WIRE 139

THE WIRE 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 wire drawing or the manufacture of wire 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 ten persons:—

Particulars	Unit	1930	1924
Value of goods made and work done (Gross output)	£'000	13,747	17,228
Cost of materials used	,,	9,340	11,066
Paid for work given out to other firms	,,	44	133
Net output	,, 8147	4,363	6,029
Average number of persons employed	No.	22,215	24,839
Net output per person employed	£	196	243
Power available:—			
Prime movers	H.P.	30,532	36,926
Electric motors driven by purchased electricity	,,	65,156	54,976
Number of returns	No.	200	212
Number of establishments	,,	213	*

^{*} 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 945, the corresponding figure for 1924 being 614.* The value of the gross output of the small firms in 1924 was £225,000,* and particulars of the items included in this figure are given below:—

			£'000
Iron and steel wire			 46
Manufactures of iron or steel wire			 141*
Manufactures of brass and copper wire			 16
Other goods made			 8*
Work done for the trade			 14
To	OTAL	•••	 225*

In addition, 23 firms to which schedules were sent at the 1930 Census and 25 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.

^{*}These figures are inclusive of particulars regarding the few firms in Northern Ireland for which separate information is not available for publication.

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	57	390	167	951	175
25-49	49	1,004	387	1,699	228
50-99	36	2,010	555	2,557	217
100-199	30	2,195	893	4,423	202
200-299	12	1,582	589	2,899	203
300-399	5	1,025	412	1,754	235
400-499	5	1,194	428	2,161	198
500 and over .	6	4,347	932	5,771	163
TOTAL .	. 200	13,747	4,363	22,215	196

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.	£
(1930	29	783	336	1,572	214
$1 \dots \begin{cases} 1924 \end{cases}$	29	835	334	1,532	218
(1930	33	5,012	1,280	7,184	178
2 \ 1924	38	7,341	2,084	8,851	235
1930	48	2,698	981	5,266	186
$3 \dots \begin{cases} 1930 \\ 1924 \end{cases}$	48	3,410	1,333	5,305	251
1930	14	1,029	371	1,351	275
4 1924	18	1,875	661	2,103	314
_ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	37	1,832	654	3,299	198
$5 \dots \left\{ \begin{array}{c} 1930 \\ 1924 \end{array} \right]$	35	1,317	713	2,726	262
6 1930	13	1,182	315	1,186	265
1924	13	901	321	1,644	195
7 1930	4	269	80	351	227
7 and 8 1924	6	349	99	426	232
9 \\ \frac{1930}{1930}	16	583	226	1,076	210
··· \ 1924	17	7.37	295	1,211	244
10 1930	6	359	120	930	129
10 1924	8	463	189	1,041	182
m (1930	200	13,747	4,363	22,215	196
TOTAL $\begin{cases} 1930 \\ 1924 \end{cases}$	212	17,228	6,029	24,839	243

^{*} For particulars see page xviii.

Northern Ireland.—No production of wire or manufactures thereof was recorded for Northern Ireland for 1930. A small output of "manufactures of iron and steel wire" was returned at the 1924 Census but no particulars are available for publication.

Sub-divisions of the trade.—The following table shows the main particulars recorded for 1930 by firms in the wire drawing and the wire working sections of the trade, the latter section comprising firms that manufactured wire goods but did not themselves draw wire.

to success the entitle of the land		Firms en	gaged in	16 B
Particulars	Unit	Wire drawing	Wire	Total
Value of goods made and work done (Gross	rescones"	10013 750	E Brights	60 A 168
output)	£'000	10,199	3,548	13,747
Cost of materials used	,,	7,268	2,072	9,340
Paid for work given out to other firms	,,	29	15	44
Net output	,,	2,902	1,461	4,363
Average number of persons employed	No.	15,161	7,054	22,215
Net output per person employed	£	191	207	196
Power available:		+ . 22.22 31	TO THE PARTY OF	Market St.
Prime movers	H.P.	28,745	1,787	30,532
Electric motors driven by purchased elec-			A 12.53 A	DE See
tricity	,,	55,388	9,768	65,156
Number of returns	No.	85	115	200

Production

Total make of iron and steel wire rods.—At the Census of 1930, firms were required to state the total quantity of iron and steel wire rods made by them in the year, whether used in their works for wire drawing or not. Wire rods were manufactured by six firms in this trade and their total make was recorded as 60,000 tons. For particulars of the total production of iron and steel wire rods, reference should be made to the report on the Iron and Steel (Smelting and Rolling) Trade (page 37). Similar information for 1924 was not obtained from wire drawing firms.

