

BOARD OF TRADE

## THE REPORT

on the
CENSUS OF PRODUCTION
FOR 1951
Volume 9
Trade E
STARCH


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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FINAL REPORT ON THE CENSUS OF PRODUCTION FOR 1948 VOLUME 9 - TRADE E - STARCH

## Corrigendum

Page $9 / \mathrm{E} / 14$. Table 24, footnote (b). FOR underhand, READ individual. Board of Trade. November, 1951

## STARCH TRADE

THIS REPORT on the Starch Trade relates to establishments engaged wholly or mainly in the manufacture of starch, cornflour, dextrine and laundry blue

This trade corresponds to minimum list heading $162(5)$ in the Standard Industrial Classification.

The large quantities of maize starch and by-products produced by this trade in post-war years for the Ministry of Food appear in the report as amounts charged for work done and not at selling values; the corresponding amounts of materials supplied by the Ministry of Food are, therefore, excluded.

There were no larger establishments in Northern Ireland in the register for this trade

| Great Britain |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1951 | 1950 | 1949 | 1948 | 1937 | 1935 |
| $\begin{aligned} & \varepsilon .000 \\ & 6.796 \end{aligned}$ | $\begin{aligned} & \varepsilon .000 \\ & 5.229 \end{aligned}$ | $\begin{aligned} & \varepsilon \cdot 000 \\ & 4.535 \end{aligned}$ | $\begin{aligned} & \varepsilon .000 \\ & 3.762 \end{aligned}$ | $\begin{aligned} & \varepsilon_{0} 000 \\ & 1.502 \end{aligned}$ | $\begin{aligned} & £^{\prime} 000 \\ & 1.219 \end{aligned}$ |
| 4.300 | 3.369 | 2.876 | 2.339 | 815 | 621 |
| $\begin{array}{r} 17 \\ 190 \end{array}$ | 4 | + 1 | . | . | - |
| $\begin{aligned} & 2.288 \\ & 1.002 \end{aligned}$ | $\begin{array}{r} 1.856 \\ 938 \end{array}$ | $\begin{array}{r} 1.658 \\ 840 \end{array}$ | 1.423 ${ }_{836}$ | $\stackrel{687}{ }$ | $\stackrel{598}{ }$ |
| ${ }_{2.576}^{\mathrm{N}_{0}}$ | ${ }_{2.712}^{\text {No. }}$ | $\begin{gathered} \text { No } \\ 2.525 \end{gathered}$ | $\begin{gathered} \text { No. } \\ 2.543 \end{gathered}$ | $\begin{gathered} \text { No. } \\ 1.978 \end{gathered}$ | $\xrightarrow{\text { No\% }}$ 1.778 |
| ${ }_{888}^{£}$ | ${ }_{684}^{£}$ | ${ }_{655}^{\ell}$ | ${ }_{560}^{\varepsilon}$ | ${ }_{347}^{\ell}$ | ${ }_{336}$ |
| £.000 | \&. 000 | \&.000 | £. 000 | \&. 000 | £. 000 |
| ${ }_{813}^{501}$ | 324 483 | ${ }_{457}^{260}$ | 225 408 |  | . |
| ${ }^{\text {No }}$ i9 | ${ }^{\text {No }}$ i9 | ${ }^{\mathrm{No}}{ }_{i 9}$ | ${ }^{\mathrm{No}}{ }_{9}$ | No. | ${ }^{\text {No }}{ }_{3}$ |

## Gross output (productioft) (b)

Cost of materials and fuel used (c)
Payment for work done on materials
payment
given out
Trasport
vet output
Vages and

```
sport payments (d)
```

