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on the
CENSUS OF PRODUCTION
FOR 1948

Volume 9

Trade F

Ice

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in pursuance of the Statistics of Trade Act, 1947
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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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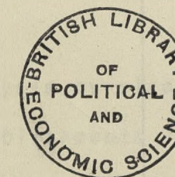
* Not applicable to this trade

ICE TRADE

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

This trade is one of the miscellaneous food industries included in minimum list heading 162(6) in the Standard Industrial Classification.

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



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

TABLE 1

	1948 (b)	1935 (c)
	£'000	£'000
Gross output (production)	716	993
Cost of materials and fuel used	171	222
Payment for work done on materials given out	-	-
Net output	544	771
Wages and salaries of persons employed	203	..
Average number of persons employed (d)	No. 632	No. 1,845
Net output per person employed	£ 861	£ 418
Stocks at end of year	£'000	£'000
Finished products and work in progress	3	..
Materials and fuel	15	..
Number of establishments	No. 15	No. 75

- (a) For small firm's summary see Table 2.
 (b) Great Britain only.
 (c) United Kingdom.
 (d) For 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)	719	966
Other output (see Table 10)	-	27
Adjustment for changes in stocks and work in progress (see Table 14)	+ 1	..
	720	993
Less payment for transport by other firms	4	..
Gross output (production)	716	993
Materials and fuel used by firms in this trade		
Purchases (see Table 13)	174	} 222
Adjustment for changes in stocks (see Table 14)	-3	
Materials and fuel used	171	222

Summary, 1948
Small firms in Great Britain

TABLE 2

	£'000
Gross output (sales)	394
Average number of persons employed (a)	No. 401
Number of returns	113

(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)	632
Employing on average ten persons or less (b)	401
Estimated average employment in all firms	1,033

- (a) See Tables 1 and 15.
 (b) See Table 2.

Analysis by size, 1948
Larger establishments in Great Britain

TABLE 4

Average number employed	Establishments	Gross output	Net output	Persons employed	Remuneration			Net output per person employed
					Wages	Salaries	Total	
	No.	£'000	£'000	No.	£'000	£'000	£'000	£
11-24	6	123	96	117	32	9	41	823
25-49	4	145	107	129	35	6	42	831
50-199	5	447	341	386	97	24	121	883
Total	15	716	544	632	165	39	203	861

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 and Wales								
Northern; East and West Ridings of Yorkshire; and North Midland	4	292	226	41.6	245	68	13	81
Eastern; and London and South Eastern	3	118	91	16.7	116	23	12	35
North Western; and Wales	4	147	109	20.1	127	38	7	44
Total								
England and Wales	11	558	426	78.3	488	129	32	161
Scotland	4	158	118	21.7	144	35	7	42
Great Britain	15	716	544	100.0	632	165	39	203

TABLE 6 - Analysis according to specialisation within the trade, 1948
Larger establishments in Great Britain

This table is not applicable to the trade.

TABLE 7 - Total make of intermediate products
Larger establishments

The total quantity of ice made in 1948 by establishments in Great Britain classified to the trade was 793,000 tons. In addition, 3,000 tons was recorded as made and sold by establishments classified to other trades. These figures exclude 178,000 tons of ice made by small firms. Similar information is not available for 1935.

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) (b) Sales			1935 (c) Production	
	Quantity	Value	Entries	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000
Ice					
For fishing	551	474	13	767	414
For other purposes	234	254	14	406	556
Total	785	728	..	1,173	970
Less sales (or production) in other trades (see Table 9)	3	9	..	2	4
Total principal products of this trade sold or made by establishments in the trade	782	719	14	1,171	966

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

(b) Great Britain only.

(c) United Kingdom.

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

Larger establishments

TABLE 9

	1948 (a) Sales			1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000
Ice					
For purposes other than fishing	3	9	..	2	4
Total	3	9	..	2	4

(a) Great Britain only.

(b) United Kingdom.

TABLE 10 - Sales (or production) in the trade of other than principal products

Larger establishments

No sales of other than principal products were recorded for 1948. For 1935, ice cream valued at £27,000 was recorded as made for sale.

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	-	-
Export sales organisations (including branches abroad)	-	-
Other wholesale or selling organisations	1	0.2
Retail shops, etc.	-	-
Total sales (or transfers) to other organisations under the same control	1	0.2
Sales to independent buyers		
Exports invoiced directly overseas	-	-
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)	5	0.7
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	5	0.7
Wholesalers, merchants and other agents for resale	12	1.7
Retailers, including multiple shops, caterers and N.A.A.F.I., for resale	30	4.1
Other businesses (including farmers) and institutions of all kinds	608	84.6
Members of the public, including employees	-	-
Unclassified	57	8.0
Total sales to independent buyers	718	99.8
Total	719	100.0

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

Particulars of exports or imports of ice in 1948 and 1935 are not recorded separately in the oversea trade returns.

