



BOARD OF TRADE

FINAL REPORT
on the
CENSUS OF PRODUCTION
FOR 1948

Volume 8

Trade I

Sugar and Glucose

*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 0d. NET

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* Not applicable to this trade

SUGAR AND GLUCOSE TRADE

THIS REPORT on the Sugar and Glucose Trade relates to establishments engaged wholly or mainly in producing or refining sugar and the manufacture of syrup and treacle, molasses, invert sugar and glucose. In 1935 establishments engaged wholly or mainly in grinding sugar were classified to the Preserved Foods Trade, but in 1948 they were included here and the 1935 figures have been adjusted accordingly.

This trade corresponds to minimum list heading 155 in the Standard Industrial Classification.

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

Summary
Larger establishments

TABLE 1

	1948	1935
	£'000	£'000
Gross output (production)	135,507	43,722
Ministry of Food cost-adjustments, balancing payments, and deficiency payments (1948), or subsidy (1935)	-793	+ 2,219
Total	134,714	45,941
Cost of materials and fuel used	89,760 (a)	37,910 (b)
Payment for work done on materials given out	17	5
Customs and Excise duty	31,183	2,500 (c)
Net output	13,754	5,526
Wages and salaries of persons employed	6,549	..
Average number of persons employed	18,063 (d)	17,661
Net output per person employed	£ 761	£ 313
Stocks at end of year	£'000	£'000
Finished products and work in progress	7,457	..
Materials and fuel	7,039	..
Number of establishments	No. 51	No. 59

(a) Including duty on any duty-paid materials purchased; materials purchased in bond are recorded at their duty-free cost.

(b) Including net amount of Customs duty paid.

(c) Estimated Excise duty only.

(d) 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)	130,971	43,000
Other output (see Table 10)	2,305	722
Adjustment for changes in stocks and work in progress (see Table 14)	+ 2,758	..
Less payment for transport by other firms	136,034 528	43,722
Gross output (production)	135,507	43,722
Materials and fuel used by firms in this trade		
Purchases (see Table 13)	89,291	37,910
Adjustment for changes in stocks (see Table 14)	+ 469	
Materials and fuel used	89,760	37,910

Summary, 1948

Small firms in Great Britain

TABLE 2

Number of returns	19
Average number of persons employed (a)	
Males	60
Females	17
Total	77

(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)	18,063
Employing on average ten persons or less (b)	77
	18,140
Estimated average employment in firms not making satisfactory returns	8
Estimated average employment in all firms	18,148

(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	£
11-49	8	1,273	248	229	38	57	95	1,082
50-99	10	3,091	632	732	147	110	257	864
100 and over	33	131,142	12,874	17,102	4,653	1,544	6,197	753
Total	51	135,507	13,754	18,063	4,838	1,711	6,549	761

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 Midland	5	4,914	561	4.1	902	224	71	295
East and West Ridings of Yorkshire; North Midland; Eastern; and London and South Eastern	28	81,738	8,508	61.9	11,615	3,262	1,068	4,330
Southern; and South Western	4	1,097	160	1.2	159	36	37	72
North Western	7	34,486	3,454	25.1	3,832	968	399	1,367
Total England	44	122,234	12,683	92.2	16,508	4,490	1,575	6,064
Wales	-	-	-	-	-	-	-	-
Scotland	7	13,272	1,072	7.8	1,555	349	136	484
Great Britain	51	135,507	13,754	100.0	18,063	4,838	1,711	6,549

Analysis according to specialisation within the trade, 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	
Specialist producers of,	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Beet sugar	18	34,052	31,422	3,488	5,666	1,643	496	2,139	616
Remainder of the trade	33	101,455		10,266	12,397	3,195	1,214	4,409	828
Total	51	135,507		13,754	18,063	4,838	1,711	6,549	761

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 Sales			1935 Production	
	Quantity	Value	Entries	Quantity	Value
Sugar, unrefined	Th. cwts.	£'000	No.	Th. cwts.	£'000
	5,301	5,708	..	5,376	2,703
Sugar, refined or rendered by any process equal thereto					
Over 98° polarisation					
For manufacturing purposes	13,578	40,296	10	41,791	32,618
For domestic consumption	20,219	40,770	9		
For export	11,320	19,747	9		
Not exceeding 98° polarisation					
For manufacturing purposes	742	2,074	5	1,574	1,034
For domestic consumption and for export	80	156	..		
Sugar, ground or otherwise prepared for icing, fondants, etc. (a)	545	1,866	24	937	1,028
Glucose	1,536	4,166	7	2,069	1,667
Caramel	162	692	10	179	301
Syrup and treacle	2,587	8,638	18		
Invert sugar	885	2,526	11	..	(b)
Sugar and extracts from sugar which cannot be completely tested by the polariscope, not elsewhere specified	471	1,115	8		
Molasses					
Containing 70 per cent. or more of sweetening matter	-	-	-	2,408	2,078(c)
Containing under 70 per cent. and more than 50 per cent. of sweetening matter	4,020	1,015	8	3,010	825(c)
Containing not more than 50 per cent. of sweetening matter	693	214	..		

