



BOARD OF TRADE

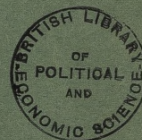
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FINAL REPORT  
on the  
CENSUS OF PRODUCTION  
FOR 1948

Volume 2

Trade Q

Glue, Gum, Paste and Allied Trades



*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).*

LONDON : HIS MAJESTY'S STATIONERY OFFICE

1951

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

GLUE, GUM, PASTE AND ALLIED TRADES

THIS REPORT on the Glue, Gum, Paste and Allied Trades relates to establishments engaged wholly or mainly in the manufacture of gelatine, glue, gum, paste, shellac, size, etc., including preliminary processes such as scraping, crushing of bones, and sorting and grinding of gums.

These trades correspond to minimum list heading 39 (4) in the Standard Industrial Classification.

Any establishments in Northern Ireland are excluded in 1948; no production was recorded there in these trades for 1937 or 1935.

CHEMICALS AND ALLIED TRADES  
GLUE, GUM, PASTE AND ALLIED TRADES

Summary

Larger establishments

TABLE 1

	1948	1937	1935
	£'000	£'000	£'000
Gross output (production)	10,456	2,954	2,391
Cost of materials and fuel used	6,767	1,813	1,377
Payment for work done on materials given out	10	1	-
Net output	3,679	1,140	1,014
Wages and salaries of persons employed	1,762	..	..
Average number of persons employed (a)	No. 4,991 (b)	No. 3,788	No. 3,473
Net output per person employed (a)	£ 737	£ 303	£ 292
Stocks at end of year	£'000	£'000	£'000
Finished products and work in progress	655	..	..
Materials and fuel	964	..	..
Number of establishments	No. 62	No. ..	No. 53

(a) Excluding outworkers.

(b) For the total number of persons employed in these trades see Table 3.

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

	1948	1937	1935
	£'000	£'000	£'000
Output of firms in these trades			
Total value of sales (1948) or production (1937 and 1935)			
Principal products (see Table 8)	8,672	2,111	1,709
Other output (see Table 10)	1,811	843	682
Adjustment for changes in stocks and work in progress (see Table 14)	+133	..	..
Less payment for transport by other firms	10,616 161	2,954	2,391
Gross output (production)	10,456	2,954	2,391
Materials and fuel used by firms in these trades			
Purchases (see Table 13)	6,854	1,813	1,377
Adjustment for changes in stocks (see Table 14)	- 87		
Materials and fuel used	6,767	1,813	1,377

Summary, 1948

Small firms in Great Britain

TABLE 2

Number of returns	37
Average number of persons employed (a)	
Males	162
Females	51
Total	213

(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)	4,991
Employing on average ten persons or less (b)	213
	5,204
Estimated average employment in firms not making satisfactory returns	-
Average employment in all firms	5,204

(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	14	576	201	231	46	34	80	871
25-49	21	1,683	572	742	159	117	275	771
50-99	11	1,321	507	767	162	88	249	661
100-199	10	2,925	959	1,429	329	166	495	671
200-299	3	1,219	502	735	170	72	241	683
300 and over	3	2,732	939	1,087	320	101	421	863
Total	62	10,456	3,679	4,991	1,185	577	1,762	737

## 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; and Eastern	3	919	331	9.0	478	112	42	154
East and West Ridings of Yorkshire	5	606	321	8.7	406	98	30	128
North Midland	5	925	317	8.6	406	88	48	137
London and South Eastern	16	2,439	977	26.6	1,297	275	178	452
Southern	3	1,018	224	6.1	242	61	61	122
South Western; Midland; and Wales	7	2,091	590	16.0	765	235	76	311
North Western	19	2,100	757	20.6	1,091	249	121	370
Total England and Wales	58	10,097	3,517	95.6	4,685	1,118	556	1,673
Scotland	4	358	162	4.4	306	68	21	89
Great Britain	62	10,456	3,679	100.0	4,991	1,185	577	1,762

## Analysis according to specialisation within these trades, 1948

## Larger establishments in Great Britain

TABLE 6

	Establishments	Gross output	Sales of characteristic products	Net output	Persons employed	Remuneration			Net output per person employed
						Wages	Salaries	Total	
	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Specialist producers of vegetable adhesives	18	2,159	1,809	600	787	165	157	323	762
Remainder of the trades	44	8,297	3,079	4,204	1,020	419	1,439	732	
Total	62	10,456	3,679	4,991	1,185	577	1,762	737	

TABLE 7 - Total make of intermediate products

## Larger establishments

This table is not applicable to these trades.

