

THE PRESERVED FOODS TRADE

Note.—For information regarding the scope of the Census, instructions given to firms for making returns, and definitions of the terms used in this report, reference should be made to the Introductory Notes on pages v to xviii.

Introductory

This trade comprises firms that were engaged wholly or mainly in the manufacture of preserved meat and fish (except bacon and hams and cured fish, for which see pages 95 and 139), fruit, vegetables, pickles, sauces and condiments and kindred goods. In the Final Report on the Third Census of Production (1924) the output of a small group of firms that was assigned to this trade for 1930 was included in the Starch and Polishes Trade.* In order to maintain comparability the returns made by these firms for 1924 have been transferred to the Preserved Foods Trade and the aggregates given in the present report for that year differ, therefore, from those published for this trade in the report on the previous Census. The gross output of the firms concerned in 1924 was £2,115,000, and the number of persons employed was 2,681.

The following table shows the main results of the Censuses of 1930 and 1924 in respect of firms in Great Britain that employed an average of more than ten persons :—

Particulars	Unit	1930	1924
Value of goods made and work done (Gross output)	£'000	33,486	31,133
Cost of materials used	„	19,470	18,653
Net output	„	14,016	12,480
Average number of persons employed	No.	42,525	37,036
Net output per person employed	£	330	337
Power available :—			
Prime movers	H.P.	12,972	13,526
Electric motors driven by purchased electricity	„	27,378	13,996
Number of returns	No.	320	312
Number of establishments	„	346	†

* See page 395.

† Not available.

Deficiencies in 1930 aggregates.—The aggregate number of persons employed in 1930 by firms that stated that they employed not more than ten persons on the average was 1,471, the corresponding figure for 1924 being 1,007. Particulars of the output recorded by these firms for 1924 are shown below:—

	£'000
Preserved meat and fish in tins or glasses	40
Pickles, sauces and condiments (except salt and mustard)	84
Preserved fruit:—	
Marmalade, jams and fruit jellies	276
Other and unclassified kinds	20
Farinaceous preparations (including infants' and invalids' foods) and vegetarian products	24
Baking powder	31
Blancmange, custard and similar powders	37
Lemon curd and lemon cheese	25
Fruit juices and syrups	21
Other food products	171
Chemical, medicinal, etc., products	20
Other goods	5
TOTAL	754†

† Includes £196,000 in respect of output in Northern Ireland, details of which cannot be published owing to the risk of disclosure of information relating to the business of individual firms.

In addition, 39 firms to which schedules were sent at the 1930 Census, and 55 at that of 1924, furnished no information; these firms either had small businesses or had ceased productive operations before the end of the censal year.

Size of firms.—In the following table the main particulars recorded at the Census of 1930 are grouped according to the average numbers of persons shown in the returns:—

Size of firm (average numbers employed)	Number of returns	Gross output	Net output	Average number of persons employed	Net output per person employed
	No.	£'000	£'000	No.	£
11-24 ...	68	695	244	1,184	206
25-49 ...	81	1,929	702	2,852	246
50-99 ...	74	3,924	1,398	5,039	277
100-199 ...	41	4,616	2,024	5,800	349
200-299 ...	24	3,623	1,354	5,802	233
300-399 ...	6	1,267	511	2,029	252
400-499 ...	8	4,329	1,800	3,676	490
500-749 ...	8	4,800	2,247	4,917	457
750-999 ...	6	4,028	1,839	4,944	372
1,000 and over ...	4	4,275	1,897	6,282	302
TOTAL ...	320	33,486	14,016	42,525	330

Regional distribution.—In the following table the results recorded at the Censuses of 1930 and 1924 are grouped according to the principal areas* of Great Britain in which firms in this trade are situated:—