Total quantity of wire drawn.—The total weight of *iron and steel wire* drawn (including that used for further manufacturing purposes in the works of the firms that drew the wire) was recorded as 285,600 tons (75 entries) for 1930 and 312,400 tons for 1924. In addition, firms that made returns on schedules for other trades recorded an output for sale of 9,500 tons (10 entries) for 1930 and 8,200 tons for 1924, raising the aggregates for the two years to 295,100 tons and 320,600 tons respectively.

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The total weight of copper wire and wire of brass and other copper alloys manufactured in the two years (apart from copper wire drawn by electrical firms for their own use) was as follows:—

	1930	1924
	Th. tons	Th. tons
Copper wire	47.0	43.2
	(39 entries)	Sea member
Wire of brass and other copper		
alloys	12.1	11.5*
	(49 entries)	
* Specified as "Brass wire" f	or 1924.	

Of the above amounts, the quantities recorded by firms that made returns on schedules for the Wire Trade were, for 1930, 34,500 tons (21 entries) of copper wire and 5,300 tons (16 entries) of wire of brass and other copper alloys; for 1924, the corresponding figures were 27,700 tons and 1,200 tons respectively. The balance of the output in each case was returned mainly by firms that made returns on schedules for the Copper and Brass Trades (see page 425). Electrical firms drawing wire for their own use recorded a total production in 1930 of 50,700 tons of copper wire and 70 tons of wire of copper alloys other than brass. Corresponding information was not obtained for the year 1924.

Production for sale.—The following table shows the value and, where available, the quantity of wire and wire goods made in 1930 and 1924 for sale:—

		1930						024
		Return						
Kind of goods	The	Wire Tr	ade	A	ll trade	s	Tot	tal
Corner to immediately	Quan- tity	Value	Ent- ries	Quan- tity	Value	Ent- ries	Quan- tity	Value
Iron and steel wire :— Fencing wire :—	Th. tons	£'000	No.	Th. tons	£'000	No.	Th. tons	£'000
Barbed Other sorts Uninsulated electric wire	$ \begin{array}{c c} 8 \cdot 9 \\ 16 \cdot 6 \\ 1 \cdot 7 \end{array} $	159 261 24	$\begin{array}{c} 7 \\ 10 \\ 3 \end{array}$	$ \begin{array}{r} 8 \cdot 9 \\ 16 \cdot 8 \\ 3 \cdot 6 \end{array} $	159 263 90		$ \begin{array}{r} 9 \cdot 6 \\ 19 \cdot 5 \\ 3 \cdot 2 \end{array} $	230 372 115
Other kinds	$\frac{217 \cdot 5}{}$	4,379	71	224 · 9	4,499	79.	251 · 6	6,445
Total—Iron and steel wire	244.7	4,823		254 · 2	5,011	ā	283.9	7,162
Wire of non-ferrous metals:- Copper wire, in coils:- Circular section:- Thinner than No. 20	a Tabad a coupl			ali au	w in		eup Is inves	ight a critic
gauge No. 20 gauge and	2.2	172	13	3.2	260	23	6.4	631
thicker Other than circular Not separately distin-	$\begin{array}{c} 20 \cdot 3 \\ 4 \cdot 9 \end{array}$	1,494 432	11 8	$\begin{array}{c} 31 \cdot 5 \\ 5 \cdot 1 \end{array}$	2,425 450	24 13	$30.8 \\ 2.2$	2,738 205
guished‡	-	-	-	(1)	1,844	15	e	1,218
Total—Copper wire		2,098			4,979		1 8	4,792

