



BOARD OF TRADE

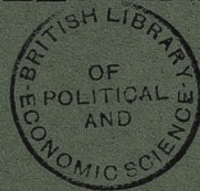
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THE REPORT  
on the  
CENSUS OF PRODUCTION  
FOR 1951

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).*

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\* Not applicable to this trade

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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, nightlights and tapers; and in fat splitting and distillation.

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

IMPORTANT NOTES and definitions appear on the inside of the back cover of this report. In interpreting the data in the following tables it is essential to bear these in mind.



## SOAP, CANDLES AND GLYCERINE TRADE

## Summary

## Larger establishments (a)

TABLE 1

	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949(b)	1948	1937	1935
	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Gross output (production) (c)	88,300	75,198	64,154	..	55,585	23,122	20,539
Cost of materials and fuel used (d)	66,016	56,699	48,699	..	40,726	13,483	10,963
Payment for work done on materials given out	361	225	215	..	214	50	5
Transport payments (e)	1,986	..	..	..	..	..	..
Net output	19,937	18,274	15,240	..	14,645	9,589	9,571
Wages and salaries of persons employed	9,169	8,034	7,151	..	6,559	..	..
Average number of persons employed (f)	No. 23,202	No. 22,420	No. 21,723	No. ..	No. 20,854	No. 22,920	No. 23,162
Net output per person employed (f)	£ 859	£ 815	£ 702	£ ..	£ 702	£ 418	£ 413
Stocks at end of year	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Products on hand for sale and work in progress	7,242	5,072	4,866	..	3,891	..	..
Materials and fuel	13,525	9,715	6,585	..	6,265	..	..
Number of establishments	No. 134	No. 142	No. 156	No. ..	No. 160	No. ..	No. 160

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

	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Output of firms in this trade (g)							
Principal products (h)	79,391	76,333	64,325	..	50,902	21,494	19,088
Other output (i)	6,965						
Changes in stocks and work in progress (j)	+ 1,943	+ 279	+ 940	..	+ 482		
	88,300	76,612	65,265	..	56,493	23,122	20,539
Less payment for transport outwards (e)	..	1,413	1,111	..	908		
Gross output (production)	88,300	75,198	64,154	..	55,585	23,122	20,539
Materials and fuel used by firms in this trade							
Purchases	69,729	59,861	48,999	..	40,207	13,483	10,963
Changes in stocks (j)	- 3,713	- 3,162	- 300	..	+ 519		
Materials and fuel used	66,016	56,699	48,699	..	40,726	13,483	10,963

(a) For small firms' summary see Table 2.

(b) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.

(c) Gross output for 1951 includes payments to other firms and undertakings and to firms' own separate transport organisations for transport services. For other years payments for transport services outwards on finished goods sold are excluded.

(d) Amounts paid for delivery services are excluded for 1951 but included for other years.

(e) Payments to other firms and undertakings and to firms' own separate transport organisations. For 1951 they cover payments for transport of both goods sold and materials and fuel purchased. For other years payments cover only transport outwards of finished goods sold.

(f) Excluding outworkers but including working proprietors. For an estimate of the total number of persons employed in this trade see Table 3.

(g) Total value of sales (1951, 1950, 1949 and 1948) or production for sale (1937 and 1935).

(h) For details for 1951 and 1948 see Table 8.

(i) For details for 1951 and 1948 see Table 10.

(j) For details for 1951 see Table 21.

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## Summary

## Small firms (a)

TABLE 2

	Great Britain		United Kingdom	Great Britain	
	1951	1950	1949	1949	1948
Number of returns	143	183	190	186	205
Average number of persons employed (b)					
Males	488	638	704	682	701
Females	266	356	366	364	437
Total	754	994	1,070	1,046	1,138

(a) Small firms (employing on the average ten or fewer persons) that made satisfactory returns. No information about small firms was collected in Northern Ireland for 1951 or 1950.

(b) Including working proprietors.

## Estimated average employment (a)

## All firms

TABLE 3

	United Kingdom			Great Britain	
	1951	1950	1949	1949	1948
As returned by firms					
Employing on the average more than ten persons (b)	23,202	22,420	21,723	(c)	20,854
Employing on the average ten or fewer persons (d)	754(e)	994(e)	1,070	1,046	1,138
Estimated average employment in firms not making satisfactory returns	23,956	23,414	22,793	(c)	21,992
	167	110	153	153	131
Estimated average employment in all firms	24,123(e)	23,524(e)	22,946	(c)	22,123

(a) Including working proprietors.

(b) See Tables 13(iv) and 14.

(c) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.

(d) See Table 2.

(e) Excluding any small firms in Northern Ireland.

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Analysis by size, 1951  
Larger establishments in the United Kingdom

TABLE 4

Average number employed	Establishments	Gross output	Net output	Persons employed	Remuneration			Net output per person employed
					Operatives	Other employees (a)	Total	
	No.	£'000	£'000	No.	£'000	£'000	£'000	£
11 - 24	41	1,676	483	699	120	147	267	690
25 - 49	32	2,728	602	1,052	206	183	388	572
50 - 99	28	4,671	1,363	1,902	332	327	658	717
100 - 199	13	4,407	1,180	1,675	328	206	534	705
200 - 499	6	4,956	962	1,689	388	198	586	569
500 - 749	7	13,144	3,465	4,515	900	615	1,516	768
750 and over	7	56,718	11,883	11,670	3,015	2,205	5,220	1,018
Total	134	88,300	19,937	23,202	5,289	3,880	9,169	859

(a) Administrative, technical and clerical employees.

