



BOARD OF TRADE

FINAL REPORT
on the
CENSUS OF PRODUCTION
FOR 1948

Volume 8

Trade C

Biscuit

*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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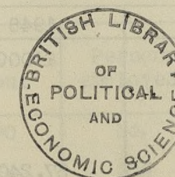
* Not applicable to this trade

BISCUIT TRADE

THIS REPORT on the Biscuit Trade relates to establishments engaged wholly or mainly in the manufacture of biscuits, rusks, crispbread, cereal fillers, etc.

This trade corresponds to minimum list heading 152 in the Standard Industrial Classification.

Establishments in this trade in Northern Ireland (which are excluded in 1948) accounted in 1937 and 1935 for less than 1 per cent. of the net output for the United Kingdom.



BISCUIT TRADE

Summary

Larger establishments

TABLE 1

	1948 (a)	1937 (b)	1935 (b)
Gross output (production)	£'000 39,665	£'000 18,059	£'000 16,867
Bread subsidy payable by the Ministry of Food in respect of flour converted into bread	6	-	-
Cost of materials and fuel used	21,136	9,334	7,681
Amount payable to the Ministry of Food under the Biscuits (Charges) Orders in respect of flour used in the manufacture of biscuits	2,883	-	-
Payment for work done on materials given out	175	1	-
Net output	15,478	8,724	9,186
Wages and salaries of persons employed	7,725	..	..
Average number of persons employed	No. 30,029 (c)	No. 43,898	No. 44,001
Net output per person employed	£ 515	£ 199	£ 209
Stocks at end of year	£'000	£'000	£'000
Finished products and work in progress	1,020	..	..
Materials and fuel	3,500	..	..
Number of establishments	No. 114	No. ..	No. 98

(a) Great Britain only.

(b) United Kingdom.

(c) 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	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)	37,240	17,060	15,785
Other output (see Table 10)	3,395	999	1,082
Adjustment for changes in stocks and work in progress (see Table 14)	+35	..	..
Less payment for transport by other firms	40,669 1,004	18,059	16,867
Gross output (production)	39,665	18,059	16,867
Materials and fuel used by firms in this trade			
Purchases (see Table 13)	21,206	9,334	7,681
Adjustment for changes in stocks (see Table 14)	-70		
Materials and fuel used	21,136	8,334	7,681

Summary, 1948

Small firms in Great Britain

TABLE 2

Number of returns	39
Average number of persons employed (a)	
Males	114
Females	129
Total	243

(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)	30,029
Employing on average ten persons or less (b)	243
Average employment in all firms	30,272

(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	17	428	154	319	48	31	79	482
25-49	20	805	347	691	116	55	171	502
50-99	22	2,526	1,019	1,598	255	144	400	638
100-199	17	5,002	1,830	2,506	406	278	684	730
200-299	12	4,564	1,564	2,882	503	294	797	543
300-399	7	3,324	1,180	2,349	376	160	536	503
400-499	4	3,406	1,420	1,821	323	164	487	780
500-999	10	9,069	3,656	6,619	1,086	688	1,774	552
1,500 and over	5	10,540	4,307	11,244	1,779	1,018	2,797	383
Total	114	39,665	15,478	30,029	4,893	2,832	7,725	515

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
England	No.	£'000	£'000		No.	£'000	£'000	£'000
Northern; and East and West Ridings of Yorkshire	15	5,122	1,857	12.0	3,737	626	348	974
North Midland	4	1,709	623	4.0	1,000	180	79	260
Eastern	6	554	197	1.3	356	67	27	94
London and South Eastern	19	7,042	3,002	19.4	6,213	986	646	1,632
Southern	4	4,044	1,570	10.1	3,349	608	379	987
South Western	7	895	323	2.1	402	65	59	124
Midland	6	2,012	697	4.5	771	115	118	233
North Western	22	9,258	3,652	23.6	7,400	1,148	625	1,773
Total England	83	30,637	11,922	77.0	23,228	3,796	2,282	6,078
Wales	4	1,600	619	4.0	1,055	198	85	283
Scotland	27	7,429	2,936	19.0	5,746	899	465	1,364
Great Britain	114	39,665	15,478	100.0	30,029	4,893	2,832	7,725

