THE WIRE DRAWING TRADE.

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Introductory.*

The tables on pages 106 to 110 are based on returns received from firms in Great Britain and Northern Ireland whose business in 1924 consisted wholly or mainly in wire drawing or wire working. The number of such separate returns was 354. About 25 firms to which schedules were sent did not furnish returns, but these firms for the most part had very small establishments. On the basis of the information available it is estimated that they did not employ more than 100 persons and that their net output probably did not exceed £20,000.

^{*} See also the Notes on pages vii-xv.

Summary of results.—The following table shows the main results of the Censuses of 1924, 1912 and 1907, comparisons between the figures for the three years being subject to the qualifications mentioned in the next paragraph:—

Particulars.	Unit.	1924.	1912.	1907.
Value of goods made and work done (Gross output)	£'000	17,453 11,179 137 6,137 25,453 241	8,786 6,091 30 2,665 22,284 120	6,600 4,432 48 2,120 18,329 116
Prime movers	H.P.	37,436	37,473	31,031 (not
electricity	,,	55,235	16,761	recorded)

Qualifications affecting comparisons.—In considering the above table and the other tables in this report which show figures for different censal years, the following qualifications should be borne in mind:—

(1) The comparability of figures relating to value or cost is affected by the changes which have taken place in the general purchasing power of money.

(2) The Censuses of 1907 and 1912 covered Great Britain and the whole of Ireland, but that of 1924 applied only to Great Britain and Northern Ireland. The exclusion of Southern Ireland in 1924 does not, however, seriously affect the comparability of the figures.

(3) The Censuses of 1907 and 1924 extended to all firms, however small, but in 1912 firms employing not more than five persons (excluding the proprietors) were merely required to state the average number of persons employed by them in the year. According to the information so furnished, the number of persons employed in the establishments thus excluded was 425 or 1.9 per cent. of the number employed by the remaining firms, as shown in the above table.

Value of output and cost of materials.—The figures in the above table representing the value of goods made and work done and the cost of materials used, are the aggregates of the figures recorded by the firms making returns, and, for the reasons explained in paragraphs (i) and (ii) on pages xii and xiii, they may over-state the value of the output of, and the cost of the materials used by, the Wire Drawing Trade considered as a whole. The matter is discussed on page 102, where it is estimated that in 1924 the value, free from duplication of the output of this trade lay between £14,115,000 and £15,150,000, and the cost of materials purchased from sources outside the trade and worked up into its products lay between £7,910,000 and £8,880,000.

Production.

Detailed information relating to the output of the Wire Drawing Trade in 1924 will be found in Table II on pages 106 to 108.

The following table shows the value and, where recorded, the quantity of the chief classes of wire and manufactures thereof produced for sale or for stock in 1924, 1912 and 1907. Such output of similar goods as was returned on schedules for other trades has been included in the figures for each year, the total value of this output in 1924 being f_4 ,020,000.

	1924.		19	12.	1907.		
Production for sale or for stock.	Quantity.	Selling value.	Quantity.	Selling value.	Quantity.	Selling value.	
Iron and steel wire	Th. tons. 285.5	£'000. 7,210	Th. tons. 211.9	£'000. 2.956	Th. tons. 185.6	£'000. 2,801	
Manufactures of iron and steel wire:—	8-81			rolant	Smith bror elle	Wine n	
Cables and ropes (except insulated cables) Other sorts	72.2	3,958 3,778	67.7	1,876 1,673	abernaria	1,578 1,289	
Wire of brass and other alloys of copper Copper wire	11·5 39·4	1,186 3,578		314 1,843		218 1,350	
Manufactures of brass, etc., wire		255	7 7 . 00	93)]	V SATE	
Manufactures of copper wire		101	0.7.792	176	}	160	
TOTAL VALUE—WIRE AND MANUFACTURES THERE-	ESTERN 35	PAGE TO S	labsitis d		1, 21/12/10	oul's	
OF	1	20,066	1	8,931		7,396	

More detailed particulars of the output in 1924 are given in the following paragraphs.

Iron and steel wire and manufactures thereof.