Analysis by standard region, 1951  
Larger establishments in the United Kingdom

TABLE 5

Region	Establishments	Gross output	Net output		Persons employed	Remuneration			Net output per person employed
			Value	Percentage of total		Operatives	Other employees (a)	Total	
	No.	£'000	£'000		No.	£'000	£'000	£'000	£
England and Northern Ireland									
Northern; and East and West Ridings	27	11,442	2,640	13.2	2,506	567	523	1,090	1,053
North Midland	7	1,317	352	1.8	593	100	79	179	593
Eastern; Southern; Midland; and Northern Ireland	10	8,326	2,460	12.3	1,685	335	590	925	1,460
London and South Eastern	35	7,825	2,227	11.2	3,797	718	446	1,164	586
South Western	5	1,841	381	1.9	819	177	67	244	465
North Western	35	55,990	11,418	57.3	13,068	3,248	2,086	5,333	874
Total England and Northern Ireland	119	86,741	19,477	97.7	22,468	5,144	3,791	8,935	867
Wales	-	-	-	-	-	-	-	-	-
Scotland	15	1,559	461	2.3	734	145	89	234	627
United Kingdom	134	88,300	19,937	100.0	23,202	5,289	3,880	9,169	859

(a) Administrative, technical and clerical employees.

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Analysis according to specialisation within the trade, 1951  
Larger establishments in the United Kingdom

TABLE 6

	Establishments	Gross output	Sales of characteristic products	Net output	Persons employed	Remuneration			Net output per person employed
						Operatives	Other employees (a)	Total	
	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Specialist producers of Soap and glycerine	88	71,754	55,706	15,697	18,826	4,262	3,059	7,321	834
Candles, nightlights and tapers	10	1,924	1,611	563	959	189	100	289	587
Remainder of the trade	36	14,622		3,677	3,417	838	721	1,559	1,076
Total	134	88,300		19,937	23,202	5,289	3,880	9,169	859

(a) Administrative, technical and clerical employees.

Total make of intermediate products  
Larger establishments

TABLE 7

	Returned in this trade		Returned in all trades			
	United Kingdom 1951		Great Britain 1948	United Kingdom 1951		Great Britain 1948
	Quantity	Entries	Quantity	Quantity	Entries	Quantity
	Th.cwts.	No.	Th.cwts.	Th.cwts.	No.	Th.cwts.
Glycerine						
Crude (on the basis of 80 per cent. glycerol)	(a)	..	436	592	52	436
Distilled (on the basis of 98 per cent. glycerol)	(a)	..	(a)	486	11	333
Oleine and oleic acid	(a)	..	(a)	340	10	315
Stearine (stearic acid)	327	11	251	327	11	251
Other fatty acids	(a)	..	..	764(b)	10	..

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

(b) May include some acid oils.

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

## Larger establishments

TABLE 8

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
	Th.cwts.	£'000	No.	Th.cwts.	£'000
Glycerine					
Crude (on the basis of 80 per cent. glycerol)	484	4,687	47	372	1,408
Distilled (on the basis of 98 per cent. glycerol)	103	1,202	7	61	406
Oleine and oleic acid	338	2,104	10	325	1,431
Stearine (stearic acid)	322	2,658	11	259	1,491
Other fatty acids (a)	331	2,218	9	191	1,161
Fatty alcohols (from sperm oil)	30	297	..	11	202(b)
Soap base and soap sold to other soap or toilet preparation manufacturers for further processing	180	874	21	236	1,138
Soap for household and domestic purposes, including Government and Municipal contracts					
Soft	77	284	27	131	430
Hard, in bars or tablets, excluding abrasive, toilet and shaving	3,345	14,801	59	2,911	12,409
Abrasive, hard or in powder, for polishing or scouring	1,200	2,117	19	1,251	1,989
Toilet soap (except shaving), including liquid toilet soap	1,355	11,935	76	901	7,234
Shaving soap, solid, cream or powder, including brushless shaving cream	58	1,643	58	60	1,351
Soap shampoos, solid, powder or liquid	7	275	14	13	362
Powder and dry soap (other than abrasive and shaving, and shampoos)	3,679	15,542	50	2,304	8,964
Flakes and chips	468	3,199	40	255	1,671
Other sorts	101	248	18	39	80
Unclassified	-	-	-	..	128
Unclassified	-	-	-	15	78
Unclassified	-	-	-	..	48
Soap for industrial purposes (including laundries)					
Soft	174	518	35	98	272
Hard, in bars or tablets, excluding abrasive	330	1,352	47	392	1,658
Abrasive, hard or in powder, for polishing or scouring	47	90	16	59	83
Powder and dry soap, other than abrasive	287	882	44	209	647
Flakes and chips	172	921	37	216	1,139

TABLE 8 (contd.)

