



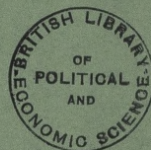
BOARD OF TRADE

FINAL REPORT  
on the  
CENSUS OF PRODUCTION  
FOR 1948

Volume 9

Trade I

Brewing and Malting



*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

BREWING AND MALTING TRADES

THIS REPORT on the Brewing and Malting Trades relates to establishments engaged wholly or mainly in the brewing of ale, stout, porter and other beer, and the manufacture of malt.

These trades correspond to minimum list heading 163 in the Standard Industrial Classification.

Any establishments in these trades in Northern Ireland are excluded in 1948. Owing to the risk of disclosure of information relating to individual firms, separate particulars of the very small output in Northern Ireland were not published for 1935.

These trades were not covered in 1937 but details of the production of malt in that year were collected and these are shown in Table 7.



FOOD, DRINK AND TOBACCO  
BREWING AND MALTING TRADES

Summary  
Larger establishments

TABLE 1

	1948 (a)	1935 (b)
Gross output (production)	£'000 465,390	£'000 122,400
Cost of materials and fuel used	78,534	22,976
Payment for work done on materials given out	415	114
Customs and Excise duties		
On beer brewed (net)	289,979 (c)	55,300 (d)
On deliveries for home consumption of spirits, wines and soft drinks	5,645	(e)
Net output	90,816	44,010
Wages and salaries of persons employed	24,046 No.	.. No.
Average number of persons employed (f)	71,069 (g)	55,809
Net output per person employed (f)	1,278	789
Stocks at end of year	£'000	£'000
Finished products and work in progress	20,258	..
Materials and fuel	20,100 No.	.. No.
Number of establishments	695	592

- (a) Great Britain only.  
 (b) United Kingdom.  
 (c) The amount of drawback receivable in respect of beer brewed or purchased and bottled, and exported, deposited, etc., in 1948 was £2,949,000. The amount of allowance receivable for beer spoilt and returned by customers was £237,000. Similar information is not available for 1935.  
 (d) Estimated.  
 (e) Included in cost of materials.  
 (f) Excluding outworkers.  
 (g) For an estimate of the total number of persons employed in these trades see Table 3.

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

	1948	1935
Output of firms in these trades	£'000	£'000
Total value of sales (1948) or production (1935)		
Principal products (see Table 8)	438,912	115,959
Other output (see Table 10)	26,691	6,441
Adjustment for changes in stocks and work in progress (see Table 14)	+ 3,082	..
Less payment for transport by other firms	468,684 3,294	122,400
Gross output (production)	465,390	122,400
Materials and fuel used by firms in these trades		
Purchases (see Table 13)	81,450	22,976
Adjustment for changes in stocks (see Table 14)	- 2,916	
Materials and fuel used	78,534	22,976

Summary, 1948  
Small firms in Great Britain

TABLE 2

Number of returns	112
Average number of persons employed (a)	
Males	512
Females	56
Total	568

(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)	71,069
Employing on average ten persons or less (b)	568
	71,637
Estimated average employment in firms not making satisfactory returns	309
Estimated average employment in all firms	71,946

- (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	
11-24	No. 230	£'000 15,397	£'000 3,390	No. 3,426	£'000 850	£'000 309	£'000 1,161	£ 990
25-49	144	26,240	5,878	5,247	1,152	566	1,718	1,120
50-99	128	58,847	11,746	8,908	1,925	1,055	2,979	1,319
100-199	102	91,605	18,583	14,480	3,157	1,674	4,831	1,283
200-299	39	61,256	12,305	9,618	2,055	1,099	3,154	1,279
300-399	25	63,304	11,848	8,617	1,968	925	2,893	1,375
400-499	8	26,555	4,888	3,456	798	385	1,183	1,414
500-749	7	31,024	5,383	4,695	1,190	418	1,609	1,147
750-999	7	38,436	7,510	6,123	1,469	567	2,036	1,227
1,000 and over	5	52,727	9,283	6,499	1,567	915	2,482	1,428
Total	695	465,390	90,816	71,069	16,132	7,914	24,046	1,278



