976 | 956 | 1.009 |
| Total | 4.056 | 3.657 | 3.496 | 3.471 |
| Employers' contributions to all National Insurance Schemes | 98 | 96 | 96 | 81 |

(a) Including bonus and commission payments.

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




| TABLE 21 |  | \& 0000 |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | England and Wales | Scotland | Great Eritain |
| Products on hand for sale | $\left\{\begin{array}{l} \text { at beginning of year } \\ \text { at end of year } \end{array}\right.$ | (a) | (a) | $\begin{aligned} & \text { 1. } 294 \\ & 1.495 \end{aligned}$ |
| Work in progress | $\left\{\begin{array}{l}\text { at beginning of year } \\ \text { at }\end{array}\right.$ lat end of year |  |  | $\begin{aligned} & 169 \\ & 176 \end{aligned}$ |
| Total products on hand for sale and work in progress | $\left\{\begin{array}{l} \text { at beginning of year } \\ \text { at end of year } \end{array}\right.$ | $\begin{aligned} & 1.280 \\ & 1.426 \end{aligned}$ | $\begin{gathered} 184 \\ 246 \end{gathered}$ | ${ }_{1}^{1.463}$ |
| Materials and fuel | $\left\{\begin{array}{l} \text { at beginning of year } \\ \text { at end of year } \end{array}\right.$ | $\begin{array}{r} 1,879 \\ 2.565 \\ \hline \end{array}$ | ${ }_{230}^{1150}$ | $\begin{aligned} & 1.995 \\ & 2,794 \end{aligned}$ |



TARLE 22 (contd.)
(iii) Total employees

|  | England and Wales | Scotland | Great Britain |
| :---: | :---: | :---: | :---: |
| Males $\begin{gathered}\text { Under } 18\end{gathered}$ |  |  |  |
| Anl ages | 7. 813 | 562 | 8. 375 |
| Females $\begin{gathered}\text { Under } 18 \\ \text { all }\end{gathered}$ | 91 | 9 | 97 |
| All ages | 941 | 91 | 1.032 |
| Total <br> Under 18 <br> All ages (c) | 8.754 | 13 653 | 9. 407 |

(a) Excluded employees. The number of persons employed at the larger establishments in this trade but no (b) Mumber emploped in the week ended Septenber 22.1951.

|  | England and Wales | Scotland | Great Britain |
| :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Cateven workers } \\ & \text { Males } \\ & \text { Menales } \end{aligned}$ | $17{ }^{9}$ | 9 | $180^{9}$ |
| Total | 180 | 9 | 189 |
| Other workers Males Females | $\begin{aligned} & 166 \\ & 21 \\ & \hline \end{aligned}$ | 9 | $\begin{array}{r} 173 \\ 23 \\ \hline \end{array}$ |
| Total | 187 | 9 | 196 |
| Total excluded employees | 367 | 18 | 385 |


| Average employment |  |  |  |
| :---: | :---: | :---: | :---: |
| ThBLE 23 Larger establi shments (a) |  |  |  |
|  | England and Wales | Scotland | Great Britain |
| Operatives | 6.885 | 520 | 7.405 |
| employees | 1.890 | 127 | 2.017 |
| Total | 8.775 | 647 | 9.422 |

For employment in small firms lemploying on the average
Outworkers. No outworkers were recorded in this trade

SEED CRUSHing and oil refining country tables
Wages and salaries and employers' National Insurance contributions paid during the year

Larger establishments
TABLE 24

|  | England and Wales | Scotland | Great Britain |
| :---: | :---: | :---: | :---: |
| Wages and salaries (a) of |  |  |  |
| Operative <br> Administrative. technical and clerical employees | 2.748 | 1.74 | 2,922 |
|  | 1.072 | 61 | 1.133 |
| Total | 3.821 | 235 | 4.056 |
| Employers ${ }^{\circ}$ contributions to all National Insurance Schemes | 91 | 7 | 98 |

Employers' contributions to all National
Insurance Schemes
(a) Including bonus and commission payments.

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

|  | England and wales | Scotland | Great Brita |
| :---: | :---: | :---: | :---: |
| Plant. machinery and vehicles |  |  |  |
| Acquisitions Plant and mach inery |  |  |  |
| ${ }_{\text {New }}^{\text {Necond-h }}$ | 1. ${ }_{13} 202$ | 76 | 1. 278 |
| Vehicles |  |  |  |
| ${ }_{\text {Sem }}^{\text {New }}$ Sond-hand | $\left(\begin{array}{l}\text { (a) } \\ (\mathrm{a})\end{array}\right.$ | $(\mathrm{a})$ | ${ }_{6}^{49}$ |
|  |  |  |  |
| Total acquisitions | 1. 269 | 79 | 1.348 |
| Disposals <br> Plant and machinery | 29 | 1 | ${ }^{30}$ |
|  |  |  |  |
| Total disposals | (a) | (a) | 49 |
|  |  |  |  |
| Capital expenditure on new building and other constructional work of a oapital nature (excluding site values and | 401 | 12 | 413 |
|  |  |  |  |

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

| TABLE 26 Larger establishments |  |  |  |
| :---: | :---: | :---: | :---: |
|  | England and Wales | Scotland | Great Britain |
| Amounts paid to other firms and under takings | 506 | 21 | 527 |
|  | 21 | - | 21 |
| Total | 527 | 21 | 548 |



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