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
	Th.cwts.	£'000	No.	Th.cwts.	£'000
Soap for industrial purposes (including laundries) (contd.)					
Other sorts	82	212	35	51	151
Unclassified	-	-	-	2	8
Unclassified soap	16	46	9	..	5
Total soap	11,397	54,064	..	8,907	38,526
Total soap	..	104	..	..	367
Soapless detergents, scouring materials and washing materials other than soap					
Powder (excluding abrasive)	1,188	9,246	31	1,049	3,435
Abrasive (powder or hard)	149	453	13	224	412
Other sorts	400	1,140	42	440	1,407
Unclassified	343	1,424	29	120	245
Total soapless detergents, scouring materials and washing materials other than soap	2,079	12,263	..	1,833	5,498
Total soapless detergents, scouring materials and washing materials other than soap	..	297	..	..	575
Candles, nightlights and tapers	282	2,099	16	392	2,323
Waste products	..	171	20	..	57
Work done for the trade or on commission (c)					
Glycerine distilled on commission		262	8		123
Other work		281	20		225
Total		83,581	..		54,930
Sales in other trades (see Table 9)		4,190	..		4,028
Principal products of this trade sold by establishments in the trade		79,391	129		50,902

(a) May include some acid oils.  
 (b) So far as recorded separately.  
 (c) Amount charged.



Sales of principal products of the trade by establishments  
classified to other trades

## Larger establishments

TABLE 9

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000
Stearine (stearic acid)	-	-	-	8	46
Other fatty acids, including oleine and oleic acid; and glycerine, crude (on the basis of 80 per cent. glycerol)	20	116	..	15	64
Fatty alcohols (from sperm oil)	-	-	-	..	91
Soap for household and domestic purposes, including Government and Municipal contracts					
Soft	-	-	-	9	33
Hard, in bars or tablets, excluding abrasive, toilet and shaving	4	17	..	8	36
Abrasive, hard or in powder, for polishing or scouring	-	-	-	8	36
Toilet soap (except shaving), including liquid toilet soap	53	1,165	28	72	892
Shaving soap, solid, cream or powder, including brushless shaving cream	12	499	28	11	358
Soap shampoos, solid, powder or liquid	1	22	9	4	136
Powder and dry soap (other than abrasive and shaving, and shampoos)	7	28	7	13	58
Flakes and chips	-	-	-	1	5
Other sorts	3	13	..	..	50
Unclassified	-	-	-	15	78
Soap for industrial purposes (including laundries)				..	48
Soft	14	50	..	..	10
Hard, in bars or tablets, excluding abrasive	-	-	-	2	122
Abrasive, hard or in powder, for polishing or scouring	-	-	-	..	122
Other sorts, except powder and dry soap and flakes and chips	5	27	..	..	8
Unclassified	-	-	-	2	5
Unclassified soap	16	46	9	-	-
	..	104	..	..	..
Total soap	114	1,867	..	137	1,613
	..	104	..	..	231

TABLE 9 (contd.)

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000
Soapless detergents, scouring materials and washing materials other than soap					
Powder, and abrasive (powder or hard)	55	311	8	252	695
Other sorts	53	77	8	207	663
Unclassified	343	1,424	29	120	245
	..	..	..	..	155
Total soapless detergents, scouring materials and washing materials other than soap	451	1,811	..	579	1,603
	..	238	..	..	256
Soap base and soap sold to other soap or toilet preparation manufacturers for further processing; and candles, nightlights and tapers	7	53	..	19	115
Work done for the trade or on commission (other than glycerine distilled on commission)					7(a)
Total		4,190	..		4,028

(a) Amount charged.

## Sales in the trade of other than principal products

## Larger establishments

TABLE 10

	United Kingdom 1951		Great Britain 1948	
	Quantity	Value	Quantity	Value
	Th. lbs.	£'000		£'000
Cosmetics and toilet preparations (other than perfumes, essential oils and soaps)				
Hair preparations				
Brilliantine and pomade	..	127	..	941
Soapless shampoos	1,369	654	..	..
Other hair preparations	..	231	..	..
Talcum and other toilet powders (excluding face powders and tooth powders)	3,811	575	..	1,489
Bath salts and cubes, bath oatmeal and other bath water softeners	1,196	120	..	..
Other, including dental preparation	..	2,079	..	..
Perfumes	..	87	Th. galls. 18	83(a)
Disinfectants, antiseptics, sheep and cattle dips, insecticides, weedkillers, etc.	..	152	..	249
Polishes (floor, furniture, metal, etc.)	Th. cwts. 4	25	..	102
Lubricating oils and greases	..	24	..	120
Animal (except marine animal) oils, fats and greases	28	71	..	..
Other oils, mixed or not, including colloidal oils used for lubricating and other purposes	13	66	..	2,123
Other goods sold and work done	..	18	..	..
	20	93	..	..
	..	14	..	..
	..	2,630	..	..
Total		6,965		5,109

(a) Perfumed spirits only.



