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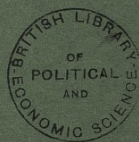
BOARD OF TRADE

FINAL REPORT
on the
CENSUS OF PRODUCTION
FOR 1948

Volume 2

Trade J

SOAP, CANDLES, AND GLYCERINE



*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

1952

THREE SHILLINGS NET

In interpreting the data in the following tables, it is essential to bear in mind not only the qualifications mentioned in this report but also the general explanations and qualifications contained in the separate booklet published in this series by H.M. Stationery Office entitled "Final Reports of the Census of Production for 1948: Introductory Notes", price 2s Od. NET

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* Not applicable to this trade

SOAP, CANDLES AND GLYCERINE TRADE

THIS REPORT on the Soap, Candles and Glycerine Trade relates to establishments engaged wholly or mainly in the manufacture of soaps, soap powder, soap flakes, shaving soap or cream, soap substitutes, soapless detergents, fatty alcohols (from sperm oil), stearine, glycerine, candles, night lights and tapers, and in fat splitting and distillation.

This trade corresponds to minimum list heading 35 (1) in the Standard Industrial Classification.

Establishments in this trade in Northern Ireland (which are excluded in 1948) accounted in 1935 for less than 1 per cent. of the net output for the United Kingdom.

CHEMICALS AND ALLIED TRADES
SOAP, CANDLES AND GLYCERINE TRADE

Summary

Larger establishments

TABLE 1

	1948 (a)	1937 (b)	1935 (b)
	£'000	£'000	£'000
Gross output (production)	55,585	23,122	20,539
Cost of materials and fuel used	40,726	13,483	10,963
Payment for work done on materials given out	214	50	5
Net output	14,645	9,589	9,571
Wages and salaries of persons employed	6,559	..	..
Average number of persons employed (c)	No. 20,854(d)	No. 22,920	No. 23,162
Net output per person employed (c)	£ 702	£ 418	£ 413
Stocks at end of year	£'000	£'000	£'000
Finished products and work in progress	3,891	..	..
Materials and fuel	6,265	..	..
Number of establishments	No. 160	No. ..	No. 160

- (a) Great Britain only.
(b) United Kingdom.
(c) Excluding outworkers.
(d) For an estimate of the total number of persons employed in this trade see Table 3.

The values of gross output and of materials and fuel used are derived in the following way:-

	1948	1937	1935
	£'000	£'000	£'000
Output of firms in this trade			
Total value of sales (1948) or production (1937 and 1935)			
Principal products (see Table 8)	50,931	21,494	19,088
Other output (see Table 10)	5,079	1,628	1,451
Adjustment for changes in stocks and work in progress (see Table 14)	+ 482		
Less payment for transport by other firms	56,493 908	23,122	20,539
Gross output (production)	55,585	23,122	20,539
Materials and fuel used by firms in this trade			
Purchases (see Table 13)	40,207	13,483	10,963
Adjustment for changes in stocks (see Table 14)	+ 519		
Materials and fuel used	40,726	13,483	10,963

SOAP, CANDLES AND GLYCERINE

2/J/3

Summary, 1948

Small firms in Great Britain

TABLE 2

Number of returns	169
Average number of persons employed (a)	
Males	598
Females	347
Total	945

(a) Including working proprietors.

Estimated average employment, 1948

All firms in Great Britain

TABLE 3

As returned by firms	
Employing on average more than ten persons (a)	20,854
Employing on average ten persons or less (b)	945
Estimated average employment in firms not making satisfactory returns	21,799
Estimated average employment in all firms	325
	22,124

(a) See Tables 1 and 15.

(b) See Table 2.

Analysis by size, 1948

Larger establishments in Great Britain

TABLE 4

Average number employed	Establishments	Gross Output	Net output	Persons employed	Remuneration			Net output per person employed
					Wages	Salaries	Total	
	No.	£'000	£'000	No.	£'000	£'000	£'000	£
11-24	45	1,914	552	774	118	117	235	713
25-49	51	4,245	1,262	1,664	268	214	482	758
50-99	38	6,570	2,149	2,784	437	391	828	772
100-199	8	3,336	870	1,260	234	161	394	690
200-499	7	5,464	1,217	2,467	432	229	661	493
500-749	6	11,306	3,622	3,774	708	715	1,423	960
750 and over	5	22,750	4,973	8,131	1,696	839	2,536	612
Total	160	55,585	14,645	20,854	3,893	2,666	6,559	702

Analysis by standard region, 1948
Larger establishments in Great Britain

TABLE 5

Region	Establishments	Gross output	Net output		Persons employed	Remuneration			Net output per person employed
			Value	Percentage of total		Wages	Salaries	Total	
	No.	£'000	£'000		No.	£'000	£'000	£'000	£
England and Wales									
North Midland	9	1,663	390	2.7	650	104	80	184	
London and South Eastern	36	7,082	1,950	13.3	3,135	542	416	958	
South Western	6	1,417	356	2.4	704	124	61	185	
North Western	42	31,112	7,972	54.4	11,353	2,254	1,402	3,656	
Midland; and Wales	11	714	259	1.8	406	52	56	108	
Northern; and East and West Ridings of Yorkshire	35	9,147	2,319	15.8	2,801	514	379	893	
Eastern; and Southern	4	2,439	834	5.7	785	131	182	312	
Total England and Wales	143	53,575	14,080	96.1	19,834	3,722	2,575	6,298	
Scotland	17	2,009	565	3.9	1,020	170	91	261	
Great Britain	160	55,585	14,645	100.0	20,854	3,893	2,666	6,559	