CHECKER TO SECURE	part of		19	30			19	24
The last Last 1801	130	Returned on schedules for						hal
Kind of goods	The	Wire Tr	ade	All	trades		Total	
	Quan- tity	Value	Ent- ries	Quan- tity	Value	Ent- ries	Quan- tity	Value
Wire of non-ferrous metals	Th. tons	£'000	No.	Th. tons	£'000	No.	Th. tons	£'000 ·
cont. Brass wire, in coils	2.5	248	14	7.0	587	37	١., ١	
Wire of other alloys of copper, in coils Aluminium wire	$\begin{array}{c} 2\cdot 4 \\ 1\cdot 6 \end{array}$	251 176	14 6	$3 \cdot 3$ $1 \cdot 6$	350 176	21 6	}11·4 †	1,174
Wire of other non-ferrous metals	*	3	3	*	3	3	100 THE R. P.	
Total—Wire		7,599	•••	•••	11,106		•••	13,128
Manufactures of iron and steel wire:— Wire netting Wire nails and staples Wire cables and ropes (except insulated tele-	17·1 10·6	462 164	13 11	20·6 16·9	549 294	14 31	31·6 13·6	1,232 294
phone and telegraph cables) Wire brushes§	64.1	2,725 70	37 9	70.4	3,019 70	43 9	71.9	3,932
Other manufactures of iron or steel wire, except wire mattresses	24.8	567 498	31 29	25.4	610 549		\\ \right\} \begin{align*} 19 \cdot 0 \\ * \end{align*}	787 1,346
TOTAL — Manufactures of iron and steel wire		4,486		•••	5,091			7,591
Manufactures of copper {	1.6	124 50	14 11	1.6	124 50		}	101
Manufactures of brass {	0.3	60 64	20 11	0.3	60 64		}	252
Manufactures of wire of un- classified metals:— Wire cloth§ Other manufactures		123 173	8 25		123 173		†	<u>†</u>
Total — Principal Products		12,679	•••		16,791	•••	in a	21,072

^{*} Quantity not stated.

Prices.—The average selling values of the principal classes of wire and wire goods in 1930 and 1924, as calculated from the Census returns, are shown in the following table:—

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[†] Not separately recorded. ‡ The particulars shown for 1930 relate chiefly, and for 1924 entirely, to uninsulated electric wire sold (or added to stock) by electrical firms.

[§] So far as recorded separately.

| Imperial standard wire gauge.

Kind of goods	Average	Average value			
Kind of goods	1930	1924	percentage of 1924		
was to a second	£ per ton	£ per ton	Per cent.		
Iron and steel:—	2000	•			
Fencing wire:	Confession while				
Barbed	17.8	24.0	74.2		
Other sorts	15.7	19.1	82.2		
Uninsulated electric wire	25.3	35.8	70.7		
Other kinds of wire	20.0	25.6	78.1		
Wire cables and rope (except insulated telephone and telegraph	942 A.L.		The supple		
cables)	42.6	54.7	77.9		
Wire netting	26.6	39.1	68.0		
Wire nails and staples	17.4	21.6	80.6		
Other manufactures of iron or steel	9		elsonere.		
wire (excluding wire mattresses)	24.4	41.8	58.4		
Copper wire, in coils (including uninsu-	STATE OF THE STATE OF				
lated electric wire):—					
Circular section :—					
Thinner than No. 20 gauge	81.6	97.1	84.0		
No. 20 gauge and thicker	77.1	88.9	86.7		
Other than circular	88.3	95.0	93.0		
Brass wire, in coils Wire of other alloys of copper, in coils	$\begin{bmatrix} 84 \cdot 2 \\ 106 \cdot 8 \end{bmatrix} 91 \cdot 4$	102.6	89.1		

Volume of production in 1930 and 1924.—The following table compares the volume of production of wire and manufactures thereof in 1930 and 1924. About 25 per cent. of the total values shown as returned in each year represents goods produced by firms that made returns on schedules for trades other than the Wire Trade.