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

TABLE 11

		Production (b) (c)	Exports	Retained imports
		Th.cwts.	Th.cwts.	Th.cwts.
Glycerine				
Crude (on the basis of 80 per cent. glycerol)	{ 1951 1948 1937	592(d) 436(d) 573(d)	22 4 37	.. 2 62
Distilled (on the basis of 98 per cent. glycerol)	{ 1951 1948 1937	486(d) 333(d) ..	36 31 106	.. .. -
Total glycerine	{ 1951 1948 1937	1,078(d) 770(d) ..	58 35 143	39 3 62
Soap				
Soft	{ 1951 1948 1937	251 229 387	12 5 19	- 2 10
Hard, in bars or tablets, excluding abrasive, toilet, and shaving	{ 1951 1948 1937	3,675 3,302 5,153	854 381 665	1 - 27
Abrasive, hard or in powder, for polishing or scouring	{ 1951 1948 1937	1,247 1,376(e) 528	79 8 38	- - 5
Toilet soap (except shaving), including liquid toilet soap (f)	{ 1951 1948 1937	1,355 924(e) 702	255 116 74	1 - 101
Shaving soap, solid, cream or powder, including brushless shaving cream (g)	{ 1951 1948 1937	58 60 36	9 6 3	- - 2
Powder and dry soap (other than abrasive and shaving, and shampoos) (h)	{ 1951 1948 1937	3,965 2,513 2,456	72 28 13	- - 2
Flakes and chips	{ 1951 1948 1937	640 472 1,062	31 9 8	- - -
Other sorts, including soap shampoos, solid, powder or liquid	{ 1951 1948 1937	190 183(e) 121(e)	16 6 8	- - 1
Total soap	{ 1951 1948 1937	11,419(e) (i) 9,086(e) (i) 10,480(e) (i)	1,328 560 828	3 3 148
Candles, nightlights and tapers	{ 1951 1948 1937	282 392 612	9 2 57	22 - 2
Soapless detergents, scouring materials and washing materials other than soap	1951	2,200(e)	239	..

- (a) Figures of production (or sales) refer only to larger establishments in the United Kingdom (1951 and 1937) or Great Britain (1948). 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 1951 and 1948, and production for sale in 1937, except where otherwise noted.  
 (c) Including production (or sales) by establishments classified to other trades.  
 (d) Production for sale or for further manufacturing purposes in the same works.  
 (e) Partly estimated.  
 (f) Described as 'Toilet soap (except shaving)' in 1937.  
 (g) Described as 'Shaving soap and cream' in 1937.  
 (h) Not specified as excluding shampoos or shaving soap in 1937.  
 (i) Including unclassified output.

TABLE 12 - Usage of certain specified purchased materials, 1951  
Larger establishments in the United Kingdom

No information on usage of materials was required from this trade.

TABLE 13

Employment in September  
Larger establishments (a)

	United Kingdom						Number	
	United Kingdom			Great Britain		United Kingdom		
	1951(b)	1950(b)	1949(b)	1949(c)	1948(d)	1937(d)	1935(d)	
Males								
Under 18	435	458	461	..	459	723	786	
All ages	9,462	9,960	9,480	..	9,004	9,643	9,737	
Females								
Under 18	874	1,118	1,074	..	1,104	2,816	2,324	
All ages	6,668	6,781	6,485	..	5,939	6,860	6,550	
Total								
Under 18	1,309	1,576	1,535	..	1,563	3,539	3,110	
All ages	16,130	16,741	15,965	..	14,943	16,503	16,287	

## (ii) Administrative, technical and clerical employees (e)

	United Kingdom						Number	
	United Kingdom			Great Britain		United Kingdom		
	1951	1950	1949	1949(c)	1948	1937	1935	
Males								
Under 18	114	113	110	..	104	185	147	
All ages	4,261	4,043	3,731	..	3,718	4,016	4,592	
Females								
Under 18	367	383	366	..	320	387	263	
All ages	2,693	2,534	2,257	..	2,181	2,401	2,283	
Total								
Under 18	481	496	476	..	424	572	410	
All ages	6,954(f)	6,577(f)	5,988(f)	..	5,899(f)	6,417	6,875	

## (iii) Total employees

	United Kingdom						Number	
	United Kingdom			Great Britain		United Kingdom		
	1951	1950	1949	1949(c)	1948	1937	1935	
Males								
Under 18	549	571	571	..	563	908	933	
All ages	13,723	14,003	13,211	..	12,722	13,659	14,329	
Females								
Under 18	1,241	1,501	1,440	..	1,424	3,203	2,587	
All ages	9,361	9,315	8,742	..	8,120	9,261	8,833	
Total								
Under 18	1,790	2,072	2,011	..	1,987	4,111	3,520	
All ages	23,084(f)	23,318(f)	21,953(f)	..	20,842(f)	22,920	23,162	

(a) Excluded employees. The following persons were employed at the larger establishments in this trade in 1951 but are not included in the above tables or in any other Census of Production report (employees in Great Britain engaged, for example, in merchanting and in Northern Ireland canteen and welfare workers):-

Canteen workers	37	Males	394	Females
Other workers	224	Males	170	Females

- (b) In week ended September 22, 1951, September 30, 1950, and September 24, 1949.  
 (c) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.  
 (d) Average for the year.  
 (e) In week ended September 22, 1951, September 30, 1950, September 24, 1949, September 25, 1948, October 16, 1937, and October 12, 1935.  
 (f) Working proprietors. In addition working proprietors, shown in Table 13(iv) below, were engaged in this trade in larger establishments. The 1937 and 1935 figures include working proprietors.

