

### THE LACE 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 or in the bleaching, dyeing, dressing and finishing of lace and lace goods.

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 10 persons :—

Particulars.	Unit.	1930.	1924.
Value of goods made and work done (Gross output)	£'000.	7,449	9,130
Cost of materials used ... ..	"	4,507	5,659
Paid for work given out to other firms ... ..	"	200	521
Net output ... ..	"	2,742	2,950
Average number of persons employed (excluding outworkers)...	No.	15,635	17,854
Net output per person employed (excluding outworkers) ... ..	£	175	165
Mechanical power available :—			
Prime movers ... ..	H.P.	8,491	10,318
Electric motors driven by purchased electricity...	"	5,730	3,596
Number of returns ... ..	No.	252	322
Number of establishments ... ..	"	283	*

\* Not available.

**Deficiencies in 1930 aggregates.**—The aggregate number of persons employed in 1930 by firms that stated that they employed not more than 10 persons on the average was 1,116, the corresponding figure for 1924 being 1,163. The value of the gross output of the small firms in 1924 was £660,000, and particulars of the items included in this figure are given below :—

	£'000.
Lace and lace goods finished (lace warehouses) ...	411
Cotton net ... ..	21
Cotton lace curtains and piece-goods made on curtain machines ... ..	33
Cotton lace and articles thereof (made on machines other than net or curtain machines) ... ..	171
Other goods ... ..	24
<b>Total value ... ..</b>	<b>660</b>

In addition, 30 firms to which schedules were sent at the 1930 Census, and 50 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).	No. of returns.	Gross output.	Net output.	Average number of persons employed (excluding outworkers).	Net output per person employed
11-24 ... ..	78	£'000. 788	£'000. 254	1,348	£ 188
25-49 ... ..	83	1,515	555	2,856	194
50-99 ... ..	52	2,026	679	3,708	183
100-199 ... ..	25	1,642	628	3,444	183
200-299 ... ..	7	826	305	1,696	180
300 and over ... ..	7	652	321	2,583	124
<b>TOTAL ...</b>	<b>252</b>	<b>7,449</b>	<b>2,742</b>	<b>15,635</b>	<b>175</b>

**Regional distribution.**—Particulars of production, etc., in England and Wales and in Scotland in 1930 will be found in the tables on pages 220-224. More detailed figures cannot be given owing to the risk of disclosure of information relating to individual firms.

**Northern Ireland.**—No production of lace was recorded for Northern Ireland in either 1930 or 1924.

**Sub-divisions of the trade.**—As explained below, the Lace Trade may be divided broadly into two sections, viz.: Manufacturing firms and Lace warehouses. The following figures summarise the results shown by the returns for these two sections :—

Particulars.	Unit.	Manufacturing firms.	Lace warehouses.	Total.
Value of goods made and work done (Gross output) ... ..	£'000	5,021	2,428	7,449
Net output ... ..	"	2,183	559	2,742
Average number of persons employed (excluding outworkers) ... ..	No.	12,871	2,764	15,635
Net output per person employed ... ..	£	170	202	175
Number of returns ... ..	No.	202	50	252

### Production.

**Principal products.**—The following table shows in summary form the value of the output of lace and lace goods in 1930 and 1924 :—

Kind of goods.	1930.		1924.
	Returned on schedules for		Total.
	The Lace Trade.	All trades.	
Cotton net, lace, etc. ... ..	£'000. 2,837	£'000. 2,863	£'000. 4,471
Silk and artificial silk net, lace, etc. ... ..	1,193	1,280	335
Muslin curtains ... ..	105	105	430
Embroidery and needlework on net and dissoluble fabrics ... ..	126	126	70
<b>TOTAL ... ..</b>	<b>4,261</b>	<b>4,374</b>	<b>5,306</b>
Lace warehouses—output ... ..	2,381	2,381	3,022
Work done for the trade ... ..	649	649	800
<b>GRAND TOTAL ... ..</b>	<b>7,291</b>	<b>7,404</b>	<b>9,128</b>

The values shown for the various descriptions of cotton lace and lace goods, in the above and succeeding tables, represent for the most part materials in the "brown" or unfinished form, while the amounts shown under the heading "Lace warehouses" are the values of goods in the finished state. Lace warehouses are firms that purchase brown lace, which they subject to various processes such as carding, mending, scalloping, etc., for re-sale as finished lace. A few manufacturing firms maintained their own finishing departments and in these cases the value of the lace made was returned in the brown state and that of the finishing processes was shown separately under the heading of "Lace warehouses."