	To	1930		
Kind of goods	1930	1930 1924		
	As returned	As returned	At 1930 average values	percentage of 1924
	£'000	£'000	£'000	Per cent.
Iron and steel wire:— Fencing wire:—	870.71		7000	0003000
Barbed	159	230	171	93
Other sorts	263	372	306	86
Uninsulated electric wire	90	115	81	110
Other kinds	4,499	6,445	5,034	89
Manufactures of iron and steel				建筑建筑等
wire:—		•俄萨姆 郭克		THE PERSON NAMED IN
Wire netting	549	1,232	838	66
Wire nails and staples	294	294	237	124
Wire cables and rope	3,019	3,932	3,063	99
Other manufactures of iron or steel wire (excluding wire	ilos gaimi	tol ent in	a walle, a	A Japania
mattresses)	1,229	2,133	1,246	99
		, , , ,		

hash per as leabean askenaares	T	1000		
Wind for 1	1930 1924		024	1930 as a
Kind of goods	As returned	As returned	At 1930 average values	percentage of 1924
Copper wire, in coils :— Circular section :—	£'000	£'000	£'000	Per cent.
Thinner than No. 20 gauge	260	631	530	49
No. 20 gauge and thicker	2,425	2,738	2,374	102
Other than circular	450	205	191	236
Not separately distinguished Wire of brass and other copper	1,844	1,218	997†	186
alloys, in coils	937	1,174	1,046	90
Wire of aluminium	179§	*	_	_
Manufactures of copper wire	174	101	87‡	200
Manufactures of brass wire	124	252	225**	55
Manufactures of wire of unclassified metals	296	*		indonturedi fore <u>wi</u> th
TOTAL	16,791	21,072	16,426	102

* Not recorded separately.

† Based on average values of circular copper wire. § Including £3,000 in respect of wire of other non-ferrous metals.

‡ Based on average values of copper wire of all kinds.

** Based on average values of wire of brass and other copper alloys.

Production, exports and imports.—The following table shows, in relation to production, the quantities of the principal classes of iron and steel wire and manufactures thereof and of copper, brass, etc., wire exported from the United Kingdom in 1930 and 1924, together with the quantities imported and retained.

Kind of goods	Produc- tion	Exports	Proportion of production exported	Retained imports	in the United	Share of home market held by British products
	Th. tons	Th. tons	Per cent.	Th. tons	Th. tons	Per cent.
Iron and steel 1930	295.1	54.1	18.3	59.3	300.3	80.2
wire 1924	322 · 1	77.9	24.2	45.7	289.9	84.2
Wire cables and			1 5000	MARINE OF		
rope (except 1930	70.4	20.6	00.9	1 7	50.0	97.8
insulated tele- $\frac{1930}{1924}$	72.2	26.3	$29 \cdot 3$ $36 \cdot 4$	0.5	$50 \cdot 9$ $46 \cdot 4$	98.9
phone and tele-	12.2	20.3	90.4	0.9	40.4	30.3
graph cables)		Guerra Trans	***	***	• • •	
Wire netting \ \ \frac{1930}{1004}	20.6	9.0	43.7	6.4	18.0	64.4
Wife fletting \ 1924	31.6	18.8	59.5	4.2	17.0	75.3
Wire nails and 1930	16.9	2.4	14.2	64.0	78.5	18.5
staples \ 1924	13.6	3.9	28.7	52.7	62.4	15.5
Copper wire, in 1930	47.0*	9.0	19.1	6.7	44.7*	85.0
coils 1924	43.2*	11.0	25.5	5.1	37.3*	86.3
Wire of brass and 1930	12.1	0.9	7.4	2:2	13.4	83.6
other copper 1924 alloys, in coils	11.5	2.5	21.7	$\tilde{o} \cdot \tilde{s}$	9.8	91.8

^{*} Excluding wire drawn by electrical firms for their own use.

Work done for the trade.—The total amount recorded as received for work done on goods supplied by other firms was £72,000 for 1930, and £12,000 was recorded in respect of other work done for customers. The total amount received for work done for the trade in 1924 was returned as £55,000.

