



BOARD OF TRADE

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FINAL REPORT
on the
CENSUS OF PRODUCTION
FOR 1948

Volume 1

Trade H

GLASS CONTAINERS

*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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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

GLASS CONTAINERS TRADE

THIS REPORT on the Glass Containers Trade relates to establishments engaged wholly or mainly in the manufacture of glass bottles, bottle stoppers, jars, syphons and vacuum flasks.

This trade corresponds to minimum list heading 23 in the Standard Industrial Classification.

Any establishments in Northern Ireland are excluded in 1948; no production was recorded there in this trade for 1937 or 1935.



GLASS CONTAINERS TRADE

Summary

Larger establishments

TABLE 1

	1948	1937	1935
Gross output (production)	£'000 20,835	£'000 8,201	£'000 6,584
Cost of materials and fuel used	9,005	3,136	2,484
Payment for work done on materials given out	46	3	2
Net output	11,784	5,062	4,098
Wages and salaries of persons employed	7,609	..	..
	No.	No.	No.
Average number of persons employed (a)	23,972(b)	19,486	17,765
	£	£	£
Net output per person employed (a)	492	260	231
	£'000	£'000	£'000
Stocks at end of year			
Finished products and work in progress	1,080	..	..
Materials and fuel	2,349	..	..
	No.	No.	No.
Number of establishments	70	..	67

(a) Excluding outworkers.

(b) 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
Output of firms in this trade	£'000	£'000	£'000
Total value of sales (1948) or production (1937 and 1935)			
Principal products (see Table 8)	20,596	7,796	6,250
Other output (see Table 10)	1,377	405	334
Adjustment for changes in stocks and work in progress (see Table 14)	+ 221	..	..
	22,194	8,201	6,584
Less payment for transport by other firms	1,359		
Gross output (production)	20,835	8,201	6,584
Materials and fuel used by firms in this trade			
Purchases (see Table 13)	9,418	3,136	2,484
Adjustment for changes in stocks (see Table 14)	- 412		
Materials and fuel used	9,005	3,136	2,484

Summary, 1948

Small firms in Great Britain

TABLE 2

Number of returns	1
Average number of persons employed (a)	
Males	10
Females	-
Total	10

(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)	23,972
Employing on average ten persons or less (b)	10
	23,982
Estimated average employment in firms not making satisfactory returns	98
Estimated average employment in all firms	24,080

(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	
11-49	No. 13	£'000 470	£'000 256	No. 462	£'000 120	£'000 23	£'000 142	£ 554
50-99	9	442	253	536	143	28	171	471
100-199	17	2,414	1,454	2,569	724	85	809	566
200-299	7	1,830	947	1,730	463	93	556	548
300-399	5	1,713	980	1,744	499	117	616	562
400-499	5	1,616	976	2,154	526	85	611	453
500-749	6	4,166	2,350	4,770	1,346	188	1,535	493
750 and over	6	8,184	4,569	10,007	2,630	538	3,168	457
Total	70	20,835	11,784	23,972	6,452	1,157	7,609	492

Analysis by standard region, 1948

Larger establishments in Great Britain

TABLE 5

Region	Establishments	Gross output	Net output		Persons employed	Remuneration		
			Value	Percentage of total		Wages	Salaries	Total
	No.	£'000	£'000		No.	£'000	£'000	£'000
England								
East and West Ridings of Yorkshire	20	5,634	3,270	27.8	6,999	1,839	262	2,101
North Midland; and Eastern	5	651	362	3.1	808	228	27	254
London and South Eastern	27	6,925	3,967	33.7	7,207	2,029	404	2,433
North Western	8	5,320	2,888	24.5	6,788	1,760	335	2,095
Midland	3	553	348	2.9	465	138	16	154
Wales								
Total England and Wales	63	19,082	10,836	92.0	22,267	5,994	1,044	7,038
Scotland	7	1,753	948	8.0	1,705	458	113	571
Great Britain	70	20,835	11,784	100.0	23,972	6,452	1,157	7,609

TABLE 6 - Analysis according to specialisation within the trade, 1948

Larger establishments in Great Britain

No specialisation within this trade was distinguished.