The gross output value of the Lace Trade, made up of the aggregate output of the two sections together, contains a considerable amount of duplication owing to the inclusion of the value of lace and lace goods both in the brown and in the finished form.

Separate particulars are given in the following paragraphs in respect of the manufacturing and the finishing sections of the trade.

**Output of lace manufacturers.**—The following table shows the values and, where available, the quantities of the chief products of the Lace Trade in 1930 and 1924.

Kind of goods.	1930.				1924.
	Returned on schedules for				Total.
	The Lace Trade.		All trades.		
	Value.	Entries.	Value.	Entries.	Value.
£'000.	No.	£'000.	No.	£'000.	
Cotton net :—					
Quantity stated	597 <i>Th. sq. yds.</i> 29,708	36	622 <i>Th. sq. yds.</i> 30,664	38	551 <i>Th. sq. yds.</i> 26,506
Quantity not stated ...	—	—	—	—	331
Cotton lace curtains and piece - goods made on curtain machines ...	1,830	60	1,831	61	2,218
Other cotton lace goods made on curtain machines	35	14	35	14	222
Cotton lace and articles thereof (made on machines other than net or curtain machines) ...	375	48	375	48	1,149
<b>TOTAL—Cotton net, lace, etc.</b>	<b>2,837</b>	<b>...</b>	<b>2,863</b>	<b>...</b>	<b>4,471</b>
Silk lace and articles thereof (except embroidery) ...	123 <i>Th. lbs.</i> 205	18	123 <i>Th. lbs.</i> 205	18	278
Silk net :—					
Quantity stated ...	19 <i>Th. sq. yds.</i> 827	8	79 <i>Th. sq. yds.</i> 3,186	10	
Quantity not stated ...	63	5	63	5	
Artificial silk lace and articles thereof (except embroidery) :—					57†
Wholly of artificial silk :—					
Quantity stated	38 <i>Th. lbs.</i>	2	38 <i>Th. lbs.</i>	2	
Quantity not stated ...	65 10	2	65 10	2	
Of artificial silk mixed with other materials :					
Quantity stated	344 <i>Th. lbs.</i>	39	344 <i>Th. lbs.</i>	39	
Quantity not stated ...	851 115	9	851 115	9	

Kind of goods.	1930.				1924.
	Returned on schedules for				Total.
	The Lace Trade.		All trades.		
	Value.	Entries.	Value.	Entries.	Value.
£'000.	No.	£'000.	No.	£'000.	
Artificial silk net :—					‡
Wholly of artificial silk :—					
Quantity stated	77 <i>Th. sq. yds.</i> 2,233	12	104 <i>Th. sq. yds.</i> 2,879	13	
Quantity not stated ...	92	7	92	7	
Of artificial silk mixed with other materials :					
Quantity stated	172 <i>Th. sq. yds.</i> 3,886	18	172 <i>Th. sq. yds.</i> 3,889	19	
Quantity not stated ...	78	11	78	11	
<b>TOTAL—Silk and artificial silk lace and net ...</b>	<b>1,131</b>	<b>...</b>	<b>1,218</b>	<b>...</b>	<b>335</b>
✓ Muslin curtains in the piece or not ...	105	8	105	8	430
✓ Artificial silk curtains ...	62	11	62	11	§
Embroidery and needlework on net and dissoluble fabrics* ...	126	16	126	16	70
<b>TOTAL VALUE ...</b>	<b>4,261</b>	<b>...</b>	<b>4,374</b>	<b>...</b>	<b>5,306</b>

\* Embroidery and needlework on other fabrics is shown in the table of "Other products" on page 217. The bulk of this class of embroidery and needlework is produced in the Tailoring, Dressmaking, Millinery, etc. Trades and is dealt with in the report on that trade (see page 384).

† Including artificial silk net.

‡ Included with artificial silk lace and articles thereof.

§ Not recorded separately.

**Lace warehouses.**—The following figures show for 1930 and 1924 the value of finished lace goods recorded under the heading of "lace warehouses" :—

Kind of goods.	1930.		1924.
	Value.	Entries.	Value.
	£'000.	No.	£'000.
Lace ...	1,229	44	3,022
Nets (plain) ...	643	21	
Curtains ...	390	17	
Embroidery ...	86	13	
Other products ...	33	8	
<b>TOTAL ...</b>	<b>2,381</b>	<b>...</b>	<b>3,022</b>

At the 1924 Census, the output of finished goods recorded by lace warehouses employing not more than ten persons amounted to £411,000, or about 12 per cent. of the total value returned by all firms under this heading. The exclusion of the smaller firms has, therefore, an important effect on the aggregate figures for this section of the Lace Trade.