Analysis according to specialisation within the trade, 1948
Larger establishments in Great Britain

TABLE 6

	Establishments	Gross output	Sales of characteristic products	Net output	Persons employed	Remuneration			Net output per person employed
						Wages	Salaries	Total	
	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Specialist producers of									
Soap	91	46,557	36,745	11,873	16,790	3,103	2,216	5,319	707
Candles, night lights and tapers	14	2,112	1,854	697	1,145	206	109	315	609
Remainder of the trade	55	6,916		2,074	2,919	583	341	924	711
Total	160	55,585		14,645	20,854	3,893	2,666	6,559	702

Total make of intermediate products
Larger establishments

TABLE 7

	Returned in this trade				Returned in all trades		
	1948 (a)		1937 (b)	1935 (b)	1948 (a)		1935 (b)
	Quantity	Entries	Quantity	Quantity	Quantity	Entries	Quantity
	Th. cwts.	No.	Th. cwts.	Th. cwts.	Th. cwts.	No.	Th. cwts.
Glycerine							
Crude (on the basis of 80 per cent. glycerol)	436	51	569	481	436	51	482
Distilled (on the basis of 98 per cent. glycerol)	..	(c)			333	..	
Oleine and oleic acid	..	(c)			315	10	
Stearine (stearic acid)	251	11	..	..	251	11	..
Oils, other than acid oils and essential oils	9	5			9	5	

(a) Great Britain only.

(b) United Kingdom.

(c) Owing to the risk of disclosure of information relating to individual firms, separate particulars cannot be given.

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

Larger establishments

TABLE 8

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000
Glycerine							
Crude (on the basis of 80 per cent. glycerol)	372	1,408	49	423	1,178	370	569
Distilled (on the basis of 98 per cent. glycerol)	61	406	..	143	492	125	288
Oleine and oleic acid	325	1,431	15	289	434	247	315(c)
Stearine (stearic acid)	259	1,491	15	225	361	206	306
Other fatty acids (d)	191	1,161	15				
Fatty alcohols (other than sulphonated) from sperm oil (c)	11	202	..	..	(e)	..	(e)
Oils, other than acid oils and essential oils	..	30	7				
Soap base and soap sold to other soap or toilet preparation manufacturers for further processing	236	1,138	27	233	325	331	356
Soap for household and domestic purposes, including Government and Municipal contracts							
Soft	131	430	42	275	316	288	306
Hard, in bars or tablets, excluding abrasive, toilet and shaving	2,911	12,409	70	4,642	6,769	4,840	6,544
Abrasive, hard or in powder, for polishing or scouring	1,251	1,989	30	510	499	456	378
Toilet soap (except shaving)							
Solid	896	7,219	57				
Liquid	5 ..	15 62	27	702	2,729	657	2,473
Shaving soap, solid, cream or powder, including brushless shaving cream (f)	60	1,351	56	36	501	32	453
Powder and dry soap, other than abrasive, shampoos or for shaving (f)	2,304	8,964	53	2,212	3,954	1,971	3,439
Flakes and chips	255	1,671	41	836	1,897	671	1,550
Liquid soap (except toilet soap and shampoos)	35 ..	61 119	37	39 ..	39 (g) 18	24	38 (c) (g)

TABLE 8 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000
Soap for household and domestic purposes, including Government and Municipal contracts (contd.)							
Soap shampoos							
Solid or powder	11	355	21	..	(e)	..	(e)
Liquid	2 ..	7 2	9				
Other sorts	4 ..	19 9	5	6	21	5	14
Unclassified	15 ..	78 48	22	21	32	12	13
Total soap for household and domestic purposes, including Government and Municipal contracts	7,880 ..	34,567 240	..	9,279 ..	16,757 18	8,956	15,208
Soap for industrial purposes (including laundries)							
Soft	98	272	45	112	115	87	84
Hard, in bars or tablets, excluding abrasive	392	1,658	59	511	561	525	534
Abrasive, hard or in powder, for polishing or scouring	59 ..	83 92	18	18	17	3	3
Powder and dry soap, other than abrasive	209	647	48	244	306	167	202
Flakes and chips	216	1,139	39	226	324	178	254
Liquid soap	20 ..	45 10	32 6	16	23	15	23(c)
Other sorts	31 ..	106 19	12	42	48	31	36
Unclassified	2 ..	8 5	19	14	15	15	15
Total soap for industrial purposes (including laundries)	1,027 ..	3,959 127	..	1,183	1,409	1,021	1,151