Other products.—In addition to the output shown in the table of principal products on pages 142-3, the following goods were produced in 1930 and 1924 by firms that made their returns on schedules for the Wire Trade. These goods are dealt with in the reports on those trades in which the principal output was recorded.

The state of the s	193	30	1924		
Kind of goods	Quantity	Value	Quantity	Value	
The state of the s	Th. tons	£'000	Th. tons	£'000	
Manufactures of iron and steel:—			to esan teles	derectorist?	
Wire rods	13.5	123	23.2	293	
Other semi-finished iron and steel	13.3	247	14.4	355	
Wire mattresses	12 1	45	12 12 A	123	
Other manufactures		112		106	
Goods of other metals		304		399	
Other goods made		136	TOOLS I MANAGE	6	
TOTAL VALUE	100 100 100 100 100 100 100 100 100 100	967		1,282	

Waste products sold.—Sales of scrap metals (mainly iron and steel) were recorded as £17,000 (4,500 tons) for 1930 and as £50,000 for 1924.

Employment and Wages

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

Service Company (Company)	Males		Females		Total	
Persons employed	Under 18	All	Under 18	Allages	Under 18	All
1930 Operatives (average for the year) Administrative, technical and	1,984	16,511	1,090	3,229	3,074	19,740
clerical staff (as at 18th October)	129	1,723	108	752	237	2,475
TOTAL	2,113	18,234	1,198	3,981	3,311	22,215
1924 Operatives (average for the year) Administrative, technical and	2,509	18,661	1,099	3,813	3,608	22,474
clerical staff (as at 18th October)	263	1,742	121	623	384	2,365
TOTAL	2,772	20,403	1,220	4,436	3,992	24,839

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:—

Sind Street Will 1 South		1930			1924	
Power equipment	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 Steam turbines Internal combustion engines :—	16,276 6,667	1,710	17,986 6,667	20,645 4,977	2,387 1,340	23,032 6,317
Gas	3,757	372	4,129	5,625	750	6,375
Petrol, kerosene, or other light oils Heavy oils Water engines	10 1,028 630	25 — 57	35 1,028 687	41 388 768	5 — —	46 388 768
TOTAL	28,368	2,164	30,532	32,444	4,482	36,926
ELECTRIC GENERATORS Driven by	Kw.	Kw.	Kw.	Kw.	Kw.	Kw.
Reciprocating steam engines Steam turbines Internal combustion	3,266 5,000	400	3,666 5,000	3,097 3,850	763 1,000	3,860 4,850
engines:— Gas Petrol, kerosene, or other light	1,051	120	1,171	1,180	4	1,184
oils	3 170	-	3	5 93	_	5
Water engines	49		170 49	_ 95		93
TOTAL	9,539	520	10,059	8,225	1,767	9,992
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
ELECTRIC MOTORS Driven by Electricity generated in same works Electricity generated in other works	17,255	1,363	18,618	15,013	1,476	16,489
under same owner- ship Purchased electricity	2,744 60,011	176 5,145	2,920 65,156	50,213	4,763	— 54,976
TOTAL	80,010	6,684	86,694	65,226	6,239	71,465

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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	82,836	105,275*	_	
Coke	5	28,738*	1,012	
PROBE THE TWO I		The second	B.T.U. (Kwhrs.)	
Electricity used for all purposes			12 012	
Generated in same works		• • • • • • • • • • • • • • • • • • • •	13,913	
			13,913 4,504 46,776	

^{*}These figures were recorded by firms representing 97·1 per cent. of the net output of the whole trade.