As the value of the brown lace finished by these firms is already included in the output of the manufacturing firms, the addition to be made on account of the output of lace warehouses is the value added to the materials as the result of the finishing operations. The addition indicated by the returns received for 1930 is about £580,000, but as explained above these returns only partially cover the ground. At the Census of 1924, the added value created by the finishing operations carried out by warehouse firms was estimated at about £1,000,000.

**Work done for the trade or on commission.**—Firms that made their returns on schedules for the Lace Trade stated that they received the sum of £597,000 for bleaching, dyeing, dressing and other work done in 1930 for other firms. The total amount returned for similar work on schedules for other trades was £52,000, making a total of £649,000; the corresponding figure for 1924 was £800,000. Details of this work are given below:—

Kind of work.	1930.	1924.
	Amount received.	Amount received.
	£'000.	£'000.
Embroidering on customers' materials ... ..	20	36
Bleaching, dyeing and dressing of lace ... ..	151	} 754
Bleaching, dyeing and dressing of net ... ..	80	
Bleaching, dyeing and finishing lace curtains, curtain nets and all goods made on curtain machines ... ..	387	
Other work ... ..	11	
<b>TOTAL</b> ... ..	<b>649</b>	<b>800</b>

The difference between the total sum shown as received for "work done for the trade" and that which was paid for "work given out" represents work done for merchant firms or for manufacturing firms that made no returns to the Census or were outside the Lace Trade. These differences were £449,000 in 1930 and £279,000 in 1924.

**Prices.**—The only class of goods for which quantitative particulars were required for the year 1924 was cotton net, and only 62 per cent. of the total value of the output in that year was recorded in terms of quantity, the average selling value being £20.8 per thousand square yards. The average selling value of cotton net made in 1930 was £20.3 per thousand square yards, a decline of 2.4 per cent. from the 1924 figure. It should be borne in mind, however, that these figures represent values of net in the brown unfinished state and no particulars of finishing costs are available. The average value of cotton net exported in 1924 was £28.7 per thousand square yards, and in 1930 £26.7 per thousand square yards, a decline of 7.0 per cent.

**Volume of production.**—For the reasons already given, the Census returns themselves furnished no basis for calculating the volume of production of finished lace, net and lace goods either in 1930 or 1924. As regards cotton net, lace and lace goods, it has been assumed that the change in average values of these goods between 1924 and 1930 was similar to that of the exports of cotton net. No similar factor is available for estimating the change in volume of production of silk and artificial silk goods, and in this case the estimate has been based on the average values of silk and artificial silk yarn and on the average wage per operative 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.
Cotton net, lace and lace goods ...	2,863	4,471	4,162	69
Silk and artificial silk lace, net, etc.	1,218	335	270	450
Muslin curtains ... ..	105	430	400	26
Artificial silk curtains ... ..	62	—	—	—
Embroidery ... ..	126	70	66	191
<b>TOTAL</b> ... ..	<b>4,374</b>	<b>5,306</b>	<b>4,898</b>	<b>89</b>

Having regard to the slender basis on which the calculation rests the decline of 11 per cent. indicated by the above figures for 1930 should not be regarded as necessarily approximating closely to the facts. It may be pointed out, however, that the recorded figures of employment in the Lace Trade, viz., 17,854 in 1924 and 15,635 in 1930, represent a decline of 12 per cent. in the later year.

**Production, exports and net imports.**—Except for cotton net, the products of the Lace Trade were not measured completely in terms of quantities, and the quantitative records obtained for silk and artificial silk lace and net were not sufficient to permit of comparisons with the figures of external trade. As regards cotton net, 22,312,000 square yards were exported in 1930, or nearly 73 per cent. of the total quantity returned as manufactured in that year.

For the main products, viz., cotton lace and lace goods, the fact that the bulk of the output was valued in the "brown" state, and that comprehensive information as to the value added by the finishing processes is not available, precludes comparisons on the basis of value with the figures of exports and imports, which consist of goods in the finished state. Taking together the exports of "cotton lace curtains" and "other sorts" of cotton lace, the value recorded for 1924 was £1,582,000 and, for 1930, £541,000, while the aggregate value of the output recorded under these headings was £3,593,000 for 1924 and £2,241,000 for 1930. The figures do not include exports by parcel post, but the figures indicate that exports formed a considerably higher proportion of production in 1924 than in 1930 and that the decline in the export trade was the predominant cause of the lower level of production of these goods in the later year.