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								
Northern	40	18,889	4,073	4.5	2,782	574	270	844
East and West Ridings of Yorkshire	89	43,549	8,777	9.7	7,351	1,672	769	2,442
North Midland	76	30,124	6,331	7.0	5,056	1,148	568	1,716
Eastern	130	32,928	7,060	7.8	6,854	1,603	628	2,231
London and South Eastern	59	103,857	19,851	21.9	14,184	3,513	1,773	5,285
Southern	38	23,134	5,161	5.7	3,860	792	430	1,223
South Western	50	21,821	4,836	5.1	3,731	756	474	1,230
Midland	69	85,947	13,564	14.9	10,976	2,562	1,173	3,735
North Western	61	54,573	11,473	12.6	7,578	1,614	880	2,494
Total England	612	414,622	80,927	89.1	62,372	14,235	6,966	21,200
Wales	29	13,997	2,999	3.3	2,090	441	247	688
Scotland	54	36,772	6,890	7.6	6,607	1,456	701	2,157
Great Britain	695	465,390	90,816	100.0	71,069	16,132	7,914	24,046

Analysis according to specialisation within these trades, 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	£
Specialists engaged in									
Brewing but not malting	261	243,825	227,628	47,739	33,367	7,609	3,982	11,591	1,432
Malting (including commission malting)	239	20,930	20,278	4,878	5,658	1,511	467	1,978	862
Brewing and malting	195	200,635		38,199	32,044	7,012	3,465	10,477	1,192
Total	695	465,390		90,816	71,069	16,132	7,914	24,046	1,278

Total make of intermediate products  
Larger establishments

No Inquiry was taken in 1937 for the Brewing and Malting Trades. However, information regarding the production of malt was collected in 1937 as well as in 1935.

TABLE 7

	Returned in these trades				Returned in all trades			
	1948 (a)		1937 (b)	1935 (b)	1948 (a)		1937 (b)	1935 (b)
	Quantity	Entries	Quantity		Quantity	Entries	Quantity	
	Th. cwts.	No.	Th. cwts.	Th. cwts.	Th. cwts.	No.	Th. cwts.	Th. cwts.
Malt (c)	11,468	238	..	9,159	13,063	320	11,665	10,368

(a) Great Britain only.

(b) United Kingdom.

(c) The following are the purposes for which the malt output in the Brewing and Malting Trades (1948) and in all trades (1937 and 1935) was used. The figures relate to deliveries of malt in the relevant years. For 1948, information about the purposes for which malt output was used was not collected for trades other than the Brewing and Malting Trades. In the Spirit Distilling Trade, however, of a total quantity of 1,522,000 cwts. of malt made about 150,000 cwts. was sold.

	1948 Th. cwts.	1937 Th. cwts.	1935 Th. cwts.
Malt delivered for use in			
Brewing	9,336	9,005	8,636
Distilling	714	1,793	1,019
Manufacturing vinegar	188	116	129
Manufacturing malt extracts and human food preparations	805	608	575
Other purposes (including deliveries to other maltsters)	201	158	190
Total	11,244	11,680	10,549



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

## Larger establishments

Values are inclusive of duty if sold duty-paid, and exclusive of duty if sold in bond or exported.

TABLE 8

	1948 (a) Sales			1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value
	Th. bulk barrels of 36 galls.	£'000	No.	Th. bulk barrels of 36 galls.	£'000
Beer (including ale, stout, porter, etc., but excluding black beer) brewed (c)					
For home consumption					
Bottled	3,918	64,573	324	} 21,742	109,715
Other	25,138	349,779	335		
For export					
Bottled	108	1,150	20	} 134	483
Other	132	1,590	24		
Malt	Th. cwts. 8,323	20,695	123	Th. cwts. 5,533	4,770
Malt flour	71	229	12	53	70
Grains	{ 7,054 ..	{ 404 108	} 371	} ..	557
Malt commings and other offals, including barley screenings	..	378			
Work done for these trades or on commission (d)					
Malting		281	37		129
Other (excluding repairs to casks)		129	13		(e)
Total		439,315	..		116,029
Less sales (or production) in other trades (see Table 9)		403	..		70
Total principal products of these trades sold or made by establishments in these trades		438,912	488		115,959

- (a) Great Britain only.  
 (b) United Kingdom.  
 (c) The figures shown for 1935 include black beer. For particulars of sales of this beer in 1948 see the Soft Drinks, British Wines and Cider Trade (Volume 9, Trade M).  
 (d) Amount charged in 1948 and amount received in 1935.  
 (e) Not recorded separately.

