## THE SOAP, CANDLE AND PERFUMERY TRADES

Note.-For information regarding the scope of the Census, instructions given to firms for making returns, and definitions of the terms used in this report, reference should be made to the Introductory Notes on pages $v$ to xviii.

## Introductory

These trades comprise firms that were engaged wholly or mainly in the manufacture of soap, candles and glycerine and of toilet preparations, perfumery and cosmetics. The following table shows the main results of the Censuses of 1930 and 1924 in respect of firms in Great Britain that employed an average of more than ten persons :-

| Particulars |  | Unit | 1930 | 1924 |
| :---: | :---: | :---: | :---: | :---: |
| Value of goods made (Gross output) |  | £'000 | 28,969 | 31,914 |
| Cost of materials used | ... ... | ", | 16,096 | 19,626 |
| Paid for work given out to other firms | ... ... | ," | 11 |  |
| Net output ... ... |  |  | 12,862 | 12,288 |
| Average number of persons employed | ... ... | No. | 26,789 | 28,909 |
| Net output per person employed | ... ... | £ | 480 | 425 |
| Power available :- |  |  |  |  |
| Prime movers |  | H.P. | 41,140 | 24,125 |
| Electric motors driven by purchased | electricity |  | 16,307 | 9,821 |
| Number of returns ... | ... ... | No. | 174 | 189 |
| Number of establishments |  | " | 189 |  |

* Not available.

Deficiencies in 1930 aggregates.-The aggregate number of persons employed in 1930 by firms that stated that they employed not more than ten persons on the average was 1,128 , the corresponding figure for 1924 being 898. The value of the gross output of the small firms in 1924 was $£ 725,000$, and particulars of the items included in this figure and in the output of $£ 159,000$ for Northern Ireland, particulars of which cannot be stated separately, are given below :-

|  |  |  |  | Th. ewts. | £'000 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Soap ... | ... ... | $\ldots$ | ... | 341 | 432 |
| Candles ... | ... ... | ... | ... | 81 | 172 |
| Perfumery, etc. | ... | $\ldots$ | ... | ... | 140 |
| Essential oils |  | ... | $\ldots$ | ... | 82 |
| Other goods | ... ... | ... | ... | ... | 58 |
|  | Total |  |  | $\ldots$ | 884 |

In addition, 9 firms to which schedules were sent at the 1930 Census and 50 at that of 1924 furnished no information; these firms either had small businesses or had ceased productive operations before the end of the censal year.

Size of firms. - In the following table the main particulars recorded at the Census of 1930 are grouped according to the average numbers of persons shown in the returns :-

| Size of firm (average numbers employed) | Number of returns | Gross output | Net output | Average number of persons employed | Net output per person employed |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | No. | £'000 | $£^{\prime} 000$ | No. | £ |
| 11-24 | 50 | 768 | 285 | 898 | 317 |
| 25-49 | 45 | 1,535 | 677 | 1,503 | 450 |
| 50-99 | 30 | 1,935 | 1,001 | 2,086 | 480 |
| 100-199 | 25 | 3,741 | 1,979 | 3,502 | 565 |
| 200-299 | 7 | 1,787 | 701 | 1,704 | 411 |
| 300-499 | 7 | 3,510 | 1,452 | 2,644 | 549 |
| 500-999 | 5 | 3,176 | 1,312 | 3,090 | 425 |
| 1,000 and over ... | 5 | 12,517 | 5,455 | 11,362 | 480 |
| Total | 174 | 28,969 | 12,862 | 26,789 | 480 |

Regional distribution.-In the following table the results recorded at the Censuses of 1930 and 1924 are grouped according to the principal areas* of Great Britain in which firms in these trades are situated:-

| Area | Number of returns | Gross output | Net output | Average number of persons employed | Net output per person employed |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | No. | £'000 | £'000 | No. | £ |
| 1 . 1930 | 71 | 8,438 | 4,107 | 8,573 | 479 |
| 1 . ${ }^{\text {a }} 1924$ | 73 | 8,009 | 3,084 | 8,620 | 358 |
| 2 . 1930 | 34 | 14,922 | 6,409 | 13,003 | 493 |
| $2 \cdots 1924$ | 36 | 17,115 | 6,740 | 14,277 | 472 |
| $3 \quad 1930$ | 14 | 1,068 | 431 | 885 | 487 |
| 3 ... 1924 | 17 | 1,279 | 487 | 1,031 | 472 |
| 4 ... 1930 | 4 | 748 | 246 | 646 | 381 |
| 4 and 7... 1924 | 4 | 496 | 160 | 431 | 371 |
| 5 ... 1930 | 7 | 411 | 133 | 297 | 448 |
| $5 \quad$... 1924 | 10 | 439 | 158 | 363 | 435 |
|  | 31 | 2,426 | 1,195 | 2,448 | 488 |
| $6 \quad \cdots 1924$ | 34 | 3,488 | 1,340 | 3,237 | 414 |
|  | 8 | 254 | 79 | 287 | 275 |
| $9 \quad \cdots\left\{\begin{array}{l}1924 \\ 1930\end{array}\right.$ | 10 | 476 | 151 | 439 | 344 |
| 10 ... $\left\{\begin{array}{l}1930 \\ 1924\end{array}\right.$ | 5 5 | 702 612 | $\begin{aligned} & 262 \\ & 168 \end{aligned}$ | 650 511 | 403 329 |
| Total... $\left\{\begin{array}{l}1930 \\ 1924\end{array}\right.$ | $\begin{aligned} & 174 \\ & 189 \end{aligned}$ | $\begin{aligned} & 28,969 \\ & 31,914 \end{aligned}$ | $\begin{aligned} & 12,862 \\ & 12,288 \end{aligned}$ | $\begin{aligned} & 26,789 \\ & 28,909 \end{aligned}$ | $\begin{aligned} & 480 \\ & 42.5 \end{aligned}$ |