Total make of iron and steel wire.—The firms that made their returns on schedules for the Wire Drawing Trade were required to state the total weight of wire drawn by them in the year, but not the weight of wire rods rolled, as these are chiefly produced in the Iron and Steel (Smelting, Rolling and Founding) Trades (see page 39). The total weight of iron and steel wire so returned, including that used by drawing firms in manufacturing wire goods, was 313,900 tons, to which should be added 8,200 tons drawn by firms that made their returns on schedules for other trades (see below), and possibly a small part of the wire used by such firms in making (approximately) 29,000 tons of wire manufactures. These manufactures may, however, have been wholly or partly made from imported wire or from wire purchased from British wire-drawing firms.

Production for sale.—The following table gives particulars for 1924 of the output for sale or for stock of iron and steel wire and manufactures thereof:—

the value and, where restrict, the	Returned on schedules for					
Iron and steel wire and manufactures thereof.	The Drawin	Wire g Trade.	All trades.			
	Quantity.	Selling value.	Quantity.	Selling value.		
	Th. tons.	£'000.	Th. tons.	£'000.		
Iron and steel wire: Fencing wire Uninsulated electric wire Other kinds	$ \begin{array}{c} 29 \cdot 1 \\ 2 \cdot 2 \\ 246 \cdot 0 \end{array} $	602 77 6,236	29·1* 3·3 253·1	603 115 6,492		
Total—Wire	277 · 3	6,915	285 · 5	7,210		
Manufactures of iron and steel wire: Wire netting	18·6 11·5 60·5	722 244 3,302	31·6 13·6 72·2	1,233 295 3,958		
Ouantity stated	19.1	802 1,346	19.3	815 1,435		
Total value—Manufactures of wire	••,,	6,416		7,736		
Total value—Iron and steel wire and manufactures thereof		13,331		14,946		

^{*} The output returned on schedules for other trades was less than 50 tons.

As the exports of fencing wire in 1924 were recorded as 28,400 tons or 97.6 per cent. of the recorded make, while net imports were only 18,800 tons, it seems clear that a considerable quantity of wire actually used for fencing was returned as "other kinds of wire" (probably because it was not sold as fencing wire and could be used for other purposes).

Brass and copper wire and manufactures thereof.

Total make of brass and copper wire.—The total make of brass and copper wire in 1924, including that used by wire-drawing firms in further manufacturing processes, but excluding copper wire drawn by electrical firms for their own use, was as follows:—

	Brass wire.	Copper wire.
Returned on schedules for—	tons.	tons.
The Wire Drawing Trade	1,200	27,700
The Non-ferrous Metals Trades*	10,300	15,500
Total	11,500	43,200
concentration British which are	12,000 11 11 11 11 11 11 11 11 11 11 11 11	and a dear a and

^{*} See page 365.

Production for sale.—The following table gives particulars for 1924 of the output for sale or for stock of brass and copper wire and manufactures thereof:—

	Returned on schedules for					
Brass and copper wire and manufactures thereof.	The Drawing		All trades.			
	Quantity.	Selling value.	Quantity.	Selling value.		
opplied with these server hade how worth	Th. tons.	£'000.	Th. tons.	£'000.		
Wire of brass and other copper alloys:— Circular section— Under No. 20 gauge No. 20 gauge and thicker Other than circular	1·1 * 0·1	166 3 18	1·7 8·6 1·2	233 810 143		
Total—Brass, etc., wire	1.2	187	11.5	1,186		
Copper wire:— Circular section— Under No. 20 gauge No. 20 gauge and thicker Other than circular	17.3	434 1,545 194	6·4 30·8 2·2	631 2,742 205		
TOTAL—COPPER WIRE	23.9	2,173	39.4	3,578		
Manufactures of brass, etc., wire Manufactures of copper wire		254 101	::	258 10		
TOTAL VALUE—Brass AND COPPER WIRLAND MANUFACTURES THEREOF	not a series	2,715		5,120		

^{*} Less than 50 tons.

Other products.

Firms that made their returns on schedules for the Wire Drawing Trade also included in their output the goods shown in the following table. These goods, being of kinds mainly produced in other trades, are dealt with in the reports on those trades.