TABLE 8 (contd.)

	1948 Sales			1935 Production	
	Quantity	Value	Entries	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000
Beet pulp					
Plain	1,059	353	..	759	148
Molassed	4,721	1,593	..	4,771	938
Wet pulp	726	242	..	2,054	24
Waste products	..	408	11	}	(b)
Work done for the trade or on commission		25(d)	5		
Total		131,806	..		43,364
Less sales (or production) in other trades (see Table 9)		635	..		364
Total principal products of this trade sold or made by establishments in the trade		130,971	34		43,000

(a) So far as recorded separately.

(b) Not recorded separately.

(c) Described as molasses and invert sugar and all other sugar and extracts from sugar which cannot be completely tested by the polariscope.

(d) Amount charged.

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

Larger establishments

TABLE 9

	1948 Sales			1935 Production	
	Quantity	Value	Entries	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000
Sugar, ground or otherwise prepared for icing, fondants, etc.	164	584	15	269	307
Caramel; and syrup and treacle	13	51	5	38	57
Total		635	..		364

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

Larger establishments

TABLE 10

	1948 Sales		1935 Production	
	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	Th. cwts.	£'000
Nuts, shelled, ground or otherwise prepared	4.5	89	34.2	207
Other preserved foods, including preserved fruit	35.2	188	23.7	82
			..	14
Cocoa, chocolate and sugar confectionery	69.6	394	}	71.6
	..	24		
Chemical manufactures	..	76	..	43
Other goods	..	1,528	..	207
Work done		7(a)		-
Total		2,305		722

(a) 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		
Export sales organisations (including branches abroad)	-	-
Productive works; and other wholesale or selling organisations	1,455	1.1
Retail shops, etc.	-	-
Total sales (or transfers) to other organisations under the same control	1,455	1.1
Sales to independent buyers		
Exports invoiced directly overseas	1,396	1.0
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad.	878	0.7
His Majesty's Government and Local Authorities, manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	29,193	21.9
Wholesalers, merchants and other agents	84,193(a)	63.2
Retailers, including multiple shops, caterers and N.A.A.F.I., for resale	11,296	8.5
Other businesses (including farmers) and institutions of all kinds	4,825	3.6
Members of the public including employees	9	-
Total sales to independent buyers	131,790	98.9
Total	133,245	100.0

(a) Of this total £82,448,000 was recorded as divided between £17,919,000 for export and £64,529,000 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.
Sugar, unrefined	1948	5,301	..	37,402
	1935	5,376	..	38,239
Sugar, refined	1948	45,938	11,639	1
	1935	43,365	6,680	1,023
Glucose	1948	1,536	36	10
	1935	2,069	19	377
Caramel	1948	162	11	-
	1935	179	19	-
Molasses and invert sugar and all other sugar and extracts from sugar	1948	8,656	299	8,207
	1935	5,418	1,153	8,679

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

(b) Sales in 1948 and production for sale in 1935.

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

Purchased materials and fuel

Larger establishments

TABLE 13

	1948		1935	
	Materials and fuel purchased		Usage of purchased materials and fuel	
	Quantity	Cost	Quantity	Cost
	Th.tons	£'000		£'000
Materials (a)				
Sugar beet	4,319.2	23,770		
Sugar, unrefined				
Home produced	223.7	4,810		
Imported	2,013.3	43,133		
Sugar, refined (b)	33.7	1,908		
Glucose	5.4	297		
Maize	52.8	1,431		
Farinaceous starch	49.5	1,910		
Filter cloth	Th.sq.yds.			
Cotton	183	82		
Other	207	25		
	Th.cwts.			
Animal charcoal	69.0	214		
Vegetable carbon	..	33		
Hydrochloric acid	20.0	11		
	..	2		
Sulphuric acid	14.7	8		
Soda ash	51.5	20		
Packing materials				
Wooden and fibrite cases, barrels, kegs, etc.	..	518		
Tin containers				
Transferred from other works under the same ownership	..	3		
Purchased from other sources	142.1	506		
	..	104		
All other packing materials	..	5,070		
All other purchased materials	..	2,248		

TABLE 13 (contd.)

