



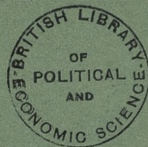
BOARD OF TRADE

FINAL REPORT
on the
CENSUS OF PRODUCTION
FOR 1948

Volume 8

Trade H

ICE CREAM



*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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TWO SHILLINGS NET

In interpreting the data in the following tables, it is essential to bear in mind not only the qualifications mentioned in this report but also the general explanations and qualifications contained in the separate booklet published in this series by H.M. Stationery Office entitled "Final Reports of the Census of Production for 1948: Introductory Notes", price 2s 0d. NET

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* Not applicable to this trade

ICE CREAM TRADE

THIS REPORT on the Ice Cream Trade relates to establishments engaged wholly or mainly in the manufacture of ice cream.

This trade corresponds to minimum list heading 154(2) in the Standard Industrial Classification.

For the purpose of distinguishing the larger establishments (employing more than ten persons on the average during the year) from the small firms, shop assistants and operatives (e.g., roundsmen) who were not employed in the manufacture of ice cream or in the bake-house were not taken into account for 1948, although they were for 1935 when separate information about them was not available. These shop assistants and operatives are, however, included in the employment and remuneration figures of the larger establishments for both years.

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

FOOD, DRINK AND TOBACCO
ICE CREAM TRADE
Summary
Larger establishments (a)

TABLE 1

	1948	1935
	£'000	£'000
Gross output (production)	4,070	1,761
Cost of materials and fuel used	1,841	455
Payment for work done on materials given out	-	..
Net output	2,229	1,306
Wages and salaries of persons employed	551	..
	No.	No.
Average number of persons employed	2,148(b)	4,127
	£	£
Net output per person employed	1,038	316
	£'000	£'000
Stocks at end of year		
Finished products and work in progress	82	..
Materials and fuel	549	..
	No.	No.
Number of establishments	37	22

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

(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	1935
	£'000	£'000
Output of firms in this trade		
Total value of sales (1948) or production (1935)		
Principal products (see Table 8)	3,926	1,751
Other output (see Table 10)	115	10
Adjustment for changes in stocks and work in progress (see Table 14)	+ 31	
	4,072	1,761
Less payment for transport by other firms	1	
	4,070	1,761
Materials and fuel used by firms in this trade		
Purchases (see Table 13)	1,961	455
Adjustment for changes in stocks (see Table 14)	- 120	
	1,841	455

Summary, 1948
Small firms in Great Britain

TABLE 2

Gross output (sales) (a)	£'000 1,970
Average number of persons employed (b)	No. 1,186
Number of returns	235

(a) The value of gross output (sales) represents firms' own products. The value of all other sales was £251,000.

(b) Persons employed in connection with the manufacture of ice cream and in the bakehouse, and roundsmen; including working proprietors. The average number of all persons employed, including working proprietors, whether engaged on production or in the sale or delivery of goods (i.e., including also shop assistants and waitresses) was 1,728.

Estimated average employment, 1948
All firms in Great Britain

TABLE 3

As returned by firms	
Employing on average more than ten persons (a)	2,148
Employing on average ten persons or less (b)	1,186
	3,334
Estimated average employment in firms not making satisfactory returns	460
Estimated average employment in all firms	3,794

(a) See Tables 1 and 15.

(b) See Tables 2 and 25(11).

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(a)	Salaries	Total	
	No.	£'000	£'000	No.	£'000	£'000	£'000	£
11-24	16	533	295	291	64	29	92	1,013
25-49	16	900	527	518	103	33	136	1,018
50-499	5	2,638	1,407	1,339	227	96	323	1,051
Total	37	4,070	2,229	2,148	394	157	551	1,038

(a) Including amounts paid to shop assistants.

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(a)	Salaried	Total
	No.	£'000	£'000		No.	£'000	£'000	£'000
England								
East and West Ridings of Yorkshire; North Midland; and Eastern	6	329	180	8.1	189	38	11	49
London and South Eastern	11	2,119	1,169	52.4	1,064	200	77	277
Southern; and South Western	5	244	139	6.2	119	23	17	40
North Western	6	717	353	15.8	421	70	29	99
Midland	5	457	251	11.3	229	41	17	58
Wales								
Total England and Wales	33	3,865	2,092	93.8	2,022	373	150	523
Scotland	4	205	137	6.2	126	21	7	28
Great Britain	37	4,070	2,229	100.0	2,148	394	157	551

(a) Including amounts paid to shop assistants.