				1924.	1912.	1907.
Kind of goods.			97	Selling value.	Selling value.	Selling value.
				£'000.	£'000.	£'000.
Manufactures of iron and steel :-				76 000		
Wire rods		100000	(T)	293	66	61
7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		(Th. t	ons)	(23-2)	(8.8)	(18.5)
Other semi-finished iron and steel		Carried May		355	77	23
Othor bonne minorod	0121210	(Th. t	ons)	$(14 \cdot 4)$	etternis a	
Wire mattresses				130	155	43
Other manufactures		Carl Market		106	146	58
Goods of other metals	1000	an enis		399	153	89
Waste products				50	11 01 311	44
Other goods made				6	97	5
TOTAL VALUE		TO THE YOU		1,339	694	323

Work done for the trade.

The amount returned as received for rod rolling, wire drawing, galvanising and tinning and other work done for the trade in 1924 was £68,000. The corresponding figures for 1912 and 1907 were £47,000 and £18,000 respectively.

Value of output free from duplication.

The gross output of £17,453,000 returned on schedules for the Wire Drawing Trade contains a certain amount of duplication. In the first place there is some duplication between the value (£6,236,000) of other kinds of iron and steel wire and the value (£6,546,000) of manufactures of iron and steel wire (including mattresses). From a scrutiny of the individual returns it would appear that the amount of this duplication lay between £2,300,000 and £3,150,000. Again, there may be duplication amounting to as much as £120,000 in respect of manufactures of brass and copper wire, but this would be reduced if and so far as the wire used in these manufactures was purchased from firms in other trades or was imported. Finally, the sum of £68,000 received for work done for the trade is probably duplicated, in whole or in part, in the value of the gross output of those firms in the Wire Drawing Trade that paid £137,000 for work given out to other firms.

The value, free from duplication, of the gross output in 1924 of the Wire Drawing Trade may thus be estimated as lying between £14,115,000 and £15,150,000.

The corresponding figure for 1907, estimated on a similar basis, was about £5,350,000.

Cost of materials and work given out.

The cost of materials used by firms that made their returns on schedules for the Wire Drawing Trade was returned as £11,179,000 in 1924, a sum which, by the exclusion of purchases of the products of other firms in the same trade, may be reduced to a sum lying between £7,910,000 and £8,880,000; the corresponding figure for 1907 was about £3,200,000.

The amount paid to other firms for work given out to them was returned as £137,000 in 1924, £30,000 in 1912 and £48,000 in 1907.

Net output.

The net output in 1924 of the firms that made their returns on schedules for the Wire Drawing Trade (whose gross output was valued at £17,453,000) was £6,137,000, that sum representing, without duplication, the total amount by which the value, as delivered, of the aggregate output exceeded the cost, as purchased, of the materials used and the amount paid to other firms for work given out to them.

The net output per head of persons employed in the censal year 1924 was £241, as compared with £120 in 1912 and £116 in 1907.

Exports and imports.

The following table, relating to the year 1924, shows the production of certain of the principal products of the Wire Drawing Trade in relation to the exports and imports of similarly described goods.

Kind of goods,	Production.	Exports.	Net imports.	Proportion of British- made goods exported.	available for use	Share of home market held by British- made goods.
Iron and steel wire Manufactures of iron or steel wire:—	Th. tons. 322·1	Th. tons. 77.9		Per cent. 24·2		Per cent. 84·2
Wire netting Wire nails (including	31.6	18.8	4.2	59.5	17.0	75.3
staples Wire cables and rope	13.6	3.9	52.7	28.7	62 - 4	15.5
(except insulated telephone and telegraph cables)	72.2	26.3	0.5	36.4	46.4	98.9

Exports of brass wire in 1924 were about 2,500 tons and net imports about 800 tons; exports of copper wire were about 11,000 tons and net imports about 5,100 tons.

In 1907, exports of iron and steel wire (including telegraph and telephone wire) were 55,000 tons and exports of manufactures of iron and steel wire, 46,000 tons; net imports of iron and steel wire were about 53,000 tons and of wire nails, 38,000 tons, other manufactures not being specified.

Wages in 1924.