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

## Larger establishments

TABLE 8

	1948 Sales			1937 Production		1935 Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000	Th. tons	£'000
Gelatine, glue and size (animal)							
Edible gelatine (including pharmaceutical)	7.5	2,557	21	7.4	670 (a)	5.7	482 (a)
Photographic gelatine	0.9	453	8				
Bone glue and size, dried	12.4	1,526	18	17.1	714 (b) (c)	44.8	913 (c)
Hide glue and technical gelatine, dried	6.6	1,303	26				
Bone glue and size, undried	0.6	31	8	23.4	285 (e)		
Hide glue and technical gelatine, undried	3.7 (d)	120	8				
Liquid glue	0.9	108	14				
Other adhesives							
Fish glue and casein glue	1.1	172	7				
Synthetic resin glue	2.5	178	6				
Flexible glues (f)	0.6	88	6				
Vegetable adhesives							
Cold water pastes							
Made from starch	7.2	386	19	27.4	655 (g)	24.4	547 (g)
Made from flour	4.0	155	6				
Liquid cold glues	5.6	321	17				
Liquid gums	2.2	192	16				
Powdered cold glues	1.2	91	6				
Powdered gums and paste	9.1	812	14				
Unclassified	1.5	176	11				
Other adhesives	0.7	48	17				
Bleached shellac (g)	0.6	236	..				
Bone by-products							
Bones for calcining	7.4	99	14	26.7	180 (h)	25.3	148 (h)
Calcined bones and other bone by-products	10.7	242	12				

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## CHEMICALS AND ALLIED TRADES

TABLE 8 (contd.)

	1948 Sales			1937 Production		1935 Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000	Th. tons	£'000
Waste products	..	40	24	..	(1)	..	(1)
Work done for the trade or on commission		17(k)	..		(1)		(1)
Total		9,434	..		2,504		2,090
Less sales or production in other trades (see Table 9)		763	..		393		381
Total principal products of these trades sold or made by establishments in these trades		8,672	60		2,111		1,709

- (a) Including technical gelatine.  
 (b) Described as "Glue, dry".  
 (c) Excluding technical gelatine.  
 (d) Commercial dry weight equivalent is 850 tons.  
 (e) Described as "Undried glue and size and fish glue, including liquid glue made from purchased dry glue".  
 (f) So far as recorded separately.  
 (g) Described as "Gum-mucilage, paste, etc.".   
 (h) Described as "Shank bones, middle bones, and horns for the manufacture of cutlery handles, buttons, fancy articles, etc.; other bone by-products, including calcined bones (except bone meal); bones for manure".  
 (i) Not recorded separately.  
 (k) Amount charged.

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

## Larger establishments

TABLE 9

	1948 Sales			1937 Production		1935 Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000	Th. tons	£'000
Edible gelatine (including pharmaceutical); photographic gelatine; bone glue and size, dried and undried; and hide glue and technical gelatine, dried and undried	0.7	224	19	8.3	158	12.1	129
Liquid glue, fish glue, casein glue and synthetic resin glue	1.5	109	8				
Vegetable adhesives				2.0	127	4.0	154
Cold water pastes made from starch	0.7	65	7				
Liquid cold glues	-	7	..				
Liquid gums	0.3	50	8				
Powdered gums and paste; and unclassified vegetable adhesives	2.4	214	8	16.0	108	18.0	98
Other adhesives; and bleached shellac	0.7	59	..				
Bone by-products							
Bones for calcining	0.2	2	..				
Calcined bones and other bone by-products	1.1	26	..				
Total		763	..		393		381

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## GLUE, GUM, PASTE AND ALLIED TRADES

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

## Larger establishments

TABLE 10

	1948 Sales		1937 Production		1935 Production	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Animal oils, fats and greases						
Refined	1.9	158	4.2	91	3.3	66
Unrefined	8.4	501	17.5	344	15.8	291
Feeding stuffs for animals, poultry, etc.	26.9	372	21.6	174	16.5	130
	..	46				
Fertilisers	27.7	370	32.1	147	42.7	151
Other goods	..	364	..	87	..	44
Work done		1(a)		-		-
Total		1,811		843		682