	1948		1935	
	Materials and fuel purchased		Usage of purchased materials and fuel	
	Quantity	Cost	Quantity	Cost
	Th.tons	£'000	Th.tons	£'000
Fuel and electricity				
Coal	998.4	2,854	1,067.5	969
Coke	26.9	122	22.2	33
	Th. B.T.U. (kW.hrs.)		Th. B.T.U. (kW.hrs.)	
Electricity purchased	10,494	70	7,054	28
Electricity obtained from other works under the same ownership	-	-	-	-
Motor spirit (petrol) and derv. fuel, and other oil fuel (including creosote/pitch mixtures)	Th.galls. 830	50	Th.galls. 67	2(d)
	..	82		
Gas purchased	Th.therms			
From public supply	315	12		
From other sources	-	-		
Gas obtained from other works under the same ownership	-	-	..	(e)
All other purchased fuel	-	-		
Total		89,291		
Net amount of duty paid		31,183		37,910

(a) The values shown for 1948 include the amount of duty on any duty-paid materials purchased; the values of materials purchased in bond are included at their duty-free cost. For 1935 the value shown for materials is the duty-paid cost less drawbacks in the case of goods exported. The value shown for 1948 as the "Net amount of duty paid" at the end of the table is the sum recorded as the duty paid on all withdrawals from bond or on goods in process of manufacture (£44,101,000) less drawbacks and allowances receivable for goods exported, deposited, etc. (£12,918,000).

(b) So far as recorded separately.

(c) Including fuel not specified separately.

(d) Heavy fuel oil only.

(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	
	Quantity	Value	Quantity	Value
	Th.cwts.	£'000	Th.cwts.	£'000
Finished products				
Refined sugar				
Held in bond	1,936	3,168	3,101	5,550
Held out of bond	296	599	359	733
Glucose	41	94	39	110
Molasses				
Held in bond	527	146	622	178
Held out of bond	67	38	65	36
Other finished products	..	230	..	398
Work in progress		425		452
Total finished products and work in progress		4,699		7,457
Materials and fuel	Th.tons		Th.tons	
Unrefined sugar				
Held in bond	208.1	3,626	138.7	2,635
Held out of bond	28.7	413	23.2	288
Other descriptions of materials and fuel	..	3,468	..	4,115
Total materials and fuel		7,507		7,038

Employment and remuneration (a)
Larger establishments

TABLE 15

	Average number of operatives		Administrative, technical and clerical employees (b)		Total	
	1948	1935	1948	1935	1948	1935
	£'000	..	£'000	..	£'000	..
Males						
Under 18	425	332	81	100	506	432
All ages	11,975	13,700	2,248	1,780	14,223	15,480
Females						
Under 18	671	511	98	56	769	567
All ages	3,149	1,803	691	378	3,840	2,181
Total						
Under 18	1,096	843	179	156	1,275	999
All ages	15,124	15,503	2,939 (c)	2,158	18,063 (c) (d) (e)	17,661
Total remuneration	4,838	..	1,711	..	6,549	..

(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	73 males	362 females
Other workers	130 males	65 females

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

(c) No working proprietors were recorded for 1948.

(d) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £139,000.

(e) The following persons (included in this total) were employed on special work by establishments employing 100 or more persons:-

	Operatives	Administrative, technical and clerical employees
Transport of goods outside the premises	285	
Maintenance and repair of firms' buildings, but not plant	332	
Research work not directly connected with current production, however charged	2	48

Wages and salaries paid, 1948 (a)
Larger establishments in Great Britain

TABLE 16

	Amount paid by all establishments	Establishments making returns for the year ended October, 1948(b)					
		Amount paid	Percentage of annual remuneration paid in				Year
			First quarter	Second quarter	Third quarter	Fourth quarter	
Wages and salaries of	£'000	£'000					
Operatives	4,838	2,484	23.8	25.7	24.6	25.9	100.0
Administrative, technical and clerical employees	1,711	858	33.3	20.1	26.5	20.1	100.0
Total	6,549	3,342	26.2	24.3	25.1	24.4	100.0

(a) Including bonus and commission payments.

(b) No larger establishments wholly or mainly engaged in producing sugar from sugar beet made returns for the year ended October, 1948.

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 £17,000.