Under the Census of Production Act, 1906, the powers of the Board of Trade to require information do not extend to particulars of the amount of wages paid, and, consequently, no information on this head was secured in connexion with the Census of 1924. As a result, however, of the voluntary enquiry undertaken by the Ministry of Labour into wages and hours in the United Kingdom in 1924, information was obtained as to the total wage-bill of a group of firms in the Wire Drawing Trade which made returns both to the Ministry of Labour and to the Census of Production office. According to the Census records this group of firms employed, in the week ended 18th October, 1924, 16,586 operatives, or 73 per cent. of the total of 22,600 operatives for the trade as a whole, and their net output totalled £4,576,000, or 75 per cent. of the aggregate net output of £6,137,000 for the trade as a whole. The total wage-bill of these firms, as returned to the Ministry of Labour, was £2,222,000, representing about 49 per cent. of their aggregate net output.

Employment.

The detailed information relating to employment in 1924 is summarised in Table III on page 109. The following table sets out certain particulars for that year together with those relating to the two previous censal years. For the purpose of this comparison, the average numbers of operatives of each sex returned for 1924

have been divided between the two age-groups in the proportions shown by the data relating to the week ended 18th October.

spiropinodroed kiralik	Males.		Females.		Males and females.		
Average number.	Under 18.	All ages.	Under 18.	All ages.	Under 18.	All ages.	
1924. Operatives	2,633 268	19,082 1,845	1,119 126	3,890 636	3,752 394	22,972 2,481	
TOTAL	2,901	20,927	1,245	4,526	4,146	25,453	
1912. Wage earners Salaried	2,722 121	18,370 1,301	810 36	2,433 180	3,532 157	20,803 1,481	
TOTAL	2,843	19,671	846	2,613	3,689	22,284	
1907. Wage earners	2,599 115	15,138 1,173	617 24	1,878 140	3,216 139	17,016 1,313	
TOTAL	2,714	16,311	641	2,018	3,355	18,329	

The numbers of operatives recorded month by month in 1924 ranged from 571 above the average, in May, to 372 below the average, in October, and was below the average in each of the months July to November (see Table III B, page 109).

Mechanical Power.

The detailed information relating to mechanical power in 1924 is summarised in Table IV on page 110. The following table sets out the particulars for the three censal years relating to the capacity and kinds of *prime movers* and the capacity of *electric generators* installed.

numitario del campos	in with resolution vision passes for				
Power equipment.	Ordinarily in use.	In reserve or idle.	Total.	Total.	Total.
PRIME MOVERS:— Reciprocating steam engines Steam turbines Gas engines Petrol and light oil engines Heavy oil engines Water power Other	H.P. 20,780 4,977 5,928 50 403 776	H.P. 2,387 1,340 790 5 —	H.P. 23,167 6,317 6,718 55 403 776	H.P. 28,544 2,000 6,131 50 748 —	H.P. 26,083 - 4,380 553 15
TOTAL ELECTRIC GENERATORS :—	32,914	4,522	37,436	37,473	31,031
Driven by— Reciprocating steam engines Steam turbines Gas engines Petrol and light oil engines Heavy oil engines Water power Other prime movers	3,097 3,850 1,182 5 93 —	763 1,000 4 — —	3,860 4,850 1,186 5 93	3,436 1,500 1,311	1,824
Total	8,227	1,767	9,994	6,247	2,336

The capacity of *electric motors* recorded in 1924 and in 1912 was as shown below:—

		1912.		
Electric motors.	Ordinarily in use.	In reserve or idle.	Total.	Total.
to of remittee	H.P.	H.P.	H.P.	H.P.
Driven by— Electricity generated in own works Purchased electricity	15,013 50,472	1,496 4,763	16,509 55,235	7,514 16,761

Corresponding information was not required for 1907. The total number of Board of Trade units of electricity purchased for power and lighting purposes in that year was returned as 6,863,000.

Machinery Equipment.