TABLE 7 - Total make of intermediate products: Larger establishments

This table is not applicable to the trade.

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			1937			1935			
	Sales			Production			Production			
	Quantity	Value	Entries	Quantity	Value	Quantity	Value			
	Th. gross	Th. cwt.	£'000	No.	Th. gross	Th. cwt.	£'000	Th. gross	Th. cwt.	£'000
Glass containers (other than scientific and domestic glassware, and containers made from tubing) (a)										
Milk bottles	1,315	1,886	2,178	13	901	1,189	904	688	890	638
Beer bottles	1,714	2,169	2,023	18	1,371	1,851	999	1,272	1,724	897
Mineral water bottles	1,141	1,660	1,529	26	554	693	429	409	538	306
Wine, spirit and similar bottles	1,383	2,205	2,280	25	1,337	1,724	1,203	1,035	1,291	864
Bottles and jars for chemicals, drugs, medicines and medicinal preparations	4,089	1,721	3,307	46	3,077	1,463	1,441	2,707	1,329	1,254
Bottles and jars for perfumes, cosmetics and toilet preparations	1,288	434	1,026	35	345	140	160 (b)	209	70	102 (b)
Bottles and jars for preserved foods										
For jam, marmalade and bottled fruit	2,520	1,728	2,012	23						
For pickles, sauces, etc.	2,305	1,744	1,941	35						
For meat and fish pastes	1,413	491	807	13						
For other preserved foods	616	392	453	14						
Syphons, complete, and syphon vases sold as such	5	22	153	..						
Other descriptions (except cases for cells, accumulators, etc. and vacuum flasks and jars and similar vacuum vessels)					5,855	3,744	2,693	4,756	3,056	2,256
Containers made from tubing, other than scientific and domestic glassware	3,262	1,022	2,212	50						
Vacuum flasks and jars and similar vacuum vessels	Th. doz.		105							
Fitted	203	..	622	6						
Not fitted	127	..	25	6						

TABLE 8 (contd.)

	1948			1937			1935			
	Sales			Production			Production			
	Quantity	Value	Entries	Quantity	Value	Quantity	Value	Value		
	Th. doz.	Th. cwts.	£'000	No.	Th. gross	Th. cwts.	£'000	Th. gross	Th. cwts.	£'000
Glass stoppers and covers for containers, sold separately	28	3.8	25	7	..	7.8	10	..	10.9	15
Work done for the trade or on commission			61(c)	..			51(c)			38(c)
Repair work			61(c)	..			(c)			
Total			20,846	..			7,890			6,370
Less sales (or production) in other trades (see Table 9)			249	..			94			120
Total principal products of this trade sold or made by establishments in the trade			20,596	66			7,796			6,250

- (a) Containers made from tubing were not recorded separately for 1937 or 1935. The figures for those years shown for each class of container, therefore, include any containers made from tubing.
 (b) Described as "Perfume bottles".
 (c) Amount charged in 1948 and amount received in 1937 and 1935.

TABLE 9 - Sales (or production) of principal products of the trade by establishments classified to other trades: Larger establishments

The total values of the sales (or production) recorded by establishments classified to other trades were £249,000 in 1948, £94,000 in 1937 and £120,000 in 1935. Owing to the risk of disclosure of information relating to individual firms, separate particulars for the different classes of containers, etc. sold in 1948 cannot be given. Of the total values for 1937 and 1935, £5000 for each year relates to glass stoppers and covers for containers, and the balance to glass containers.

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

Larger establishments

TABLE 10

	1948	1937	1935
	Sales	Production	Production
	£'000	£'000	£'000
Domestic and fancy glassware	1,044	331	271
Other glassware	57	59	60
Other goods	276	15	3
Total	1,377	405	334

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	753	3.4
Wholesale or selling organisations	662	3.0
Retail shops, etc.	-	-
Total sales (or transfers) to other organisations under the same control	1,414	6.5
Sales to independent buyers		
Exports invoiced directly overseas	944	4.3
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad	383	1.8
His Majesty's Government and Local Authorities (other than productive establishments)	227	1.0
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	12,375	56.6
Wholesalers, merchants and other agents for resale	5,291(a)	24.2
Retailers, including multiple shops, caterers and N.A.A.F.I., for resale	477	2.2
Other businesses (including farmers) and institutions of all kinds	735	3.4
Members of the public, including employees	4	-
Total sales to independent buyers	20,437	93.5
Total	21,851	100.0

- (a) Of this total £4,004,000 was recorded as divided between £1,232,000 for export and £2,772,000 for other sales.