* For particulars see page xviii.

Northern Ireland.-The following table summarises the particulars recorded at the Census of Production taken by the Government of Northern Ireland for 1930, together with those furnished at the 1924 Census. The 1930 figures relate to firms that employed an average of more than five persons, while those for 1924 relate to all firms.

| Particulars | Unit | 1930 | 1924 |
| :---: | :---: | :---: | :---: |
| Value of goods made and work done (Gross output) | £'000 $^{\prime}$ | 136 | 159 |
| Cost of materials used ... | " | 93 | 112 |
| Net output ... ... ... ... ... ... | , | 43 | 47 |
| Average number of persons employed ... ... | No. | 221 | 257 |
| Net output per person employed ... ... | £ | 195 | 183 |
| Power available :- |  |  |  |
| Prime movers $\ldots$... ... ... ... | H.P, | $\begin{array}{r} 264 \\ 57 \end{array}$ | * |

## * Not available.

Owing to the risk of disclosing information relating to the business of individual firms separate particulars of the production of the Soap and Candle Trade in Northern Ireland were not published.
Sub-divisions of the industry.- In the following table the results of the two Censuses are grouped in four divisions comprising the returns of firms whose chief business consisted in-
(1) Soap boiling ;
(2) The manufacture of candles, night-lights and tapers;
(3) The manufacture of perfumery, cosmetics and toilet requisites ;
(4) Other kinds of manufacture (including soap made by processes other than soap boiling).

| Group | Number of returns | Gross output | Net output | Average number of persons employed | Net output per person employed |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Soap boiling ...\{ $\begin{aligned} & 1930 \\ & 1924\end{aligned}$ | No. 57 | $\begin{gathered} £^{\prime} 000 \\ 20,782 \\ 24,686 \end{gathered}$ | $\begin{gathered} £^{\prime} 000 \\ 8,764 \\ 9,435 \end{gathered}$ | $\begin{gathered} \text { No. } \\ 18,350 \\ 20,364 \end{gathered}$ | $\begin{gathered} £ \\ 478 \\ 463 \end{gathered}$ |
| $\begin{array}{cc} \text { Candles, night- } \\ \left.\begin{array}{cc} \text { lights } & \text { and } \\ \text { tapers } & \ldots \end{array}\right\} 1930 \\ 1924 \end{array}$ | 18 | $\begin{aligned} & 2,168 \\ & 2,941 \end{aligned}$ | $\begin{aligned} & 779 \\ & 940 \end{aligned}$ | $\begin{aligned} & 2,658 \\ & 3,068 \end{aligned}$ | $\begin{aligned} & 293 \\ & 306 \end{aligned}$ |
| $\left.\begin{array}{cc} \text { Perfumery, cos- } \\ \text { metics and } \\ \text { toilet requis- } \\ \text { ites } \ldots & \ldots \end{array}\right\} 1924$ | 54 | $\begin{aligned} & 4,279 \\ & 2,030 \end{aligned}$ | $\begin{aligned} & 2,594 \\ & 1,049 \end{aligned}$ | $\begin{aligned} & 4,081 \\ & 2,770 \end{aligned}$ | $\begin{aligned} & 636 \\ & 379 \end{aligned}$ |
| Other kinds of manufacture $\left\{\begin{array}{l}1930 \\ 1924\end{array}\right.$ | 45 | $\begin{aligned} & 1,740 \\ & 2,257 \end{aligned}$ | $\begin{aligned} & 725 \\ & 864 \end{aligned}$ | $\begin{aligned} & 1,700 \\ & 2,707 \end{aligned}$ | $\begin{aligned} & 426 \\ & 319 \end{aligned}$ |
| Total $\ldots\left\{\begin{array}{l}1930 \\ 1924\end{array}\right.$ | $\begin{aligned} & 174 \\ & 189 \end{aligned}$ | $\begin{aligned} & 28,969 \\ & 31,914 \end{aligned}$ | $\begin{aligned} & 12,862 \\ & 12,288 \end{aligned}$ | $\begin{aligned} & 26,789 \\ & 28,909 \end{aligned}$ | $\begin{aligned} & 480 \\ & 425 \end{aligned}$ |