(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		
Productive works	567	5.4
Export sales organisations (including branches abroad)	74	0.7
Other wholesale or selling organisations	417	4.0
Retail shops, etc.	-	-
Total sales (or transfers) to other organisations under the same control	1,058	10.1
Sales to independent buyers		
Exports invoiced directly overseas	355	3.4
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad	74	0.7
His Majesty's Government and Local Authorities (other than productive establishments)	32	0.3
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	5,205	49.7
Wholesalers, merchants and other agents for resale	2,806(a)	26.8
Retailers, including multiple shops, caterers and N.A.A.F.I., for resale	179	1.7
Other businesses (including farmers) and institutions of all kinds	324	3.1
Members of the public, including employees	4	-
Unclassified	427	4.1
Total sales to independent buyers	9,407	89.9
Total	10,465	100.0

(a) Of this total £707,000 was recorded as divided between £29,000 for export and £678,000 for other sales.

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

TABLE 12

		Production (b) (c)	Exports (d)	Retained Imports (e)
		Th. tons	Th. tons	Th. tons
Gelatine, glue and size (animal)				
Edible gelatine (including pharmaceutical)	1948	7.5	0.2	1.2
Photographic gelatine	1948	0.9	0.1	-
Other sorts	1948	24.2	1.7	0.6
Other adhesives	1948	37.9 (f)	1.6 (g)	- (g)
Total gelatine, glue and size and all other adhesives	{ 1948	70.5 (f)	3.7 (g)	1.9 (g)
	{ 1937	75.3	4.6 (g)	7.1 (g)
	{ 1948	£'000	£'000	£'000
	{ 1937	8,800	699	598
		2,324	313	554

(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 1937.

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

(d) Valued f.o.b.

(e) Valued c.i.f.

(f) Partly estimated.

(g) Excluding paste and gum (stationery).

Purchased materials and fuel

Larger establishments

TABLE 13

	1948		1937		1935	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Materials						
Bones and bone pieces, raw or degreased						
Imported as such	57.3	1,711	106.1	497		
Other	45.0	462				
Hoofs and horns	0.2	1				
Butchers' fat, kitchen fat, condemned meat and carcasses, greaves, other fatty materials, blood and other offal not elsewhere specified	10.7	60	16.0	84 (a)		
Packing materials	..	393	..	78		
Glue and gelatine stock, hide cuttings and leather and skin waste			..		..	1,232 (b)
Wet	85.8	458	..	787		
Dry						
Imported as such	3.7	130				
Other	9.3	147				
Starch and dextrine	16.5	825				
All other purchased materials	..	1,839				
Unclassified purchased materials	..	207	..	176		
Fuel and electricity						
Coal	141.7	353	172.2	144	156.7	116
Coke	18.6	41	..	(c)	9.4	6
	Th.B.T.U. (kW. hrs.)		Th.B.T.U. (kW. hrs.)		Th.B.T.U. (kW. hrs.)	
Electricity purchased (d)	18,527	78	9,577	28	7,432	23
Electricity obtained from other works under the same ownership	-	-	-	-	-	-

TABLE 13 (contd.)

	1948		1937		1935	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. galls.	£'000		£'000		£'000
Fuel and electricity (contd.)						
Motor spirit (petrol) and deriv. fuel						
Used for road vehicles	145	12				
Used for other power purposes	5	-				
Other oil fuel (including creosote/pitch mixtures)	758	22				
Gas purchased	Th. therms					
From public supply	140	4	..	19	..	(c)
	..	3				
From other sources	-	-				
Gas obtained from other works under the same ownership	-	-				
All other purchased fuel	..	107				
Total		6,854		1,813		1,377

(a) Excluding blood and other offal not elsewhere specified.

(b) Including fuel not specified separately.

(c) Not recorded separately.

(d) The total quantity of electricity consumed in 1948 was 24,527,000 B.T. units, including 6,000,000 generated in the same works.

**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. tons	£'000	Th. tons	£'000
Finished products				
Gelatine, glue and size (animal)	1.7	248	2.7	376
Other finished products	..	163	..	175
Work in progress		111		104
Total finished products and work in progress		522		655
Materials and fuel		877		964

**Employment and remuneration (a)**

**Larger establishments**

TABLE 15

	Average number of operatives			Administrative, technical and clerical employees (b)			Total		
	1948	1937	1935	1948	1937	1935	1948	1937	1935
	£'000	..	..	£'000	..	..	£'000	..	..
Males									
Under 18	130	182	187	26	39	31	156	221	218
All ages	2,979	2,333	2,166	712	524	465	3,691	2,857	2,631
Females									
Under 18	155	266	219	66	36	19	221	302	238
All ages	862	713	669	436	198	173	1,298	911	842
Total									
Under 18	285	448	406	92	75	50	377	523	456
All ages	3,841	3,046	2,835	1,148 (c)	722	638	4,989 (c) (d) (e)	3,768	3,473
Total remuneration	1,185	..	..	577	..	..	1,762	..	..