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

TABLE 12

	Production (b) (c)		Exports		Retained imports	
	Th. gross	Th. cwts.	Th. gross	Th. cwts.	Th. gross	Th. cwts.
Glass containers (other than scientific and domestic glassware)						
Milk bottles	{ 1948 1,315	1,886	11	15	-	-
	{ 1937 901	1,189	12	17	-	-
Beer, mineral water, wine, spirit and similar bottles	{ 1948 4,238	6,034	80	103	59	85
	{ 1937 3,262	4,268	74	101	110	185
Other descriptions, including containers made from tubing	{ 1948 15,650 (d)	7,605 (d)	396	306	405	193
	{ 1937 9,277 (e)	5,347 (e)	233	154	662	110
Vacuum flasks and jars and similar vacuum vessels, fitted or not	{ 1948 Th. doz. 330		Th. doz. 118		Th. doz. 85	
	{ 1937 ..		11		337	
Glass stoppers and covers for containers, sold or consigned separately	{ 1948 £'000 51		£'000 ..		£'000 -	
	{ 1937 10		1		1	

- (a) Figures of sales (or production) refer only to larger establishments in the relevant years. 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.
- (c) Including sales (or production) by establishments classified to other trades.
- (d) Partly estimated.
- (e) Including vacuum flasks and jars and similar vacuum vessels.

Purchased materials and fuel

Larger establishments

TABLE 13

	1948		1937		1935	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
Materials	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Sand						
With an iron oxide content of 0.04 per cent. or under	351.4	605				
With an iron oxide content above 0.04 per cent. and not exceeding 0.055 per cent.	27.2	41	370.8	249 (a)	309.4	210 (a)
With an iron oxide content over 0.055 per cent.	186.2	143				
Limestone	115.1	189	76.3	63	62.6	50
Soda Ash	186.9	1,330	126.8	643	106.0	551
Packing materials	Th. cu. ft.					
Wood and timber	{ 261	148				
	{ ..	195	..	230	..	(b)
Other	{ ..	825				
Felspar and other alumina-bearing materials	Th. cwts. 176.6	110				
Potassium compounds	1.4	4				
Sodium sulphate (including salt cake)	115.4	33				
Sodium nitrate	{ 33.4	34				
	{ ..	22	..	825	..	868 (c)
Borax and boric acid	33.0	49				
Manganese	33.3	34				
Arsenic	14.0	31				
Cullet	2,007.9	290				
All other purchased materials	..	2,010				

TABLE 13 (contd.)

	1948		1937		1935	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Fuel and electricity						
Coal	466.8	1,311	434.6	464	401.1	355
Coke	5.5	21	..	(b)	13.1	18
	Th. B.T.U. (kW. hrs.)		Th. B.T.U. (kW. hrs.)		Th. B.T.U. (kW. hrs.)	
Electricity purchased	169,418	596	104,703	218	78,651	171
Electricity obtained from other works under the same ownership	-	-	-	-	-	-
Motor spirit (petrol) and derv. fuel	Th. galls.		Th. galls.		Th. galls.	
Used for road vehicles	333	29	..	(b)	..	(b)
Used for other power purposes	492	16				
Other oil fuel (including creosote/pitch mixtures)	27,479	980	21,170	323(d)	17,289	261(d)
Gas purchased	Th. therms.					
From public supply	10,737	292	..	121	..	(b)
	Mill. cu. ft.					
From other sources	563	23				
	..	56				
Gas obtained from other works under the same ownership	-	-				
All other purchased fuel	..	2				
Total		9,418		3,136		2,484