Area	Number of returns	Gross output	Net output	Average number of persons employed	Net output per person employed	
	No.	£'000	£'000	No.	£	
1 ...	1930	102	14,177	5,823	16,783	347
	1924	95	13,100	5,456	14,377	379
2 ...	1930	61	3,945	1,405	5,952	236
	1924	54	4,129	1,271	4,908	259
3 and 7...}	1930	18	655	226	1,016	222
	1924	23	899	289	1,136	254
4 ...}	1930	13	1,194	572	1,472	388
	1924	12	956	370	1,642	225
5 ...}	1930	23	2,667	1,553	2,941	528
	1924	21	2,744	1,432	2,840	504
6 ...}	1930	65	7,715	3,208	10,559	304
	1924	66	6,467	2,536	8,968	283
9 ...}	1930	23	2,562	995	2,635	378
	1924	21	2,441	999	2,456	407
10 ...}	1930	15	571	234	1,167	201
	1924	20	397	127	709	179
TOTAL ...}	1930	320	33,486	14,016	42,525	330
	1924	312	31,133	12,480	37,036	337

Northern Ireland.—The following table summarises the particulars recorded at the Census of Production taken by the Government of Northern Ireland for 1930, together with those furnished at the 1924 Census. The 1930 figures relate to firms that employed an average of more than five persons, while those for 1924 relate to all firms. Owing to the possible disclosure of information relating to individual firms, detailed particulars of the output cannot be given.

Particulars	Unit	1930	1924
Value of goods made and work done (Gross output)	£'000	163	196
Cost of materials used	„	65	111
Net output	„	98	85
Average number of persons employed	No.	208	254
Net output per person employed	£	471	333
Power available:—			
Prime movers	H.P.	197	131
Electric motors driven by purchased electricity	„	25	20

* For particulars see page xviii.

Production

Principal products.—The following table shows the value and, where available, the quantity of the various classes of preserved foods, etc., made in 1930 and 1924 :—

Kind of goods	1930						1924	
	Returned on schedules for						Total	
	The Preserved Foods Trade			All trades				
	Quantity	Value	Entries	Quantity	Value	Entries	Quantity	Value
Th. cwts.	£'000	No.	Th. cwts.	£'000	No.	Th. cwts.	£'000	
Preserved meat in tins, glasses, etc. ...	116	843	18	123	888	38	172	3,726
Meat extracts and essences ...	98	3,003	11	98	3,003	11		
Fish, canned :—								
Herrings ...	111	249	7	115	257	8	132	321
Other fish (including shell fish) ...	21	78	13	25	99	17	19	60
Meat and fish paste in tins or glasses ...	95	1,253	28	96	1,268	56	...	769
Preserved meat, fish, etc., not separately distinguished ...	—	—	—	—	—	—	...	85
TOTAL—Preserved meat and fish ...	441	5,426	...	457	5,515	...	...	5,246
Pickles, sauces and condiments (except salt) :—								
Pickles ...	382	1,097	73	382	1,097	73	299	1,130
Other kinds† ...	551	3,351	80	559	3,381	91			382	1,783
TOTAL—Pickles, sauces, etc. ...	933	4,448	...	941	4,478	...	...	3,122
Vegetables, dried, canned or bottled ...	314	768	25	314	768	25	40	164
Ground spices ...	90	669	21	100	766	22			112	512
Preserved fruit :—								
Marmalade, jams and fruit jellies... ..	3,229	7,684	125	3,377	8,069	193	3,577	12,395
Fruit preserved without sugar, tinned or bottled ...	125	302	72	153	373	79	59	219
Fruit in syrup, tinned or bottled ...	190	557	46	216	674	52	58	253
Candied or drained peel ...	165	440	41	192	518	49	188	715
Other kinds of preserved fruit :—								
Cherries† ...	10	59	12	12	71	13	53	226
Other and unclassified kinds ...	16	36	15	18	53	17		
TOTAL—Preserved fruit	3,735	9,078	...	3,968	9,758	...	3,935	13,808