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

## Larger establishments

TABLE 9

	1948 (a) Sales			1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value
	Th. cwts.	£'000	No.	Th. bulk barrels of 36 galls.	£'000
Beer (including ale, stout, porter, etc., but excluding black beer) brewed for home consumption	-	-	-	-	6
Malt and malt flour	Th. cwts. 167	403	16	Th. cwts. 33	33
Grains	-	-	-	..	31
Malt commings and other offals, including barley screenings	-	-	-	..	31
Total		403	..		70

(a) Great Britain only.

(b) United Kingdom.



## Sales (or production) in these trades of other than principal products

## Larger establishments

TABLE 10

	1948 (a) Sales (c)		1935 (b) Production	
	Quantity	Value	Quantity	Value
	Th. cwts.	£'000		£'000
Yeast	364	125	..	11
Soft drinks	..	27		
	Th. galls.		Th. galls.	
Fruit juices	47	17	12	3
Soda water	237	42	2,408	292
Other table waters, including non-alcoholic drinks, brewed	1,794	353		
Other and unclassified soft drinks	657	151		
Liquors purchased and bottled				
Beer (including ale, stout, porter, etc.)	22,475	15,200	11,444	3,318
	Th. proof galls.			
Spirits	601	7,161	487	1,666
	..	654		
	Th. galls.			
Wine, imported	597	2,328	580	492
British Wines (Sweets)	36	76		
Cider and perry	904	228	699	78
Other and unclassified liquors, and soft drinks	27	26	..	37
	..	3		
	Hundreds			
Casks (including casks re-made, re-conditioned, etc., and sold)	120	69	..	504
Other goods	..	191	..	40
Work done (repairs to casks)		38(d)		-
Total		26,691		6,441

(a) Great Britain only.

(b) United Kingdom.

(c) In addition, the larger establishments in these trades recorded a total quantity of 28,400 casks made in the year either for their own use or for sale.

(d) Amount charged.

## 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	37,154	8.0
Export sales organisations (including branches abroad)	1,003	0.2
Other wholesale or selling organisations	16,242	3.5
Retail shops, etc.	172,405	37.1
Total sales (or transfers) to other organisations under the same control	226,804	48.8
Sales to independent buyers		
Exports invoiced directly overseas	2,501	0.5
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad	405	0.1
His Majesty's Government and Local Authorities (other than productive establishments)	30	-
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	37,546	8.1
Wholesalers, merchants and other agents for resale	15,004(a)	3.2
Retailers, including multiple shops, caterers and N.A.A.F.I., for resale	176,889	38.0
Other businesses (including farmers) and institutions of all kinds	2,911	0.6
Members of the public, including employees	3,066	0.7
Total sales to independent buyers	238,352	51.2
Total	465,155	100.0

(a) Of this total £6,835,000 was recorded as divided between £532,000 for export and £6,303,000 for other sales.

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

TABLE 12

		Production (b)	Exports	Retained imports
		Th. bulk barrels of 36 galls.	Th. bulk barrels of 36 galls.	Th. bulk barrels of 36 galls.
Beer (including ale, stout, porter, etc.)	(1948)	29,296 (c)	205	883
	(1935)	21,961 (d) (e)	232	1,393
Malt		Th. cwts.	Th. cwts.	Th. cwts.
	{ 1948	13,063	281	-
	{ 1937	11,665	169	50
	{ 1935	10,368	309	23

(a) Figures of sales (or production) refer only to larger establishments in Great Britain (1948) or in the United Kingdom (1935). All recorded exports from and imports into the United Kingdom are given in the table. The figures, therefore, are not strictly comparable.

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

(c) Sales.

(d) Production for sale.

(e) Partly estimated.