(a) Recorded as:-	Th. tons	£'000	Th. tons	£'000	
White sand	{ 1937 242.0 1935 222.2	198 181	Other sand	{ 1937 128.8 1935 87.2	51 29

- (b) Not recorded separately.
- (c) Including fuel not specified separately.
- (d) 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. gross	Th. cwts.	£'000	Th. gross	Th. cwts.	£'000
Finished products						
Glass containers (other than scientific and domestic glassware)	1,080	934	709	1,160	1,037	825
	113	..	49	302	..	115
	..	..	31	..	..	46
Other finished products	..	..	37	..	..	49
Work in progress			32			45
Total finished products and work in progress			859			1,080
Materials and fuel	Th. tons			Th. tons		
Sand	88.7	144		77.2	123	
Soda ash	12.8	81		15.2	104	
Coal	32.4	81		42.2	115	
Other descriptions of materials and fuel	..	1,630		..	2,007	
Total materials and fuel		1,937			2,349	

Employment and remuneration (a)
Larger establishments

TABLE 15

	Average number of operatives			Administrative, technical and clerical employees (b)			Total		
	1948	1937	1935	1948	1937	1935	1948	1937	1935
Males									
Under 18	1,222	1,374	1,154	118	87	76	1,340	1,461	1,230
All ages	17,793	15,869	14,477	1,732	1,072	1,049	19,525	16,941	15,526
Females									
Under 18	376	868	635	78	56	52	454	924	687
All ages	3,673	2,161	1,911	773	384	328	4,446	2,545	2,239
Total									
Under 18	1,598	2,242	1,789	196	143	128	1,794	2,385	1,917
All ages	21,466	18,030	16,388	2,505(c)	1,456	1,377	23,971(c) (d) (e)	19,486	17,765
Total remuneration	£'000			£'000			£'000		
	6,452	..	..	1,157	..	..	7,609	..	..

(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	25	males	307	females
Other workers	2	males	6	females

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

(c) There was in addition, 1 male working proprietor in 1948. Working proprietors are included in the 1937 and 1935 figures.

(d) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £190,000.

(e) 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	150	
Maintenance and repair of firms' buildings, but not plant	43	
Research work not directly connected with current production however charged	-	*

* Owing to the risk of disclosure of information relating to individual firms this figure cannot be given.

In addition to the employees in the above table the firms in this trade employed a small number of female outworkers in 1948.

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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					Year
		Amount paid	Percentage of annual remuneration paid in				
			First quarter	Second quarter	Third quarter	Fourth quarter	
Wages and salaries of	£'000	£'000					
Operatives	6,452	4,198	25.0	24.5	24.6	25.9	100.0
Administrative, technical and clerical employees	1,157	832	24.2	24.6	24.1	27.2	100.0
Total	7,609	5,030	24.9	24.5	24.5	26.1	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 £46,000.

Payments for certain services, 1948

Larger establishments in Great Britain

TABLE 18

	Amount paid
	£'000
Repair and maintenance	
Of buildings	52
Of plant, machinery and vehicles	107
Unclassified	269
Hire of plant, machinery and vehicles	49
Advertising and market research	
Advertising in newspapers, magazines and periodicals	6
Other advertising services (poster display, despatch of circulars, etc.) and market research	3
Unclassified	5
Payments made for research work	
To research associations	3
To universities, institutions, academic bodies and similar agencies	5
To other commercial concerns	1
Postage, telephone, telegrams and cables	33
Commercial insurance premiums	81
Rates (excluding water rates) payable in the year	31

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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	1,306	10	49
Vehicles	69	5	5
Total	1,375	15	54

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)		150
2. Existing buildings and land (b)		
(1) Capital cost of freeholds bought	15	
Estimated capital value of		
(11) Rented property newly occupied in the year (c)	8	
(111) Leasehold buildings and land newly occupied in the year	-	
Total of heading 2		23
Total of headings 1 and 2		173
3. Existing buildings and land relinquished (d)		
(1) Selling value of freeholds sold	2	
(11) Estimated value of other properties relinquished	-	
Total of heading 3		2
4. Headings 1 and 2 less heading 3		171

- (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.