TABLES

I. Summary of results

Particulars	Unit	England and Wales	Scotland	Great Britain
Volvo of goods and and and all			othog	node()
Value of goods made and work done (Gross output)	£,000	12,805	942	13,747
Cost of materials used Paid for work given out to other firms	,,	8,747	593	9,340
Net output	,,	4,017	346	4,363
Average number of persons employed	No.	20,209	2,006	22,215
Net output per person employed Power available :—	£	199	173	196
Prime movers Electric motors driven by purchased	H.P.	27,286	3,246	30,532
electricity	,,,	62,323	2,833	65,156

II. Production

A.—Total make of Wire Rods and total quantity of Wire drawn as returned on schedules for the Wire Trade

Kind of goods	England and Wales	Scotland	Great Britain
Iron and steel wire rods	Th. tons	Th. tons	Th. tons 60.0
Iron and steel wire	*	*	285.6
Copper wire	34.5	†	34.5
Wire of brass and other copper alloys	4.7	0.6	5.3
			Hall Ave

^{*} Owing to the possible disclosure of information relating to individual firms, figures can only be given for Great Britain as a whole.

[†] Less than 50 tons.

B.—OUTPUT SOLD OR ADDED TO STOCK AND WORK DONE

		V2-70-9-15-0-15-0-15-0-15-0-15-0-15-0-15-0-1		
Kind of goods made and work done	Unit	England and Wales	Scotland	Great Britain
Wire Iron and steel wire :— — Fencing wire :— — Barbed Other sorts Uninsulated electric wire Other kinds	Th. tons £'000 Th. tons £'000 Th. tons £'000 Th. tons £'000	*	* {	8·9 159 16·6 261 1·7 24 217·5 4,379
Total—Iron and steel wire {	£'000	*	*	4,823
Copper wire, in coils (including uninsulated electric wire):— Circular section:— Thinner than No. 20 gauge No. 20 gauge and thicker Other than circular	Th. tons £'000 Th. tons £'000 Th. tons £'000	} *	* {	2·2 172 20·3 1,494 4·9 432
Total—Copper wire {	Th. tons	*	*	27·4 2,098
Brass wire, in coils { Wire of other alloys of copper, in coils } Aluminium wire { Wire of other non-ferrous metals	Th. tons £'000 Th. tons £'000 Th. tons £'000 £'000	*	* {	$2 \cdot 5$ 248 $2 \cdot 4$ 251 $1 \cdot 6$ 176 3
Total—Wire	£'000	*	*	7,599
Manufactures of wire Manufactures of iron and steel wire: Wire cables and rope (except insulated telephone and telegraph cables)	Th. tons	55·0 2,344	9·1 381	64·1 2,725
Wire netting \{	Th. tons £'000 Th. tons	* * 10.6	*	17·1 462 10·6
Wire nails and staples {	£'000	164	*	164
Wire brushes: $\qquad \dots \qquad \dots$ Wire mattresses $\qquad \qquad \qquad$	£'000 Th. tons £'000	* 0·4 38	_	$\begin{array}{ c c }\hline 70\\ 0.4\\ 38\\ \end{array}$
Other manufactures of iron or steel wire Quantity not stated Quantity stated {	£'000 Th. tons £'000	7 22·9 550 461	1·9 17 37	7 24·8 567 = 498
Total-Manufac- Quantity stated	Th. tons	*	*	117.0

Kind of goods made and work done	Unit	England and Wales	Scotland	Great Britain
Manufactures of wire——cont.				
Manufactures of \(\int Quantity \) stated \(\{ \)	Th. tons	*	*	1.6
copper wire	£'000	*	*	124
copper wire Quantity not stated	£'000	*	*	50
Manufactures of \(\) Quantity stated \(\)	Th. tons	0.2	0.05	0.3
	£'000	39	21	60
brass wire Quantity not stated Manufactures of wire of unclassified metals:	£,000	14	50	64
	Th. tons		1.5	1.5
Wire cloth: $\left\{ egin{array}{ll} Quantity \ stated \\ Quantity \ not \ stated \end{array} \right.$	£'000		75	75
Quantity not stated	£'000	21	27	48
Other manufac- Quantity stated {	Th. tons	*	*	0.4
	£'000	*	*	21
tures "Quantity not stated	£,000	*	*	152
TOTAL—Wire and manufactures thereof	£'000	11,849	875	12,724
Other goods made				
Manufactures of iron and steel:—				
Wire rods	Th. tons	13.5	_	13.5
State of the state	£'000 Th. tons	123 13·3		123 13·3
Other semi-finished goods	£'000	247		247
Other manufactures	£,000	97	15	112
Goods of other metals	£'000	304		304
Scrap metal sold (mainly iron and steel)	,,	17		17
Other goods made	"	85	51	136
TOTAL VALUE OF GOODS MADE	£'000	12,722	941	13,663
Work done		Amount	Amount	Amount
Work done for the trade Other work	£'000	71 12	_1	72 12
TOTAL AMOUNT RECEIVED FOR WORK				
DONE	£'000	83	1	84
TOTAL VALUE OF GOODS MADE AND		12,805	942	13,747

