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 :—	100000		
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. cwts.	£'000
Soap				 341	432
Candles				 81	172
Perfumery, etc				 	140
Essential oils				 	82
Other goods	9			 	58
	To	TAL	99	 1	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	£'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 ove	r	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.	£
. (1930	71	8,438	4.107	8,573	479
1\\ 1924	73	8,009	3,084	8,620	358
£1930	34	14,922	6,409	13,003	493
$2 \qquad \dots \begin{cases} 1930 \\ 1924 \end{cases}$	36	17,115	6,740	14,277	472
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
1930	7	411	133	297	448
5\\ 1924	10	439	158	363	435
c \(\) \(\	31	2,426	1,195	2,448	488
$6 \qquad \dots \begin{cases} 1330 \\ 1924 \end{cases}$	34	3,488	1,340	3,237	414
9 \$ 1930	8	254	79	287	275
9\ 1924	10	476	151	439	344
10 \$1930	5	702	262	650	403
$10 \qquad \dots \begin{cases} 1930 \\ 1924 \end{cases}$	5	612	168	511	329
Tlamin (1930	174	28,969	12,862	26,789	480
TOTAL \ \ \frac{1930}{1924}	189	31,914	12,288	28,909	425

^{*} 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	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	H.P.	264	*
Electric motors driven by purchased electricity	,,	57	*

* 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
	No.	£'000	£'000	No.	£
Saan hailin \ 1930	57	20,782	8,764	18,350	478
soap boning\ 1924		24,686	9,435	20,364	463
Candles, night- lights and 1930	18	2,168 2,941	779 940	2,658 3,068	293 306
tapers Perfumery, cos-		2,341	940	3,008	300
metics and 1930	54	4,279	2,594	4,081	636
toilet requis- 1924 ites	•••	2,030	1,049	2,770	379
Other kinds of 1930	45	1,740	725	1,700	426
manufacture \(\) 1924		2,257	864	2,707	319
Тотац 5 1930	174	28,969	12,862	26,789	480
1924	189	31,914	12,288	28,909	425

Production

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

			19	30			19	24
		Returne	ed on	schedule	s for			
Kind of goods	The Soap, Candle and Perfumery Trades			To	otal			
	Quan- tity	Value	Ent- ries	Quan- tity	Value	Ent- ries	Quan- tity	Value
Soap:—	Th.	£,000	No.	Th. ewts.	£'000	No.	Th. ewts.	£'000
Soft Hard, in bars and tablets, excluding toilet, shav-	305	404	46	321	431	59	300	483
ing and abrasive Toilet (except shaving),	5,694	10,958	78	5,701	10,977	81	6,316	13,622
in bars and tablets Shaving soap, including	399	2,465	68	401	2,481	77	475	3,305
shaving cream Abrasive, hard or in powder, for polishing	22	. 414	49	22	427	57	15	219
and scouring Textile and other industrial soaps returned	375	955	23	375	957	25	577*	1,244
as such Powder and flake, other	303	471	28	313	482	32		
than abrasive Other kinds of soap	1,951 33	4,188 107	69 9	1,983 48	4,221 156	75) 26)	1,696	3,897
Total—Soap, excluding soap base	9,082	19,962	106	9,164	20,132		9,379	22,770
Soap base† Slycerine :—	255	354	6	255	354	6	210	216
Crude (made for sale) Distilled	353 74	503 183	58 7	354 100	504 242	60 8	221 253	524 923
TOTAL	(7) (M.)	21,002		•••	21,232		·	24,433

^{*} Classified as "Polishing and scouring soap":-

		r	h. ewts.	£'000
Manufacturers'	 	 	135	247
Household	 	 	442	997

† 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:—

	Th. cwts.	£'000
Soap:—		
Soft	240	330
Hard, in bars and tablets (excluding		
toilet, shaving and abrasive)		10,741
Toilet (except shaving), in bars and		,
tablets	00=	2,062
Shaving soap, including shaving cream		193
Abrasive, hard or in powder, for		199
	007	940
polishing and scouring		940
Textile and other industrial soaps,		deal - ban
returned as such	269	411
Powder and flake, other than abrasive	1,440	3,319
Other kinds of soap	17	44
1 0002		
Тотац—Ѕоар	8,237	18,040
Soap base	250	344
Glycerine:		
Crude	337	474
Distilled	74	183
	1000 TOOL 1000	
TOTAL	30000000	19,041