TABLE 8 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000
Washing materials, soapless detergents (except shampoos) and scouring materials, other than soap							
Powder (excluding abrasive)	1,049	3,435	59	311	302	305	236
Abrasive (powder or hard)	224	412	28	146	133	137	125
Other sorts	440 ..	1,407 414	91	210 ..	201 57	185 ..	181 74
Unclassified	120 ..	245 161		30	-	-	-
Total washing materials, soapless detergents (except shampoos) and scouring materials, other than soap	1,833 ..	5,498 575	..	667 ..	636 57	627 ..	542 74
Candles and night lights	386	2,270	19	605	889	723	1,169
Tapers	6	53	9	7	29	7	31
Waste products	..	57	21	..	2	..	1
Glycerine distilled on commission (h)		123	..		53		55
Other work done for the trade or on commission (h)		225	34		45		
Total		54,960	..		22,885		20,065
Less sales (or production) in other trades (see Table 9)		4,028	..		1,191		977
Total principal products of this trade sold or made by establishments in the trade		50,931	154		21,494		19,088

(a) Great Britain only.

(b) United Kingdom.

(c) So far as recorded separately.

(d) May include some acid oils.

(e) Not recorded separately.

(f) Shaving soap in powder form was not specifically included with shaving soap and cream in 1937 and 1935, or excluded from powder and dry soap.

(g) Not specified as excluding toilet soap and shampoos.

(h) Amount charged in 1948 and amount received in 1937 and 1935.

Sales (or production) of principal products of the trade by establishments classified to other trades

Larger establishments

TABLE 9

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000
Glycerine							
Crude (on the basis of 80 per cent. glycerol)	3	15	..	4	12	1	2
Distilled (on the basis of 98 per cent. glycerol)	-	-	-	31	95	40	90
Oleine and oleic acid	12	49	5	1	2	-	-
Stearine (stearic acid)	8	46	..	25	36	23	37
Other fatty acids, fatty alcohols (other than sulphonated) from sperm oil, and oils (other than acid oils and essential oils)	..	92	11	..	(c)	..	(c)
Soap for household and domestic purposes, including Government and Municipal contracts							
Soft	9	33	12	15	21	28	33
Hard, in bars or tablets (excluding toilet and shaving) and abrasive, hard or in powder, for polishing or scouring	8	36	7	11	22	11	12
Toilet soap (except shaving)							
Solid	70	886	16	99	490	79	359
Liquid	2 ..	6 4	13				
Shaving soap, solid, cream or powder, including brushless shaving cream (d)	11	358	32	15	253	14	228
Powder and dry soap, other than abrasive, shampoos or for shaving (d)	13	58	..	7	9	20	15
Soap shampoos	4 ..	136 2	22	..	(d)	..	(d)
Other sorts, including flakes and chips and liquid soap (except toilet soap and shampoos)	1 ..	5 50	19	7 ..	7 13	11	18
Unclassified	15 ..	78 48	22	15	18	12	13
Total soap for household and domestic purposes, including Government and Municipal contracts	133 ..	1,595 104	..	169 ..	820 13	175	678

TABLE 9 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000
Soap for industrial purposes (including laundries)							
Powder and dry soap, other than abrasives	-	-	-	85	97	47	56
Flakes and chips	-	-	-	1	1	-	-
Other sorts	2 ..	10 122	..	44	49	28	24
Unclassified	2 ..	8 5	..	14	15	15	15
Total soap for industrial purposes (including laundries)	4 ..	18 127	..	144	162	90	95
Washing materials, soapless detergents (except shampoos) and scouring materials, other than soap							
Powder (excluding abrasive)	109	434	13	6	8	18	13
Abrasive (powder or hard)	143	261	13	27	26	32	30
Other sorts	207 ..	663 101	44	3 ..	5 3	5 ..	9 8
Unclassified	120 ..	245 155	29	-	-	-	-
Total washing materials, soapless detergents (except shampoos) and scouring materials, other than soap	579 ..	1,603 256	..	36 ..	39 3	55 ..	52 8
Soap base and soap sold to other soap or toilet preparation manufacturers for further processing; and candles, night lights and tapers	19	115	6	4	9	10	15
Work done for the trade or on commission (other than glycerine distilled on commission) (e)		7	..		-		-
Total		4,028	..		1,191		977

- (a) Great Britain only.
(b) United Kingdom.
(c) Not recorded separately.
(d) Shaving soap in powder form was not specifically included with shaving soap and cream in 1937 and 1935 or excluded from powder and dry soap.
(e) Amount charged.

Sales (or production) in the trade of other
than principal products

Larger establishments

TABLE 10

	1948 (a) Sales		1937 (b) Production		1935 (b) Production	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. galls.	£,000	Th. galls.	£'000	Th. galls.	£'000
Lubricating oils and greases	..	120	..	36	..	38
Disinfectants, antiseptics, sheep and cattle dips, insecticides, weed-killers, fertilisers, etc.	..	249	..	8	..	11
Other chemical manufactures	..	1,195	..	670	..	603
Perfumed spirits	18	83	43	51	58	57
Cosmetics and toilet preparations						
Hair preparations	..	941	..	257	..	109
Other cosmetics and toilet preparations	..	380	..	264	..	185
Dental preparations	..	1,109	..	28	..	63
Polishes (floor, furniture, metal, etc.)	..	102	..	48	..	55
Other goods	..	295	..	259	..	262
Electricity sold	-	-	2,033	6	32,945	68
Work done (c)		603		1		-
Total		5,079		1,628		1,451

- (a) Great Britain only.
(b) United Kingdom.
(c) Amount charged in 1948 and amount received in 1937 and 1935.