In response to a request for voluntary information as to the kinds and numbers of machines at factories at the end of 1924, particulars were furnished by firms whose gross output was valued at £12,421,000, or 71·2 per cent. of that of the whole trade. Details of the output of these firms is shown in the following table:—

Kind of Goods.	Quantity.	Proportion of total output of the trade.*
	Th. tons.	Per cent.
Total quantity of wire drawn.		
Iron and steel wire	292 · 4	93 · 1
Brass wire	8.5	69.8
Copper wire	13.9	50.3
Goods made for sale.		
Iron and steel wire and manufactures thereof:		
Fencing wire, barbed	9.5	99.3
-IIto	18.7	96.2
Uninsulated electric wire	2.2	100.0
Other descriptions of iron or steel wire	222.3	88.8
Wire netting	13.2	75.8
Wire nails (including staples)	11.1	95.2
Wire cables and rope (except insulated telephone and		
	48.1	75.7
Other goods made (Value)	£2,891,000	46.6
Work done for the trade (Amount received)		69.0

^{*} Based upon the actual figures returned.

The kinds and numbers of machines at the works of the firms supplying the above information at the end of 1924 were as follows:—

Kind of machines.	In use.	Idle.	Total.	Proportion idle.
Wiredrawing blocks	. 1,104	Number. 3,411 182 225 25	Number. 13,601 1,286 747 194	Per cent. 25 · 1 14 · 2 30 · 1 12 · 9

TABLES.

I.—Summary of results.

Particulars.	Unit.	England and Wales and N. Ireland.*	Scotland.	United Kingdom.
Value of goods made and work done	13787 (1373)	latininini	arii introra	escription (
(Gross output)	£'000	16,237	1,216	17.453
Cost of materials used	,,	10,459	720	11,179
Paid for work given out to other firms	"	132	5	137
Net output	,,	5,646	491	6.137
Average number of persons employed	No.	23,150	2,303	25,453
Net output per person employed	£	244	213	241
Mechanical power available :—				
Prime movers	H.P.	34,457	2,979	37,436
Electric motors driven by purchased		to Societies	CONTRACT FOR	
electricity	,,,	53,000	2,235	55,235

* In order to avoid the possible disclosure of information relating to the few firms concerned, the figures for Northern Ireland, which are practically negligible, have been combined with those for England and Wales.

II.—Production.

A. Total make of iron and steel, brass and copper wire (as recorded on schedules for the Wire Drawing Trade).

Note:—No output of wire was recorded for Northern Ireland.

Kind of wire.	England and Wales.	Scotland.	Great Britain.	
The first of the control of the cont	Th. tons.	Th. tons.	Th. tons.	
Iron and steel wire Brass wire Copper wire	* 0·7 27·6	* 0·5 0·1	$ \begin{array}{c c} 313 \cdot 9 \\ 1 \cdot 2 \\ 27 \cdot 7 \end{array} $	

* In order to avoid the possible disclosure of information relating to individual firms, figures are given only for Great Britain as a whole.

B. OUTPUT FOR SALE OR FOR STOCK.

A STATE OF THE METERS OF THE PARTY OF THE PA			Mars that the	100 00 00 00 00 00 00 00 00 00 00 00 00
Kind of goods made and work done.	Unit.	England and Wales and N. Ireland.†	Scotland.	United Kingdom.†
Goods made for sale. Iron and steel wire:—	Qua	ntity and se	lling valu	e.
Fencing, barbed {	Th. tons	*	*	$9.6 \\ 230$
Fencing, other sorts }	Th. tons	*	*	19.5
Uninsulated electric }	£'000 Th. tons	2.2	dor-sq.	$\begin{array}{c c} 372 \\ 2 \cdot 2 \end{array}$
Other descriptions of iron and steel	f'000 Th. tons	* 77	*	246·0
wire.	£'000	26 70*00 1	*	6,236
Total—Iron and steel wire	Th. tons	*	*	277·3 6,915
Manufactures of iron and steel wire:	T1 1	*	*	70.0
Wire netting	Th. tons	*	*	18·6 722
Wire nails (including staples)	Th. tons	*	*	11·5 244
Wire cables and rope (except insu-	Th. tons	49.9	10.6	60.5
lated telephone and telegraph cables).	€,000	2,750	552	3,302
Other manu- factures of Quantity stated {	Th. tons £'000	18·6 781	0.5	19·1 802
iron and guantity not stated	€'000	1,274†	72	1,346†
TOTAL — MANU- Quantity stated	Th. tons	*	*	109.7
FACTURES OF State (£'000	M. Hart D	Marine 1	5,070
STEEL WIRE. Quantity not stated	£'000	*	*	1,346
Wire of brass and other alloys of copper:—		1,8000	The winds	
Circular section—Under 20 gauge	Th. tons	0.6	92	1.1
No. 20 gauge and	Th. tons	‡		‡
thicker.	£'000 Th. tons	* 3	‡ § *	0.1
Other than circular {	€,000	*	*	18
Manufactures of wire of brass, etc Copper wire:—	£'000	83	171	254
Circular section—Under 20 gauge	Th. tons	*	*	4.5
No. 20 gauge and	Th. tons	*	*	17.3
thicker.	$\int f'000$ Th. tons	2.1	‡	$\begin{array}{c c} 1,545 \\ 2 \cdot 1 \end{array}$
Manufactures of copper wire	£'000	194 94	\$ 7	194 101
TOTAL—WIRE AND MANUFACTURES THEREOF	£'000	*	*	16,046