## Production

Soap and glycerine.-The following table gives particulars of the output of these products in 1930 and 1924 :-

| Kind of goods | 1930 |  |  |  |  |  | 1924 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Returned on schedules for |  |  |  |  |  | Total |  |
|  | The Soap, Candle and Perfumery Trades |  |  | All trades |  |  |  |  |
|  | $\begin{aligned} & \text { Quan- } \\ & \text { tity } \end{aligned}$ | Value | Ent ries | Quantity | Value | Ent ries | Quantity | Value |
| Soap :- <br> Soft <br> Hard, in bars and tablets, excluding toilet, shaving and abrasive | Th. cwts. | £'000 | No. | Th. cwts. | £'000 | No. | Th. cwts. | £'000 |
|  | 305 | 404 | 46 | 321 | 431 | 59 | 300 | 483 |
|  | 5,694 | 10,958 | 78 | 5,701 | 10,977 | 81 | 6,316 | 13,622 |
| Toilet (except shaving), in bars and tablets ... | 399 | 2,465 | 68 | 401 | 2,481 | 77 | 475 | 13,622 3,305 |
| Shaving soap, including shaving cream | 22 | 414 | 49 | 22 | +427 | 57 | - 15 | 3,39 |
| Abrasive, hard or in powder, for polishing and scouring | 375 | 955 | 23 | 375 | 957 | 25 |  |  |
| Textile and other industrial soaps returned as such | 303 | 471 | 28 | 313 | 482 | 32 | 577* | 1,244* |
| Powder and flake, other than abrasive | $1,951$ | $\begin{array}{r}471 \\ 4,188 \\ \hline\end{array}$ | 28 69 | $1,983$ | 482 4,221 | 757 | 1,696 | 3,897 |
| Other kinds of soap ... | $33$ | 107 | 9 | $48$ | 156 | $265$ | 1,696 | 3,897 |
| Total-Soap, excluding soap base ... ... | 9,082 | 19,962 | $\ldots$ | 9,164 | 20,132 | $\ldots$ | 9,379 | 22,770 |
| Soap base $\dagger$ | 255 | 354 | 6 | 255 | 354 | 6 | 210 | 216 |
| Crude (made for sale) ... | 353 | 503 | 58 | 354 | 504 | 60 | 221 | 524 |
| Distilled... ... ... | 74 | 183 | 7 | 100 | 242 | 8 | 253 | 923 |
| Total ... | $\ldots$ | 21,002 | $\ldots$ | ... | 21,232 | $\ldots$ | ... | 24,433 |

* Classified as "Polishing and scouring soap":-

$\dagger$ i.e., Soap made for sale to other soap and perfumery manufacturers for further processing.

Of the output shown for 1930 in the above table as returned on schedules for the Soap, Candle and Perfumery Trades (£21,002,000), the firms included in group (1) on page 319 recorded the following amounts :-


The firms in group (1) produced about 90 per cent. of the total quantity of soap made in 1930, 95 per cent. of the output of crude glycerine and 74 per cent. of that of distilled glycerine. These firms also manufactured other products valued at $£ 1,741,000$, their gross output amounting to £20,782,000.

Total make of crude glycerine. -The total quantity of crude glycerine produced in 1930, including amounts refined or otherwise used in the makers' own works, was $406,000 \mathrm{cwts}$. ( 61 entries), including $1,000 \mathrm{cwts}$. (2 entries) recorded as output on schedules for other trades. In 1924, the aggregate production of crude glycerine amounted to $447,000 \mathrm{cwts}$., including $2,000 \mathrm{cwts}$. returned on schedules for other trades, and $2,000 \mathrm{cwts}$. recorded by small firms and by firms in Northern Ireland. Exports and retained imports of crude glycerine were as follows :-

|  |  |  |  | 1930 |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Th. cwts. Th. cwts. |  |  |  |
|  |  | $\ldots$ | $\ldots$ | $\ldots$ | $\ldots$ | 29 | 65 |
| Exports | $\ldots$ | $\ldots$ | $\ldots$ | 13 | 24 |  |  |

The quantity of crude glycerine available for consumption in the United Kingdom was thus about $390,000 \mathrm{cwts}$. in 1930 and 406,000 cwts. in 1924. The output of distilled glycerine in the two years is shown in the above table as 100,000 cwts. and 253,000 cwts. respectively, so that, assuming an average glycerine content of 80 per cent. in the crude glycerine as returned and a small loss of weight in the distilling process, it may be estimated that about $256,000 \mathrm{cwts}$. of glycerine in 1930, and about $68,000 \mathrm{cwts}$. in 1924 , were available in the crude state for use in the manufacture of explosives and other goods.

Candles, night-lights and tapers.-The following table gives particulars of the output of these products in 1930 and 1924, as returned on schedules for all trades :-

| Kind of goods | 1930 |  |  | 1924 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Entries | Quantity | Value |
| Candles, night-lights and tapers ... | Th. cwts. 783* | $\begin{aligned} & £_{1,000}^{1,581^{*}} \end{aligned}$ | $\begin{gathered} \text { No. } \\ 34^{*} \end{gathered}$ | Th. cwts. 918 | $\begin{aligned} & £^{\prime} 0000 \\ & 2,103 \end{aligned}$ |
| Waxes (including paraffin wax $\dagger$ ) refined, etc. | 40 | 118 | 9 | 127 | 296 |
| Total ... | ... | 1,699 | ... | ... | 2,399 |

* Including 400 cwts., valued at $£ 1,000$, returned on three schedules for other trades.
$\dagger$ The production of crude paraffin wax is dealt with in the report on the Petroleum Refining Trade (pages 377-86).