Analysis of sales, 1948

Larger establishments in Great Britain

TABLE 11

	Sales	Percentage of total sales
	£'000	
Sales (or transfers) to other organisations under the same control		
Productive works	929	1.7
Export sales organisations (including branches abroad)	2,096	3.8
Other wholesale or selling organisations	19,604	35.6
Retail shops, etc.	227	0.4
Total sales (or transfers) to other organisations under the same control	22,857	41.5
Sales to independent buyers		
Exports invoiced directly overseas	978	1.8
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad	319	0.6
Other sales to independent buyers		
His Majesty's Government and Local Authorities (other than productive establishments)	505	0.9
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	6,872	12.5
Wholesalers, merchants and other agents for resale	6,871(a)	12.5
Retailers, including multiple shops, caterers and N.A.A.F.I., for resale	12,892	23.4
Other businesses (including farmers) and institutions of all kinds	1,302	2.4
Members of the public, including employees	143	0.3
Unclassified	2,328	4.2
Total sales to independent buyers	32,210	58.5
Total	55,067	100.0

(a) Of this total £6,298,000 was recorded as divided between £187,000 for export and £6,111,000 for other sales.

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

TABLE 12

		Production (b) (c)	Exports	Retained Imports
		Th. cwts.	Th. cwts.	Th. cwts.
Glycerine				
Crude	{1948 1937	436 (d) 573 (d) (e)	4 37	2 62
Distilled	{1948 1937	333 (d) ..	31 106	- -
Oleine and oleic acid	{1948 1937	315(d) 289	7 32	- 26
Stearine (stearic acid)	{1948 1937	251(d) 225	10 67	- 83
Soap				
Soft	{1948 1937	229 387	5 19	2 10
Hard, in bars or tablets, excluding abrasive, toilet and shaving	{1948 1937	3,302 5,153	381 665	- 27
Abrasive, hard or in powder, for polishing or scouring	{1948 1937	1,376(f) 528	8 38	- 5
Toilet, solid and liquid (except shaving) (g)	{1948 1937	924(f) 702	116 74	- 101
Shaving soap, solid, cream or powder, including brushless shaving cream (h)	{1948 1937	60 36	6 3	- 2
Powder and dry soap, other than abrasive, shampoos or for shaving (i)	{1948 1937	2,513 2,456	28 13	- 2
Flakes and chips	{1948 1937	472 1,062	9 8	- -
Other sorts (including soap shampoos and liquid soap, other than toilet)	{1948 1937	183(f) 121(f)	6 8	- 1
Total soap	{1948 1937	9,086(f) (j) 10,480(f) (j)	560 828	3 148
Candles, night lights and tapers	{1948 1937	392 612	2 57	- 2

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

(b) Sales in 1948 and production for sale in 1937, except where otherwise noted.

(c) Including sales (or production) by establishments classified to other trades.

(d) Production for sale or for further manufacturing purposes in the same works.

(e) Including 4,000 cwts. returned in other trades.

(f) Partly estimated.

(g) Described as "Toilet (except shaving)" in 1937.

(h) Described as "Shaving soap and cream" in 1937.

(i) Not specified as excluding shampoos or shaving soap in 1937.

(j) Including unclassified output.

Purchased materials and fuel

Larger establishments

TABLE 13

	1948(a)		1937(b)		1935(b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Materials						
Paraffin wax	367.4	1,169	569.7	437(c)	684.5	530(c)
Tallow	473.9	2,149	1,030.6	1,276	978.1	1,118
Stearine and stearic acid	37.8	246	36.9	63	33.6	53
Hydrogenated whale oil	10.0	119	785.8	803	764.4	585
Other hydrogenated fats	32.7	180	207.5	222	135.7	118
Solid fats	559.7	2,479	3,190.4	3,751	2,532.2	2,127
Liquid fats (fatty oils)	254.6	1,250	838.8	979	1,285.3	1,128
Caustic soda (on the basis of 76°E)	952.9	619	827.1	343	772.9	350
Resin	99.9	292	395.0	336	..	(d)
Packing materials	..	5,392	..	2,264	..	(d)
Beeswax	4.1	73				
Carnauba wax	0.3	8				
Candelilla wax	-	1				
Other descriptions of wax	8.7	44				
Stearates of magnesium, zinc and other inorganic bases	1.2	1				
Oleine and oleic acid	22.7	126				
Fatty alcohols (including sulphonated fatty acids and ester salts)	172.9	567	..	(d)	..	(d)
Vegetable oils						
Castor	6.7	56				
Coconut	78.2	391				
Other descriptions	3,456.0	17,428				
Mineral oils (other than for fuel)	Th. galls.					
	578.9	60				
	..	36				
Aliphatic alcohols, esters and ketones	24.3	8				

DS 23112/1

TABLE 13 (contd.)