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 cwts. (61 entries), including 1,000 cwts. (2 entries) recorded as output on schedules for other trades. In 1924, the aggregate production of crude glycerine amounted to 447,000 cwts., including 2,000 cwts. returned on schedules for other trades, and 2,000 cwts. recorded by small firms and by firms in Northern Ireland. Exports and retained imports of crude glycerine were as follows:—

				1930	1924
			Tł	. cwts.	Th. cwts.
Exports		 	 	29	65
Retained	imports			13	9.4

The quantity of crude glycerine available for consumption in the United Kingdom was thus about 390,000 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 cwts. of glycerine in 1930, and about 68,000 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:—

	LATE AND	1930	1924		
Kind of goods	Quantity	Value	Entries	Quantity	Value
Candles, night-lights and tapers	Th. cwts. 783*	£'000 1,581*	No. 34*	Th. cwts. 918	£'000 2,103
Waxes (including paraffin wax†) refined, etc	40	118	9	127	296
Тотац		1,699			2,399

^{*} Including 400 cwts., valued at £1,000, returned on three schedules for other trades.

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

Candles, night-lights and tapers		£'000 1,237
Waxes (including paraffin wax) refined, etc	6	18
TOTAL		1,255

About three-fourths of the total production of candles, night-lights 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:—

			19	30			1924	
	O S.	Returne	ed on	schedule	s for		9.53	
Kind of goods	The Soap, Candle and Perfumery Trades		All trades			Total		
	Quan- tity	Value	Ent- ries	Quan- tity	Value	Ent- ries	Quan- tity	Value
Perfumery, cosmetics and toilet requisites	Th. lbs. 12,829	£'000 2,722 860	No. 50 25	Th. lbs. 14,560	£'000 3,106 1,068	No. 96 45	Th. lbs. 1,515	£'000 302 2,028
Perfumed spirits	Th. galls. 75	541	22	Th. galls. 86	596	42	Th. galls.	629
TOTAL		4,123			4,770		TEN. 20	2,959

^{*} Weight not stated.

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:—

Perfumery, cosme	etics and toile	et requ	isites{	Th. lbs. 11,503	£'000 2,533 784
Perfumed spirits		•••		Th. galls.	516
	TOTAL				3,833
	* Weight	not st	ated.	Silk new	100

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	1930 as a	
Kind of goods	1930	1924	percentage of 1924
the state of the s			
	s. per cwt.	s. per cwt.	Per cent.
Soap:—	20.0	atting and and	Book Williams
Soft	26.8	32.2	83.2
Hard, in bars and tablets (excluding toilet, shaving and abrasive)	38.5	49.9	00.0
Toilet (except shaving), in bars and	20.9	43.3	88.9
tablets	123.6	139.0	88.9
Shaving soap, including shaving cream	383.3	301.9	127.0
Abrasive and industrial	41.8	43.2	96.8
Other sorts, including powder and			
flake	43.1	46.0	93.7
Glycerine :—		,	
Crude	28.5	47.5	60.0
Distilled	48.7	74.0	65.8
Candles, night-lights and tapers	40.4	45.9	88.0
Paraffin wax (refined)	22.9	40.3	56.8
Other waxes (except sealing wax)	65.0	82.6	78.7
Perfumery, cosmetics and toilet requis-	s. per lb.	s. per lb.	TOP SETTE
ites	4.27	4.00	106.8
D. f. 1	£ per gall.	£ per gall.	
Perfumed spirits	6.95	7.11	97.7

[†] The production of crude paraffin wax is dealt with in the report on the Petroleum Refining Trade (pages 377-86).

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.

CHEMICAL AND ALLIED TRADES

on the second	· .T	Total production				
Kind of goods	1930	19	1924			
of the output of perfuncey, our control of the of the control of t	As returned	As returned	At 1930 average values	of of 1924		
	£'000	£'000	£'000	Per cent.		
Soap:— Soft Hard, in bars and tablets, excluding toilet, shaving and	431	483	402	107		
abrasive Toilet (except shaving), in bars	10,977	13,622	12,110	91		
and tablets Shaving soap, including shaving	2,481	3,305	2,938	. 84		
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:						
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.