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			1937 (b) (c) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000
Biscuits for human consumption							
Whole							
Sweetened							
Chocolate coated (fully)	528	6,551	77	709	3,204	571	2,586
Chocolate coated (partially)	81	757	27				
Other kinds	3,108	19,816	169				
Unsweetened							
Cabin bread (ship's biscuit)	65	266	11	687	2,813	629	2,460
Other kinds	921	5,484	94				
Broken	60	173	72	..	(d)	..	(d)
Unclassified	-	-	-	149	539	363	1,118
				..	499		
Rusks (infants, diabetic, breakfast, etc.)	40	406	12				
Crispbread	171	1,413	9	44	280(e)	41	240(e)
Matzos	25	104	..				
Oatcakes	93	616	112	..	(f)	..	(f)
Dry wafers (including cones, cornets, etc.)	103	1,067	35				
Cereal filler (sausage rusk)	1,692	2,792	60	111	148(e)	319	343(e)
Breadcrumbs	46	70	39	..	(f)	..	(f)
Waste products	..	198	70				
Total		39,714	..		17,796		17,072
Less sales (or production) in other trades (see Table 9)		2,474	..		736		1,287
Total principal products of this trade sold or made by establishments in the trade		37,240	113		17,060		15,785

(a) Great Britain only.

(b) United Kingdom.

(c) Firms classified to the trades not covered by the 1937 Inquiry recorded the following output in 1935:-

	Th. cwts.	£'000
Biscuits for human consumption	141	474
Cereal filler (sausage rusk)	228	225
Rusks, crispbread and matzos	8	22
		<u>721</u>

(d) Included with whole biscuits.

(e) So far is recorded separately.

(f) Not recorded separately.

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

Larger establishments

TABLE 9

	1948(a)			1937(b)		1935(b)	
	Sales			Production		Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000
Biscuits for human consumption							
Whole							
Sweetened							
Chocolate coated (fully)	75	827	29	47	281	40	250
Chocolated coated (partially)	1	14	6				
Other kinds	103	720	94					86	140	27	38
Unsweetened							
Cabin bread (ship's biscuit)	3	12	5	30	44	13	22
Other kinds	34	196	45				
Broken	3	11	19	..	(c)	..	(c)
Unclassified	-	-	-	21	71	183	562
Rusks (infants', diabetic, breakfast, etc.)	12	123	5	8	58	15	75
Crispbread	-	-	-				
Matzos	-	-	-				
Oatcakes and dry wafers (including cones, cornets, etc.)	16	98	99	..	(d)	..	(d)
Cereal filler (sausage rusk)	265	433	40	107	142	316	340
Breadcrumbs	32	41	33	..	(d)	..	(d)
Total		2,474	..		738		1,287

- (a) Great Britain only.
(b) United Kingdom.
(c) Included with whole biscuits.
(d) Not recorded separately.

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

Larger establishments

TABLE 10

	1948(a)		1937(b)		1935(b)	
	Sales		Production		Production	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Slab or size cake, sold by weight	174	1,447	138	512	159	544
Other flour confectionery	..	510	..	367	..	375
Bread	63	89	..	39	..	50
Cocoa and sugar confectionery	10	136	8	31	10	45
Animal and poultry foods	171	539	..	50	..	68
Other goods	..	675				
Total		3,395		999		1,082

- (a) Great Britain only.
(b) United Kingdom.

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	1,652	4.1
Export sales organisations (including branches abroad)	964	2.4
Other wholesale or selling organisations	2,784	6.9
Retail shops, etc.	924	2.3
Total sales (or transfers) to other organisations under the same control	6,323	15.6
Sales to independent buyers		
Exports invoiced directly overseas	2,220	5.5
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad	818	2.0
His Majesty's Government and Local Authorities (other than productive establishments)	232	0.6
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	846	2.1
Wholesalers, merchants and other agents for resale	4,862(a)	12.0
Retailers, including multiple shops, caterers and N.A.A.F.I., for resale	24,105	59.3
Wholesalers, etc. and retailers, etc., unclassified	804	2.0
Other businesses (including farmers) and institutions of all kinds	227	0.6
Members of the public, including employees	196	0.5
Total sales to independent buyers	34,311	84.4
Total	40,635	100.0

- (a) Of this total £4,583,000 was recorded as divided between £187,000 for export and £4,396,000 for other sales.