	1946(a)		1937(b)		1935(b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. lbs.	£'000	Th. lbs.	£'000	Th. lbs.	£'000
Materials (contd.)						
Essential oils						
Natural	558.1	392				
Synthetic	141.2	108				
Floral concretes	40.3	42				
Other aromatics	210.5	172				
Dyes and dyestuffs	Th. cwts.					
	1.3	54				
Caustic potash	33.8	54				
Sodium carbonate (on the basis of 58°)	1,757.4	500				
Zinc oxide	2.7	11				
Glycerine			..	2,517	..	4,585(c)
Crude (on the basis of 80 per cent. glycerol)	10.1	36				
Distilled (on the basis of 98 per cent. glycerol)	13.9	78				
Soap purchased for further processing	47.9	221				
Soap base	96.6	480				
Kaolin	4.0	2				
Titanium oxide	0.3	2				
All other purchased materials	..	3,787				
Unclassified materials	..	558	-	-	-	-
Fuel and electricity	Th. tons		Th. tons		Th. tons	
Coal	256.5	702	371.7	354	388.5	308
Coke	9.4	33	..	(d)	7.5	8

DS 23112/1

TABLE 13 (contd.)

	1948(a)		1937(b)		1935(b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. B.T.U. (kW. hrs.)	£'000	Th. B.T.U. (kW. hrs.)	£'000	Th. B.T.U. (kW. hrs.)	£'000
Fuel and electricity (contd.)						
Electricity purchased and electricity obtained from other works under the same ownership (f)	36,125	152	26,815	83	13,540	46
Motor spirit (petrol) and deriv. fuel	Th. galls.				Th. galls.	
Used for road vehicles	445	43				
Used for other power purposes	3	-	..	(d)	..	(d)
Other oil fuel (including creosote/pitch mixtures)	783 ..	28 21	..	(d)	432	7(g)
Gas purchased and gas obtained from other works under the same ownership	Th. therms 666 ..	22 3	..	55	..	(d)
All other purchased fuel	..	12				
Total		40,207		13,483		10,963

- (a) Great Britain only.
 (b) United Kingdom.
 (c) Described as "Paraffin wax and paraffin scale".
 (d) Not recorded separately.
 (e) Including fuel not specified separately.
 (f) The total quantity of electricity consumed in 1948 was 33,804,000 B.T. units including 2,680,000 generated in the same works.
 (g) Described as "Heavy fuel oil".

Stocks of finished products and work in progress and stocks of materials and fuel, 1948

Larger establishments in Great Britain

TABLE 14

	At beginning of year		At end of year	
	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	Th. cwts.	£'000
Finished products				
Soap for household, domestic and industrial purposes (excluding abrasive, toilet, shaving and shampoos)				
Hard	165	569	182	652
Powder and dry soap	61	184	76	239
Flakes and chips	28	127	33	162
Toilet soap, solid (except shaving)	50	279	51	291
Other finished products	..	566	..	873
Work in progress		1,685		1,875
Total finished products and work in progress		3,409		3,891
Materials and fuel				
Tallow	92.1	416	91.2	427
Solid fats	71.6	291	60.2	250
Liquid fats (fatty oils)	42.4	191	43.6	193
Other descriptions of materials and fuel	..	5,516	..	5,048
Unclassified	..	370	..	347
Total materials and fuel		6,784		6,265

CHEMICALS AND ALLIED TRADES
Employment and remuneration (a)
Larger establishments

TABLE 15

	Average number of operatives			Administrative, technical and clerical employees (b)			Total		
	1948(c)	1937(d)	1935(d)	1948(c)	1937(d)	1935(d)	1948(c)	1937(d)	1935(d)
Males									
Under 18	459	723	786	104	185	147	563	908	933
All ages	9,004	9,643	9,737	3,718	4,016	4,592	12,722	13,659	14,329
Females									
Under 18	1,104	2,816	2,324	320	387	263	1,424	3,203	2,587
All ages	5,939	6,860	6,550	2,181	2,401	2,283	8,120	9,261	8,833
Total									
Under 18	1,563	3,539	3,110	424	572	410	1,987	4,111	3,520
All ages	14,943	16,503	16,287	5,899(e)	6,417	6,875	20,842 (e) (f) (g)	22,920	23,162
Total remuneration	£'000			£'000			£'000		
	3,893	..	..	2,666	..	..	6,559	..	..

(a) Excluded employees. The following numbers were employed at establishments in this trade but are not included in the table or in any other report (e.g., employees in a separate selling or transport organisation for which separate accounts are kept):-

Canteen workers	32 males	347 females
Other workers	147 males	92 females

(b) Number at September 25, 1948, October 16, 1937, and October 12, 1935.

(c) Great Britain only.

(d) United Kingdom.

(e) There were, in addition, 12 male working proprietors in 1948. Working proprietors are included in the 1937 and 1935 figures.

(f) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £158,000.