Kind of goods	Produc- tion	Exports	Proportion of production exported	Retained imports	Available for use in the United Kingdom	Share of home market held by British products
Soap:- (1020)	Th. cwts.	Th. cwts.	Per cent.	Th. cwts.	Th. cwts.	Per cent.
Soft 1930	321	34	10.6	54	341	84.2
Hard, in bars 1924	355	37	10.4	2	320	99.2
and tablets,	Section.	BELL OF	Particular Date			
excluding 1930	5,701	1,101	19.3	190	4,790	96.0
toilet, shav- 1924	6,493	1,342	20.7	136	5,287	97.4
ing and abra-			75 med 1 m		的。在100mm (100mm)	
sive J Toilet (except)		HER PROPERTY.	RECUEST OF	BOWN 11	STREET, STREET,	
shaving) in 1930	401	75	18.7	46	372	87.6
bars and tab- 1924	480	66	13.8	60	474	87.3
lets						
Shaving \ \[\frac{1930}{1004} \]	22	2	9.1	6	26	76.9
Abrasive, hard	15	1	6.7	5	19	73.7
or in powder, 1930	688*	28	4.1	11	671	98.4
for polishing 1924	613	26	4.2	54	641	91.6
and scouring)	MED BALLON	DESERTED ON	to the best	entrant a	affindosil .	allo ranks
Powder and flake, other than abra-	politically of	Danieques	o alemani lä raifta es		uniosamos Simona is Imalai (ista	despiratory, to relation
sive 1930	1,983	25	1.3	19	1,977	99.0
Other kinds 1930	48	8	16.7	7	47	85.1
Other kinds, in- cluding pow-						
der and flake, > 1930	2,031	33	16.2	26	2,024	98.7
other than abrasive 1924	1,770	62	3.5	10	1,718	99.4
Total—Soap $\begin{cases} 1930 \\ 1924 \end{cases}$	9,164	1,273	13.9	333	8,224	96.0
10tal—Soap \ 1924	9,726	1,534	15.8	267	8,459	96.8
Candles might (1020	783	004	10.0	4.4.	207	00 4
Candles, night- 1930 lights and tapers 1924	1,000	96†	$\begin{array}{c c} 12 \cdot 3 \\ 17 \cdot 1 \end{array}$	4†	691	99.4
inghos and tapers (1021	Th. galls.	Secretary of the Secret	11.1		Th. galls.	00 0
Perfumed spirits \ \ \frac{1930}{1004}	86	49	57.0	23	60	61.7
1924	89	55	61.8	17	51	66.7
Glycerine:—	Th. cwts.		A CONTRACTOR OF THE PARTY OF TH	The second second second second	Th. cwts.	06 7
Crude $\begin{cases} 1930 \\ 1924 \end{cases}$	406	29 65	7.1	13	390	96.7
71030	100	100	14.5	16	The state of the s	j4.1
Distilled \ \ \frac{1924}{1924}	253	176	69.6	1	78	98.4

^{*} Including textile and other industrial soaps returned as such.

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

[†] Described in the trade returns as "Candles" only.

[‡] 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 available for insertion here.

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.

the second of the second of		1930	1924
D 6		£'000	£'000
Perfumery, cosmetics and toilet requisite	es :—		
Production (at factory)	***	4,174	2,471
Exports (f.o.b.)		925	735
Retained imports (c.i.f.)		901	626

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.