## (iv) Working proprietors

	Number					
	United Kingdom			Great Britain		
	1951	1950	1949	1949	1948	
Males	9	11	14	..	12	
Females	-	-	-	..	-	
Total	9	11	14	..	12	



Average employment  
Larger establishments (a)

	United Kingdom						Number	
	United Kingdom			Great Britain		United Kingdom		
	1951	1950	1949	1949(b)	1948	1937	1935	
Operatives	16,348	16,000	15,745	..	14,943	16,503	16,287	
Administrative, technical and clerical employees	6,845	6,409	5,964	..	5,899(c)	6,417(c)	6,875(c)	
Total	23,193	22,409	21,709	..	20,842	22,920	23,162	

(a) For employment in small firms (employing on the average ten or fewer persons) that made satisfactory returns see Table 2.

(b) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.

(c) In week ended September 25, 1948, October 16, 1937, and October 12, 1935. The 1937 and 1935 figures include working proprietors.

Outworkers. In addition to the employees shown above the firms in this trade employed outworkers whose numbers are shown below.

	United Kingdom						Number	
	United Kingdom			Great Britain		United Kingdom		
	1951	1950	1949	1949	1948	1937	1935	
Males	-	-	-	-	-	..	..	
Females	8	-	-	-	26	..	..	
Total	8	-	-	-	26	..	..	

Shift working, 1951 (a)

Larger establishments in Great Britain

	Total number of man-shifts worked in the week	Total number of shift-hours worked in the week	Number of returns showing the systems stated
Continuous 3 shift systems per 24 hours averaging 8 hours per shift	11,181	89,448	18
Continuous 4 shift systems per 24 hours averaging 6 hours per shift	-	-	-
All 2 shift systems	797	7,663	4
Other shift systems	-	-	-
Total	11,978	97,111	(b)

(a) Shift working during week ended September 22, 1951.

(b) The number and percentage of returns showing shift working and of operatives on shift-work were as follows:-

	Returns		Operatives		
	Total in trade	Showing shift-work	Total in trade	Total on returns showing shift-work	Number employed on shift-work
Number	..	19	..	11,246	2,220
Percentage of total in trade	100.0	15.0(c)	100.0	70.0(c)	14.0(c)
Percentage of total on returns showing shift-work				100.0	19.7

(c) Rounded to avoid disclosure.

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

Larger establishments

	£'000				
	United Kingdom			Great Britain	
	1951	1950	1949	1949(a)	1948
Wages and salaries (b) of Operatives Administrative, technical and clerical employees	5,289	4,772	4,334	..	3,893
	3,880	3,262	2,817	..	2,666
Total	9,169	8,034	7,151	..	6,559
Employers' contributions to all National Insurance Schemes	218	193	199	..	158

(a) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.

(b) Including bonus and commission payments, but excluding payments to outworkers shown below.

£'000

United Kingdom			Great Britain	
1951	1950	1949	1949	1948
-	-	-	-	2

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

Larger establishments

	£'000			
	United Kingdom		Great Britain	
	1951	1949	1949(a)	1948
Plant, machinery and vehicles				
Acquisitions				
Plant and machinery				
New	2,809	1,479	..	883
Second-hand	47	30	..	28
Vehicles				
New	121	95	..	109
Second-hand	24	23	..	25
Total acquisitions	3,001	1,626	..	1,044
Disposals				
Plant and machinery	42	39	..	40
Vehicles	32	26	..	26
Total disposals	73	65	..	66
New building work				
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	547	228	..	179

(a) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.



2/J/14

CHEMICALS AND ALLIED TRADES COUNTRY TABLES  
SOAP, CANDLES AND GLYCERINE TRADE  
1951

Summary

Larger establishments

TABLE 18

	England(a)	Wales	Scotland	Great Britain	Northern Ireland(a)	United Kingdom
	£'000	£'000	£'000	£'000	£'000	£'000
Gross output (production)	86,741	-	1,559	..	..	88,300
Cost of materials and fuel used	64,965	-	1,051	..	..	66,016
Payment for work done on materials given out	359	-	2	..	..	361
Transport payments	1,940	-	45	..	..	1,986
Net output	19,477	-	461	..	..	19,937
Wages and salaries of persons employed	8,935	-	234	..	..	9,169
	No.	No.	No.	No.	No.	No.
Average number of persons employed (b)	22,468	-	734	..	..	23,202
	£	£	£	£	£	£
Net output per person employed (b)	867	-	627	..	..	859
	£'000	£'000	£'000	£'000	£'000	£'000
Stocks at end of year						
Products on hand for sale and work in progress	7,086	-	156	..	..	7,242
Materials and fuel	13,153	-	372	..	..	13,525
	No.	No.	No.	No.	No.	No.
Number of establishments	119	-	15	..	..	134

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

	£'000	£'000	£'000	£'000	£'000	£'000
Output of firms in this trade						
Total value of sales (see Table 20)	84,782	-	1,574	..	..	86,357
Changes in stocks and work in progress (see Table 21)	+ 1,959	-	- 16	..	..	+ 1,943
Gross output (production)	86,741	-	1,559	..	..	88,300
Materials and fuel used by firms in this trade						
Purchases	68,627	-	1,102	..	..	69,729
Changes in stocks (see Table 21)	- 3,662	-	- 51	..	..	- 3,713
Materials and fuel used	64,965	-	1,051	..	..	66,016

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland, where net output was less than 1 per cent. of that of the United Kingdom, cannot be given separately and have been included with those for England.

(b) Excluding outworkers but including working proprietors.