Purchased materials and fuel  
Larger establishments

TABLE 13

	1948 (a)		1935 (b)	
	Materials and fuel purchased		Usage of purchased materials and fuel	
	Quantity	Cost	Quantity	Cost
Materials	Th. cwts.	£'000	Th. cwts.	£'000
Malt	6,522	16,565	5,705	5,240
Flaked barley	570	1,022		
Grain for malting				
Home-grown barley	15,480	22,175		
Other grain for malting	19	21		
Other cereals	158	317		
Sugar	986	3,142		
Glucose, saccharum and syrup (excluding malt extract syrup)	368	1,149		
Malt extract syrup	180	781		
Hops	257	6,454		
Gypsum and burtonisers	45	55		
	..	35		
Finings	106	186		
	..	188		
Water	Mill. galls. 6,556	286		
Liquors purchased for bottling	Th. bulk barrels of 36 galls.			
Beer (including ale, stout, porter, etc.)	641	11,919		
	Th. proof galls. 1,092	2,866		
Spirits	Th. galls. 664	1,004		
Wine, imported				
Cider and perry	858	145		
Other liquors, and soft drinks	215	144		
Net amount of duty payable (d)		5,645		

TABLE 13 (contd.)

	1948 (a)		1935 (b)	
	Materials and fuel purchased		Usage of purchased materials and fuel	
	Quantity	Cost	Quantity	Cost
		£'000		£'000
Materials (contd.)				
Packing materials				
New bottles	Th. gross			
Beer bottles	758	939		
Other bottles	48	76		
New casks	Hundreds 894	1,174		
Sacks	Th. doz. 41	98		
Closures of all kinds (e.g., bungs, crowns, corks)	..	1,164		
Hardwood for the manufacture or re-conditioning of casks, cases, etc.	..	1,064		
Other packing materials	..	999		
Caustic soda	Th. cwts. 29	37		
	..	7		
Preservatives	32	39		
	..	11		
All other purchased materials	..	3,298		
Fuel and electricity	Th. tons		Th. tons	
Coal	685.8	2,128	711.0	874
Coke	69.6	297	34.0	50
	Th. B. T. U. (kW. hrs.) 107,680	547	Th. B. T. U. (kW. hrs.) 60,146	249
Electricity purchased (e)				
Electricity obtained from other works under the same ownership	-	-	-	-
Motor spirit (petrol) and derv. fuel	Th. galls. 4,997	450		
Used for road vehicles				
Used for other power purposes	378	17		



TABLE 13 (contd.)

	1948 (a)		1935 (b)	
	Materials and fuel purchased		Usage of purchased materials and fuel	
	Quantity	Cost	Quantity	Cost
	Th. galls.	£'000	Th. galls.	£'000
Fuel and electricity (contd.)				
Other oil fuel (including creosote/pitch mixtures)	15,790	565	3,522	57 (g)
Gas purchased	Th. therms 2,025 Th. cu. ft. 2,955	70 1	}	(f)
Gas obtained from other works under the same ownership	-	-		
All other purchased fuel	..	13		
Total, excluding duty on liquors bottled in bond		81,450		22,976
Net amount of duty payable (d)		5,645		

(a) Great Britain only.

(b) United Kingdom.

(c) Including fuel not specified separately.

(d) For 1948, liquors purchased in bond were recorded at their duty-free values. For 1935 duty was included in the cost of materials but in the case of liquors purchased and bottled and subsequently exported, drawbacks were deducted. The "Net amount of duty payable" for 1948 is the sum recorded as duty on deliveries for home consumption of liquors bottled in bond.

(e) The total quantity of electricity consumed in 1948 was 121,133,000 B.T. units, including 13,453,000 generated in the same works.

(f) Not recorded separately.

(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. galls.	£'000	Th. galls.	£'000
Finished products				
Beer				
Held in bond	1,685	125	1,730	149
Held out of bond	33,401	9,647	33,004	11,573
Malt	Th. cwts. 2,209	4,684	Th. cwts. 2,444	5,437
Spirits, bottled	Th. proof galls.		Th. proof galls.	
Held in bond	187 ..	91 18	219 ..	126 17
Held out of bond	67 ..	546 123	61 ..	575 99
Other finished products				
Held in bond	..	40	..	66
Held out of bond	..	453	..	587
Work in progress		1,450		1,629
Total finished products and work in progress		17,177		20,258
Materials and fuel	Th. cwts.		Th. cwts.	
Barley for malting	3,878	5,269	4,113	6,167
Malt purchased as such	559	1,245	585	1,479
Liquors purchased for bottling				
Held in bond	..	1,434	..	1,798
Held out of bond	..	844	..	977
Other descriptions of materials and fuel	..	8,293	..	9,680
Total materials and fuel		17,185		20,100