Kind of goods	1930						1924	
	Returned on schedules for						Total	
	The Preserved Foods Trade			All trades				
	Quantity	Value	Entries	Quantity	Value	Entries	Quantity	Value
Th. cwts.	£'000	No.	Th. cwts.	£'000	No.	Th. cwts.	£'000	
Farinaceous preparations (including patent and proprietary foods, not specifically medicinal) :—								
Of wheat ...	392	792	9	399	795	12	901†	2,552†
Other sorts§ ...	*	8	1	*	225	13		
Vegetarian preparations (potato crisps, yeast foods, nut foods, etc.)† ...	29	94	2	29	94	2	*	343†
Jelly squares, powders and crystals ...	...	1,118	67	...	1,311	77	...	1,345
Bottled jellies (not including fruit jellies)	9	61	16	9	61	16	...	63
Baking powder ...	73	439	44	77	455	52	130	681
Blancmange, custard and similar powders	256	1,124	42	266	1,159	47	...	1,606
Lemon curd and lemon cheese ...	*	145	9	*	164	14		
Nuts, ground, prepared, etc. ...	...	245	63	...	268	70	...	248
Cake mixtures ...	...	865	21	...	933	27	...	504†
Sugar, ground and otherwise prepared for icing, fondants, etc. ...	...	443	25	...	456	29	...	499
Coffee and chicory essences and extracts	...	706	31	...	709	32	...	259†
Soups, tinned or bottled (including soup squares and powders) ...	...	1,151	13	...	1,350	15	...	1,639
Grocers' sundries, etc. (including gravy salt and other preparations for gravy making) ...	...	411	25	...	420	36		
...	...	527	...	...	583	...	...	...
TOTAL—PRINCIPAL PRODUCTS ...	...	29,948	...	...	32,190	...	...	32,614

* Quantity not stated.

† Including *mustard* in 1930.

§ Including *mustard* in 1924.

‡ So far as separately recorded.

Prices.—The average selling values of certain kinds of preserved foods, etc., in 1930 and 1924, as calculated from the Census returns, are shown in the following table. It should be borne in mind that these comparisons do not take account of any changes that may have occurred since the earlier year in the quality or type of goods included under the specified descriptions.

Kind of goods	Average value		1930 as a percentage of 1924
	1930	1924	
	£ per cwt.	£ per cwt.	Per cent.
Preserved meat in tins, etc. (including meat extracts and essences)	17.62	20.07	87.8
Canned herrings	2.24	2.43	92.2
Pickles	2.87	3.78	75.9
Vegetables, dried, canned or bottled	2.45	4.15	59.0
Ground spices	7.65	4.59	166.7
Preserved fruit :—			
Marmalade, jams and fruit jellies	2.39	3.47	68.9
Fruit preserved without sugar, tinned or bottled	2.43	3.72	65.3
Fruit in syrup, tinned or bottled	3.13	4.34	72.1
Candied or drained peel	2.69	3.81	70.6
Baking powder	5.89	5.38	109.5

Volume of production in 1930 and 1924.—The following table compares the volume of production of preserved foods, etc., in 1930 and 1924. The aggregates for "Other goods" comprise a number of classes for which comparable production figures are not available separately for publication and other goods for which values only were recorded. The estimated figure shown for this group of goods for 1924 is based so far as possible on the average values recorded for the individual items in the two years.

Kind of goods	Total production			1930 as a percentage of 1924
	1930	1924		
	As returned	As returned	At 1930 average values	
	£'000	£'000	£'000	Per cent.
Preserved meat in tins, glasses, etc., and meat extracts and essences	3,891	4,011	3,756	104
Canned fish	356	381	370	96
Meat and fish paste in tins or glasses	1,268	769	802*	158
Preserved meat, fish, etc., not separately distinguished	—	85		
TOTAL—Preserved meat and fish	5,515	5,246	4,928	112
Pickles	1,097	1,339	1,017	108
Vegetables, dried, canned or bottled	768	187	110	698
Ground spices	766	512	853	90
Preserved fruit :—				
Marmalade, jams and fruit jellies	8,069	12,395	8,538	95
Fruit preserved without sugar, tinned or bottled	373	219	143	261
Fruit in syrup, tinned or bottled	674	253	182	370
Candied or drained peel	518	715	505	103
Other kinds of preserved fruit	124	226	213	58
TOTAL—Preserved fruit	9,758	13,808	9,581	102
Baking powder	455	681	746	61
Jelly squares, powders and crystals and bottled jellies	1,372	1,408	970†	141
Other goods	12,459	9,433	8,655	†
TOTAL	32,190	32,614	26,860	120

* Based on average values of preserved meats in tins, glasses, etc., and canned fish.