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 (a) Sales			1935 Production	
	Quantity	Value	Entries	Quantity	Value
	Th. galls.	£'000	No.	Th. galls.	£'000
Ice Cream					
Sold in bulk	5,342	1,853	90	6,745	2,589
Choc. ices pre-packed for retail sale	609 ..	395 72	24		
Other, including water ices	10,133 ..	3,619 52	70		
Total		5,991	..		2,589
Less sales (or production) in other trades (see Table 9)		2,066	..		838
Total principal products of this trade sold or made by establishments in the trade		3,925	36		1,751

(a) For output of small firms see Table 23 (11).

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

Establishments classified to other trades recorded sales (or production) valued at £2,066,000 in 1948 and £838,000 in 1935. The sales in 1948 covered each class of ice cream shown in Table 8; owing to the risk of disclosure of information relating to individual firms no further particulars can be given.

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

Larger establishments

TABLE 10

	1948 (a) Sales	1935 Production
	£'000	£'000
Biscuits for human consumption	28	-
Other goods	50	10
Work done	36(b)	-
Total	115	10

(a) For output of small firms see Table 23(11).
(b) 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 and wholesale or selling organisations	1,321	33.0
Retail shops, etc.	118	3.0
Total sales (or transfers) to other organisations under the same control	1,439	35.9
Sales to independent buyers		
Exports invoiced directly overseas and exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad	-	-
His Majesty's Government and Local Authorities (other than productive establishments)	10	0.3
Wholesalers, merchants and other agents for resale	207(a)	5.2
Retailers, including multiple shops, caterers and N.A.A.F.I., for resale	2,115	52.8
Manufacturers, repairers, builders, mines, public utilities, transport and other productive undertakings, and other businesses (including farmers) and institutions of all kinds	12	0.3
Members of the public, including employees	221	5.5
Total sales to independent buyers	2,565	64.1
Total	4,004	100.0

(a) No sales included in this total were recorded as for export.

TABLE 12 - Production, exports and imports of certain principal products

Particulars of any exports and imports of ice cream in 1948 and 1935 are not recorded separately in the overseas trade returns.

Purchased materials and fuel

Larger establishments

TABLE 13

	1948 (a)		1935	
	Materials and fuel purchased		Usage of purchased materials and fuel	
	Quantity	Cost	Quantity	Cost
	Th. cwts.	£'000	Th. cwts.	£'000
Materials				
Butter and butterfat	0.6	5	25.7	105 (b)
Sugar	62.7	187	39.2	33
	Th. sacks of 280 lbs.			
Wheat meal and flour				
Wholemeal, wheatmeal and other speciality flour	4.6	18		
Other wheat meal and flour (including National)	15.7	64		
Other meal and flour	2.0	14		
	..	4		
	Th. cwts.			
Eggs not in shell	1.9	41		
Margarine and compound	50.7	305		
Other edible oils and fats	21.7	213		
Milk powder	5.7	40	..	291 (c)
Glucose	0.6	2		
Chocolate couverture, block chocolate and chocolate powder	8.8	130		
Water	..	6		
Cornflour	0.3	2		
Other ingredients	..	365		
Packing materials	..	370		
All other purchased materials	..	90		
	Th. tons		Th. tons	
Fuel and electricity				
Coal	4.0	13	2.4	3
Coke	1.5	7	2.8	5
	Th. B. T. U. (kW. hrs.)		Th. B. T. U. (kW. hrs.)	
Electricity purchased	12,320	44	6,170	18
	..	7		
Electricity obtained from other works under the same ownership	-	-	-	-

TABLE 13 (contd.)