Of the above output, the firms included in group (2) on page 319 recorded the following amounts :-

About three-fourths of the total production of candles, nightlights and tapers in 1930 was recorded by this group of firms Other products made by these firms were valued at $£ 913,000$ (mainly lubricating oils, stearine and acid oils), the gross output of the group amounting to $£ 2,168,000$.

Perfumery and perfumed spirits, cosmetics and toilet requisites. The following table gives particulars of the output of these products in 1930 and 1924 :-

| Kind of goods | 1930 |  |  |  |  |  | 1924 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Returned on schedules for |  |  |  |  |  | Total |  |
|  | The Soap, Candle and Perfumery Trades |  |  | All trades |  |  |  |  |
|  | Quantity | Value | $\begin{array}{\|l\|} \hline \text { Ent- } \\ \text { ries } \end{array}$ | Quantity | Value | Entries | Quantity | Value |
|  | Th. | £’000 | No. | Th. <br> lbs. | $£^{\prime} 000$ | No. | Th. <br> lbs. | £'000 |
| Perfumery, cosmetics and / toilet requisites | 12,829 | 2,722 | 50 25 | $\underset{*}{14,560}$ | $\begin{aligned} & 3,106 \\ & 1,068 \end{aligned}$ | $\begin{aligned} & 96 \\ & 45 \end{aligned}$ | $\underset{*}{1,515}$ | 302 2,028 |
| Perfumed spirits ... | Th. galls. 75 | 541 | 22 | Th. galls. 86 | 596 | 42 | Th. galls. 89 | 629 |
| Total | $\ldots$ | 4,123 | $\ldots$ | $\ldots$ | 4,770 | $\ldots$ | ... | 2,959 |

[^0]Of the output shown above as returned on schedules for the Soap, Candle and Perfumery Trades ( $£ 4,123,000$ ), the firms included in group (3) on page 319 produced the following amounts :-


* Weight not stated.

About 79 per cent. of the total value of the output of perfumery, cosmetics and toilet requisites and 87 per cent. of that of perfumed spirits was recorded by this group of firms. The remaining output of these firms was valued at $£ 446,000$, their gross output amounting to $£ 4,279,000$.

Prices.-The average selling values of the principal products of these trades in 1930 and 1924, as calculated from the Census returns, are shown in the following table. The category "Perfumery, cosmetics and toilet requisites" includes articles of numerous varieties, and any changes that may have occurred since the earlier year in the quality or type of goods included under this description are not taken into account in the comparison ; moreover, particulars of quantity were given for only a comparatively small proportion of the output in 1924, and the goods to which the calculated average relates may not be very representative.

| Kind of goods | Average value |  | 1930 as a percentage of 1924 |
| :---: | :---: | :---: | :---: |
|  | 1930 | 1924 |  |
|  | s. per cwt. | s. per cwt. | Per cent. |
| Soft | $26 \cdot 8$ | $32 \cdot 2$ | $83 \cdot 2$ |
| Hard, in bars and tablets (excluding toilet, shaving and abrasive) | $38 \cdot 5$ | $43 \cdot 3$ | $88 \cdot 9$ |
| Toilet (except shaving), in bars and tablets | $123 \cdot 6$ | $139 \cdot 0$ | $88 \cdot 9$ |
| Shaving soap, including shaving cream Abrasive and industrial ... | $383 \cdot 3$ 41.8 | 301.9 | $127 \cdot 0$ |
| Abrasive and industrial $\ldots$... $\ldots$. Other sorts, including powder and | $41 \cdot 8$ | $43 \cdot 2$ | $96 \cdot 8$ |
| flake ... ... ... ... ... | $43 \cdot 1$ | $46 \cdot 0$ | $93 \cdot 7$ |
| Crude ... | $28 \cdot 5$ | $47 \cdot 5$ | $60 \cdot 0$ |
| Distilled... ... ... ... ... | $48 \cdot 7$ | $74 \cdot 0$ | $65 \cdot 8$ |
| Candles, night-lights and tapers | $40 \cdot 4$ | $45 \cdot 9$ | $88 \cdot 0$ |
| Paraffin wax (refined) $\quad . . \quad$... $\quad .$. | $22 \cdot 9$ | $40 \cdot 3$ | $56 \cdot 8$ |
| Other waxes (except sealing wax) ... | $65 \cdot 0$ | $82 \cdot 6$ | $78 \cdot 7$ |
| Perfumery, cosmetics and toilet requisites | s. per lb. | s. per lb. $4 \cdot 00$ | $106 \cdot 8$ |
| Perfumed spirits ... ... ... ... | $\begin{gathered} \text { £ per gall. } \\ 6.95 \end{gathered}$ | $\begin{gathered} £ \text { per gall. } \\ 7 \cdot 11 \end{gathered}$ | $97 \cdot 7$ |