† Based on average values of marmalade, jams and fruit jellies.

‡ This figure would have no significance.

Work done for the trade or on commission.—The total amount recorded as received for work done for the trade in 1930 was £20,000; such work was not separately recorded in 1924.

Production, exports and imports.—The following table shows, in relation to production, the quantities of the principal classes of preserved foods, etc., exported from the United Kingdom in 1930 and 1924, together with the quantities imported and retained. The figures for 1924 include the output of firms in Northern Ireland and, in addition, the output of the small firms.

Kind of goods	Production	Exports	Proportion of production exported	Retained imports	Available for use in the United Kingdom	Share of home market held by British products	
	Th. cwts.	Th. cwts.	Per cent.	Th. cwts.	Th. cwts.	Per cent.	
Preserved meat in tins, glasses, etc. ... 1930	123	20	16.3	1,292	1,395	7.4	
Meat extracts and essences ... 1930	98	14	14.4	85||	169	49.6	
TOTAL—Preserved meat in tins, etc., and meat extracts and essences ...	1930	221	34	15.5	1,377	1,564	11.9
	1924	188*§	31	16.5	892	1,049	15.0
Fish, canned :—							
Herrings ... 1930	115	86	75.0	7	36	79.6	
Other fish (including shell fish) ... 1930	25	19	75.7	1,289	1,295	0.5	
TOTAL—Canned fish ...	1930	140	105	75.1	1,296	1,331	2.6
	1924	151*	131	86.8	1,065	1,085	1.8
Vegetables, dried, canned or bottled ...							
1930	314	8	2.5	751	1,057	28.9	
1924	47§	8	17.0	718	757	5.1	
Preserved fruit :—							
Marmalade, jams and fruit jellies ...	1930	3,377	102	3.0	3	3,278	99.9
	1924	3,669	128	3.5	3	3,544	99.9
Fruit preserved without sugar, tinned or bottled ...	1930	153	5	3.0	317	465	31.9
	1924	60	4	6.1	384	440	12.8
Fruit in syrup, tinned or bottled ...	1930	216	3	1.2	2,465†	2,678	8.0
	1924	58	3	4.4	2,059†	2,114	2.7
Candied or drained peel	1930	192	5	2.6	1	188	99.3
	1924	188	11	5.8	‡	177	99.8

|| Relates to "beef extracts and essences" only.

* Not including £103,000 recorded for "preserved meat, poultry, fish, etc., not separately distinguished."

§ Including rough estimates of quantities returned by value only.

† Including ginger preserved in syrup or sugar and tamarinds preserved in syrup but excluding fruit pulp preserved in syrup.

‡ Less than 500 cwts.

Other products.—In addition to the output shown in the table of principal products, the following goods were produced in 1930 and 1924 by firms that made their returns on schedules for the Preserved Foods Trade. These goods are dealt with in the reports on those trades in which the principal output was recorded.

Kind of goods	1930	1924
	Value	Value
	£'000	£'000
Christmas puddings, mincemeat, etc. ...	489	207
Cocoa and sugar confectionery ...	947	311
Flavouring and culinary essences ...	132	444
Fruit juices and syrups ...	72	26
Pies, sausages, brawn, etc. ...	111	466
Powders and essences for beverages ...	237	183
Vinegar (bottled) and vinegar and acetic acid for table use	165	96
Other food and drink products (including table salt) ...	724	397
Drugs, medicines and medicinal preparations (including infants' and invalids' foods) ...	580	625
Other goods ...	61	77
TOTAL ...	3,518	2,832

Employment and Wages

Employment.—The following table shows the average numbers of persons employed in 1930 and 1924 :—

Persons employed	Males		Females		Total	
	Under 18	All ages	Under 18	All ages	Under 18	All ages
1930						
Operatives (average for the year)	832	10,663	6,344	24,588	7,176	35,251
Administrative, technical and clerical staff (as at 18th October) ...	229	4,871	466	2,403	695	7,274
TOTAL ...	1,061	15,534	6,810	26,991	7,871	42,525
1924						
Operatives (average for the year)	652	9,374	5,148	21,690	5,800	31,064
Administrative, technical and clerical staff (as at 18th October) ...	201	4,066	214	1,906	415	5,972
TOTAL ...	853	13,440	5,362	23,596	6,215	37,036

Wages.—The available information as to the amount of wages paid in 1930 and 1924 is given on pages 18 and 19.