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
	Th. cwts.	£'000		£'000
Materials				
Ammonia, anhydrous	0.9	4	}	95(c)
Calcium chloride	27.8	12		
Water	Mill. galls. 214	9		
All other purchased materials	..	29		
Fuel and electricity	Th. tons		Th. tons	
Coal	1.2	4	27.2	31
Coke	0.1	-	0.5	1
Electricity purchased (d)	Th. B. T. U. (kW. hrs.)		Th. B. T. U. (kW. hrs.)	
Electricity obtained from other works under the same ownership	30,059	101	}	95
Motor spirit (petrol) and deriv. fuel	Th. galls.			
Used for road vehicles	67	6	}	(e)
Used for other power purposes	-	-		
Other oil fuel (including creosote/pitch mixtures)	177	8		
Gas purchased	Th. therms			
From public supply	1	-	}	
From other sources	-	-		
Gas obtained from other works under the same ownership	-	-		
All other purchased fuel	..	1		
Total		174		222

(a) Great Britain only.

(b) United Kingdom.

(c) Including fuel not specified separately.

(d) The total quantity of electricity consumed in 1948 was 30,411,000 B. T. units, including 353,000 generated in the same works.

(e) 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
	Value	Value
	£'000	£'000
Finished products and work in progress	2	3
Materials and fuel	12	15

Employment and remuneration: larger establishments (a)

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	8	10	2	7	10	17
All ages	538	1,559	75	214	613	1,773
Females						
Under 18	-	-	3	3	3	3
All ages	2	5	17	67	19	72
Total						
Under 18	8	10	5	10	13	20
All ages	540	1,564	92 (e)	281	632 (e) (f)(g)	1,845
Total remuneration	£'000	..	£'000	..	£'000	..
	165	..	39	..	203	..

(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 2 females
Other workers 58 males, 6 females

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

(c) Great Britain only.

(d) United Kingdom.

(e) No working proprietors were recorded for 1948.

(f) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £5,000.

(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	12	
Maintenance and repair of firms' buildings but not plant	19	
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					
		Amount paid	Percentage of annual remuneration paid in				
			First quarter	Second quarter	Third quarter	Fourth quarter	Year
	£'000	£'000					
Wages and salaries of Operatives	165	54	20.8	25.5	28.6	25.1	100.0
Administrative, technical and clerical employees	39	17	24.0	24.5	24.4	27.2	100.0
Total	203	71	21.6	25.2	27.6	25.6	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 by larger establishments in Great Britain for work done on materials given out was less than £500.

Payments for certain services, 1948
Larger establishments in Great Britain

TABLE 18

	Amount paid
	£'000
Repair and maintenance of buildings	12
Repair and maintenance of plant, machinery and vehicles	26
Hire of plant, machinery and vehicles	1
Advertising in newspapers, magazines and periodicals	-
Other advertising services (poster display, despatch of circulars, etc.) and market research	-
Payments made for research work	-
Postage, telephone, telegrams and cables	2
Commercial insurance premiums	7
Rates (excluding water rates) payable in the year	7

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	71	3	2
Vehicles	4	4	-
Total	75	7	2

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)	21
2. Existing buildings and land acquired	-
3. Existing buildings and land relinquished	-
4. Headings 1 and 2 less heading 3	21

(a) Excluding site value.

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

Summary 1948

Larger establishments

TABLE 21

	England and Wales	Scotland	Great Britain
	£'000	£'000	£'000
Gross output (production)	558	158	716
Cost of materials and fuel used	132	40	171
Payment for work done on materials given out	-	-	-
Net output	426	118	544
Wages and salaries of persons employed	166	37	203
	No.	No.	No.
Average number of persons employed	488	144	632
	£	£	£
Net output per person employed	873	819	861
	£'000	£'000	£'000
Stocks at end of year			
Finished products and work in progress	1	2	3
Materials and fuel	14	1	15
	No.	No.	No.
Number of establishments	11	4	15

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(1))	558	161	719
Adjustment for changes in stocks and work in progress	-	+ 1	+ 1
Less payment for transport by other firms	-	4	4
Gross output (production)	558	158	716
Materials and fuel used by firms in this trade			
Purchases (see Table 24)	134	40	174
Adjustment for changes in stocks	- 2	-	- 3
Materials and fuel used	132	40	171

Summary

Small firms

TABLE 22

	England and Wales	Scotland	Great Britain
	£'000	£'000	£'000
Gross output (sales)	321	73	394
Average number of persons employed (a)	No. 322	No. 79	No. 401
Number of returns	96	17	113

(a) Including working proprietors.