Wind of mode	1930	1924
Kind of goods	Value	Value
	£'000	£'000
Animal oils, fats and greases	371	490
Other oils, including lubricating oil and oil seed cake and		
meal	910	1,953
Chemical compounds (including soda compounds, disinfec-		W. A. S. S. S. S.
tants and chemists' sundries)	605	521
Washing and scouring materials other than soap	94	91
Other goods made	166	203
1.200	1000	AND ASSESSED
Тотат,	2.146	3,258

Employment and Wages

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

Downey and band	Males		Females		Total	
Persons employed	Under 18	All ages	Under 18	All	Under 18	All
1930 Operatives (average for the year) Administrative, technical and clerical staff (as at 18th	835	10,673	2,785	8,346	3,620	19,019
October)	254	5,090	482	2,680	736	7,770
TOTAL	1,089	15,763	3,267	11,026	4,356	26,789
1924 Operatives (average for the year) Administrative, technical and clerical staff (as at 18th	1,505	11,856	3,248	9,727	4,753	21,583
October)	338	4,924	313	2,402	651	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:—

D	The Tro	1930			1924	
Power equipment	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.	н.Р.
Reciprocating steam engines Steam turbines Internal combustion engines :—	4,510 20,900	3,305 11,085	7,815 31,985	12,697 4,016	2,543 2,000	15,240 6,016
Gas	585	3	588	1,135	352	1,487
Petrol, kerosene, or other light oils Heavy oils Water engines	5 124 3	620 —	5 744 3	1,265 92 20	5 —	1,270 92 20
TOTAL	26,127	15,013	41,140	19,225	4,900	24,125
ELECTRIC GENERATORS Driven by Reciprocating steam	Kw.	Kw.	Kw.	Kw.	Kw.	Kw.
engines Steam turbines Internal combustion	1,039 14,200	1,821 7,500	2,860 21,700	869 3, 000	2,956 1,500	3,825 4,500
engines:— Gas Petrol, kerosene, or other light	104	<u>-</u>	104	402	232	634
oils Heavy oils	3 41	400	3 441	_ 3	_	_ 3
TOTAL	15,387	9,721	25,108	4,274	4,688	8,962
ELECTRIC MOTORS Driven by Electricity generated	H.P.	н.р.	H.P.	H.P.	H.P.	H.P.
in same works Electricity generated in other works under same owner-	18,258	569	18,827	6,839	1,304	8,143
ship Purchased electricity	14,892	1,415	16,307	3,000 9,146	675	3,000 9,821
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:—

	And the second		
Kind of fuel used	For power (driving engines)	For other purposes (so far as recorded)	For power and other purposes, not separately distinguished
0.1.	Tons 74,597 3,143	Tons 283,280* 8,017*	Tons 6,521 6
Company Company	NOTE OF THE PARTY OF		B.T.U. (Kwhrs.) '000
Electricity used for all purposes Generated in same works Purchased	TH. T 500	anaona 	21,499 9,102
To	OTAL—Electricity	- Feliabet	30,601

^{*} 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
in the second se	7.00		Market State of the State of th	ARROW, Spanish
Value of goods made (Gross output)	£'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:—		0.2 040		
Prime movers	H.P.	40,630	510	41,140
Electric motors driven by purchased				
electricity	,,	15,068	1,239	16,307
			1000	

II. Production

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

England and V	Vales	10 B	all lands		Cwts. 391,185
Scotland				 	14,168
Great Britain					405,353

B.—OUTPUT SOLD OR ADDED TO STOCK

Kind of goods made	Unit	England and Wales	Scotland	Great Britain
Soap:—	takken t	adadyel\)	on months	restant (D
Soft	Th. cwts.	229	76	305
	£'000	295	109	404
Hard, in bars and tablets, excluding	Th. cwts.	5,459	235	5,694
toilet, shaving and abrasive	£'000	10,538	420	10,958
Toilet (except shaving), in bars and	Th. cwts.	*	*	399
tablets	£'000	*	*	2,465
Shaving soap, including shaving	Th. cwts.	* * * * * * * * * * * * * * * * * * * *	*	22
cream	£'000	*	*	414
Abrasive, hard or in powder, for	Th. cwts.	*	*	375
polishing and scouring	£'000	*	*	955
Textile and other industrial soaps,	Th. cwts.	*	*	303
returned as such	£'000	*	*	471
Powder and flake, other than abra-	Th. cwts.	1.829	122	1,951
sive	£'000	3,949	239	4,188
Other him de of some	Th. cwts.	33	+	33
Other kinds of soap	£'000	107	1	107
madicinal and Wester and Par Scottlening.	SELVE LANGERS	and desired	+	Constitution of the second
Tom: - G (111: 1	Th. cwts.	8,594	488	9.082
Total—Soap of all kinds {	£'000	19,072	890	19,962