Exports of lace and lace goods of silk (including mixtures) amounted to £140,000 in 1930 and to £77,000 in 1924; exports of lace of artificial silk (including mixtures) were £445,000 in 1930, but were not recorded separately for 1924. Exports by parcel post are not included in these figures.

Under the Finance Act, 1925, a Customs Duty of 33½ per cent. *ad valorem* was imposed for a period of five years from 1st July, 1925, on imports of lace and embroidery, expiring on 30th June, 1930. Retained imports of lace and lace goods in 1930 and 1924 are shown below:—

	1930.	1924.
	£'000	£'000
Lace and lace goods—		
Of cotton... ..	201	208
Of silk ... ..	170	306
Of artificial silk ... ..	99	(not available).

The figures for 1924 are exclusive of imports by parcel post, the value of which is not known, and those for 1930 are exclusive of imports of cotton lace and lace goods by parcel post during the second half of the year.

**Other products.**—In addition to the output shown in the table of principal products on pages 212-3, the following goods were produced in 1930 and 1924 by firms that made their returns on schedules for the Lace 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.
Embroidery and needlework on fabrics other than net and dissoluble fabrics ... ..	93	32
Women's garments (blouses, underwear, etc.) ...	78	72
Manufactures of artificial silk, other than clothing... ..	22	17
Other goods ... ..	17	53
<b>TOTAL</b> ... ..	<b>210</b>	<b>174</b>

### 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)	466	4,988	1,783	8,724	2,249	13,712
Administrative, technical and clerical staff (as at 18th October) ... ..	72	1,251	92	672	164	1,923
<b>TOTAL</b> ... ..	<b>538</b>	<b>6,239</b>	<b>1,875</b>	<b>9,396</b>	<b>2,413</b>	<b>15,635</b>
1924.						
Operatives (average for the year)	493	5,572	2,186	10,134	2,679	15,706
Administrative, technical and clerical staff (as at 18th October) ... ..	76	1,515	83	633	159	2,143
<b>TOTAL</b> ... ..	<b>569</b>	<b>7,087</b>	<b>2,269</b>	<b>10,767</b>	<b>2,838</b>	<b>17,854</b>
Average number of outworkers:—						
1930... ..	4	916		920		
1924... ..	16	1,438		1,454		

**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.
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
<b>PRIME MOVERS.</b>						
Reciprocating steam engines ... ..	5,345	1,192	6,537	6,351	1,826	8,177
Steam turbines ... ..	36	—	36	—	—	—
Internal combustion engines:—						
Gas ... ..	1,079	363	1,442	1,395	551	1,946
Petrol, kerosene, or other light oils ... ..	5	—	5	—	—	—
Heavy oils ... ..	358	—	358	150	—	150
Water engines ... ..	41	12	53	45	—	45
Other ... ..	60	—	60	—	—	—
<b>TOTAL ... ..</b>	<b>6,924</b>	<b>1,567</b>	<b>8,491</b>	<b>7,941</b>	<b>2,377</b>	<b>10,318</b>
	Kw.	Kw.	Kw.	Kw.	Kw.	Kw.
<b>ELECTRIC GENERATORS.</b>						
Driven by						
Reciprocating steam engines ... ..	2,284	573	2,857	2,005	579	2,584
Steam turbines ... ..	12	—	12	—	—	—
Internal combustion engines:—						
Gas ... ..	229	11	240	187	20	207
Heavy oils ... ..	253	72	325	120	—	120
Other prime movers	—	9	9	—	—	—
<b>TOTAL ... ..</b>	<b>2,778</b>	<b>665</b>	<b>3,443</b>	<b>2,312</b>	<b>599</b>	<b>2,911</b>
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
<b>ELECTRIC MOTORS.</b>						
Driven by						
Electricity generated in same works ... ..	2,119	76	2,195	1,871	162	2,033
Purchased electricity	5,081	649	5,730	2,993	603	3,596
<b>TOTAL ... ..</b>	<b>7,200</b>	<b>725</b>	<b>7,925</b>	<b>4,864</b>	<b>765</b>	<b>5,629</b>