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

TABLE 12

		Production (b) (c)	Exports	Retained Imports
		Th. cwts.	Th. cwts.	Th. cwts.
Biscuits for human consumption				
Sweetened				
Chocolate coated	1948	609	15	..
Other kinds (including oatcakes)	1948	3,201	265	..
Total sweetened	1948	3,810	280	34
	1937	3,739	155	94
Unsweetened				
Cabin bread (ship's biscuit)	1948	65	16	..
Crispbread and matzos	1948	196	5	..
Other kinds (including rusks and dry wafers)	1948	1,064	51	..
Total unsweetened	1948	1,325	72	9
	1937	731	38	33
Total biscuits for human consumption	1948	5,195(d)	352	43
	1937	4,760(e)	193	127

(a) Figures of sales (or production) refer only to larger establishments in Great Britain (1948) or the United Kingdom (1937). 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) Including sales of broken biscuits.

(e) Including unclassified output, partly estimated.

Purchased materials and fuel

Larger establishments

TABLE 13

	1948(a)		1937(b)		1935(b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Materials						
Wheat meal and flour	5,343	4,572	2,997	1,980(c)	2,965	1,442(c)
Butter and other edible oils and fats	761.0	4,810	804.8	1,948	765.3	1,647
Sugar	738.9	2,216	972.4	906	966.8	838
Dried fruits	47.5	253	88.7	208	85.3	177
Packing materials						
Tin containers, including returnable and non-returnable tins						
Transferred from branch establishments of the firm for which separate returns were made	..	6	..	426	..	(d)
Purchased from other firms	136.9	576	..	413	..	(d)
Boxes and cartons of paper and cardboard	57.8	218	..	45	..	(d)
Wooden and fibreboard cases, and all other trade containers, including returnable and non-returnable cases	53.9	130	..	184	..	(d)
Paper and board for packing, lining and labelling	64.8	553	..	402	..	(d)
All other packing materials, including materials for making or maintaining packages, cases, etc.	..	486	..	948	..	(d)
Oatmeal and oat flour	105.7	198	..	..	..	(d)
Rye meal and flour	3.1	6	..	..	..	(d)
Other meal and flour	58.4	131	..	..	..	(d)
Milk, including milk powder	..	20	..	(d)	..	(d)
Glucose	24.6	67	..	..	..	(d)
Syrup and treacle	100.5	285	..	..	..	(d)
Marmalade and jams (including jelly jams)	7.8	39	..	..	..	(d)
Starches	12.5	30	..	..	..	(d)

TABLE 13 (contd.)

	1948(a)		1937(b)		1935(b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
Materials (contd.)	Th. cwts.	£'000		£'000		£'000
Eggs not in shell						
Liquid or frozen, including glycerinated (whole, yolk or white)	19.5	228	..	2,167	..	3,360 (e)
Dried (whole, yolk or albumen) in terms of dry weight	2.7	97				
Chocolate couverture and block chocolate	148.1	1,965				
Other ingredients	..	1,577				
All other purchased materials	..	769				
Fuel and electricity	Th. tons		Th. tons		Th. tons	
Coal	71.0	211	102.2	126	101.3	105
Coke	19.1	63	..	(d)	12.8	16
Electricity purchased (f)	Th. B. T. U. (kW. hrs.)		Th. B. T. U. (kW. hrs.)		Th. B. T. U. (kW. hrs.)	
	31,886	159	30,064	99	27,344	91
Electricity obtained from other works under the same ownership	-	-	-	-	-	-
Motor spirit (petrol) and deriv. fuel	Th. galls.					
Used for road vehicles	1,173	111	..	(d)	..	(d)
Used for other power purposes	27	2				
Other oil fuel (including creosote/pitch mixtures)	902	37	..	(d)	326	5(g)
Gas purchased	Th. therms		..	255	..	(d)
Gas obtained from other works under the same ownership	9,638	343				
All other purchased fuel	-	-				
Total	..	7				
		21,206		9,334		7,681

- (a) Great Britain only.
 (b) United Kingdom.
 (c) Described as "Wheat flour".
 (d) Not recorded separately.
 (e) Including fuel not specified separately.
 (f) The total quantity of electricity consumed in 1948 was 33,306,000 B.T. units including 1,420,000 generated in the same works.
 (g) Described as "Heavy fuel oil".