(g) The following persons (included in this total) were employed on special work by establishments employing 100 or more persons:-

	Operatives	Administrative, technical and clerical employees
Transport of goods outside the premises	193	
Maintenance and repair of firms' buildings, but not plant	172	
Research work not directly connected with current production however charged	*	*

* Owing to the risk of disclosure of information relating to individual firms these figures cannot be given.

In addition to the employees in the above table the firms in this trade employed 28 female outworkers in 1948, the amount paid to them being £2,000. Similar information is not available for 1937 and 1935.

Wages and salaries paid, 1948 (a)
Larger establishments in Great Britain

TABLE 16

	Amount paid by all establishments	Establishments making returns for the calendar year							
		Amount paid	Percentage of annual remuneration paid in						
			First quarter	Second quarter	Third quarter	Fourth quarter	Year		
Wages and salaries of	£'000	£'000							
Operatives	3,893	2,961	24.1	24.7	24.0	27.2	100.0		
Administrative, technical and clerical employees	2,666	1,868	25.6	23.9	25.0	25.6	100.0		
Total	6,559	4,829	24.7	24.4	24.4	26.6	100.0		

(a) Including bonus and commission payments.

TABLE 17 - Payments for work done on materials given out, 1948

Larger establishments in Great Britain

The Total amount paid for work done on materials given out was £214,000.

Payments for certain services, 1948
Larger establishments in Great Britain

TABLE 18

	Amount paid
	£'000
Repair and maintenance	
Of buildings	46
Of plant, machinery and vehicles	114
Unclassified	232
Hire of plant, machinery and vehicles	18
Advertising and market research	
Advertising in newspapers, magazines and periodicals	280
Other advertising services (poster display, despatch of circulars etc.) and market research	65
Unclassified	748
Payments made for research work	
To research associations	17
To universities, institutions, academic bodies and similar agencies	-
To other commercial concerns	7
Postage, telephone, telegrams and cables	96
Commercial insurance premiums	115
Rates (excluding water rates) payable in the year	53

Plant, machinery and vehicles acquired and disposed of, 1948
Larger establishments in Great Britain

TABLE 19

	Acquisitions		Disposals
	New	Second-hand	
	£'000	£'000	£'000
Plant and machinery	883	28	40
Vehicles	109	25	26
Total	991	53	66

Capital expenditure on building work and changes in
occupation of buildings and land, 1948

Larger establishments in Great Britain

TABLE 20

	£'000	£'000
1. Capital expenditure on building work (a)		179
2. Existing buildings and land (b)		
(i) Capital cost of freeholds bought	41	
Estimated capital value of		
(ii) Rented property newly occupied in the year (c)	21	
(iii) Leasehold buildings and land newly occupied in the year	9	
Total of heading 2		72
Total of headings 1 and 2		250
3. Existing buildings and land relinquished (d)		
(i) Selling value of freeholds sold	1	
(ii) Estimated value of other properties relinquished	7	
Total of heading 3		9
4. Headings 1 and 2 less heading 3		241

- (a) Excluding site value which, where appropriate, is included in heading 2(1).
 (b) The figures do not reflect changes in ownership of previously occupied land and buildings.
 (c) Property which is occupied under an agreement for the payment of rent without the purchase of a lease or the payment of a premium.
 (d) Including property destroyed or abandoned.

SOAP, CANDLES AND GLYCERINE TRADE

1948

Summary

Larger establishments

TABLE 21

	England and Wales (a)	Scotland	Great Britain
	£'000	£'000	£'000
Gross output (production)	53,575	2,009	55,585
Cost of materials and fuel used	39,283	1,443	40,726
Payment for work done on materials given out	213	1	214
Net output	14,080	565	14,645
Wages and salaries of persons employed	6,298	261	6,559
Average number of persons employed (b)	No. 19,834	No. 1,020	No. 20,854
Net output per person employed (b)	£ 710	£ 554	£ 702
Stocks at end of year	£'000	£'000	£'000
Finished products and work in progress	3,709	182	3,891
Materials and fuel	5,945	320	6,265
Number of establishments	No. 143	No. 17	No. 160

(a) Owing to the risk of disclosure of information relating to individual firms, separate particulars for Wales cannot be given.

(b) Excluding outworkers.

The values of gross output and materials and fuel used are derived in the following way:-

	England and Wales	Scotland	Great Britain
	£'000	£'000	£'000
Output of firms in this trade			
Total value of sales (see Table 23)	53,973	2,037	56,010
Adjustment for changes in stocks and work in progress	+ 476	+ 7	+ 482
	54,449	2,043	56,493
Less payment for transport by other firms	874	34	908
Gross output (production)	53,575	2,009	55,585
Materials and fuel used by firms in this trade			
Purchases (see Table 24)	38,735	1,472	40,207
Adjustments for changes in stocks	+ 548	- 29	+ 519
Materials and fuel used	39,283	1,443	40,726

Summary

Small firms

TABLE 22

	England and Wales (a)	Scotland	Great Britain
Number of returns	152	17	169
Average number of persons employed (b)			
Males	537	61	598
Females	320	27	347
Total	857	88	945

(a) Owing to the risk of disclosure of information relating to individual firms, separate particulars for Wales cannot be given.