Volume of production in 1930 and 1924. -The following table compares the volume of production of soap, candles, perfumery and other principal products of these trades in 1930 and 1924. As regards the calculation made for "Perfumery, cosmetics, etc.," the qualifications mentioned in the previous paragraph should not be overlooked.

| Kind of goods | -Total production |  |  | 1930as apercentageofof 1924 |
| :---: | :---: | :---: | :---: | :---: |
|  | 1930 | 1924 |  |  |
|  | As returned | $\stackrel{\text { As }}{\text { returned }}$ | At 1930 average values |  |
|  | £ $^{\prime} 000$ | $£^{\prime} 000$ | £'000 | Per cent. |
| Soap:- Soft | 431 | 483 | 402 | 107 |
| Hard, in bars and tablets, excluding toilet, shaving and abrasive | 10,977 | 13,622 | 12,110 | 91 |
| Toilet (except shaving), in bars and tablets | 2,481 | 3,305 | 2,938 | 84 |
| Shaving soap, including shaving cream | 427 | 219 | 278 | 154 |
| Abrasive and industrial ... | 1,439 | 1,244 | 1,204 | 120 |
| Other sorts ... ... ... | 4,377 | 3,897 | 3,651 | 120 |
| Soap base ... ... ... | 354 | 216 | 292 | 121 |
| Glycerine :- <br> Crude | 504 | 524 | 314 | 160 |
| Distilled ... ... ... ... | 242 | 923 | 607 | 40 |
| Candles, night-lights and tapers ... | 1,581 | 2,103 | 1,851 | 85 |
| Waxes (including paraffin wax) refined, etc. | 118 | 296 | 185 | 64 |
| Perfumery, cosmetics, etc. | 4,174 | 2,330 | 2,488 | 168 |
| Perfumed spirits ... ... ... | 596 | 629 | 615 | 97 |
| Total ... ... ... | 27,701 | 29,791 | 26,935 | 103 |

Production, exports and imports.-The following table shows, in relation to production, the quantities of soap, candles, glycerine and perfumed spirits exported from the United Kingdom in 1930 and 1924, together with the quantities imported and retained. The figures for 1924 include the output of the small firms and of firms in Northern Ireland.

| SOAP, CANDLE AND PERFUMERY |
| :--- |
|  <br> Kind of goods |
| Produc- <br> tion |
|  |

* Including textile and other industrial soaps returned as such.
$\dagger$ Described in the trade returns as "Candles" only.
$\ddagger$ Exports of distilled glycerine in 1930 were fractionally higher than the recorded production for sale in that year, being probably drawn, in part, from accumulated stocks ; reliable figures are, therefore, not a vailable for insertion here.
In the absence of a sufficiently representative record of the quantities of "Perfumery, cosmetics and toilet requisites" manufactured, comparison between production and external trade can
only be made for these commodities in terms of value. In comparing the figures given below, the differences in the bases of valuation of production, exports and imports should be borne in mind.


Other products. - In addition to the output shown in the three tables of principal products, the following goods were produced in 1930 and 1924 by firms that made their returns on schedules for the Soap, Candle and Perfumery Trades. These goods are dealt with in the reports on those trades in which the principal output was recorded.


## Employment and Wages

Employment.-The following table shows the average numbers of persons employed in 1930 and 1924 :-

| Persons employed | Males |  | Females |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { Under } \\ & 18 \end{aligned}$ | $\begin{aligned} & \text { All } \\ & \text { ages } \end{aligned}$ | $\begin{aligned} & \text { Under } \\ & 18 \end{aligned}$ | $\begin{gathered} \text { All } \\ \text { ages } \end{gathered}$ | $\begin{aligned} & \text { Under } \\ & 18 \end{aligned}$ | $\begin{gathered} \text { All } \\ \text { ages } \end{gathered}$ |
| 1930    <br> Operatives (average for the year)    <br> Administrative, technical and   <br> clerical staff (as at 18th  <br> October) .. ...  | 835 254 | 10,673 5,090 | 2,785 482 | 8,346 2,680 | $\begin{array}{r}3,620 \\ 736 \\ \hline\end{array}$ | 19,019 7,770 |
| Total ... ... | 1,089 | 15,763 | 3,267 | 11,026 | 4,356 | 26,789 |
| 1924    <br> Operatives (averagefor the year)    <br> Administrative, technical and   <br> clerical staff (as   <br> October) $\ldots$  $)$ 18th | 1,505 338 | $\begin{array}{r} 11,856 \\ 4,924 \end{array}$ | 3,248 313 | 9,727 2,402 | 4,753 651 | 21,583 7,326 |
| Total ... | 1,843 | 16,780 | 3,561 | 12,129 | 5,404 | 28,909 |

Wages.-The available information as to the amount of wages paid in 1930 and 1924 is given on pages 252 and 253 .