1948

Note - Owing to the risk of disclosure of information relating to individual firms, separate particulars for larger establishments in Wales cannot be given.

Summary

Larger establishments

TABLE 21

	England and Wales	Scotland	Great Britain
	£'000	£'000	£'000
Gross output (production)	19,082	1,753	20,835
Cost of materials and fuel used	8,204	801	9,005
Payment for work done on materials given out	42	4	46
Net output	10,836	948	11,784
Wages and salaries of persons employed	7,038	571	7,609
Average number of persons employed (a)	No. 22,287	No. 1,705	No. 23,972
Net output per person employed (a)	£ 487	£ 556	£ 492
Stocks at end of year	£'000	£'000	£'000
Finished products and work in progress	898	182	1,080
Materials and fuel	2,151	199	2,349
Number of establishments	No. 63	No. 7	No. 70

(a) Excluding outworkers.

The values of gross output and of 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)	20,192	1,781	21,973
Adjustment for changes in stocks and work in progress	+ 157	+ 64	+ 221
Less payment for transport by other firms	(20,348)	1,846	22,194
Gross output (production)	19,082	1,753	20,835
Materials and fuel used by firms in this trade			
Purchases (see Table 24)	8,578	840	9,418
Adjustment for changes in stocks	- 373	- 39	- 412
Materials and fuel used	8,204	801	9,005

TABLE 22 - Summary: Small firms

See Table 2. The particulars given in that table relate to England only.

Sales in the trade
Larger establishments

TABLE 23

	England and Wales		Scotland		Great Britain		
	Quantity	Value	Quantity	Value	Quantity		Value
	Th. gross	£'000	Th. gross	£'000	Th. gross	Th. cwts.	£'000
Principal products							
Glass containers (other than scientific and domestic glassware, and containers made from tubing)							
Milk bottles	..	(a)	..	(a)	1,315	1,886	2,178
Beer bottles	{ 1,244 Th. cwts. 1,602	{ 1,561	{ 470 Th. cwts. 567	{ 462	1,714	2,169	2,023
Mineral water bottles					1,141	1,660	1,529
Wine, spirit and similar bottles	..	(a)	..	(a)	1,383	2,205	2,280
Bottles and jars for preserved foods							
For jam, marmalade and bottled fruit	..	(a)	..	(a)	2,520	1,728	2,012
For pickles, sauces, etc.	{ Th. gross 2,227 Th. cwts. 1,643	{ 1,852	{ Th. gross 78 Th. cwts. 101	{ 89	2,305	1,744	1,941
For meat and fish pastes	{ Th. gross 1,413 Th. cwts. 491	{ 807	-	-	1,413	491	807
For other preserved foods	..	(a)	..	(a)	616	392	453
Syphons, complete, and syphon vases sold as such	{ Th. gross 5 Th. cwts. 22	{ 153	-	-	5	22	153

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
		£'000		£'000		£'000
Principal products (contd.)						
Glass containers (other than scientific and domestic glassware, and containers made from tubing) (contd.)						
Bottles and jars for perfumes, cosmetics and toilet preparations			-	-		
Other descriptions (including bottles and jars for chemicals, drugs, medicines and medicinal preparations), except cases for cells, accumulators, etc.			..	217		
Containers made from tubing other than scientific and domestic glassware	..	6,882			..	7,099
Vacuum flasks and jars and similar vacuum vessels, fitted or not			-	-		
Glass stoppers and covers for containers, sold separately			-	-		
Work done for the trade or on commission						61(b)
Repair work		(a)		(a)		61(b)
Total principal products		18,818		1,778		20,596
Other output						
Domestic and fancy glassware	..	1,044	-	-	..	1,044
Other glassware	..	57	-	-	..	57
Other goods	..	273	..	3	..	276
Total		20,192		1,781		21,973