Kind of goods made	Unit	England and Wales	Scotland	Great Britain
Soap base	{ Th. cwts. £'000	*	*	255 354
Glycerine:	TO THE RESERVE OF		San artist	
Crude (made for sale)	{ Th. cwts. £'000	*	*	353 503
Distilled	{ Th. cwts. £'000	*	*	74 183
Candles, night lights and tapers	{ Th. cwts. £'000	*	*	783 1,580
Waxes (including paraffin wax) refined, etc	{ Th. cwts. £'000	40 118		40 118
Perfumery, cosmetics and toilet requisites (other than perfumed spirits, essential oils and soaps)	{ Th. lbs. £'000 £'000	12,829 2,722 860		12,829 2,722 860
Perfumed spirits	{ Th. galls. £'000	75 541		75 541
Animal oils, fats and greases	£'000	345	26	371
Other oils, including lubricating oils and oil seed cake and meal		910	en to beid	910
Chemical compounds (including sodal compounds, disinfectants and chemists' sundries)		605	-	605
Washing and scouring materials, other than soap	£'000	92	2	94
Other goods made	£'000	157	9	166
TOTAL VALUE OF GOODS MADE (GROSS OUTPUT)	£'000	28,013	956	28,969

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

III. Employment

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

Demonstrated in the second	M	ales	Fen	nales	Males and females	
Persons employed	Under 18	All	Under 18	All ages	Under 18	All
England and Wales:—	01.		0.077	0.050	0.474	10.100
Operatives	745	10,143	2,671	8,050	3,416	18,193
Administrative, etc.*	246	4,915	475	2,624	721	7,539
TOTAL	991	15,058	3,146	10,674	4,137	25,732
Scotland:—						ROMAN.
Operatives	85	464	97	245	182	709
Administrative, etc.*	8	175	7	56	15	231
TOTAL	93	639	104	301	197	940
Great Britain:—						
Operatives	830	10,607	2,768	8,295	3,598	18,902
Administrative, etc.*	254	5,090	482	2,680	736	7,770
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	Males and females			W 1	Males and females		
ended	England and Wales	Scotland	Great Britain	Week ended	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
Averagi	FOR THE	TWELVE I	MONTHS		18,313	706	19,019

[†] Less than 500 cwts.

[‡] Less than £500.

IV. Power

Particulars of prime movers, electric generators and electric motors

MOTORS							
	England and Wales		Scotland		Great Britain		
Power equipment	Ordinarily in use	In reserve or idle	Ordinarily in use	In reserve or idle	Ordinarily in use	In reserve or idle	
PRIME MOVERS	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	
Reciprocating steam engines Steam turbines Internal combustion	4,233 20,900	3,195 11,085	277	110	4,510 20,900	3,305 11,085	
engines:— Gas Petrol, kerosene, or	462	3	123	<u></u>	585	3	
other light oils Heavy oils Water engines	5 124 3	620 —		=	5 124 3	620 —	
TOTAL	25,727	14,903	400	110	26,127	15,013	
TOTAL OF PRIME MOVERS INSTALLED	40,630		510		41,140		
ELECTRIC GENERATORS Driven by	Kw.	Kw.	Kw.	Kw.	Kw.	Kw.	
Reciprocating steam engines Steam turbines Internal combustion	1,039 14,200	1,729 7,500	61.0 <u>TB</u> 8104	92	1,039 14,200	1,821 7,500	
engines :— Gas Petrol, kerosene, or	22		82	_	104	-	
other light oils Heavy oils	3 41	400	เอโลน	ATTEN E	3 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.	H.P.	
Electricity generated in same works Purchased electricity	17,977 13,840	569 1,228	281 1,052	187	18,258 14,892	569 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

Kind of fuel used	England and Wales	Scotland	Great Britain
Coal used for power*	Tons 71,542 3,143	Tons 3,055	Tons 74,597 3,143
	B.T.U. (Kwhrs.)	B.T.U. (Kwhrs.) '000	B.T.U. (Kwhrs.)
Electricity used for all purposes:— Generated in same works Purchased	21,385 8,645	114 457	21,499 9,102
Total—Electricity	30,030	571	30,601

^{*} 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.