## Power

The following table shows the capacity of prime movers, electric generators and electric motors ordinarily in use and in reserve or idle in 1930 and 1924 :-

| Power equipment | 1930 |  |  | 1924 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Ordinarily in use | In reserve or idle | Total | Ordinarily in use | In reserve or idle | Total |
| Prime movers | H.P. | H.P. | H.P. | H.P. | H.P. | H.P. |
| Reciprocating steam engines | $4,510$ | $3,305$ | $7,815$ | 12,697 | 2,543 | 15,240 |
| Steam turbines | 20,900 | 11,085 | 31,985 | 4,016 | 2,000 |  |
| Internal combustion engines : Gas... | 585 | 3 | 588 | 1,135 | 352 | 1,487 |
| Petrol, kerosene, or other light oils ... |  | - |  |  | 5 |  |
| Heavy oils... | $124$ | 620 | $744$ | $\begin{aligned} & 92 \\ & 20 \end{aligned}$ | - | 92 20 |
| Total ... . | 26,127 | 15,013 | 41,140 | 19,225 | 4,900 | 24,125 |
| Electric generators Driven by | Kw. | Kw. | Kw. | Kw. | Kw. | Kw. |
| Reciprocating steam engines | 1,039 | 1,821 | 2,860 | 869 | 2,956 | 3,825 |
|  | 14,200 | 7,500 | 21,700 | 3,000 | 1,500 | 4,500 |
| Internal combustion engines:- | 104 | - | 104 | 402 | 232 | 634 |
| Petrol, kerosene, or other light oils <br> Heavy oils | $\begin{array}{r} 3 \\ 41 \end{array}$ | -400 | $\begin{array}{r} 3 \\ 441 \end{array}$ | 3 | - | 3 |
| Total ... . | 15,387 | 9,721 | 25,108 | 4,274 | 4,688 | 8,962 |
| Electric motors Driven by | H.P. | H.P. | H.P. | H.P. | H.P. | Н.Р. |
| Electricity generated in same works ... | 18,258 | 569 | 18,827 | 6,839 | 1,304 | 8,143 |
| Electricity generated in other works under same ownership Purchased electricity | -14,892 | 1,415 | 16,307 | $\begin{aligned} & 3,000 \\ & 9,146 \end{aligned}$ | -675 | $\begin{aligned} & 3,000 \\ & 9,821 \end{aligned}$ |
| Total ... ... | 33,150 | 1,984 | 35,134 | 18,985 | 1,979 | 20,964 |

## Consumption of fuel

The following table shows the quantities of coal, coke and electricity recorded as used in 1930 :-


* These figures were recorded by firms representing $95 \cdot 6$ per cent. of the net output of the whole trade.


## TABLES

I. Summary of results

| Particulars | Unit | England and Wales | Scotland | Great Britain |
| :---: | :---: | :---: | :---: | :---: |
| Value of goods made (Gross output) | $£^{\prime} 000$ | 28,013 | 956 | 28,969 |
| Cost of materials used ... ... | " | 15,481 | 615 | 16,096 |
| Paid for work given out to other firms | " | 11 | - | 11 |
| Net output ... ... ... ... | , | 12,521 | 341 | 12,862 |
| Average number of persons employed... | No. | 25,852 | 937 | 26,789 |
| Net output per person employed ... | £ | - 484 | 364 | 480 |
| Power available :- <br> Prime movers ... | H.P. | 40,630 | 510 | 41,140 |
| Electric motors driven by purchased electricity | " | 15,068 | 1,239 | 16,307 |

## II. Production

A.-Total make of Crude Glycerine as returned on schedules for the Soap, Candle and Perfumery Trades

|  |  |  |  |  | Cwts. |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| England and Wales | $\ldots$ | $\ldots$ | $\ldots$ | $\ldots$ | $\ldots$ | 391,185 |  |
| Scotland | $\ldots$ | $\ldots$ | $\ldots$ | $\ldots$ | $\ldots$ | $\ldots$ | 14,168 |
| Great Britain $\ldots$ | $\ldots$ | $\ldots$ | $\ldots$ | $\ldots$ | $\ldots$ | 405,353 |  |


| Kind of goods made | Unit | England and Wales | Scotland | Great Britain |
| :---: | :---: | :---: | :---: | :---: |
| Soap :- |  |  |  |  |
| Soft ... ... ... ... ...\{ | Th. cwts. <br> £'000 | 229 295 | 76 109 | 305 404 |
| Hard, in bars and tablets, excluding | Th. cuts. | 5,459 | 235 | 5,694 |
| toilet, shaving and abrasive ...\} | £'000 | 10,538 | ${ }_{*}^{420}$ | 10,958 |
| Toilet (except shaving), in bars and $\}$ tablets | Th. cwts. $£^{\prime} 000$ | * | * | 3,49 2,465 |
| Shaving soap, including shaving cream $\ldots$ | Th. cuts. £'000 | * | * | 22 414 4 |
| Abrasive, hard or in powder, for $\quad \cdots$ | Th. cots. | * | * | ${ }_{375}^{474}$ |
| polishing and scouring .... $\ldots$ |  |  | * | 955 |
| Textile and other industrial soaps, $\}$ returned as such | Th. cwts. <br> £'000 | * | * | 303 471 |
| Powder and flake, other than abra- ${ }^{\text {a }}$, | Th. cwts. | 1,829 | 122 | 1,951 |
| sive ... ... ... | £'000 | 3,949 | 239 | 4,188 |
| Other kinds of soap ... | Th. cwts. £'000 | $\begin{array}{r} 33 \\ 107 \end{array}$ | + | $\begin{array}{r}33 \\ 107 \\ \hline\end{array}$ |
|  | Th. cuts. |  |  |  |
| Total-Soap of all kinds | ${ }^{\prime} \times 000$ | 19,072 | 890 | 19,962 |