	1948 (a)		1935	
	Materials and fuel purchased		Usage of purchased materials and fuel	
	Quantity	Cost	Quantity	Cost
	Th. galls.	£'000		£'000
Fuel and electricity (contd.)				
Motor spirit (petrol) and deriv. fuel	102	10		
	..	3		
Other oil fuel (including creosote/pitch mixtures)	208	7		
	Th. therms			
Gas purchased				
From public supply	98	4	..	(d)
	..	2		
From other sources	-	-		
Gas obtained from other works under the same ownership	-	-		
All other purchased fuel	..	1		
Total		1,961		455

- (a) For the quantity of flour used by small firms see footnote (a) to Table 24. No other particulars of materials and fuel purchased or used were ascertained from small firms in this trade.
 (b) Butter.
 (c) Including fuel not specified separately.
 (d) Not recorded separately.

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
	£'000	£'000
Finished products	51	81
Work in progress	-	1
Total finished products and work in progress	51	82
Materials and fuel		
Wheat meal and flour	8(a)	9(a)
Other descriptions of materials and fuel	420	539
Total materials and fuel	428	549

- (a) Approximately 1,900 sacks of 280 lbs. in each case.

Employment and remuneration (a)

Larger establishments

TABLE 15

	Average number of operatives(b)		Other employees			Total	
			Average number of shop assistants	Administrative, technical and clerical employees(c)			
	1948	1935	1948	1948	1935	1948	1935
Males							
Under 18	54	112	-	1	2	55	114
All ages	988	2,578	1	240	212	1,229	2,790
Females							
Under 18	111	352	1	25	16	137	368
All ages	737	1,249	6	166	88	909	1,337
Total							
Under 18	165	464	1	26	18	192	482
All ages	1,725	3,827	7	406(d)	300	2,138 (d) (e) (f)	4,127
	£'000		£'000	£'000		£'000	
Total remuneration	393	..	1	157	..	551	..

- (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	1 male	19 females
Other workers	131 males	12 females

- (b) Including operatives (e.g., roundsmen) not employed in the manufacture of ice cream or incidental bakery products. The number of such operatives employed at September 25, 1948, was 107 (97 males and 10 females).
 (c) Number at September 25, 1948, and October 12, 1935. Shop assistants are included in the 1935 figures.
 (d) There were, in addition, 10 working proprietors (9 males and 1 female) in 1948. Working proprietors are included in the 1935 figures.
 (e) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £17,000.
 (f) 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
Maintenance and repair of firm's buildings, but not plant	10	
Research work not directly connected with current production however charged	-	-

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 Operatives (b)	394	240	20.9	25.9	27.7	25.5	100.0
Administrative, technical and clerical employees	157	98	24.7	24.3	25.4	25.6	100.0
Total	551	338	22.0	25.4	27.0	25.5	100.0

(a) Including bonus and commission payments.

(b) Including shop assistants.

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

Larger establishments in Great Britain

No payments for work done on materials given out were recorded.

Payments for certain services, 1948

Larger establishments in Great Britain

TABLE 18

	Amount paid
	£'000
Repair and maintenance	
Of buildings	18
Of plant, machinery and vehicles	58
Unclassified	25
Hire of plant, machinery and vehicles	1
Advertising and market research	
Advertising in newspapers, magazines and periodicals	1
Other advertising services (poster display, despatch of circulars, etc.) and market research	-
Unclassified	3
Payments made for research work	
To research associations, universities, institutions, academic bodies and similar agencies	2
To other commercial concerns	1
Postage, telephone, telegrams and cables	7
Commercial insurance premiums	9
Rates (excluding water rates) payable in the year	5

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	322	5	13
Vehicles	32	6	6
Total	354	11	19

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

Larger establishments in Great Britain

TABLE 20

	£'000
1. Capital expenditure on building work (a)	14
2. Existing buildings and land acquired (b)	51
Total of headings 1 and 2	65
3. Existing buildings and land relinquished (c)	-
4. Headings 1 and 2 less heading 3	65

(a) Excluding site value which, where appropriate, is included in heading 2.

(b) The figures do not reflect changes in ownership of previously occupied land and buildings.

(c) Including property destroyed or abandoned.