Stocks of finished products and work in progress and stocks of materials and fuel, 1948

TABLE 14 Larger establishments in Great Britain

	At beginning of year		At end of year	
	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	Th. cwts.	£'000
Finished products				
Biscuits for human consumption	149	727	146	730
Other finished products	..	108	..	107
Work in progress	..	90	..	120
Total finished products and work in progress		60		63
		985		1,020
Materials and fuel				
Wheat meal and flour	199	190	217	214
Butter and other edible oils and fats	105	619	84	526
Sugar	165	487	110	334
Other descriptions of materials and fuel	..	2,133	..	2,427
Total materials and fuel		3,430		3,500

Employment and remuneration (a)
Larger establishments

TABLE 15

	Average number of operatives			Administrative, technical and clerical employees (b)			Total		
	1948(c)	1937(d)	1935(d)	1948(c)	1937(d)	1935(d)	1948(c)	1937(d)	1935(d)
Males									
Under 18	817	1,789	1,776	36	135	123	853	1,924	1,899
All ages	8,613	10,905	10,868	3,607	4,324	4,421	12,220	15,229	15,289
Females									
Under 18	2,720	9,202	9,085	753	646	455	3,473	9,848	9,540
All ages	14,491	25,400	25,627	3,308	3,289	3,085	17,799	28,669	28,712
Total									
Under 18	3,537	10,991	10,861	789	781	578	4,326	11,772	11,439
All ages	23,104	36,305	36,495	6,915(e)	7,593	7,506	30,019(e)	43,898	44,001
							(f) (g)		
Total remuneration	£'000			£'000			£'000		
	4,893	..	..	2,832	..	..	7,725	..	..

(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 15 males 457 females
 Other workers 37 males 38 females

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

(c) Great Britain only.

(d) United Kingdom.

(e) There were, in addition, 10 working proprietors (9 males and 1 female) in 1948.

Working proprietors are included in the 1937 and 1935 figures.

(f) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £215,000.

(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.	813	
Maintenance and repair of firms' buildings, but not plant	200	
Research work not directly connected with current production however charged	(*)	15

(*) Negligible.

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	4,893	2,593	23.2	24.6	24.7	27.5	100.0
Administrative, technical and clerical employees	2,832	1,582	24.6	24.6	24.3	26.5	100.0
Total	7,725	4,176	23.7	24.6	24.5	27.1	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 £175,000.

Payments for certain services, 1948

Larger establishments in Great Britain

TABLE 18

	Amount paid
	£'000
Repair and maintenance	
Of buildings	106
Of plant, machinery and vehicles	279
Unclassified	226
Hire of plant, machinery and vehicles	37
Advertising and market research	
Advertising in newspapers, magazines and periodicals	197
Other advertising services (poster display, despatch of circulars, etc.) and market research	63
Unclassified	214
Payments made for research work	
To research associations	5
To universities, institutions, academic bodies and similar agencies	1
To other commercial concerns	6
Postage, telephone, telegrams and cables	121
Commercial insurance premiums	123
Rates (excluding water rates) payable in the year	63

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TABLE 19

	Acquisitions		Disposals
	New	Second-hand	
Plant and machinery	£'000 853	£'000 27	£'000 51
Vehicles	250	29	39
Total	1,103	56	90

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)		209
2. Existing buildings and land (b)		
(1) Capital cost of freeholds bought	135	
Estimated capital value of		
(11) Rented property newly occupied in the year (c)	9	
(111) Leasehold buildings and land newly occupied in the year	82	
Total of heading 2		226
Total of headings 1 and 2		435
3. Existing buildings and land relinquished (d)		83
4. Headings 1 and 2 less heading 3		352

(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.