(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. tons	£'000	Th. tons	£'000	Th. tons	£'000
Materials						
Sand						
With an iron oxide content of 0.04 per cwt. or under					351.4	605
With an iron oxide content above 0.04 per cent. and not exceeding 0.055 per cent.	499.1	702	65.7	87	27.2	41
With an iron oxide content over 0.055 per cent.					186.2	143
Limestone	101.6	164	13.5	26	115.1	189
Soda ash	166.4	1,165	20.5	164	186.9	1,330
Packing materials						
Wood and timber	Th. cu. ft. 195	106	Th. cu. ft. 66	42	Th. cu. ft. 261	148
Other	..	186	..	10	..	195
Other	..	813	..	11	..	825
Felspar and other alumina-bearing materials	Th. cwts. ..	(a)	Th. cwts. ..	(a)	Th. cwts. 176.6	110
Potassium compounds	1.4	4	-	-	1.4	4
Sodium sulphate (including salt cake)	97.4	28	18.0	5	115.4	33
Sodium nitrate	..	(a)	..	(a)	33.4	34
Borax and boric acid	..	(a)	..	(a)	..	22
Borax and boric acid	..	(a)	..	(a)	33.0	49
Manganese	19.1	19	14.2	15	33.3	34
Arsenic	..	(a)	..	(a)	14.0	31
Cullet	1,728.0	262	279.9	28	2,007.9	290
All other purchased materials	..	1,845	..	165	..	2,010

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Fuel and electricity						
Coal	408.1	1,156	58.7	154	466.8	1,311
Coke	..	(a)	..	(a)	5.5	21
Electricity purchased	Th. B. T. U. (kW. hrs.) 154,935	547	Th. B. T. U. (kW. hrs.) 14,483	49	Th. B. T. U. (kW. hrs.) 169,418	596
Electricity obtained from other works under the same ownership	-	-	-	-	-	-
Motor spirit (petrol) and derv. fuel	Th. galls. 312	27	Th. galls. 20	2	Th. galls. 333	29
Used for road vehicles	..	(a)	..	(a)	492	16
Used for other power purposes	..	(a)	..	(a)	492	16
Other oil fuel (including creosote/pitch mixtures)	26,622	947	857	33	27,479	980
Gas purchased	Th. therms 9,996	270	Th. therms 741	22	Th. therms 10,737	292
From public supply	Mill. cu. ft. 563	23	-	-	Mill. cu. ft. 563	23
From other sources	..	56	-	-	..	56
Gas obtained from other works under the same ownership	-	-	-	-	-	-
All other purchased fuel	..	2	..	-	..	2
Total		8,578		840		9,418

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

Employment and remuneration
Larger establishments

TABLE 25

	England and Wales			Scotland			Great Britain		
	Average number of operatives	Administrative, technical and clerical employees (a)	Total	Average number of operatives	Administrative, technical and clerical employees (a)	Total	Average number of operatives	Administrative, technical and clerical employees (a)	Total
Males									
Under 18	1,131	114	1,245	91	4	95	1,222	118	1,340
All ages	16,420	1,570	17,990	1,373	162	1,535	17,793	1,732	19,525
Females									
Under 18	366	70	436	10	8	18	376	78	454
All ages	3,562	714	4,276	111	59	170	3,873	773	4,646
Total									
Under 18	1,497	184	1,681	101	12	113	1,598	196	1,794
All ages	19,982	2,284(b)	22,266 (b) (c)	1,484	221	1,705 (c)	21,466	2,505(b)	23,971 (b) (c)
Total remuneration	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
	5,994	1,044	7,038	458	113	571	6,452	1,157	7,609

(a) Number at September 25, 1948.

(b) There was, in addition, 1 male working proprietor.

(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 £190,000; £176,000 for England and Wales and £14,000 for Scotland.

In addition to the employees in the above table the firms in England and Wales in this trade employed a small number of female outworkers.

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	99.3	97.9	99.2	August	100.6	101.1	100.7
February	98.9	99.5	98.9	September	100.6	101.6	100.7
March	98.7	100.0	98.8	October	100.3	103.5	100.6
April	99.5	100.1	99.6	November	99.8	102.0	100.0
May	100.0	98.9	99.9	December	100.0	96.6	99.7
June	100.9	98.9	100.7	Percentage employment in this trade covered by the index	65.8	73.8	66.4
July	101.3	99.9	101.2				

(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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