Summary

Small firms in Great Britain (a)

TABLE 19

	England	Wales	Scotland	Great Britain
Number of returns	135	-	8	143
Average number of persons employed (b)				
Males	457	-	31	488
Females	248	-	18	266
Total	705	-	49	754

(a) Small firms in Great Britain (employing on the average ten or fewer persons) that made satisfactory returns.

(b) Including working proprietors.



Sales in the trade  
Larger establishments

TABLE 20

	England and Wales		Scotland		Great Britain		Northern Ireland		United Kingdom	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
	Th.cwts.	£'000	Th.cwts.	£'000	Th.cwts.	£'000		£'000	Th.cwts.	£'000
<b>Principal products</b>										
Glycerine, distilled (on the basis of 98 per cent. glycerol)	..	(a)	..	(a)	103	1,202	-	-	103	1,202
Stearine (stearic acid)	..	(a)	..	(a)	322	2,658	-	-	322	2,658
Other fatty acids, including oleine and oleic acid; and glycerine, crude (on the basis of 80 per cent. glycerol)	1,125	8,816(b)	9	77	..	..	..	(b)	1,134	8,893
Fatty alcohols (from sperm oil)	30	297	-	-	30	297	-	-	30	297
<b>Soap for household and domestic purposes, including Government and Municipal contracts</b>										
<b>Soft</b>	46	165(b)	31	119	..	..	..	(b)	77	284
Hard, in bars or tablets, excluding abrasive, toilet and shaving	3,269	14,436(b)	72	347	..	..	..	(b)	3,341	14,784
Abrasive, hard or in powder, for polishing or scouring	..	(a)	..	(a)	1,200	2,117	-	-	1,200	2,117
Toilet soap (except shaving), including liquid toilet soap	..	(a)	..	(a)	1,302	10,770	-	-	1,302	10,770
Shaving soap, solid, cream or powder, including brushless shaving cream	..	(a)	..	(a)	..	..	..	(a)	46	1,145
Soap shampoos, solid, powder or liquid	..	(a)	..	(a)	7	253	-	-	7	253
Powder and dry soap (other than abrasive and shaving, and shampoos)	..	(a)	..	(a)	3,672	15,514	-	-	3,672	15,514
Flakes and chips	463	3,161	5	37	468	3,199	-	-	468	3,199
Other sorts	..	(a)	..	(a)	98	235	-	-	98	235
<b>Soap for industrial purposes (including laundries)</b>										
<b>Soft</b>	149	425(b)	11	43	..	..	..	(b)	160	468
Hard, in bars or tablets, excluding abrasive	307	1,257(b)	23	95	..	..	..	(b)	330	1,352
Abrasive, hard or in powder, for polishing or scouring	47	90	-	-	47	90	-	-	47	90
Powder and dry soap, other than abrasive	276	856(b)	11	26	..	..	..	(b)	287	882
Flakes and chips	164	875	8	46	172	921	-	-	172	921
Other sorts	..	(b)	..	(b)	77	185	-	-	77	185
<b>Total soap</b>	11,034	51,178(b)	249	1 019	..	..	..	(b)	11,283	52,197



TABLE 20 (contd.)

	England and Wales		Scotland		Great Britain		Northern Ireland		United Kingdom	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
		£'000		£'000	Th.cwts.	£'000		£'000	Th.cwts.	£'000
Principal products (contd.)										
Soapless detergents, scouring materials and washing materials other than soap										
Powder (excluding abrasive); and abrasive (powder or hard)	..	(a)	..	(a)	1,281	9,388	-	-	1,281	9,388
Other sorts	..	(a)	..	(a)	347	1,063	-	-	347	1,063
					..	59			..	59
Total soapless detergents, scouring materials and washing materials other than soap	..	(a)	..	(a)	1,628	10,451	-	-	1,628	10,451
					..	59			..	59
Soap base and soap sold to other soap or toilet preparation manufacturers for further processing; and candles, night-lights and tapers	..	(a)	..	(a)	..	..	..	(a)	455	2,920
Waste products	..	(a)	..	(a)	..	171	-	-	..	171
Work done for the trade or on commission (c)										
Glycerine distilled on commission		262		-		262		-		262
Other work		257		24		281		-		281
Total principal products		77,979 (b)		1,413		..		(b)		79,391
Other output										
Cosmetics and toilet preparations (other than perfumes, essential oils and soaps)										
Hair preparations										
Brilliantine and pomade	..	127	-	-	..	127	-	-	..	127
	Th.lbs.				Th.lbs.				Th.lbs.	
Soapless shampoos	1,369	654	-	-	1,369	654	-	-	1,369	654
Other hair preparations	..	231	-	-	..	231	-	-	..	231
Talcum and other toilet powders (excluding face powders and tooth powders)	3,811	575	-	-	3,811	575	-	-	3,811	575

CHEMICALS AND ALLIED TRADES COUNTRY TABLES

Bath salts and cubes, bath oatmeal and other bath water softeners	1,196	120	-	-	1,196	120	-	-	1,196	120
Other, including dental preparations	..	2,079	-	-	..	2,079	-	-	..	2,079
Perfumes	..	87	-	-	..	87	-	-	..	87
Disinfectants, antiseptics, sheep and cattle dips, insecticides, weedkillers, etc.	..	148	..	4	..	152	-	-	..	152
Polishes (floor, furniture, metal, etc.)	..	(a)	..	(a)	Th.cwts. 4	25	-	-	Th.cwts. 4	25
Lubricating oils and greases	..	(a)	..	(a)	..	24	-	-	..	24
Animal (except marine animal) oils, fats and greases	..	(a)	..	(a)	28	71	-	-	28	71
Other oils, mixed or not, including colloidal oils used for lubricating and other purposes	..	(a)	..	(a)	13	66	-	-	13	66
					..	18			..	18
Other goods sold and work done	..	2,576 (b)	..	54	20	93	-	-	20	93
					..	14			..	14
Total		84,782 (b)		1,574	..	..		(b)	..	2,630
										86,357

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

(b) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

(c) Amount charged.