ICE CREAM TRADE

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)	3,865	205	4,070
Cost of materials and fuel used	1,774	67	1,841
Payment for work done on materials given out	-	-	-
Net output	2,092	137	2,229
Wages and salaries of persons employed	523 No.	28 No.	551 No.
Average number of persons employed	2,022 £	126 £	2,148 £
Net output per person employed	1,034	1,091	1,038
Stocks at end of year	£'000	£'000	£'000
Finished products and work in progress	81	1	82
Materials and fuel	546 No.	3 No.	549 No.
Number of establishments	33	4	37

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)	3,834	206	4,040
Adjustment for changes in stocks and work in progress	+ 31	-	+ 31
	3,865	206	4,072
Less payment for transport by other firms	-	1	1
Gross output (production)	3,865	205	4,070
Materials and fuel used by firms in this trade			
Purchases (see Table 24)	1,894	67	1,961
Adjustment for changes in stocks	- 120	-	- 120
Materials and fuel used	1,774	67	1,841

Summary

Small firms

TABLE 22

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Gross output (sales) (a)	1,848	73	49	1,970
	No.	No.	No.	No.
Average number of persons employed (b)	1,118	36	32	1,186
Number of returns	213	11	11	235

(a) The values of gross output (sales) represent firms' own products. The values of all other sales were as follows:-

	£'000
England	222
Wales	12
Scotland	17
Great Britain	251

(b) Persons employed in connection with the manufacture of ice cream and in the bakehouse, and roundsmen; including working proprietors. The average numbers of all persons employed, including working proprietors, whether engaged on production or in the sale or delivery of goods (i.e., including also shop assistants and waitresses) were as follows:-

England	1,611
Wales	68
Scotland	49
Great Britain	1,728

Sales in the trade
Larger establishments (a)

TABLE 23(i)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. galls.	£'000	Th. galls.	£'000	Th. galls.	£'000
Principal products						
Ice cream, including water ices	10,734	3,602	423	201	11,157	3,803
	..	118	..	5	..	122
Other output						
Biscuits for human consumption	..	28	-	-	..	28
Other goods	..	50	-	-	..	50
Work done (b)		36				36
Total		3,834		206		4,040

(a) For output of small firms see Table 23(ii).

(b) Amount charged.

Sales in the trade
Small firms

TABLE 23(ii)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. galls.	£'000	Th. galls.	£'000	Th. galls.	£'000
Principal products						
Ice cream	2,738	1,880	88	49	2,827	1,929
Other output						
Bread	3.3	5	-	-	3.3	5
Other goods	..	36	-	-	..	36
Total		1,921		49		1,970

Purchased materials and fuel

Larger establishments (a)

TABLE 24

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Materials						
Butter and butterfat	0.6	5	-	-	0.6	5
Sugar	59.7	178	3.1	9	62.7	187
Wheat meal and flour	Th. sacks of 280 lbs.		Th. sacks of 280 lbs.		Th. sacks of 280 lbs.	
Wholemeal, wheatmeal and other speciality flour	4.6	18	-	-	4.6	18
Other wheat meal and flour (including National)	..	(b)	..	(b)	15.7	64
Other meal and flour	..	(b)	..	(b)	2.0 ..	14 4
Eggs not in shell	1.9	38	0.1	3	1.9	41
Margarine and compound	..	(b)	..	(b)	50.7	305
Other edible oils and fats	21.3	209	0.4	4	21.7	213
Milk powder	..	(b)	..	(b)	5.7	40
Glucose	0.6	2	-	-	0.6	2
Chocolate couverture, block chocolate and chocolate powder	8.6	126	0.2	4	8.8	130
Water	..	6	..	1	..	6
Cornflour	..	(b)	..	(b)	0.3	2
Other ingredients	..	356	..	10	..	365
Packing materials	..	354	..	16	..	370
All other purchased materials	..	95	..	3	..	99
Fuel and electricity	Th. tons		Th. tons		Th. tons	
Coal	..	(b)	..	(b)	4.0	13
Coke	1.5	7	-	-	1.5	7