| Kind of goods made | Unit | England and Wales | Scotland | Great <br> Britain |
| :---: | :---: | :---: | :---: | :---: |
| Soap base ... ... ... ... | $\left\{\begin{array}{c} \text { Th. cwts. } \\ £^{\prime} 000 \end{array}\right.$ | * | * | $\begin{aligned} & 255 \\ & 354 \end{aligned}$ |
| Glycerine :- <br> Crude (made for sale) | $\left\{\begin{array}{c} T h . ~ c w t s . \\ £^{\prime} 000 \end{array}\right.$ | * | * | $\begin{aligned} & 353 \\ & 503 \end{aligned}$ |
| Distilled ... ... ... ... | $\left\{\begin{array}{c} T h . c w t s . \\ £^{\prime} 000 \end{array}\right.$ | * | * | $\begin{array}{r} 74 \\ 183 \end{array}$ |
| Candles, night lights and tapers ... | $\left\{\begin{array}{c} \text { Th. cwts. } \\ £^{\prime} 000 \end{array}\right.$ | * | * | 783 1,580 |
| Waxes (including paraffin wax) refined, etc. | $\left\{\begin{array}{c} T h . c w t s . \\ £^{\prime} 000 \end{array}\right.$ | $\begin{array}{r} 40 \\ 118 \end{array}$ | - | $\begin{array}{r} 40 \\ 118 \end{array}$ |
| $\left.\begin{array}{r} \text { Perfumery, cos- } \\ \text { metics and toilet } \\ \text { requisites (other } \\ \text { than perfumed } \\ \text { spirits, essential } \\ \text { oils and soaps) ... } \end{array}\right\} \text { Weight stated ... }$ | $\left\{\begin{array}{c} T h . l b s . \\ £^{\prime} 000 \\ £^{\prime} 000 \end{array}\right.$ | 12,829 2,722 860 | - | $\begin{array}{r} 12,829 \\ 2,722 \\ 860 \end{array}$ |
| Perfumed spirits ... ... ... | $\left\{\begin{array}{c} \text { Th. galls. } \\ £^{\prime} 000 \end{array}\right.$ | $\begin{array}{r} 75 \\ 541 \end{array}$ | - | $\begin{array}{r} 75 \\ 541 \end{array}$ |
| Animal oils, fats and greases ... ... | $£^{\prime} 000$ | 345 | 26 | 371 |
| Other oils, including lubricating oils and oil seed cake and meal | $£^{\prime} 000$ | 910 | - | 910 |
| Chemical compounds (including soda compounds, disinfectants and chemists' sundries) | $£^{\prime} 000$ | 605 | - | 605 |
| Washing and scouring materials, other than soap | £'000 | 92 | 2 | 94 |
| Other goods made ... ... ... | $£^{\prime} 000$ | 157 | 9 | 166 |
| Total value of goods made (Gross output) | $£^{\prime} 000$ | 28,013 | 956 | 28,969 |

[^1]$\dagger$ Less than 500 cwts.
$\ddagger$ Less than $£ 500$.

## III. Employment

A.-Numbers employed in week ended 18 th October, 1930

| Persons employed |  | Males |  | Females |  | Males and females |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{array}{\|c} \text { Under } \\ 18 \end{array}$ | $\begin{gathered} \text { All } \\ \text { ages } \end{gathered}$ | $\begin{gathered} \text { Under } \\ 18 \end{gathered}$ | $\begin{gathered} \text { All } \\ \text { ages } \end{gathered}$ | $\begin{gathered} \text { Under } \\ 18 \end{gathered}$ | $\begin{aligned} & \text { All } \\ & \text { ages } \end{aligned}$ |
| England and Wales :Operatives ... ... Administrative, etc.* | $\ldots$ | $\begin{aligned} & 745 \\ & 246 \end{aligned}$ | $\begin{array}{r} 10,143 \\ 4,915 \end{array}$ | $\begin{array}{r} 2,671 \\ 475 \end{array}$ | $\begin{aligned} & 8,050 \\ & 2,624 \end{aligned}$ | $\begin{array}{r} 3,416 \\ 721 \end{array}$ | $\begin{array}{r} 18,193 \\ 7,539 \end{array}$ |
| Total | ... | 991 | 15,058 | 3,146 | 10,674 | 4,137 | 25,732 |
| Scotland:Operatives Administrative, etc.* | $\ldots$ | $\begin{array}{r} 85 \\ 8 \end{array}$ | $\begin{aligned} & 464 \\ & 175 \end{aligned}$ | $\begin{array}{r} 97 \\ 7 \end{array}$ | $\begin{gathered} 245 \\ 56 \end{gathered}$ | $\begin{array}{r} 182 \\ 15 \end{array}$ | $\begin{aligned} & 709 \\ & \end{aligned}$ |
| Total ... . | ... | 93 | 639 | 104 | 301 | 197 | 940 |
| Great Britain :Operatives ... Administrative, etc.* | ... | $\begin{aligned} & 830 \\ & 254 \end{aligned}$ | $\begin{gathered} 10,607 \\ 5,090 \end{gathered}$ | $\begin{array}{r} 2,768 \\ 482 \end{array}$ | $\begin{aligned} & 8,295 \\ & 2,680 \end{aligned}$ | $\begin{array}{r} 3,598 \\ 736 \end{array}$ | $\begin{array}{r} 18,902 \\ 7,770 \end{array}$ |
| Total ... | ... | 1,084 | 15,697 | 3,250 | 10,975 | 4,334 | 26,672 |