SOAP, CANDLES AND GLYCERINE COUNTRY TABLES



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

Larger establishments

TABLE 21

£'000

		England and Wales (a)	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
Products on hand for sale	{ at beginning of year	2,958	92	..	..	3,050
	{ at end of year	4,759	69	..	..	4,828
Work in progress	{ at beginning of year	2,169	79	..	..	2,249
	{ at end of year	2,327	87	..	..	2,414
Total products on hand for sale and work in progress	{ at beginning of year	5,127	171	..	..	5,299
	{ at end of year	7,086	156	..	..	7,242
Materials and fuel	{ at beginning of year	9,492	321	..	..	9,812
	{ at end of year	13,153	372	..	..	13,525

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

Employment in September

Larger establishments (a)(b)

Note - Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales throughout this table.

TABLE 22

(i) Operatives

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	428	7	..	..	435
All ages	9,142	320	..	..	9,462
Females					
Under 18	854	20	..	..	874
All ages	6,469	199	..	..	6,668
Total					
Under 18	1,282	27	..	..	1,309
All ages	15,611	519	..	..	16,130

(ii) Administrative, technical and clerical employees

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	114	-	..	..	114
All ages	4,122	139	..	..	4,261
Females					
Under 18	354	13	..	..	367
All ages	2,625	68	..	..	2,693
Total					
Under 18	468	13	..	..	481
All ages (c)	6,747	207	..	..	6,954

TABLE 22 (contd.)

(iii) Total employees

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	542	7	..	..	549
All ages	13,264	459	..	..	13,723
Females					
Under 18	1,208	33	..	..	1,241
All ages	9,094	267	..	..	9,361
Total					
Under 18	1,750	40	..	..	1,790
All ages (c)	22,358	726	..	..	23,084

(a) Excluded employees. The number of persons employed at the larger establishments in this trade but not included in the above tables or in any other Census of Production report (employees in Great Britain engaged, for example, in merchanting and in Northern Ireland canteen and welfare workers) are shown in Table 22(v) below.

(b) Number employed in the week ended September 22, 1951.

(c) Working proprietors. In addition working proprietors, shown in Table 22(iv) below, were engaged in this trade in larger establishments.

(iv) Working proprietors

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males	9	-	..	..	9
Females	-	-	-	-	-
Total	9	-	..	..	9

(v) Excluded employees

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Canteen workers					
Males	35	2	37	-	37
Females	391	3	394	-	394
Total	426	5	431	-	431
Other workers					
Males	224	-	224	-	224
Females	170	-	170	-	170
Total	394	-	394	-	394
Total excluded employees	820	5	825	-	825

Average employment

Larger establishments (a)

TABLE 23

Number

	England and Wales (b)	Scotland	Great Britain	Northern Ireland (b)	United Kingdom
Operatives	15,824	524	..	..	16,348
Administrative, technical and clerical employees	6,635	210	..	..	6,845
Total	22,459	734	..	..	23,193

Outworkers. In addition to the employees shown above the firms in this trade employed outworkers whose numbers are shown below.

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males	-	-	-	-	-
Females	8	-	8	-	8
Total	8	-	8	-	8

(a) For employment in small firms in Great Britain (employing on the average ten or fewer persons) that made satisfactory returns see Table 19.

(b) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.



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

## Larger establishments

TABLE 24

£'000

	England and Wales (a)	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
Wages and salaries (b) of					
Operatives	5,144	145	..	..	5,289
Administrative, technical and clerical employees	3,791	89	..	..	3,880
Total	8,935	234	..	..	9,169
Employers' contributions to all National Insurance Schemes	211	7	..	..	218

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

(b) Including bonus and commission payments, but excluding payments to outworkers in England which amounted to less than £500.

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

## Larger establishments

TABLE 25

£'000

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Plant, machinery and vehicles					
Acquisitions					
Plant and machinery					
New	2,781(a)	27	..	(a)	2,809
Second-hand	46	1	47	-	47
Vehicles					
New	112	10	121	-	121
Second-hand	23	1	24	-	24
Total acquisitions	2,962(a)	39	..	(a)	3,001
Disposals					
Plant and machinery	41(a)	-	..	(a)	42
Vehicles	31	1	32	-	32
Total disposals	72(a)	1	..	(a)	73
New building work					
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	(b)	(b)	547	-	547

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

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

## Payments for transport services for finished goods sold and materials and fuel purchased

## Larger establishments

TABLE 26

£'000

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Amounts paid to other firms and undertakings	1,898(a)	38	..	(a)	1,937
Amount paid or credited to firms' own separate transport organisations	42	7	49	-	49
Total	1,940(a)	45	..	(a)	1,986

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

## GENERAL NOTES

The following brief notes refer to Great Britain and, unless otherwise stated, to the census of production for 1951. Reference should be made to the separate booklet in this series entitled 'The Report on the Census of Production for 1951: Introductory Notes' (price 1s.6d. net) for particulars of the minor differences in the Northern Ireland censuses and other details about the census of production.