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. B. T. U. (kW.hrs.)	£'000	Th. B. T. U. (kW.hrs.)	£'000	Th. B. T. U. (kW.hrs.)	£'000
Fuel and electricity (contd.)						
Electricity purchased	12,120 ..	44 6	200 ..	1 1	12,320 ..	44 7
Electricity obtained from other works under the same ownership	-	-	-	-	-	-
	Th. galls.		Th. galls.		Th. galls.	
Motor spirit (petrol) and derv. fuel	96 ..	9 2	6 ..	1 -	102 ..	10 3
Other oil fuel (including creosote/pitch mixtures)	208	7	-	-	208	7
	Th. therms		Th. therms		Th. therms	
Gas purchased						
From public supply	98 ..	4 2	..	-	98 ..	4 2
From other sources	-	-	-	-	-	-
Gas obtained from other works under the same ownership	-	-	-	-	-	-
All other purchased fuel	..	1	-	-	..	1
Total		1,894		67		1,961

(a) The only particulars ascertained from small firms of materials and fuel related to the quantity of flour purchased and used; 3,200 sacks of 280 lbs. were recorded as used in England and Wales, none was recorded in Scotland.

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

Employment and remuneration
Larger establishments (a)

TABLE 25(i)

	England and Wales				Scotland				Great Britain			
	Average number of operatives (b)	Average number of shop assistants	Administrative, technical and clerical employees (c)	Total	Average number of operatives (b)	Average number of shop assistants	Administrative, technical and clerical employees (c)	Total	Average number of operatives (b)	Average number of shop assistants	Administrative, technical and clerical employees (c)	Total
Males												
Under 18	50	-	1	51	4	-	-	4	54	-	1	55
All ages	930	1	231	1,162	58	-	9	67	988	1	240	1,229
Females												
Under 18	97	1	23	121	14	-	2	16	111	1	25	137
All ages	694	6	154	854	43	-	12	55	737	6	166	803
Total												
Under 18	147	1	24	172	18	-	2	20	165	1	26	192
All ages	1,624	7	385 (d)	2,016 (d) (e)	101	-	21 (d)	122 (d) (e)	1,725	7	406 (d)	2,138 (d) (e)
Total remuneration	£'000 372	£'000 1	£'000 150	£'000 523	£'000 21	£'000 -	£'000 7	£'000 28	£'000 383	£'000 1	£'000 157	£'000 551

(a) For employment in small firms see Table 25 (ii).

(b) Including operatives (e.g., roundsmen) not employed in the manufacture of ice cream or incidental bakery products. The number of such operatives employed at September 25, 1948, was 107 (97 males and 10 females) in Great Britain; 83 males and 10 females in England and Wales, and 4 males in Scotland.

(c) Number at September 25, 1948.

(d) There were, in addition, 10 working proprietors (9 males and 1 female) in Great Britain; 5 males and 1 female in England and Wales, and 4 males in Scotland.

(e) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to a total of £17,000; £16,000 for England and Wales, and £1,000 for Scotland.

Employment

Small firms (a)

TABLE 25(ii)

	England and Wales			Scotland			Great Britain		
	Males	Females	Total	Males	Females	Total	Males	Females	Total
Average number of									
Persons employed in the manufacture of ice cream or incidental bakery products	506	291	797	18	10	28	524	301	825
Roundsmen	292	65	357	3	1	4	295	66	361
Total (b)	798	356	1,154	21	11	32	819	367	1,186

(a) Including working proprietors.

(b) The average numbers of all persons employed, including working proprietors, whether engaged on production or in the sale or delivery of goods (i.e., including also shop assistants and waitresses) were as follows:-

	England and Wales	Scotland	Great Britain
Males			
Under 18	60	5	65
All ages	941	26	967
Females			
Under 18	124	5	129
All ages	738	23	761
Total	1,679	49	1,728

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 (b)		England and Wales (b)
1948		1948	
January	83.6	August	110.2
February	83.6	September	105.6
March	93.9	October	101.3
April	101.3	November	96.4
May	105.4	December	93.8
June	110.9	Percentage employment in this trade covered by the index	
July	113.9		66.2

(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.

(b) No larger establishments in Scotland made returns for the calendar year 1948.

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