### 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 ... ..	36,936	41,975*	1,382
Coke ... ..	82	611*	—
			B.T.U. (Kw.-hrs.) '000.
Electricity used for all purposes:—			
Generated in same works ... ..			1,643
Purchased ... ..			4,168
<b>TOTAL—Electricity</b> ... ..			<b>5,811</b>

\* These figures were recorded by firms representing 93.4 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.	5,749	1,700	7,449
Cost of materials used ... ..	"	3,500	1,007	4,507
Paid for work given out to other firms ... ..	"	165	35	200
Net output ... ..	"	2,084	658	2,742
Average number of persons employed (excluding outworkers) ... ..	No.	12,868	2,767	15,635
Net output per person employed (excluding outworkers) ... ..	£	162	238	175
Mechanical power available :—				
Prime movers ... ..	H.P.	6,986	1,505	8,491
Electric motors driven by purchased electricity ... ..	"	3,440	2,290	5,730

## II. Production.

Goods sold or added to stock and work done.	Unit.	England and Wales.	Scotland.	Great Britain.
Cotton net and lace and articles thereof (except apparel and embroidery) :—				
Cotton net ... ..	<i>Th. sq. yds.</i>	25,598	4,110	29,708
Cotton lace curtains and piece-goods made on curtain machines ... ..	£'000.	493	104	597
Other cotton lace goods made on curtain machines (including laces, antimacassars, bedspreads, etc.) ... ..	"	21	14	35
Cotton lace and articles thereof (made on machines other than net or curtain machines) ... ..	"	375	—	375
Silk lace and articles thereof (except embroidery) ... ..	<i>Th. lbs.</i>	205	—	205
Silk net :—	£'000.	123	—	123
Quantity stated ... ..	<i>Th. sq. yds.</i>	823	—	823
Quantity not stated ... ..	£'000.	19	—	19
Quantity not stated ... ..	£'000.	63	—	63
Artificial silk lace and articles thereof (except embroidery) :—				
Wholly of artificial silk :—				
Quantity stated ... ..	<i>Th. lbs.</i>	65	—	65
Quantity not stated ... ..	£'000.	38	—	38
Quantity not stated ... ..	£'000.	10	—	10
Of artificial silk mixed with other materials :—				
Quantity stated ... ..	<i>Th. lbs.</i>	*	*	851
Quantity not stated ... ..	£'000.	*	*	344
Quantity not stated ... ..	£'000.	*	*	115

Goods sold or added to stock and work done.	Unit.	England and Wales.	Scotland.	Great Britain.
Artificial silk net :—				
Wholly of artificial silk :—				
Quantity stated ... ..	<i>Th. sq. yds.</i>	2,233	—	2,233
Quantity not stated ... ..	£'000.	77	—	77
Quantity not stated ... ..	£'000.	*	*	92
Of artificial silk mixed with other materials :—				
Quantity stated ... ..	<i>Th. sq. yds.</i>	2,768	1,118	3,886
Quantity not stated ... ..	£'000.	113	59	172
Quantity not stated ... ..	£'000.	34	44	78
Muslin curtains, in the piece or not ... ..	£'000.	—	105	105
Artificial silk curtains ... ..	"	*	*	62
Embroidery and needlework, mainly machine made :—				
On net and dissoluble fabrics ... ..	"	126	—	126
On other fabrics ... ..	"	*	*	93
Women's garments (blouses, underwear, etc.) ... ..	"	78	—	78
Manufactures of artificial silk ... ..	"	12	10	22
Other goods made ... ..	"	17	—	17
Lace warehouses—output of finished goods :—				
Lace ... ..	"	1,229	—	1,229
Nets (plain) ... ..	"	*	*	643
Curtains ... ..	"	347	43	390
Embroidery ... ..	"	86	—	86
Other products ... ..	"	33	—	33
TOTAL VALUE OF ALL GOODS SHOWN ABOVE ... ..	£'000.	5,194	1,658	6,852
Work done for the trade or on commission :—		Amount received.	Amount received.	Amount received.
Embroidering on customers' materials ... ..	£'000.	20	—	20
Bleaching, dyeing and dressing of lace ... ..	"	148	—	148
Bleaching, dyeing and dressing of net ... ..	"	78	—	78
Bleaching, dyeing and finishing lace curtains, curtain nets, and all goods made on lace curtain machines ... ..	"	301	39	340
Other work done ... ..	"	8	3	11
TOTAL AMOUNT RECEIVED FOR WORK DONE ... ..	£'000.	555	42	597
TOTAL VALUE OF GOODS MADE AND WORK DONE (GROSS OUTPUT) ... ..	"	5,749	1,700	7,449