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FOOD, DRINK AND TOBACCO COUNTRY TABLES
BISCUIT TRADE
1948

Summary

Larger establishments

TABLE 21

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Gross output (production)	30,637	1,600	7,429	39,665
Bread subsidy payable by the Ministry of Food in respect of flour converted into bread	6	-	-	6
Cost of materials and fuel used	16,311	845	3,979	21,136
Amount payable to the Ministry of Food under the Biscuits (Charges) Orders in respect of flour used in the manufacture of biscuits	2,235	135	513	2,883
Payment for work done on materials given out	175	-	-	175
Net output	11,922	619	2,936	15,478
Wages and salaries of persons employed	6,078 No.	283 No.	1,364 No.	7,725 No.
Average number of persons employed	23,228 £	1,055 £	5,746 £	30,029 £
Net output per person employed	513 £'000	587 £'000	511 £'000	515 £'000
Stocks at end of year				
Finished products and work in progress	821	22	178	1,020
Materials and fuel	2,758 No.	127 No.	614 No.	3,500 No.
Number of establishments	83	4	27	114

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

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Output of firms in this trade				
Total value of sales (see Table 23)	31,459	1,336	7,539	40,635
Adjustment for changes in stocks and work in progress	+ 30	- 13	+ 18	+ 35
	31,489	1,623	7,557	40,669
Less payment for transport by other firms	853	23	128	1,004
Gross output (production)	30,637	1,600	7,429	39,665
Materials and fuel used by firms in this trade				
Purchases (see Table 24)	16,334	859	3,984	21,206
Adjustment for changes in stocks	- 73	- 13	+ 16	- 70
Materials and fuel used	16,311	845	3,979	21,136

Summary

Small firms

TABLE 22

	England	Wales	Scotland	Great Britain
Number of returns	24	-	15	39
Average number of persons employed (a)				
Males	68	-	46	114
Females	82	-	47	129
Total	150	-	93	243

(a) Including working proprietors.

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BISCUIT COUNTRY TABLES

Sales in the trade

Larger establishments

TABLE 23

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Principal products						
Biscuits for human consumption						
Whole						
Sweetened						
Chocolate coated (fully)	313	3,888	141	1,837	453	5,725
Chocolated coated (partially)	66	618	14	124	80	742
Other kinds	2,469	15,596	537	3,501	3,005	19,097
Unsweetened						
Cabin bread (ship's biscuit)	} 817	4,697	133	845	62	254
Other kinds					887	5,287
Broken	48	139	10	23	58	162
Rusks (infants', diabetic, breakfast, etc.)	} 189	1,610	11	86	28	283
Crispbread					171	1,413
Matzos	25	104	-	-	25	104
Oatcakes and dry wafers (including cones, cornets, etc.)	105	1,031	75	554	180	1,585
Cereal filler (sausage rusk)	1,281	2,117	147	242	1,428	2,359
Breadcrumbs	} ..	183	..	45	14	30
Waste products					..	198
Total principal products		29,982		7,257		37,240
Other output						
Slab or size cake, sold by weight	153	1,313	16	133	174	1,447
Other flour confectionery	} ..	551	..	48	..	510
Bread					63	89
Cocoa and sugar confectionery	} ..	1,247	..	101	10	136
Animal and poultry foods					171	539
Other goods	675
Total		33,095		7,539		40,635