* Administrative, technical and clerical staff.
B.-OPERATIVES EMPLOYED IN ONE WEEK IN EACH MONTH OF 1930

| Week ended | Males and females |  |  | Week ended | Males and females |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | England and Wales | Scotland | Great Britain |  | England and Wales | Scotland | Great Britain |
| Jan. 18 | 18,436 | 704 | 19,140 | July $19 .$. | 18,433 | 716 | 19,149 |
| Feb. 15. | 18,331 | 715 | 19,046 | Aug. 16... | 18,366 | 705 | 19,071 |
| Mar. 15 ... | 18,330 | 706 | 19,036 | Sept. 13... | 18,306 | 709 | 19,015 |
| April $12 .$. | 18,181 | 717 | 18,898 | Oct. $18 .$. | 18,193 | 709 | 18,902 |
| May 17 ... | 18,307 | 717 | 19,024 | Nov. 15... | 18,299 | 693 | 18,992 |
| June 21 .. | 18,403 | 708 | 19,111 | Dec. $13 .$. | 18,171 | 677 | 18,848 |
| Average for the twelve months |  |  |  | ... ... | 18,313 | 706 | 19,019 |

Particulars of prime movers, electric generators and electrio motors

| Power equipment | $\underset{\text { Wales }}{\text { England }}$ |  | Scotland |  | Great Britain |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Ordinarily in use | $\begin{array}{\|c\|} \hline \text { In } \\ \text { reserve } \\ \text { or idle } \end{array}$ | Ordinarily in use | $\begin{array}{\|c\|} \hline \text { In } \\ \text { reserve } \\ \text { or idle } \end{array}$ | Ordinarily in use | In reserve or idle |
| Prime movers | H.P. | H.P. | H.P. | н.Р. | Н.Р. | н.Р. |
| $\begin{array}{cc}\text { Reciprocating } \\ \text { engines } & \text { steam } \\ \ldots & \ldots\end{array}$ | 4,233 | 3,195 | 277 | 110 | 4,510 | 3,305 |
| Steam turbines Internal $\ldots$ | 20,900 | 11,085 | - | - | 20,900 | 11,085 |
| Internal combustion engines :Gas $\qquad$ | 462 | 3 | 123 | - | 585 | 3 |
| Petrol, kerosene, or other light oils ... | 5 | - | - | - | 5 | - |
| Heavy oils ... Water engines | 124 3 | 620 | 二 | 二 | 124 3 | 620 |
| Total ... | 25,727 | 14,903 | 400 | 110 | 26,127 | 15,013 |
| Total of prime movers installed | 40,630 |  | 510 |  | 41,140 |  |
| Eledtric generators Driven by | Kw. | Kw. | Kw. | Kw. | Kw. | Kw. |
| Reciprocating steam engines | 1,039 | 1,729 | - | 92 | 1,039 | 1,821 |
| Steam turbines ... | 14,200 | 7,500 | - | - | 14,200 | 7,500 |
| Internal combustion engines :Gas | 22 | - | 82 | - | 104 | - |
| Petrol, kerosene, or other light oils | 3 | - | - | - | 3 | $-$ |
| Heavy oils ... | 41 | 400 | - | - | 41 | 400 |
| Total ... | 15,305 | 9,629 | 82 | 92 | 15,387 | 9,721 |
| Total of electric GENERATORS INSTALLED | 24,934 |  | 174 |  | 25,108 |  |
| Electric motors Driven by | H.P. | H.P. | H.P. | H.P. | H.P. | Н.Р. |
| Electricity generated in same works .. | 17,977 | 569 | 281 | - | 18,258 | 569 |
| Purchased electricity | 13,840 | 1,228 | 1,052 | 187 | 14,892 | 1,415 |
| Total | 31,817 | 1,797 | 1,333 | 187 | 33,150 | 1,984 |
| Total of electric MOTORS INSTALLED | 33,614 |  | 1,520 |  | 35,134 |  |

## V. Consumption of fuel



* In addition, 6,521 tons of coal (1,690 tons in England and Wales and 4,831 tons in Scotland) and 6 tons of coke (all in England and Wales) were recorded as used for power and for other purposes, not separately distinguished.


[^0]:    * Weight not stated.

[^1]:    * Owing to the possible disclosure of information relating to individual firms, separate particulars cannot be given for England and Wales and for Scotland.