Power

The following table shows the capacity of prime movers, electric generators and electric motors ordinarily in use and in reserve or idle in 1930 and 1924 :—

Power equipment	1930			1924		
	Ordinarily in use	In reserve or idle	Total	Ordinarily in use	In reserve or idle	Total
PRIME MOVERS	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Reciprocating steam engines	8,487	1,688	10,175	8,109	2,383	10,492
Steam turbines	8	—	8	8	—	8
Internal combustion engines :—						
Gas	1,283	393	1,676	2,554	256	2,810
Petrol, kerosene, or other light oils	46	79	125	151	—	151
Heavy oils	878	110	988	5	—	5
Water engines	—	—	—	60	—	60
TOTAL	10,702	2,270	12,972	10,887	2,639	13,526
ELECTRIC GENERATORS	Kw.	Kw.	Kw.	Kw.	Kw.	Kw.
Driven by						
Reciprocating steam engines	4,432	1,184	5,616	4,118	1,759	5,877
Internal combustion engines :—						
Gas	192	155	347	687	50	737
Petrol, kerosene, or other light oils	25	40	65	62	—	62
Heavy oils	410	79	489	—	—	—
Water engines	—	—	—	10	—	10
TOTAL	5,059	1,458	6,517	4,877	1,809	6,686
ELECTRIC MOTORS	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Driven by						
Electricity generated in same works	5,470	335	5,805	7,185	1,271	8,456
Purchased electricity	25,402	1,976	27,378	12,918	1,078	13,996
TOTAL	30,872	2,311	33,183	20,103	2,349	22,452

Consumption of fuel

The following table shows the quantities of coal, coke and electricity recorded as used in 1930 :—

Kind of fuel used	For power (driving engines)	For other purposes (so far as recorded)	For power and other purposes, not separately distinguished
	Tons	Tons	Tons
Coal	33,238	106,578*	6,236
Coke	6,413	14,692*	47
Electricity used for all purposes :—			B.T.U. (Kw.-hrs.) '000
Generated in same works			6,350
Purchased			13,782
TOTAL—Electricity			20,132

* These figures were recorded by firms representing 93.7 per cent. of the net output of the whole trade.

TABLES

I. Summary of results

Particulars	Unit	England and Wales	Scotland	Great Britain
Value of goods made and work done (Gross output)	£'000	30,353	3,133	33,486
Cost of materials used	"	17,566	1,904	19,470
Net output	"	12,787	1,229	14,016
Average number of persons employed ...	No.	38,723	3,802	42,525
Net output per person employed ...	£	330	323	330
Power available :—				
Prime movers	H.P.	11,107	1,865	12,972
Electric motors driven by purchased electricity	"	25,598	1,780	27,378

II. Production

Kind of goods made and work done	Unit	England and Wales	Scotland	Great Britain
Preserved meat in tins, glasses, etc.	<i>Th. cwts.</i> £'000	*	*	116 843
Meat extracts and essences	<i>Th. cwts.</i> £'000	*	*	98 3,003
Fish, canned :—				
Herrings	<i>Th. cwts.</i> £'000	*	*	111 249
Other fish (including shell fish)	<i>Th. cwts.</i> £'000	19 70	2 8	21 78
Meat and fish paste in tins or glasses	<i>Th. cwts.</i> £'000	*	*	95 1,253
TOTAL—Preserved meat and fish	<i>Th. cwts.</i> £'000	370 5,274	71 152	441 5,426
Pickles, sauces and condiments (except salt) :—				
Pickles	<i>Th. cwts.</i> £'000	374 1,074	8 23	382 1,097
Other kinds (including mustard) ...	<i>Th. cwts.</i> £'000	538 3,310	13 41	551 3,351
TOTAL—Pickles, sauces, etc.	<i>Th. cwts.</i> £'000	912 4,384	21 64	933 4,448
Vegetables, dried, canned or bottled	<i>Th. cwts.</i> £'000	*	*	314 768
Ground spices	<i>Th. cwts.</i> £'000	*	*	90 669