$\qquad$
Average number of persons employed (e)
Net output per person employed (e)
Stocks at end of year
Products on hand for sale and
work in progress mork in progress
Materials and fuel
Number of establishments
materials and fuel used are derived in the following way:-

| $\begin{aligned} & £ \cdot 000 \\ & 5.394 \\ & 1.213 \\ & +\quad 189 \end{aligned}$ | £. 000 <br> 5.274 <br> $+68$ | $\begin{aligned} & £ 000 \\ & 4.597 \\ & +\quad 38 \end{aligned}$ | $\begin{array}{r} £^{\prime} 000 \\ 3.443 \\ 426 \\ -\quad 7 \end{array}$ | $\begin{aligned} & \varepsilon^{\prime} 000 \\ & 1.203 \\ & 299 \end{aligned}$ | $\begin{array}{r} \varepsilon .000 \\ 1.037 \\ 182 \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $6.796$ | $\begin{array}{r} 5.342 \\ 113 \end{array}$ | $\begin{array}{r} 4,635 \\ 101 \end{array}$ | $\begin{array}{r} 3.863 \\ 101 \end{array}$ | 1.502 | 1.219 |
| 6.796 | 5.229 | 4.535 | 3.762 | 1.502 | 1.219 |
| $\begin{array}{r} 4.633 \\ -332 \end{array}$ | $\begin{aligned} & 3.387 \\ & -\quad 18 \end{aligned}$ | $\begin{array}{r} 2.929 \\ -\quad 53 \end{array}$ | $\begin{array}{r} 2,364 \\ -\quad 25 \end{array}$ | 815 | 621 |
| 4.300 | 3.369 | 2.876 | 2.339 | 815 | 621 |

Materials and fuel used
.

Gross output for 1951 includes payments to other firms ath uners payments for transport services
transport orcanisations for transport services. For other years
outwards on finished goods sold are excluded.


(e) Including morking proprietors. For an estimate of the total numbers of persons employed in the
trade see Table 3 3
(f) Total value of sales (1951, 1950. 1949 and 1948) or production for sale (1937 and 1935)
(g) For details for 1951 and 1948 see Table 8 .
(h) For details for 1951 and 1948 see Table 10 .
(i) For detail for for 1951 see Table 21 .

|  | Great Britain |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 1951 | 1950 | 1949 | 1948 |
| Number of returns | 12 | 12 | 9 | 9 |
| Average number of persons employed $\begin{aligned} & \text { Males } \\ & \text { Females } \end{aligned}$ | $\begin{aligned} & 65 \\ & 19 \\ & \hline \end{aligned}$ | $\begin{array}{r} 59 \\ 13 \\ \hline \end{array}$ | ${ }_{9}^{47}$ | 44 16 |
| Total | 84 | 72 | 56 | 60 |

Estimated average employment (a)
All firms


Analysis by size, 1951
Larger establishments in Great Britain

| Average numployed employe | $\begin{gathered} \text { Establi ish } \\ \text { men ts } \end{gathered}$ | Gross ou tput | $\begin{gathered} \text { Net } \\ \text { ou tput } \end{gathered}$ | Persons employed <br> employed | Remuneration |  |  | $\begin{aligned} & \text { Net output } \\ & \text { per person } \\ & \text { employed } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Operatives | $\begin{aligned} & \text { Other } \\ & \text { employees } \\ & \text { (a) } \end{aligned}$ | Total |  |
| $\begin{gathered} 11-24 \\ { }_{25}^{25}-99 \\ 100: 749 \end{gathered}$ | $\begin{gathered} \mathrm{No} 0 . \\ 3 \\ 7 \\ 9 \end{gathered}$ | $\begin{aligned} & \varepsilon^{\prime} 000 \\ & 386 \\ & 1.533 \\ & 4.878 \end{aligned}$ | $\begin{aligned} & £^{\prime} 0000 \\ & 54 \\ & 1.994 \end{aligned}$ | $\begin{array}{r} \mathrm{No} 0 \\ 62 \\ 3.40 \\ 2.174 \end{array}$ | $\begin{gathered} \varepsilon^{\prime} 000 \\ 16 \\ 101 \\ 592 \end{gathered}$ | $\begin{gathered} £ \cdot 000 \\ 9 \\ 44 \\ 241 \end{gathered}$ | $\begin{array}{r} \varepsilon .000 \\ 25 \\ 145 \\ 835 \end{array}$ | $\begin{aligned} & 8 \\ & 879 \\ & 885 \\ & 892 \end{aligned}$ |
| Total | 19 | 6.796 | 2. 288 | 2,576 | 709 | 293 | 1,002 | 888 |