(b) Including working proprietors.

Sales in the trade
Larger establishments

TABLE 23

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Principal products						
Glycerine						
Crude (on the basis of 80 per cent. glycerol)	352	1,330	17	63	369	1,393
Distilled (on the basis of 98 per cent. glycerol)	61	406	-	-	61	406
Oleine and oleic acid	313	1,382	-	-	313	1,382
Stearine (stearic acid)	251	1,445	-	-	251	1,445
Other fatty acids, fatty alcohols (other than sulphated) from sperm oil, and oils (other than acid oils and essential oils)	..	(a)	..	(a)	..	1,301
Soap for household and domestic purposes, including Government and Municipal contracts						
Soft	114	373	8	24	122	397
Hard, in bars or tablets (excluding toilet and shaving) and abrasive, hard or in powder, for polishing or scouring	3,976	13,565	177	797	4,153	14,362
Toilet soap (except shaving)						
Solid	801	6,164	26	169	826	6,333
Liquid	..	(a)	..	(a)	4	9
Shaving soap, solid, cream or powder, including brushless shaving cream	..	(a)	..	(a)	49	994
Powder and dry soap, other than abrasive, shampoos or for shaving	2,219	8,663	72	243	2,291	8,906
Soap shampoos	9	225	-	-	9	225
Other sorts, including flakes and chips and liquid soap (except toilet soap and shampoos)	283	1,692	10	54	293	1,745
Total soap for household and domestic purposes, including Government and Municipal Contracts	7,455	31,685	293	1,288	7,747	32,972
	..	59	..	76	..	136

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Principal products (contd.)						
Soap for industrial purposes (including laundries)						
Powder and dry, other than abrasive	207	642	2	5	209	647
Flakes and chips	203	1,065	13	74	216	1,139
Other sorts	570	2,044	27	110	597	2,154
Total soap for industrial purposes (including laundries)	980	3,750	43	190	1,023	3,940
Washing materials, soapless detergents (except shampoos) and scouring materials, other than soap						
Powder (excluding abrasive)	923	2,973	17	28	940	3,001
Abrasive (powder or hard)	..	(a)	..	(a)	81	150
Other sorts	214	719	19	25	233	744
Unclassified	..	6	-	-	..	6
Soap base and soap sold to other soap or toilet preparation manufacturers for further processing; and candles, night lights and tapers	..	(a)	..	(a)	609	3,346
Waste products	..	49	..	8	..	57
Glycerine distilled on commission (b)		123		-		123
Other work done for the trade or on commission (b)		170		48		218
Total principal products		49,027		1,904		50,931
Other output						
Lubricating oils and greases	..	(a)	..	(a)	..	120
Disinfectants, antiseptics, sheep and cattle dips, insecticides, weedkillers, fertilisers, etc.	..	234	..	15	..	249

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
		£'000		£'000		£'000
Other output (contd.)						
Other chemical manufactures	..	(a)	..	(a)	..	1,195
	Th. galls.				Th. galls.	
Perfumed spirits	18	83	-	-	18	83
Cosmetics and toilet preparations						
Hair preparations	..	941	-	-	..	941
Other cosmetics and toilet preparations	..	380	-	-	..	380
Dental preparations	..	1,109	-	-	..	1,109
Polishes (floor, furniture, metal, etc.)	..	(a)	..	(a)	..	102
Other goods	..	276	..	19	..	295
Work done (b)		603		-		603
Total		53,973		2,037		56,010

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

(b) Amount charged.

Purchased materials and fuel

Larger establishments

TABLE 24

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Materials						
Paraffin wax	..	(a)	..	(a)	367.4	1,169
Tallow	430.6	1,935	43.3	213	473.9	2,149
Stearine and stearic acid					37.8	246
Hydrogenated whale oil	..	(a)	..	(a)	10.0	119
Other hydrogenated fats					32.7	180
Solid fats	513.0	2,232	46.7	247	559.7	2,479
Liquid fats (fatty oils)	244.9	1,202	9.7	49	254.6	1,250
Caustic soda (on the basis of 76%)	921.7	593	31.2	26	952.9	619
Resin	86.4	253	13.5	39	99.9	292
Packing materials	..	5,247	..	144	..	5,392
Beeswax	4.1	73	-	-	4.1	73
Carnauba wax	0.3	8	-	-	0.3	8
Candelilla wax	-	1	-	-	-	1
Other descriptions of wax	8.7	44	-	-	8.7	44
Stearates of magnesium, zinc and other inorganic bases	1.2	1	-	-	1.2	1
Oleine and oleic acid					22.7	126
Fatty alcohols (including sulphonated fatty acids and ester salts)	..	(a)	..	(a)	172.9	567
Vegetable oils						
Castor					6.7	56
Coconut	78.2	391	-	-	78.2	391
Other descriptions	3,360.3	16,925	95.7	502	3,456.0	17,428
Mineral oils (other than for fuel)	Th. galls.				Th. galls.	
	..	(a)	..	(a)	578.9	60
					..	36
Aliphatic alcohols, esters and ketones	24.3	8	-	-	24.3	8