(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 males	38 females
Other workers	36 males	3 females

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

(c) There were, in addition, 2 working proprietors (1 male and 1 female) in 1948. Working proprietors are included in the 1937 and 1935 figures.

(d) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £39'000.

(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	83	
Maintenance and repair of firms' buildings, but not plant	85	
Research work not directly connected with current production however charged	-	3

## 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				Year
			First quarter	Second quarter	Third quarter	Fourth quarter	
	£'000	£'000					
Wages and salaries of							
Operatives	1,185	450	24.5	24.8	24.2	26.5	100.0
Administrative, technical and clerical employees	577	202	23.5	25.7	24.8	26.0	100.0
Total	1,762	652	24.2	25.1	24.4	26.4	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 £10,000.

## Payments for certain services, 1948

## Larger establishments in Great Britain

TABLE 18

	Amount paid
	£'000
Repair and maintenance	
Of buildings	17
Of plant, machinery and vehicles	61
Unclassified	202
Hire of plant, machinery and vehicles	3
Advertising and market research	
Advertising in newspapers, magazines and periodicals	6
Other advertising services (poster display, despatch of circulars, etc.) and market research	1
Unclassified	25
Payments made for research work	
To research associations	1
To universities, institutions, academic bodies and similar agencies	-
To other commercial concerns	2
Postage, telephone, telegrams and cables	26
Commercial insurance premiums	42
Rates (excluding water rates) payable in the year	12

## 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	368	10	7
Vehicles	23	7	2
Total	391	18	10

## 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)	78
2. Existing buildings and land acquired (b)	20
Total of headings 1 and 2	98
3. Existing buildings and land relinquished (c)	2
4. Headings 1 and 2 less heading 3	96

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

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

(c) Including property destroyed or abandoned.



1948

## GLUE, GUM, PASTE AND ALLIED TRADES

## Summary

## Larger establishments

TABLE 21

	England and Wales (a)	Scotland	Great Britain
	£'000	£'000	£'000
Gross output (production)	10,097	358	10,456
Cost of materials and fuel used	6,571	196	6,767
Payment for work done on materials given out	10	-	10
Net output	3,517	162	3,679
Wages and salaries of persons employed	1,673	89	1,762
Average number of persons employed (b)	4,685	306	4,991
Net output per person employed (b)	751	530	737
Stocks at end of year	£'000	£'000	£'000
Finished products and work in progress	590	65	655
Materials and fuel	935	29	964
Number of establishments	No. 58	No. 4	No. 62

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

(b) Excluding outworkers.

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 these trades			
Total value of sales (see Table 23)	10,125	358	10,483
Adjustment for changes in stocks and work in progress	+ 129	+ 4	+ 133
	10,254	363	10,616
Less payment for transport by other firms	157	4	161
Gross output (production)	10,097	358	10,456
Materials and fuel used by firms in these trades			
Purchases (see Table 24)	6,662	191	6,854
Adjustment for changes in stocks	- 92	+ 5	- 87
Materials and fuel used	6,571	196	6,767

## Summary

## Small firms

TABLE 22

	England	Wales	Scotland	Great Britain
Number of returns	31	-	6	37
Average number of persons employed (a)				
Males	133	-	29	162
Females	44	-	7	51
Total	177	-	36	213

(a) Including working proprietors.