Payments for certain services, 1948

Larger establishments in Great Britain

TABLE 18

	Amount paid
	£'000
Repair and maintenance	
Of buildings	115
Of plant, machinery and vehicles	93
Unclassified	97
Hire of plant, machinery and vehicles	27
Advertising and market research	
Advertising in newspapers, magazines and periodicals	8
Other advertising services (poster display, despatch of circulars, etc.) and market research	7
Unclassified	14
Payments made for research work	
To research associations	3
To universities, institutions, academic bodies and similar agencies and other commercial concerns	3
Postage, telephone, telegrams and cables	276
Commercial insurance premiums	108
Rates (excluding water rates) payable in the year	62

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Plant, machinery and vehicles acquired and disposed of, 1948

Larger establishments in Great Britain

TABLE 19

	Acquisitions		Disposals
	New	Second-hand	
	£'000	£'000	£'000
Plant and machinery	1,188	3	35
Vehicles	86	15	4
Total	1,254	18	40

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)		337
2. Existing buildings and land (b)		
(1) Capital cost of freeholds bought and estimated capital value of rented property newly occupied in the year (c)	8	
(11) Estimated capital value of leasehold buildings and land newly occupied in the year	-	
Total of heading 2		8
Total of headings 1 and 2		345
3. Existing buildings and land relinquished (d)		-
4. Headings 1 and 2 less heading 3		345

(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) Rented property being 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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Note: - There were no larger establishments in Wales in the register for this trade.

Summary

Larger establishments

TABLE 21

	England	Scotland	Great Britain
Gross output (production)	£'000 122,234	£'000 13,272	£'000 135,507
Ministry of Food cost-adjustments, balancing payments and deficiency payments	+ 580	- 1,373	- 793
Total	122,815	11,899	134,714
Cost of materials and fuel used	82,947	6,812	89,760
Payment for work done on materials given out	16	1	17
Customs and Excise duty	27,169	4,014	31,183
Net output	12,683	1,072	13,754
Wages and salaries of persons employed	£ 6,064 No.	£ 484 No.	£ 6,549 No.
Average number of persons employed	£ 16,508	£ 1,555	£ 18,063
Net output per person employed	£ 783 £'000	£ 689 £'000	£ 761 £'000
Stocks at end of year			
Finished products and work in progress	7,154	303	7,457
Materials and fuel	6,690	348	7,038
Number of establishments	No. 44	No. 7	No. 51

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

	England	Scotland	Great Britain
Output of firms in this trade	£'000	£'000	£'000
Total value of sales (see Table 23)	119,536	13,740	133,276
Adjustment for changes in stocks and work in progress	+ 3,201	- 443	+ 2,758
	122,737	13,297	136,034
Less payment for transport by other firms	503	25	528
Gross output (production)	122,234	13,272	135,507
Materials and fuel used by firms in this trade			
Purchases (see Table 24)	82,602	6,689	89,291
Adjustment for changes in stocks	+ 345	+ 123	+ 469
Materials and fuel used	82,947	6,812	89,760

Summary

Small firms

TABLE 22

	England	Wales and Scotland	Great Britain
Number of returns	17	2	19
Average number of persons employed (a)			
Males	57	3	60
Females	16	1	17
Total	73	4	77

(a) Including working proprietors.

Sales in the trade
Larger establishments

TABLE 23

	England		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
Principal products	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Sugar, unrefined	5,301	5,708	-	-	5,301	5,708
Sugar, refined or rendered by any process equal thereto						
Over 98° polarisation						
For manufacturing purposes	..	(a)	..	(a)	13,578	40,296
For domestic consumption	17,946	36,231	2,273	4,539	20,219	40,770
For export	10,651	18,570	669	1,177	11,320	19,747
Not exceeding 98° polarisation						
For manufacturing purposes	..	(a)	..	(a)	742	2,074
For domestic consumption and for export	..	(a)	..	(a)	80	156
Sugar, ground or otherwise prepared for icing, fondants, etc.	252	859	129	423	381	1,282
Glucose	1,536	4,166	-	-	1,536	4,166
Caramel; and syrup and treacle	..	(a)	..	(a)	2,736	9,279
Invert sugar	..	(a)	..	(a)	885	2,526
Sugar and extracts from sugar which cannot be completely tested by the polariscope, not elsewhere specified	471	1,115	-	-	471	1,115

TABLE 23 (contd.)