## Employment and remuneration (a)

## Larger establishments

TABLE 15

	Average number of operatives		Administrative, technical and clerical employees (b)		Total	
	1948(c)	1935(d)	1948(c)	1935(d)	1948(c)	1935(d)
Males						
Under 18	1,931	1,915	450	538	2,381	2,453
All ages	49,121	40,589	11,384	10,628	60,505	51,217
Females						
Under 18	915	360	474	88	1,389	448
All ages	7,500	3,357	3,029	1,235	10,529	4,592
Total						
Under 18	2,846	2,275	924	626	3,770	2,901
All ages	56,621	43,946	14,413(e)	11,863	71,034 (e)(f)(g)	55,809
Total remuneration	£'000 16,132	..	£'000 7,914	..	£'000 24,046	..

(a) Excluded employees. The following numbers were employed at establishments in these trades 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	46 males	427 females
Other workers	2,926 males	346 females

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

(c) Great Britain only.

(d) United Kingdom.

(e) There were, in addition, 35 working proprietors (34 males and 1 female) in 1948. Working proprietors are included in the 1935 figures.

(f) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £549,000.

(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	5,573	
Maintenance and repair of firms' buildings, but not plant	1,512	
Research work not directly connected with current production however charged	-	9

In addition to the employees in the above table the firms in these trades employed 28 male and 12 female outworkers in 1948, the amount paid to them being £3,000. Similar information is not available for 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	16,132	3,437	23.6	24.5	25.4	26.4	100.0
Administrative, technical and clerical employees	7,914	1,597	24.6	24.6	24.0	26.8	100.0
Total	24,046	5,035	24.0	24.5	25.0	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 £415,000.



Payments for certain services, 1948  
Larger establishments in Great Britain

TABLE 18

	Amount paid
	£'000
Repair and maintenance	
Of buildings	1,192
Of plant, machinery and vehicles	1,612
Unclassified	1,426
Hire of plant, machinery and vehicles	275
Advertising and market research	
Advertising in newspapers, magazines and periodicals	202
Other advertising services (poster display, despatch of circulars, etc.) and market research	403
Unclassified	433
Payments made for research work	
To research associations	11
To universities, institutions, academic bodies and similar agencies	8
To other commercial concerns	15
Postage, telephone, telegrams and cables	271
Commercial insurance premiums	592
Rates (excluding water rates) payable in the year	269

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	4,165	41	118
Vehicles	1,004	135	105
Total	5,169	176	223

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)		996
2. Existing buildings and land (b)		
(1) Capital cost of freeholds bought	208	
Estimated capital value of		
(11) Rented property newly occupied in the year (c)	17	
(111) Leasehold buildings and land newly occupied in the year	83	
Total of heading 2		308
Total of headings 1 and 2		1,304
3. Existing buildings and land relinquished (d)		
(1) Selling value of freeholds sold	23	
(11) Estimated value of other properties relinquished	65	
Total of heading 3		87
4. Headings 1 and 2 less heading 3		1,217

(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.



FOOD, DRINK AND TOBACCO COUNTRY TABLES  
 BREWING AND MALTING TRADES

1948  
 Summary

## Larger establishments

TABLE 21

	England	Wales	Scotland	Great Britain
Gross output (production)-	£'000 414,622	£'000 13,997	£'000 36,772	£'000 465,390
Cost of materials and fuel used	70,716	2,139	5,679	78,534
Payment for work done on materials given out	340	-	75	415
Customs and excise duties				
On beer brewed (net)	257,027	8,824	24,128	289,979
On deliveries for home consumption of spirits, wines and soft drinks	5,611	34	-	5,645
Net output	80,927	2,999	6,890	90,816
Wages and salaries of persons employed	21,200 No.	688 No.	2,157 No.	24,046 No.
Average number of persons employed (a)	62,372 £	2,090 £	6,607 £	71,069 £
Net output per person employed (a)	1,297 £'000	1,435 £'000	1,043 £'000	1,278 £'000
Stocks at end of year				
Finished products and work in progress	17,413	480	2,366	20,258
Materials and fuel	17,834 No.	398 No.	1,869 No.	20,100 No.
Number of establishments	612	29	54	695

(a) Excluding outworkers.