## Sales in the trades

## Larger establishments

TABLE 23

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. tons	£'000		£'000	Th. tons	£'000
Principal products						
Edible gelatine (including pharmaceutical); photographic gelatine; bone glue and size, dried and undried; and hide glue and technical gelatine, dried and undried					30.9	5,766
Liquid glue, fish glue, casein glue and synthetic resin glue	..	(a)	..	(a)	3.0	349
Flexible glues					0.6	88
Vegetable adhesives						
Cold water pastes						
Made from starch	6.5	321	-	-	6.5	321
Made from flour	4.0	155	-	-	4.0	155
	..	77	-	-	..	77
Liquid cold glues	5.5	313	-	-	5.5	313
Liquid gums	1.9	142	-	-	1.9	142
Powdered cold glues	1.2	91	-	-	1.2	91
Powdered gums and paste; and unclassified vegetable adhesives	8.2	774	-	-	8.2	774

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. tons	£'000		£'000	Th. tons	£'000
Principal products (contd.)						
Other adhesives; and bleached shellac	0.7	226	-	-	0.7	226
Bone by-products						
Bones for calcining	..	(a)	..	(a)	7.2	97
Calcined bones and other bone by-products	9.6	215	-	-	9.6	215
Waste products	..	(a)	..	(a)	..	40
Work done for the trade or on commission (b)		17		-		17
Total principal products		8,403		269		8,672
Other output						
Animal oils, fats and greases						
Refined					1.9	158
Unrefined	..	(a)	..	(a)	8.4	501
Feeding stuffs for animals, poultry, etc.					26.9	372
					..	46
Fertilisers					27.7	370
Other goods	..	364	-	-	..	364
Work done (b)		1		-		1
Total		10,125		358		10,483

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

(b) Amount charged.

## Purchased materials and fuel

## Larger establishments

TABLE 24

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Materials						
Bones and bone pieces, raw or degreased						
Imported as such	57.3	1,711	-	-	57.3	1,711
Other	..	(a)	..	(a)	45.0	462
Hoofs and horns	0.2	1	-	-	0.2	1
Butchers' fat, kitchen fat, condemned meat and carcasses, greaves, other fatty materials, blood and other offal not elsewhere specified	..	(a)	..	(a)	10.7	60
Packing materials	..	379	..	14	..	393
Glue and gelatine stock, hide cuttings and leather and skin waste						
Wet	79.4	427	6.5	31	85.8	458
Dry						
Imported as such	..	(a)	..	(a)	3.7	130
Other	..	(a)	..	(a)	9.3	147
Starch and dextrine	16.5	825	-	-	16.5	825
All other purchased materials	..	1,818	..	22	..	1,839
Unclassified purchased materials	..	207	-	-	..	207
Fuel and electricity						
Coal	129.4	323	12.3	29	141.7	353
Coke	18.6	41	-	-	18.6	41
Electricity purchased (b)	..	(a)	..	(a)	18,527	78
Electricity obtained from other works under the same ownership	-	-	-	-	-	-
	Th.galls.		Th.galls.		Th.galls.	
Motor spirit (petrol) and derv. fuel						
Used for road vehicles	137	12	9	1	145	12
Used for other power purposes	..	(a)	..	(a)	5	-
Other oil fuel (including creosote/pitch mixtures)	758	22	-	-	758	22

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
Fuel and electricity (contd.)		£'000		£'000	Th. therms	£'000
Gas purchased						
From public supply	..	(a)	..	(a)	140	4
From other sources	-	-	-	-	..	3
Gas obtained from other works under the same ownership	-	-	-	-	-	-
All other purchased fuel	..	107	-	-	..	107
Total		6,662		191		6,854

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

(b) The total quantity of electricity consumed in Great Britain was 24,527,000 B.T. units, including 6,000,000 generated in the same works. Owing to the risk of disclosure of information relating to individual firms, separate figures for England and Wales and for Scotland cannot be given.

Employment and remuneration  
Larger establishments

TABLE 25

	England and Wales			Scotland			Great Britain		
	Average number of operatives	Administrative, technical and clerical employees (a)	Total	Average number of operatives	Administrative, technical and clerical employees (a)	Total	Average number of operatives	Administrative, technical and clerical employees (a)	Total
Males									
Under 18	123	26	149	7	-	7	130	26	156
All ages	2,773	687	3,460	206	25	231	2,979	712	3,691
Females									
Under 18	152	60	212	3	6	9	155	66	221
All ages	812	411	1,223	50	25	75	862	436	1,298
Total									
Under 18	275	86	361	10	6	16	285	92	377
All ages	3,585	1,098 (b)	4,683 (b) (c)	256	50	306 (c)	3,841	1,148 (b)	4,989 (b) (c)
Total remuneration	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
	1,118	556	1,673	68	21	89	1,185	577	1,762

(a) Number at September 25, 1948.

(b) There were, in addition, 2 working proprietors (1 male and 1 female), both in England and Wales.