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. lbs.	£'000	Th. lbs.	£'000	Th. lbs.	£'000
Materials (contd.)						
Essential oils						
Natural	539.3	381	18.8	11	558.1	392
Synthetic	133.3	100	7.9	8	141.2	108
Floral concretes	40.3	42	-	-	40.3	42
Other aromatics	209.1	171	1.5	1	210.5	172
Dyes and dyestuffs	Th. cwts. 1.3	53	Th. cwts. -	1	Th. cwts. 1.3	54
Caustic potash	31.2	50	2.6	4	33.8	54
Sodium carbonate (on the basis of 58°)	1,714.7	482	42.8	18	1,757.4	500
Zinc oxide	2.6	11	0.1	-	2.7	11
Glycerine						
Crude (on the basis of 80 per cent. glycerol)	10.1	36	-	-	10.1	36
Distilled (on the basis of 98 per cent. glycerol)	..	(a)	..	(a)	13.9	78
Soap purchased for further processing	45.8	212	2.1	9	47.9	221
Soap base	..	(a)	..	(a)	96.6	480
Kaolin	3.8	2	0.2	-	4.0	2
Titanium oxide	..	(a)	..	(a)	0.3	2
All other purchased materials	..	3,679	..	107	..	3,787
Unclassified materials	..	558	-	-	..	558
Fuel and electricity	Th. tons		Th. tons		Th. tons	
Coal	245.6	674	10.9	28	256.5	702
Coke	..	(a)	..	(a)	9.4	33
Electricity purchased and electricity obtained from other works under the same ownership (b)	Th. B.T.U. (kW. hrs.) 35,145	146	Th. B.T.U. (kW. hrs.) 979	6	Th. B.T.U. (kW. hrs.) 36,125	152

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. galls.	£'000	Th. galls.	£'000	Th. galls.	£'000
Fuel and electricity (contd.)						
Motor spirit (petrol) and deriv. fuel						
Used for road vehicles	428	41	16	2	445	43
Used for other power purposes	3	-	-	-	3	-
Other oil fuel (including creosote/pitch mixtures)	763 ..	28 21	-	-	763 ..	28 21
Gas purchased and gas obtained from other works under the same ownership	Th. therms 661 ..	22 3	Th. therms 5	-	Th. therms 666 ..	22 3
All other purchased fuel	..	12	..	-	..	12
Total		38,735		1,472		40,207

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

(b) The total quantity of electricity consumed in England and Wales was 37,825,000 B.T. units including 2,880,000 generated in the same works. The total quantity of electricity consumed in Scotland was 979,000 B.T. units.

Employment and remuneration
Larger establishments

TABLE 25

	England and Wales			Scotland			Great Britain		
	Average number of operatives	Adminis- trative, technical and clerical employees (a)	Total	Average number of operatives	Adminis- trative, technical and clerical employees (a)	Total	Average number of operatives	Adminis- trative, technical and clerical employees (a)	Total
Males									
Under 18	418	103	521	41	1	42	459	104	563
All ages	8,572	3,565	12,137	432	153	585	9,004	3,718	12,722
Females									
Under 18	1,035	302	1,337	69	18	87	1,104	320	1,424
All ages	5,596	2,089	7,685	343	92	435	5,939	2,181	8,120
Total									
Under 18	1,453	405	1,858	110	19	129	1,563	424	1,987
All ages	14,168	5,654(b)	19,822 (b)(c)	775	245	1,020 (c)	14,943	5,899(b)	20,842 (b)(c)
Total remuneration	£'000 3,722	£'000 2,575	£'000 6,298	£'000 170	£'000 91	£'000 261	£'000 3,893	£'000 2,666	£'000 6,559

(a) Number at September 25, 1948.

(b) There were, in addition, 12 male working proprietors (all in England and Wales).

(c) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to a total of £158,000; £149,000 for England and Wales, and £8,000 for Scotland.

In addition to the employees in the above table the firms in this trade employed outworkers whose numbers and remuneration are set out below.

	Average number of outworkers employed			Total amount paid to outworkers
	Males	Females	Total	
England and Wales	-	26	26	£'000 2
Scotland	-	-	-	-
Great Britain	-	26	26	2

Monthly index of employment of operatives: Larger establishments
(average employment in 1948 = 100)

TABLE 26

Month	Monthly index (a)			Month	Monthly index (a)		
	England and Wales	Scotland	Great Britain		England and Wales	Scotland	Great Britain
1948				1948			
January	102.3	100.8	102.3	August	99.3	97.4	99.2
February	101.5	98.0	101.4	September	100.7	103.3	100.8
March	101.0	98.2	100.9	October	100.3	100.5	100.3
April	100.8	102.3	100.9	November	100.2	97.7	100.1
May	99.6	101.3	99.6	December	98.9	98.2	98.9
June	97.9	101.3	98.0	Percentage employ- ment in this trade covered by the index	75.4	50.5	74.1
July	97.4	100.0	97.5				

(a) The index numbers are calculated from the number of operatives employed in one week in each month returned by larger establishments that made returns for the calendar year 1948.

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