**Trade classification:** Establishments are classified to trades according to the nature of their output. Certain products, called principal products, are identified as characteristic of the production of individual trades, the principal products for a given trade being of a similar nature or commonly associated in production. An establishment is classified to a trade if its output of principal products of that trade accounted for a greater proportion of the value of its output than did its output of principal products of any other trade.

**The establishment:** The basic unit for the collection of information is generally the establishment which in most cases comprises the whole of the premises under the same ownership or management at a particular address (e.g., a factory). Offices, warehouses and other ancillary places of business situated apart from the producing works are included in the return for the works.

**Larger establishments and small firms:** Larger establishments are those which employed more than 10 persons on the average during the year; small firms are those employing on the average 10 or fewer persons.

**Working proprietors** are proprietors of businesses other than limited companies, and include members of their families who work in the business without receiving fixed wages or salaries. Any persons working less than half the normal hours are excluded.

**Persons employed:** Administrative employees include directors other than those paid by fee only, managers, superintendents and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and tracers; and travellers and office (including works office) employees. Operatives include all other classes of employees, that is, broadly speaking, all manual workers.

All these figures exclude canteen employees and persons engaged in merchandising or any other activity not covered by a firm's return who are shown separately as excluded employees.

Figures for employees include only persons on the pay-roll (that is whose National Insurance cards were held by the firm), whether full-time or part-time employees.

**Outworkers,** who are shown separately, are persons employed by the firm who work on materials supplied by the firm, but do not work on the premises; operatives directly employed who work out of doors (e.g., maintenance workers) and sub-contractors are not included as outworkers.

Wages and salaries include all overtime payments, bonuses, and commissions, without any deduction for income tax, insurance, contributory pensions, etc. They exclude payments to working proprietors.

**Capital expenditure:** Expenditure on plant, machinery and vehicles relates to expenditure charged to capital account during the year of return, including transport and installation costs involved. Expenditure on new building work is similarly that charged to capital account during the year.

**Materials and fuel:** The cost of materials and fuel purchased includes all purchases during the year of materials for use in production and of fuel (including oil, gas, and electricity for all purposes, including heating and lighting); all packing materials, including the full cost of returnable containers when first purchased; workshop materials; office materials; water charges; materials for repairs to firms' own buildings, plant and vehicles when carried out by

their own work people included in the return; and consumable tools and parts for machinery purchased as replacement. Materials, components, etc. which were purchased and re-sold in the same state (that is, merchanted or factored goods) were excluded. For 1951 firms in many trades were required to state the quantities of certain purchased materials used.

**Stocks and work in progress:** Firms were instructed to give these at income tax value.

**Output:** Sales means sales during the year of goods made in the establishment covered by the return or made on commission for it, whether produced in the year or not. For all post-war censuses the value of sales was the net selling value, that is, the amount charged to customers, whether on an ex-works or delivered basis, and net of any trade discounts, agents' commissions, allowances for returnable cases, purchase tax, etc. For goods charged on a delivered basis to customers overseas, firms were required to give the f.o.b. value.

**Gross output** of a trade is the total value of goods made and other work done during the year; this means the value of sales and work done during the year adjusted for changes in the values of stocks.

**Net output** is the amount left after deducting from the value of gross output the aggregate of the cost of materials and fuel used and the amount paid for work given out and, for 1951, any transport payments included in firms' returns. This represents the value added to materials by the process of production, and constitutes the fund from which wages, salaries, rents, rates and taxes, advertising and other selling expenses and all other similar charges have to be met as well as depreciation and profits.

**Customs and Excise Duty** paid on materials purchased is included in the cost of materials, but where it is especially important separate figures are shown.

**Later reports:** Reports will be published later summarising the main census results and giving information about power equipment and fuel consumption.

**Disclosure of information:** The report has been prepared in conformity with the disclosure provisions of the Statistics of Trade Act, 1947. Figures have been combined with others of a similar nature in certain cases where publication of separate details might disclose the operations of an individual firm.

**Symbols used:** '..' for 'Not available', '-' for 'Nil or negligible (less than half the final digit shown)'

The figures in the tables have been rounded off to the nearest final digit, and there may be an apparent slight discrepancy between the sums of the constituent items and the totals shown.

Tables 1 to 17 show figures for the United Kingdom (or Great Britain).

Tables 18 to 26 are country tables and give, where practicable, separate details for England and Wales, Scotland and Northern Ireland.

Table 6: Specialist producers refer to those establishments 50 per cent. or more of whose total output by value is accounted for by the groups of products specified.

Table 8 (or 8(i)) shows the total sales of principal products of the trade, and includes therefore the sales of these products returned by establishments whether classified to the trade or to other trades. Those produced by establishments in other trades are shown in Table 9.

Table 10 shows the sales by establishments in the trade of products other than those regarded as principal products of the trade.

Table 20 (or 20(i)) shows sales by establishments in the trade of products, whether principal products or not, and broadly the aggregates here are equal to the corresponding figures in Table 8 (or 8(i)) less those in Table 9, plus those in Table 10.



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