Kind of goods made and work done	Unit	England and Wales	Scotland	Great Britain
Preserved fruit :—				
Marmalade, jams and fruit jellies	<i>Th. cwts.</i> £'000	2,826 6,724	403 960	3,229 7,684
Fruit preserved without sugar, tinned or bottled	<i>Th. cwts.</i> £'000	*	*	125 302
Fruit in syrup, tinned or bottled	<i>Th. cwts.</i> £'000	*	*	190 557
Candied or drained peel	<i>Th. cwts.</i> £'000	160 426	5 14	165 440
Other kinds of preserved fruit :—				
Cherries†	<i>Th. cwts.</i> £'000	10 59	—	10 59
Other and unclassified kinds ...	<i>Th. cwts.</i> £'000	16 36	—	16 36
TOTAL—Preserved fruit	<i>Th. cwts.</i> £'000	3,318 8,071	416 1,007	3,735 9,078
Farinaceous preparations (including patent and proprietary foods, not specifically medicinal) :—				
Of wheat	<i>Th. cwts.</i> £'000	*	*	392 792
Other sorts	<i>Th. cwts.</i> £'000	8	—	8 229
Vegetarian pre- parations (pota- to crisps, yeast foods, nut foods, etc.)†	<i>Th. cwts.</i> £'000	29 94	—	29 94
Soups, tinned or bottled (including soup squares and powders)	£'000	*	*	411
Jelly squares, powders and crystals ...	£'000	1,054	64	1,118
Bottled jellies (not including fruit jellies)	<i>Th. cwts.</i> £'000	9 61	—	9 61
Baking powder	<i>Th. cwts.</i> £'000	*	*	73 439
Blanc mange, custard and similar pow- ders	<i>Th. cwts.</i> £'000	*	*	256 1,124
Lemon curd and lemon cheese ...	£'000	243	2	245
Nuts, ground, prepared, etc.	£'000	865	—	865
Cake mixtures	£'000	*	*	443
Coffee and chicory essences and extracts	£'000	102	1,049	1,151
Sugar, ground and otherwise prepared for icing, fondants, etc.	£'000	*	*	706
Grocers' sundries, etc. (including gravy salt and other preparations for gravy making)	£'000	525	2	527
Christmas puddings, mincemeat, etc. ...	£'000	*	*	489
Cocoa and sugar confectionery ...	£'000	941	6	947
Flavouring and culinary essences ...	£'000	*	*	132

Kind of goods made and work done	Unit	England and Wales	Scotland	Great Britain
Fruit juices and syrups	£'000	66	6	72
Pies, sausages, brawn, etc.	£'000	111	—	111
Powders and essences for beverages ...	£'000	*	*	237
Vinegar (bottled) and vinegar and acetic acid for table use	£'000	158	7	165
Other food and drink products (including table salt)	£'000	672	52	724
Drugs, medicines and medicinal preparations (including infants' and invalids' foods)	£'000	571	9	580
Other goods	£'000	35	26	61
Work done for the trade or on commission	£'000	8‡	12‡	20‡
TOTAL VALUE OF GOODS MADE AND WORK DONE (GROSS OUTPUT) ...	£'000	30,353	3,133	33,486

* Owing to the possible disclosure of information relating to individual firms, separate particulars for England and Wales and for Scotland cannot be given.

† So far as recorded separately.

‡ Amount received.

III. Employment

A.—NUMBERS EMPLOYED IN WEEK ENDED 18TH OCTOBER, 1930

Persons employed	Males		Females		Males and females	
	Under 18	All ages	Under 18	All ages	Under 18	All ages
<i>England and Wales :—</i>						
Operatives	797	9,851	5,728	22,391	6,525	32,242
Administrative, etc.*	206	4,486	439	2,193	645	6,679
TOTAL	1,003	14,337	6,167	24,584	7,170	38,921
<i>Scotland :—</i>						
Operatives	33	789	602	2,143	635	2,932
Administrative, etc.*	23	385	27	210	50	595
TOTAL	56	1,174	629	2,353	685	3,527
<i>Great Britain :—</i>						
Operatives	830	10,640	6,330	24,534	7,160	35,174
Administrative, etc.*	229	4,871	466	2,403	695	7,274
TOTAL	1,059	15,511	6,796	26,937	7,855	42,448

* Administrative, technical and clerical staff.