[^0]

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

Larger establishments in Great Britain

| TABLE 8 |
| :--- |

(a) Amount charged.

Sales of principal products of the trade by establishments classified to other trades
Larger establishments in Great Britain
TABLE 9

| (\|c|c|c|c|c|c |
| :--- |

Sales in the trade of other than principal products Larger establishments in Great Britain
TABLE 10

|  | 1951 |  | 1948 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | value | Quantity | Value |
| Preserved foods | $\underset{\substack{\text { Th. }{ }_{\text {cutsts }} \\ 114.3}}{ }$ | $£_{577} .000$ | $\begin{gathered} \text { Th .cwts. } \\ 46.0 \end{gathered}$ | $\begin{aligned} & \varepsilon_{233}^{\cdot 000} \\ & \hline 20 \end{aligned}$ |
| Adhesives | 68.7 | 223 | 12.8 | 52 |
| Dyes and dye intermediates | 7.4 | 82 | 6.9 | 67 |
| Other goods | .. | 331 |  | 59 |
| Work done |  | . |  | $16(a)$ |
| Total |  | 1.213 |  | 426 |

Production, exports and imports of certain principal products (a)
TABLE 11

|  |  | Production (b) (c) | Exports | Retained imports |
| :---: | :---: | :---: | :---: | :---: |
| Starch ${ }_{\text {Maize }}$ starch | $\left\{\begin{array}{l}1951 \\ 1948 \\ 1937\end{array}\right.$ |  | $\begin{aligned} & \text { Th.cwts. }(\mathrm{c}) \\ & 24.9 \\ & 25.1 \\ & 48.1 \end{aligned}$ | $\begin{aligned} & \text { Th.cwts } \\ & 1.836 .6 \text { (e) } \\ & 1.130 .9 \\ & 1.899 .2 \end{aligned}$ |
| Other sorts | $\left\{\begin{array}{l}1951 \\ 1948 \\ 1937\end{array}\right.$ | $\begin{aligned} & 134.3 \\ & 176.0 \\ & 275.8 \end{aligned}$ | $\begin{aligned} & 11.4 \\ & 6.6 \\ & 18.2 \end{aligned}$ | $\begin{aligned} & 2.478 .2 \\ & 1.087 .9 \\ & \text { 3. } 596.8 \end{aligned}$ |
| Dextrine (including soluble starch, thin boiling starch and 'British gum") and starch wholly or partly dextrinised or gelatinised | $\left\{\begin{array}{l}1951 \\ 1948 \\ 1937\end{array}\right.$ | 753.6 <br> 527.7 <br> 277.2 | 52.0 36.5 13.9 |  |
| Laundry blue | $\left\{\begin{array}{l} 1951 \\ 1948 \\ 1937 \end{array}\right.$ | $\begin{array}{r} 55.5 \\ 64.8 \\ 133.0 \end{array}$ | $\begin{aligned} & \begin{array}{l} 45.9 \\ 48.8 \\ 49.3 \end{array} \end{aligned}$ | . |