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

	England	Wales	Scotland	Great Britain
Output of firms in these trades	£'000	£'000	£'000	£'000
Total value of sales (see Table 23)	414,771	13,956	36,876	465,603
Adjustment for changes in stocks and work in progress	+ 2,921	+ 48	+ 114	+ 3,082
	417,691	14,004	36,990	468,684
Less payment for transport by other firms	3,069	7	218	3,294
Gross output (production)	414,622	13,997	36,772	465,390
Materials and fuel used by firms in these trades				
Purchases (see Table 24)	73,270	2,197	5,982	81,450
Adjustment for changes in stocks	- 2,554	- 58	- 303	- 2,916
Materials and fuel used	70,716	2,139	5,679	78,534

Summary  
 Small firms

TABLE 22

	England	Wales	Scotland	Great Britain
Number of returns	101	4	7	112
Average number of persons employed (a)				
Males	450	14	48	512
Females	52	1	3	56
Total	502	15	51	568

(a) Including working proprietors.

Sales in these trades  
 Larger establishments

TABLE 23

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
Principal products	Th. bulk barrels of 36 galls.	£'000	Th. bulk barrels of 36 galls.	£'000	Th. bulk barrels of 36 galls.	£'000
Beer (including ale, stout, porter, etc., but excluding black beer) brewed						
For home consumption		59,698				
Bottled	3,671	59,698	248	4,875	3,918	64,573
Other	23,057	322,051	2,081	27,728	25,138	349,779
For export						
Bottled	12	152	96	998	108	1,150
Other	84	697	48	894	132	1,590
Malt and malt flour	Th. cwts.		Th. cwts.		Th. cwts.	
Malt and malt flour	7,387	18,397	839	2,123	8,226	20,520
Grains	6,463 ..	383 101	592 ..	21 7	7,054 ..	404 108
Malt commings and other offals, including barley screenings	..	353	..	25	..	378
Work done for these trades or on commission (b)						
Malting		214		67		281
Other (excluding repairs to casks)		129		-		129
Total principal products		402,175		36,737		438,912



TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
Other output	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Yeast	316	97	48	27	364	125
	..	9	..	18	..	27
Soft drinks	Th. galls.				Th. galls.	
Fruit juices	47	17	-	-	47	17
Soda water	..	(a)	..	(a)	237	42
Other table waters, including non-alcoholic drinks, brewed	..	(a)	..	(a)	1,794	353
Other and unclassified soft drinks	657	151	-	-	657	151
Liquors purchased and bottled						
Beer (including ale, stout, porter, etc.)	..	(a)	..	(a)	22,475	15,200
	Th. proof galls.				Th. proof galls.	
Spirits	601	7,161	-	-	601	7,161
	..	654	..	..	..	654
	Th. galls.				Th. galls.	
Wines, imported	597	2,328	-	-	597	2,328
British Wines (Sweets)	..	(a)	..	(a)	36	76
Cider and perry	..	(a)	..	(a)	904	228
Other and unclassified liquors, and soft drinks	27	26	-	-	27	26
	..	3	..	..	..	3
					Hundreds	
Casks (including casks re-made, re-conditioned, etc., and sold)	..	(a)	..	(a)	120	69
Other goods	..	176	..	15	..	191
Work done (repairs to casks) (b)		(a)		(a)		38
Total		428,727		36,876		465,603

(a) Owing to the risk of disclosure of information relating to individual firms, separate figures 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						
Malt	6,351	16,121	170	444	6,522	16,565
Flaked barley	441	777	129	245	570	1,022
Grain for malting						
Home-grown barley	13,446	19,161	2,035	3,015	15,480	22,175
Other grain for malting	..	(a)	..	(a)	19	21
Other cereals	..	(a)	..	(a)	158	317
Sugar	941	2,993	45	149	986	3,142
Glucose, saccharum and syrup (excluding malt extract syrup)	348	1,084	20	64	368	1,149
Malt extract syrup	170	736	10	45	180	781
Hops	238	5,956	19	498	257	6,454
Gypsum and burtonisers	40	50	5	5	45	55
	..	33	..	2	..	35
Finings	104	179	3	8	106	186
	..	178	..	10	..	188
Water	Mill. galls. 5,801	262	Mill. galls. 755	23	Mill. galls. 6,556	286
Liquors purchased for bottling					Th. bulk barrels of 36 galls.	
Beer (including ale, stout, porter, etc.)	..	(a)	..	(a)	641	11,919
Spirits	Th. proof galls. 1,092	2,866	-	-	Th. proof galls. 1,092	2,866
Wine, imported	Th. galls. 664	1,004	-	-	Th. galls. 664	1,004
Cider and perry	..	(a)	..	(a)	858	145
Other liquors, including soft drinks	..	(a)	..	(a)	215	144
Net amount of duty payable (b)		5,645	-	-		5,645
Packing materials	Th. gross		Th. gross		Th. gross	
New bottles						
Beer Bottles	518	703	240	236	758	939
Other bottles	..	(a)	..	(a)	48	76
New casks	Hundreds 776	987	Hundreds 119	187	Hundreds 894	1,174
Sacks	Th. doz. 36	88	Th. doz. 5	10	Th. doz. 41	98



TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th.cwts.	£'000	Th.cwts.	£'000	Th.cwts.	£'000
Materials (contd.)						
Packing materials (contd.)						
Closures of all kinds (e.g., bungs, crowns, corks)	..	1,069	..	95	..	1,164
Hardwood for the manufacture or re-conditioning of corks, cases, etc.	..	996	..	68	..	1,064
Other packing materials	..	793	..	206	..	999
Caustic soda	27	33	2	4	29	37
	..	5	..	2	..	7
Preservatives	23	34	9	5	32	39
	..	10	..	-	..	11
All other purchased materials	..	3,051	..	247	..	3,298
Fuel and electricity	Th.tons		Th.tons		Th.tons	
Coal	591.2	1,880	94.6	248	685.8	2,128
Coke	64.6	272	5.0	25	69.6	297
Electricity purchased	Th. B. T. U. (kW. hrs.)	500	Th. B. T. U. (kW. hrs.)	47	Th. B. T. U. (kW. hrs.)	547
	98,029		9,651		107,680	
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	4,634	418	363	32	4,997	450
Used for other power purposes	361	16	17	1	378	17
Other oil fuel (including creosote/pitch mixtures)	15,768	564	22	1	15,790	565
Gas purchased	Th.therms	67	Th.therms	3	Th.therms	70
	1,917		107		2,025	
	Th.cu.ft.	1	Th.cu.ft.	-	Th.cu.ft.	1
	2,085		870		2,955	
Gas obtained from other works under the same ownership	-	-	-	-	-	-
All other purchased fuel	..	9	..	3	..	13
Total, excluding duty on liquors bottled in bond		75,467		5,982		81,450
Net amount of duty payable (b)		5,645		-		5,645

- (a) Owing to the risk of disclosure of information relating to individual firms, separate figures cannot be given.  
 (b) Net amount of duty payable on deliveries for home consumption of liquors bottled in bond.

## 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	1,665	421	2,086	266	29	295	1,931	450	2,381
All ages	14,467	10,418	54,885	4,654	966	5,620	49,121	11,384	60,505
Females									
Under 18	713	416	1,129	202	58	260	915	474	1,389
All ages	6,861	2,684	9,545	639	345	984	7,500	3,029	10,529
Totals									
Under 18	2,378	837	3,215	468	87	555	2,846	924	3,770
All ages	51,328	13,102 (b)	64,430 (b) (c)	5,293	1,311 (b)	6,604 (b) (c)	56,621	14,413 (b)	71,034 (b) (c)
	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Total remuneration	14,676	7,213	21,889	1,458	701	2,157	16,132	7,914	24,046

(a) Number at September 25, 1948.

(b) There were, in addition 35 working proprietors (34 males and 1 female) in Great Britain; 31 males and 1 female in England and Wales, and 3 males in Scotland.

(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 £549,000: £498,000 for England and Wales, and £51,000 for Scotland.

In addition to the employees in the above table the firms in these trades 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	28	12	40	£'000
Scotland	-	-	-	-
Great Britain	28	12	40	3



## 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	98.9	99.3	99.0	August	100.8	101.3	100.9
February	99.6	99.1	99.6	September	100.8	102.3	100.9
March	99.5	98.1	99.4	October	100.3	102.5	100.5
April	100.1	98.1	99.9	November	99.8	101.1	99.9
May	100.2	99.3	100.1	December	100.3	100.0	100.2
June	100.1	98.9	100.0	Percentage employ- ment in these trades covered by the index	20.6	20.3	20.5
July	99.6	99.7	99.6				

(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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