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

## III. Employment.

A. NUMBERS EMPLOYED IN WEEK ENDED 18TH OCTOBER, 1930,  
(EXCLUDING OUTWORKERS).

Persons employed (excluding outworkers).	Males.		Females.		Males and females.	
	Under 18.	All ages.	Under 18.	All ages.	Under 18.	All ages.
<i>England and Wales :—</i>						
Operatives ... ..	369	3,745	1,525	7,257	1,894	11,002
Administrative, etc.* ...	66	1,102	77	555	143	1,657
TOTAL ... ..	435	4,847	1,602	7,812	2,037	12,659
<i>Scotland :—</i>						
Operatives ... ..	88	1,148	224	1,301	312	2,449
Administrative, etc.* ...	6	149	15	117	21	266
TOTAL ... ..	94	1,297	239	1,418	333	2,715
<i>Great Britain :—</i>						
Operatives ... ..	457	4,893	1,749	8,558	2,206	13,451
Administrative, etc.* ...	72	1,251	92	672	164	1,923
TOTAL ... ..	529	6,144	1,841	9,230	2,370	15,374

\* Administrative, technical and clerical staff.

B. OPERATIVES (EXCLUDING OUTWORKERS) 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. 18th	11,178	2,732	13,910	July 19th	11,205	2,372	13,577
Feb. 15th	11,365	2,730	14,095	Aug. 16th	10,891	2,334	13,225
Mar. 15th	11,465	2,705	14,170	Sept. 13th	10,949	2,361	13,310
April 12th	11,659	2,601	14,260	Oct. 18th	11,002	2,449	13,451
May 17th	11,403	2,620	14,023	Nov. 15th	11,039	2,371	13,410
June 21st	11,405	2,371	13,776	Dec. 13th	10,978	2,366	13,344
AVERAGE FOR THE 12 MONTHS ... ..					11,211	2,501	13,712

## C. NUMBERS OF OUTWORKERS AT TWO SPECIFIED PERIODS IN 1930.

Country.	January.			July.		
	Males.	Females.	Total.	Males.	Females.	Total.
<i>England and Wales</i>	3	895	898	4	936	940
<i>Scotland ... ..</i>	—	1	1	—	1	1
<i>Great Britain ... ..</i>	3	896	899	4	937	941

## 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.						
Reciprocating steam engines ... ..	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Steam turbines ... ..	4,309	1,087	1,036	105	5,345	1,192
Internal combustion engines :—	20	—	16	—	36	—
Gas ... ..	939	363	140	—	1,079	363
Petrol, kerosene or other light oils ...	5	—	—	—	5	—
Heavy oils ... ..	150	—	208	—	358	—
Water engines ... ..	41	12	—	—	41	12
Other... ..	60	—	—	—	60	—
TOTAL ... ..	5,524	1,462	1,400	105	6,924	1,567
TOTAL OF PRIME MOVERS INSTALLED	6,986		1,505		8,491	
ELECTRIC GENERATORS						
Driven by	Kw.	Kw.	Kw.	Kw.	Kw.	Kw.
Reciprocating steam engines ... ..	2,065	548	219	25	2,284	573
Steam turbines ... ..	—	—	12	—	12	—
Internal combustion engines :—						
Gas ... ..	182	11	47	—	229	11
Heavy oils ... ..	117	72	136	—	253	72
Other prime movers	—	9	—	—	—	9
TOTAL ... ..	2,364	640	414	25	2,778	665
TOTAL OF ELECTRIC GENERATORS INSTALLED ... ..	3,004		439		3,443	
ELECTRIC MOTORS.						
Driven by	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Electricity generated in same works ...	1,705	76	414	—	2,119	76
Purchased electricity	3,089	351	1,992	298	5,081	649
TOTAL ... ..	4,794	427	2,406	298	7,200	725
TOTAL OF ELECTRIC MOTORS INSTALLED	5,221		2,704		7,925	



## Consumption of fuel.

Kind of fuel used.	England and Wales.	Scotland.	Great Britain.
	Tons.	Tons.	Tons.
Coal used for power* ... ..	32,227	4,709	36,936
Coke used for power ... ..	82	—	82
	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 ... ..	1,339	304	1,643
Purchased ... ..	2,576	1,592	4,168
TOTAL—Electricity ...	3,915	1,896	5,811

\* In addition, 1,382 tons of coal (all in England and Wales) were recorded as used for power and for other purposes, not separately distinguished.