*†‡§ See notes on p. 108.

B. OUTPUT FOR SALE OR FOR STOCK—continued.

Kind of goods made and work done.	Unit.	England and Wales and N. Ireland.†	Scotland.	United Kingdom.
Goods made for sale—continued. Iron and steel products:—	Qua	ntity and se	lling valu	e.
Wire rods {	Th. tons	*	*	23·2 293
Other semi-finished iron and steel	f'000	12·2 293	2·2 62	14·4 355
Wire mattresses Quantity stated Quantity not stated	£'000	86	_	86
Other manufactures	£'000	106	=	106
Waste products	"	395 50 5†	- ⁴ 1	399 50 61
TOTAL VALUE OF GOODS MADE	€'000	16,169	1,216	17,385
Work done on commission or for the trade. Rod-rolling:—	Amo	unt received	for work	done.
Steel	€'000	6	_	6
Copper Wire-drawing :—	"	8	91/300	8
Steel	,,, ,,	§ 18	60	\$ 18 6
Galvanising and tinning	"	5	-	5
Wire rope making Weaving, working, etc	1) 2)	21	una n , n	21
TOTAL AMOUNT RECEIVED FOR WORK DONE	€'000	68	§	68
Total value of goods made and work done (Gross output)	£'000	16,237	1,216	17,453

III.—Employment.

A. NUMBERS EMPLOYED IN WEEK ENDED 18TH OCTOBER, 1924.

Kind of staff.	Ma	les.	Fem	ales.	Males and Females.		
and ending	Under 18.	All ages.	Under 18.	All ages.	Under 18.	All ages.	
	England and Wales and						
N. Ireland†:- Operatives Administrative,	etc.*	2,285 259	17,384 1,707	867 109	3,155 539	3,152 368	20,539 2,246
TOTAL		2,544	19,091	976	3,694	3,520	22,785
Scotland:— Operatives Administrative,	etc.*	301 9	1,356 138	243 17	705 97	544 26	2,061 235
TOTAL	•	310	1,494	260	802	570	2,296
United Kingdom: Operatives Administrative,	etc.*	2,586 268	18,740 1,845	1,110 126	3,860 636	3,696 394	22,600 2,481
TOTAL		2,854	20,585	1,236	4,496	4,090	25,081

^{*} Administrative, technical and clerical staff. \dagger See Footnote to Table I.

B. OPERATIVES EMPLOYED IN ONE WEEK IN EACH MONTH OF 1924.

England and Wales and Northern Ireland.* (Annual average: Males, 17,722; Females, 3,182; Total, 20,904.)

Week ended.	Males.	Females.	Total.	Week ended.	Males.	Females.	Total.
Feb. 16th March 15th April 12th May 17th	17,880 17,882 17,834 17,866 18,124 17,712	3,129 3,081 3,140 3,255 3,375 3,273	21,009 20,963 20,974 21,121 21,499 20,985	Aug. 16th Sept. 13th Oct. 18th Nov. 15th	17,426 17,490 17,521 17,384 17,684 17,860	3,163 3,103 3,085 3,155 3,184 3,257	20,589 20,593 20,606 20,539 20,868 21,097

Scotland. (Annual average: Males, 1,360; Females, 708; Total, 2,068.)