Sales of the trade

Larger establishments (a)

TABLE 23(I)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Principal products						
Ice						
For fishing	627	558	155	161	551	474
For other purposes					231	245
Total principal products	627	558	155	161	782	719
Other products	-	-	-	-	-	-
Total	627	558	155	161	782	719

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

Small firms

TABLE 23(II)

	England and Wales		Scotland		Great Britain		Entries
	Quantity	Value	Quantity	Value	Quantity	Value	
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000	No.
Ice	137	317	37	73	174(a)	389	113
Other products	..	4	..	-	..	4	..
Total		321		73		394	113

(a) The total quantity of ice made in the year was 178,000 tons.

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						
Ammonia, anhydrous	0.8	3	0.2	1	0.9	4
Calcium chloride	20.8	9	7.0	3	27.8	12
	Mill. galls.		Mill. galls.		Mill. galls.	
Water	187	7	47	2	214	9
All other purchased materials	..	21	..	7	..	29
	Th. tons		Th. tons		Th. tons	
Fuel and electricity						
Coal	1.0	3	0.2	1	1.2	4
Coke	0.1	-	-	-	0.1	-
	Th. B.T.U. (kW. hrs.)		Th. B.T.U. (kW. hrs.)		Th. B.T.U. (kW. hrs.)	
Electricity purchased (a)	23,234	77	6,825	24	30,059	101
Electricity obtained from other works under the same ownership	-	-	-	-	-	-
	Th. galls.		Th. galls.		Th. galls.	
Motor spirit (petrol) and deriv. fuel						
Used for road vehicles	46	4	20	2	67	6
Used for other power purposes	-	-	-	-	-	-
Other oil fuel (including creosote/pitch mixtures)	..	7	..	-	177	8
	Th. therms		Th. therms		Th. therms	
Gas purchased						
From public supply	1	-	1	-	1	-
From other sources	-	-	-	-	-	-
Gas obtained from other works under the same ownership	-	-	-	-	-	-
All other purchased fuel	..	1	..	-	..	1
Total		134		40		174

(a) The total quantity of electricity consumed in England and Wales was 23,587,000 B.T. units including 353,000 generated in the same works. No electricity obtained from the same works was recorded for Scotland.

Employment and remuneration: larger establishments (a)

TABLE 25(i)

	England and Wales			Scotland			Great Britain		
	Average number of operatives	Administrative, technical and clerical employees (b)	Total	Average number of operatives	Administrative, technical and clerical employees (b)	Total	Average number of operatives	Administrative, technical and clerical employees (b)	Total
Males									
Under 18	8	2	10	-	-	-	8	2	10
All ages	418	60	478	120	15	135	538	75	613
Females									
Under 18	-	2	2	-	1	1	-	3	3
All ages	-	10	10	2	7	9	2	17	19
Total									
Under 18	8	4	12	-	1	1	8	5	13
All ages	418	70(c)	488	122	22(c)	144	540	92(c)	632
			(c) (d)			(c) (d)			(c) (d)
Total remuneration	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
	129	37	166	35	2	37	165	39	203

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

(b) Number at September 25, 1948.

(c) No working proprietors were recorded.

(d) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to a total of £5,000; £4,000 for England and Wales, and £1,000 for Scotland.

Employment: small firms (a)

TABLE 25(ii)

	England and Wales	Scotland	Great Britain
Males			
Under 18	3	-	3
All ages	309	69	378
Females			
Under 18	-	1	1
All ages	13	10	23
Total			
Under 18	3	1	4
All ages	322	79	401

(a) Excluded employees. The following numbers were employed by small firms in this trade but are not included in the table or in any other report (e.g., employees engaged wholly or mainly on cold storage or in the sale or distribution of goods not made by the firm):-

England and Wales 7 males, 736 females

Scotland 57 males, 7 females

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	99.0	86.5	93.2	August	98.1	116.9	106.8
February	97.1	91.0	94.3	September	100.0	111.2	105.2
March	101.0	94.4	97.9	October	99.0	101.1	100.0
April	101.0	97.8	99.5	November	98.1	92.1	95.3
May	104.9	100.0	102.6	December	99.0	91.0	95.3
June	102.9	106.7	104.7	Percentage employment in this trade covered by the index			
July	101.0	111.2	105.7		24.6	73.0	35.6

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

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