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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						
Wheat meal and flour	4,589	3,954	754	618	5,343	4,572
Butter and other edible oils and fats	611.3	3,869	149.6	940	761.0	4,810
Sugar	603.8	1,811	135.1	405	738.9	2,216
Dried fruits	41.4	216	6.1	37	47.5	253
Packing materials						
Tin containers, including returnable and non-returnable tins						
Transferred from branch establishments of the firm for which separate returns were made	..	6	-	-	..	6
Purchased from other firms	123.9	525	13.1	51	136.9	576
	..	340	..	73	..	413
Boxes and cartons of paper and cardboard	50.7	192	7.0	26	57.8	218
	..	41	..	4	..	45
Wooden and fibreboard cases, and all other trade containers, including returnable and non-returnable cases	49.6	115	4.3	15	53.9	130
	..	162	..	21	..	184
Paper and board for packing, lining and labelling	52.7	384	12.1	168	64.8	553
	..	355	..	46	..	402
All other packing materials, including materials for making or maintaining packages, cases, etc.	..	431	..	55	..	486
Oatmeal and oat flour	32.6	71	73.1	127	105.7	198
Rye meal and flour	2.0	4	1.1	2	3.1	6
Other meal and flour	55.8	122	2.6	9	58.4	131
Milk, including milk powder	..	19	..	1	..	20
Glucose	18.7	51	5.9	17	24.6	67
Syrup and treacle	84.9	241	15.6	43	100.5	285
Marmalade and jams (including jelly jams)	5.6	28	2.2	11	7.8	39
Starches	10.9	26	1.5	4	12.5	30

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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.)						
Eggs not in shell						
Liquid or frozen, including glycerinated (whole, yolk or white)	16.6	196	2.9	30	19.5	226
Dried (whole, yolk or albumen) in terms of dry weight	2.3	85	0.3	12	2.7	97
Chocolate couverture and block chocolate	92.9	1,240	55.2	725	148.1	1,965
Other ingredients	..	1,327	..	250	..	1,577
All other purchased materials	..	657	..	112	..	769
Fuel and electricity	Th. tons		Th. tons		Th. tons	
Coal	55.1	168	15.8	44	71.0	211
Coke	16.1	52	3.0	11	19.1	63
	Th. B. T. U. (kW.hrs.)		Th. B. T. U. (kW.hrs.)		Th. B. T. U. (kW.hrs.)	
Electricity purchased (a)	25,795	132	6,091	28	31,886	159
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	964	92	209	20	1,173	111
Used for other power purposes	27	2	-	-	27	2
Other oil fuel (including creosote/pitch mixtures)	..	35	..	2	902	37
Gas purchased	Th. therms		Th. therms		Th. therms	
	7,902	289	1,736	54	9,638	343
Gas obtained from other works under the same ownership	-	-	-	-	-	-
All other purchased fuel	..	4	..	3	..	7
Total		17,244		3,964		21,208

(a) The total quantity of electricity consumed in England and Wales was 27,215,000 B.T. units, including 1,420,000 generated in the same works. No electricity generated in the same works was recorded for Scotland.

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Employment and remuneration

Larger establishments

TABLE 25

	England and Wales			Scotland			Great Britain		
	Average number of operatives	Adminis- trative, technical and clerical employees (a)	Total	Average number of operatives	Adminis- trative, technical and clerical employees (a)	Total	Average number of operatives	Adminis- trative, technical and clerical employees (a)	Total
Males									
Under 18	663	34	697	154	2	156	817	36	853
All ages	7,266	3,048	10,314	1,347	559	1,906	8,613	3,607	12,220
Females									
Under 18	2,161	626	2,787	559	127	686	2,720	753	3,473
All ages	11,314	2,652	13,966	3,177	656	3,833	14,491	3,308	17,799
Total									
Under 18	2,824	660	3,484	713	129	842	3,537	789	4,326
All ages	18,580	5,700 (b)	24,280 (b)(c)	4,524	1,215 (b)	5,739 (b)(c)	23,104	6,915 (b)	30,019 (b)(c)
Total remuneration	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
	3,993	2,367	6,361	899	465	1,364	4,893	2,832	7,725

(a) Number at September 25, 1948.

(b) There were, in addition, 10 working proprietors (9 males and 1 female) in Great Britain; 3 males in England and Wales, and 6 males and 1 female 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 £215,000; £175,000 for England and Wales, and £41,000 for Scotland.

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	94.5	103.1	96.2	August	99.9	95.9	99.1
February	94.3	100.9	95.5	September	103.6	99.9	102.9
March	93.5	100.7	94.9	October	106.1	99.9	104.9
April	96.3	100.4	97.1	November	106.6	101.3	105.5
May	99.0	102.6	99.7	December	105.2	99.2	104.0
June	100.7	102.6	101.1	Percentage employ- ment in this trade covered by the index	53.9	53.5	53.8
July	100.4	93.6	99.1				

(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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