[^1]
## Employment in September



| TABLE 14 |
| :--- |
| Number |

$$
\text { Shift working, } 1951 \text { (a) }
$$

Larger establishments in Great Britain

| TABLE 15 |
| :--- |

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

|  | Returns |  | Operatives |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\underset{\text { Total inde }}{\text { trade }}$ | Showing <br> shift-work | Total in trade | $\begin{aligned} & \text { Total on } \\ & \text { returns } \\ & \text { showing } \\ & \text { shift-work } \end{aligned}$ | Number employed on shift |
| Number <br> Percentage of total in trade Percentage of total on returns showing shift-work | $\begin{array}{r} 17 \\ 100.0 \end{array}$ | $\begin{array}{r} 11.7 \end{array}$ | 2.044 100.0 | $\begin{array}{r} 1,444 \\ 70.6 \\ 100.0 \end{array}$ | $\begin{array}{r} 608 \\ 29.7 \end{array}$ |

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

Larger establishments
TABLE 16

|  | Great Britain |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 1951 | 1950 | 1949 | 1948 |
| Wages and salaries (a) of |  |  |  |  |
| Operatives ${ }_{\text {Adminis }}^{\text {Adrative, technical and }}$ | 709 | 635 | 569 | 551 |
| clerical employees | 293 | 303 | 271 | 286 |
| Total | 1.002 | 938 | 840 | 836 |
| Employers ${ }^{\circ}$ contributions to all National Insurance Schemes | 26 | 26 | 24 | 19 |

(a) Including bonus and commission payments.

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


COUNTRY TABLES
1951
Note. - There were no larger establishments in Wales in the register for this trade ond. owing to the risk
of disclosure of information relating to individual firms. separate particulars for Scotland comnot be given

TABLE 18 - Summary: Larger establishments
See Table 1.

TABLE 19 - Summary: Small firms
See Table 2. There were no small firms (employing on the average ten or fewer persons) in
Wales or Scotland in the register for this trade.

Sales in the trade
Larger establishments

| TABLE 20 |
| :--- |

(a) There were no larger establishments in Wales in the register for this trade.
(b) Owing ot the risk of disclosure of information relating to individual firms, separate particulars
comnot be given. (c) Amount charged.

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

ABLE 21
Larger establishments

|  |  | $\begin{aligned} & \text { England } \\ & \text { and Wales }(a) \\ & \hline \end{aligned}$ | Scotland (a) | Great Britain |
| :---: | :---: | :---: | :---: | :---: |
| Products on hand for sale <br> Work in progress | \{at beginning of year lat end of year | ... | . | 235 415 |
|  | $\left\{\begin{array}{l}\text { at beginning of year } \\ \text { at end of year }\end{array}\right.$ lat end of year | .. | .. | $\begin{aligned} & 46 \\ & 76 \\ & 86 \end{aligned}$ |
| Total products on hand for sale and work in progress | $\left\{\begin{array}{l} \text { at beginning of year } \\ \text { at end of year } \end{array}\right.$ | $\because$ | $\because$ | $\begin{aligned} & 311 \\ & 501 \end{aligned}$ |
| Materials and fuel | $\begin{aligned} & \text { at beginning of year } \\ & \text { at end of year } \end{aligned}$ | $\because$ | $\because$ | ${ }_{813}^{481}$ |

(a) Owing to the risk of disclosure of information relating to individual firms. separate particulars
cannot be given. There were no larger establishments in Wales in the register for this trade.

TABLE 22-Employment in September: Larger establishments
See Table 13.
TABLE 23 - Average employment: Larger establishments
See Table 14
TABLE 24 - Wages and salaries and employers National Insurance contributions paid during the year: Larger establishment

See Table 16.

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

See Table ${ }^{17}$.

TABLE 26 - Payments for transport services for finished goods sold and materials and fuel purchased: Larger establishments See Table 1.

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[^0]:    (a) Administrative, technical and clerical employees.

[^1]:    (a) Figures of production (or sales) refer only to larger establishments. All recorded exports from and
    comparable.
    (b) Soles in 1951 and 1948, and production for sale in 1937 .
    c) Including production (or sales) by establishments classified to other trades
    c)
    (c) Including production (or sales) by establis
    (d) Including production for the Ministry of Fo
    (e) Excluding packeted corn flour.