B.—OPERATIVES EMPLOYED IN ONE WEEK IN EACH MONTH OF 1930

Week ended	Males and females			Week ended	Males and females		
	England and Wales	Scotland	Great Britain		England and Wales	Scotland	Great Britain
Jan. 18 ...	32,169	3,241	35,410	July 19 ...	35,701	3,924	39,625
Feb. 15 ...	31,487	3,180	34,667	Aug. 16 ...	33,918	3,844	37,762
Mar. 15 ...	30,304	2,922	33,226	Sept. 13 ...	32,309	3,107	35,416
April 12 ...	29,751	2,913	32,664	Oct. 18 ...	32,242	2,932	35,174
May 17 ...	30,872	2,902	33,774	Nov. 15 ...	32,108	2,902	35,010
June 21 ...	32,541	3,703	36,244	Dec. 13 ...	31,128	2,908	34,036
AVERAGE FOR THE TWELVE MONTHS					32,044	3,207	35,251

IV. Power

PARTICULARS OF PRIME MOVERS, ELECTRIC GENERATORS AND ELECTRIC MOTORS

Power equipment	England and Wales		Scotland		Great Britain	
	Ordinarily in use	In reserve or idle	Ordinarily in use	In reserve or idle	Ordinarily in use	In reserve or idle
PRIME MOVERS	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Reciprocating steam engines	7,250	1,567	1,237	121	8,487	1,688
Steam turbines	8	—	—	—	8	—
Internal combustion engines :—						
Gas	1,013	376	270	17	1,283	393
Petrol, kerosene, or other light oils	16	17	30	62	46	79
Heavy oils	810	50	68	60	878	110
TOTAL	9,097	2,010	1,605	260	10,702	2,270
TOTAL OF PRIME MOVERS INSTALLED	11,107		1,865		12,972	
ELECTRIC GENERATORS	Kw.	Kw.	Kw.	Kw.	Kw.	Kw.
Driven by						
Reciprocating steam engines	3,957	1,084	475	100	4,432	1,184
Internal combustion engines :—						
Gas	192	145	—	10	192	155
Petrol, kerosene, or other light oils	4	—	21	40	25	40
Heavy oils	367	40	43	39	410	79
TOTAL	4,520	1,269	539	189	5,059	1,458
TOTAL OF ELECTRIC GENERATORS INSTALLED	5,789		728		6,517	

Power equipment	England and Wales		Scotland		Great Britain	
	Ordinarily in use	In reserve or idle	Ordinarily in use	In reserve or idle	Ordinarily in use	In reserve or idle
ELECTRIC MOTORS	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Driven by						
Electricity generated in same works ...	4,680	302	790	33	5,470	335
Purchased electricity	23,827	1,771	1,575	205	25,402	1,976
TOTAL	28,507	2,073	2,365	238	30,872	2,311
TOTAL OF ELECTRIC MOTORS INSTALLED	30,580		2,603		33,183	

V. Consumption of fuel

Kind of fuel used	England and Wales	Scotland	Great Britain
	Tons	Tons	Tons
Coal used for power*	24,743	8,495	33,238
Coke used for power*	6,413	—	6,413
	B.T.U. (Kw.-hrs.)	B.T.U. (Kw.-hrs.)	B.T.U. (Kw.-hrs.)
Electricity used for all purposes :—	'000	'000	'000
Generated in same works	5,447	903	6,350
Purchased	12,857	925	13,782
TOTAL—Electricity	18,304	1,828	20,132

* In addition, 6,236 tons of coal (5,002 tons in England and Wales and 1,234 tons in Scotland) and 47 tons of coke (all in England and Wales) were recorded as used for power and for other purposes, not separately distinguished.