Jan. 12th .	. 1.4	104 71	2 2	2.116 1	July 19th	1	1,346	714	2,060
Feb. 16th .	100000000000000000000000000000000000000				Aug. 16th		1,405	650	2,055
March 15th .	The state of the s	CONTROL OF THE PARTY OF THE PAR			Sept. 13th		1,370	660	2,030
April 12th .					Oct. 18th		1,356	705	2,061
75 1511	STATE OF THE PERSON AND ADDRESS OF THE PERSO	STATE OF THE PARTY	V25A67200 H H552A609	2.044	Nov. 15th		1,362	704	2,066
	. 1.3				Dec. 13th		1,353	763	2,116

United Kingdom. (Annual average: Males, 19,082; Females, 3,890; Total, 22,972.)

					 		100 010
Jan. 12th	19 284	3 841	23 125	July 19th	 18 772	3,877	22,649
Feb. 16th	19,204		23,011	Aug. 16th	18,895	3.753	22,648
						0745	00 696
March 15th	19.197	3,837	23,034	Sept. 13th	 18,891		22,636
April 12th	19,228	3.970	23,198	Oct. 18th	18,740	3.860	22,600
						0.000	00 004
May 17th	19,456	4,087	23,543	Nov. 15th	 19,046		22,934
				Dec. 13th	19,213	4 000	23,213
June 21st	 19,058	4,012	23,070	Dec. 13th	 13,210	4,000	120,210

^{*} See footnote to Table I.

^{*} See footnote to Table IIA.

† See footnote to Table I; the items affected by the inclusion of figures for Northern Ireland are also marked thus (†).

[‡] Less than 50 tons. § Less than £500.

IV.—Mechanical Power.

PARTICULARS OF PRIME MOVERS, ELECTRIC GENERATORS AND ELECTRIC MOTORS.

Power equipment.	Wale	nd and es and eland.*	Scot	land.	United K	ingdom.
	Ordinarily in use.	In reserve or idle.	Ordinarily in use.	In reserve or idle.	Ordinarily in use.	In reserve
NEXT OF STREET	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Prime movers:— Reciprocating steam						
engines	20,235	2,387	545		20,780	2,387
Steam turbines	3,905		1,072	1,340	4,977	1,340
Gas engines	5,906	790	22	_	5,928	790
Petrol and light oil	1 821-0	1242.1	6,715	1 10 100	selimental	
engines Heavy oil engines	50 403	5		-	50	5
Water power	776	1 176	<u> </u>		403 776	
T		0.100	1 000	1.040		
IOTAL	31,275	3,182	1,639	1,340	32,914	4,522
TOTAL OF PRIME MOVERS						
INSTALLED	34,	457	2,	979	37,436	
. Disk et	Kw.	Kw.	Kw.	Kw.	Kw.	Kw.
ELECTRIC GENERATORS:		2000		A SHEET AND	9 4 Ann	grant sale
Driven by —						2000 A
Reciprocating steam engines	2,997	763	100		3,097	763
Steam turbines	3,050		800	1,000	3,850	1,000-
Gas engines	1,182	4	_	_	1,182	1,000
Petrol and light oil	2 201 4	44 4 60 9	320000	1 1000000		All other
engines	5	-	808 — BI	-6.7	5	t d-alf
Heavy oil engines	93	- 1 COURT		-	93	-
TOTAL	7,327	767	900	1,000	8,227	1,767
TOTAL OF ELECTRIC GEN-	Lunda Ti	NOC T AND	M. comm	nama kasa men	LA Aleida	
ERATORS INSTALLED	8,0	94	1,9	00	9,9	94
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
ELECTRIC MOTORS:—	336 E		2 1 100	1 886,5		
Driven by— Electricity generated	(58)	1 1 1 1 1 1 1 1 1 1				
in own works	12,433	1,496	2,580		15,013	1,496
	48,430*	4,570	2,042	193	50,472*	4,763

^{*} See footnote to Table I; the item affected by the inclusion of figures for Northern Ireland is also marked thus (*).