	England		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
Principal products (contd.)	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Molasses						
Containing under 70 per cent. and more than 50 per cent. of sweetening matter	3,656	911	364	103	4,020	1,015
Containing not more than 50 per cent. of sweetening matter	693	214	-	-	693	214
Beet pulp						
Plain	1,059	353	-	-	1,059	353
Molassed	4,619	1,556	102	38	4,721	1,593
Wet pulp	720	240	6	2	726	242
Waste products	..	(a)	..	(a)	..	408
Work done for the trade or on commission (b)		(a)		(a)		25
Total principal products		117,627		13,344		130,971
Other output						
Nuts, shelled, ground or otherwise prepared					4.5	89
Other preserved foods, including preserved fruit	..	(a)	..	(a)	35.2	188
Cocoa, chocolate and sugar confectionery					69.6	394
Chemical manufactures					..	24
Other goods	..	1,511	..	17	..	76
Work done (b)		7		-	..	1,528
Total		119,536		13,740		133,276

(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		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Materials						
Sugar beet	4,245.4	23,331	73.8	438	4,319.2	23,770
Sugar, unrefined						
Home produced	223.7	4,810	-	-	223.7	4,810
Imported	..	(a)	..	(a)	2,013.3	43,133
Sugar, refined	25.3	1,412	8.4	497	33.7	1,908
Glucose	..	(a)	..	(a)	5.4	297
Maize	52.8	1,431	-	-	52.8	1,431
Farinaceous starch	49.5	1,910	-	-	49.5	1,910
Filter cloth					Th. sq. yds.	
Cotton					183	82
Other	..	(a)	..	(a)	207	25
Animal charcoal					Th. cwts.	214
Vegetable carbon	..	33	-	-	..	33
Hydrochloric acid					20.0	11
Sulphuric acid		(a)	..	(a)	..	2
Soda ash	50.4	19	1.1	-	14.7	8
Packing materials					Th. cwts.	
Wooden and fibrite cases, barrels, kegs, etc.					..	518
Tin containers						
Transferred from other works under the same ownership	..	(a)	..	(a)	..	3
Purchased from other sources					142.1	506
All other packing materials	..	4,742	..	327	..	5,070
All other purchased materials	..	2,032	..	216	..	2,248

TABLE 24 (contd.)

	England		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
		£'000		£'000	Th. tons	£'000
Fuel and electricity						
Coal	..	(a)	..	(a)	998.4	2,854
Coke					26.9	122
	Th. B. T. U. (kW. hrs.)		Th. B. T. U. (kW. hrs.)		Th. B. T. U. (kW. hrs.)	
Electricity purchased	10,037	66	457	3	10,494	70
Electricity obtained from other works under the same ownership	-	-	-	-	-	-
	Th. galls.		Th. galls.		Th. galls.	
Motor spirit (petrol) and deriv. fuel and other oil fuel (including creosote/pitch mixtures)	812	48	18	2	830	50
	..	82			..	82
	Th. therms		Th. therms		Th. therms	
Gas purchased						
From public supply	307	12	7	-	315	12
From other sources	-	-	-	-	-	-
Gas obtained from other works under the same ownership	-	-	-	-	-	-
All other purchased fuel	-	-	-	-	-	-
Total		82,602		6,689		89,291

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

Employment and remuneration

Larger establishments

TABLE 25

	England			Scotland			Great Britain		
	Average number of operatives	Admini- strative, technical and clerical employees (a)	Total	Average number of operatives	Admini- strative, technical and clerical employees (a)	Total	Average number of Operatives	Admini- strative, technical and clerical employees (a)	Total
Males									
Under 18	407	76	483	18	5	23	425	81	506
All ages	10,953	2,088	13,041	1,022	160	1,182	11,975	2,248	14,223
Females									
Under 18	563	88	651	108	10	118	871	98	769
All ages	2,845	622	3,467	304	69	373	3,149	691	3,840
Total									
Under 18	970	184	1,154	126	15	141	1,096	179	1,275
All ages	13,798	2,710 (b)	16,508 (b) (c)	1,326	229 (b)	1,555 (b) (c)	15,124	2,939 (b)	18,063 (b) (c)
	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Total remuneration	4,490	1,575	6,064	349	133	484	4,838	1,711	6,549

(a) Number at September 25, 1948.

(b) No working proprietors were recorded.

(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 £139,000; £128,000 for England, and £12,000 for Scotland.

Monthly index of employment of operatives: Larger establishments
(average employment in the year ended October, 1948 = 100)

TABLE 26

Month	Monthly index (a)			Month	Monthly index (a)		
	England	Scotland	Great Britain		England	Scotland	Great Britain
1947				1948			
November	96.4	98.4	96.6	June	100.5	100.9	100.6
December	96.9	99.3	97.2	July	101.6	101.8	101.7
1948				August	103.2	102.1	103.1
January	99.0	99.0	99.0	September	104.3	100.6	103.8
February	101.3	99.9	101.1	October	95.7	98.4	96.0
March	100.5	99.3	100.4	Percentage employment in this trade covered by the index	51.5	71.2	53.2
April	100.5	99.9	100.4				
May	100.2	100.5	100.2				

(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 twelve months ended October, 1948. No larger establishments wholly or mainly engaged in producing sugar from sugar beet made returns for this period.

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