(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 £39,000; £37,000 for England and Wales, and £2,000 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)
	Great Britain (b)		Great Britain (b)
1948		1948	
January	100.5	August	95.6
February	101.3	September	97.2
March	102.8	October	100.8
April	101.6	November	102.3
May	99.3	December	101.8
June	99.5	Percentage employment in this trade covered by the index	35.3
July	97.5		

(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) Owing to the risk of disclosure of information relating to individual firms, separate index numbers for England and Wales and for Scotland cannot be given.

1800/6/L16

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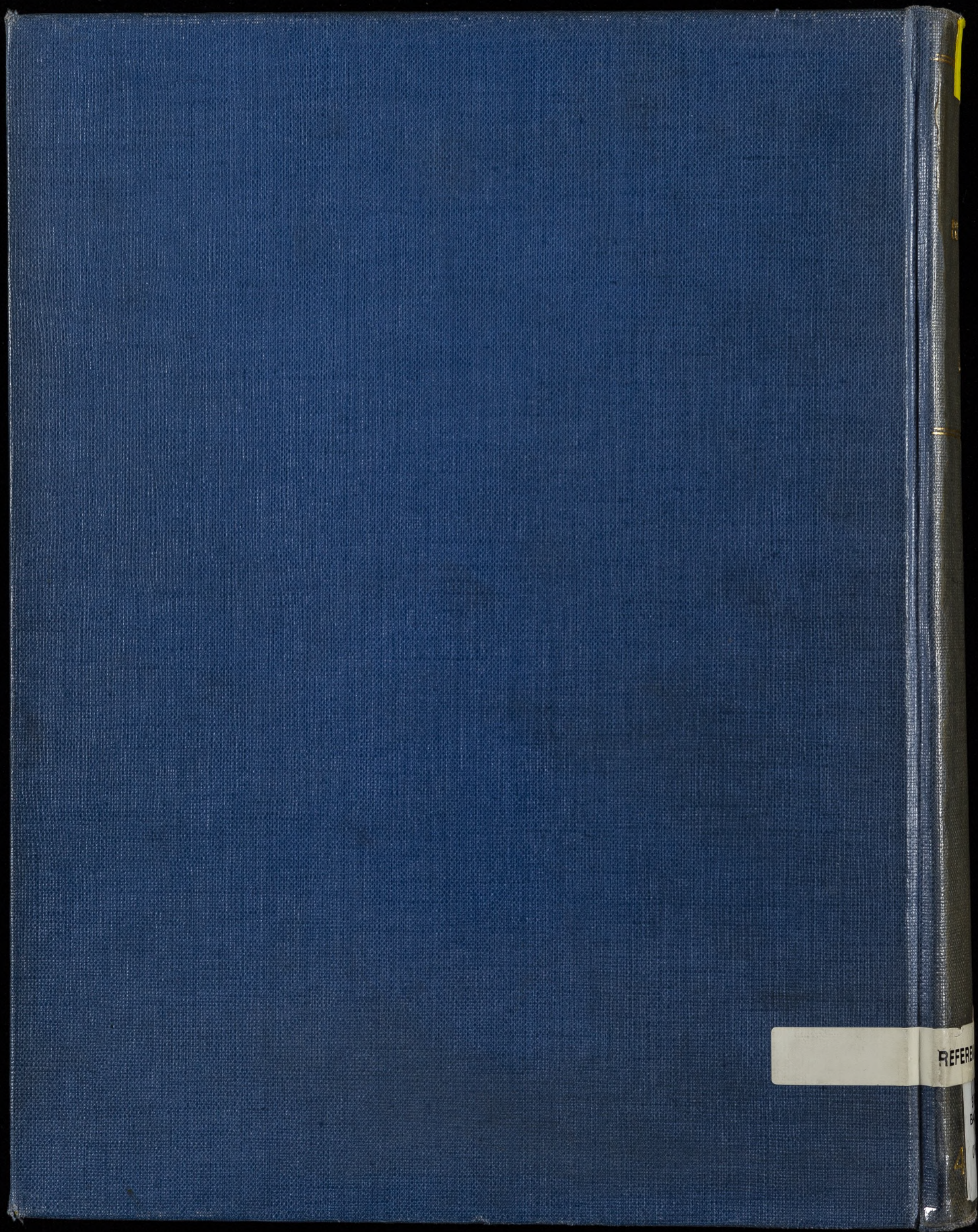
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