^{*} Owing to the possible disclosure of information relating to individual firms, figures can only be given for Great Britain as a whole.

[†] Less than £500.

[‡] So far as recorded separately.

III. Employment

A.—Numbers employed in week ended 18th October, 1930

Persons employed	Ma	Males		Females		Males and females	
reisons employed	Under 18	All	Under 18	All ages	Under 18	All	
England and Wales:— Operatives	1,682	14,845	862	2,564	2,544	17,409	
Administrative, etc.* Total	115	1,599 16,444	962	3,236	215 2,759	2,271 19,680	
Scotland:— Operatives	244	1,185	196	571	440	1,756	
Administrative, etc.*	14	124	8	80	22	204	
TOTAL Great Britain :—	258	1,309	204	651	462	1,960	
Operatives Administrative, etc.*	1,926 129	16,030 1,723	1,058 108	3,135 752	2,984 237	19,165 2,475	
Тотац	2,055	17,753	1,166	3,887	3,221	21,640	

^{*} Administrative, technical and clerical staff.

B.—Operatives employed in one week in each month of 1930

Week	Males and females		Week	Males and females			
ended	England and Wales	Scotland	Great Britain	ended	England and Wales	Scotland	Great Britain
		18			100		8 (2 8 kg
Jan. 18	18,318	1,885	20,203	July 19	18,324	-1,728	20,052
Feb. 15	18,257	1,862	20,119	Aug. 16	17,905	1,766	19,671
Mar. 15	18,016	1,872	19,888	Sept. 13	17,689	1,747	19,436
Apl. 12	18,487	1,870	20,357	Oct. 18	17,409	1,756	19,165
May 17	18,336	1,824	20,160	Nov. 15	17,463	1,788	19,251
June 21	17,958	1,769	19,727	Dec. 13	17,093	1,762	18,855
AVERAGE 1	FOR THE	12 MONTH	s		17,938	1,802	19,740

IV. Power

Particulars of prime movers, electric generators and electric motors

	1.1.1	M OTATOE	1010105					
	Englan Wal		Scotl	and	Great B	Great Britain		
Power equipment	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.	н.р.		
Reciprocating steam engines Steam turbines Internal combustion engines :—	15,697 4,000	1,710	579 2,667		16,276 6,667	1,710		
Gas Petrol, kerosene or	3,757	372		uman ila	3,757	372		
other light oils Heavy oils	1,028	25		_	1,028	25		
Water engines	630	57			630	57		
TOTAL	25,122	2,164	3,246	20000000	28,368	2,164		
TOTAL OF PRIME MOVERS INSTALLED	27,5	286	3,246		30,532			
ELECTRIC GENERATORS Driven by	Kw.	Kw.	Kw.	Kw.	Kw.	- Kw.		
Reciprocating steam engines Steam turbines Internal combustion	3,094 3,000	400	172 2,000	=	3,266 5,000	400		
engines :— Gas Petrol, kerosene or	1,051	120	_		1,051	120		
other light oils Heavy oils Water engines	3 170 49		=		3 170 49	_		
TOTAL	7,367	520	2,172	_	9,539	520		
TOTAL OF ELECTRIC GENERATORS INSTALLED	7,8	87	2,1	2,172		10,059		
ELECTRIC MOTORS Driven by Electricity generated	Н.Р.	Н.Р.	H.P.	H.P.	Н.Р.	H.P.		
in same works Electricity generated in other works under same owner-	13,695	1,363	3,560	-	17,255	1,363		
ship Purchased electricity	2,744 57,544	176 4,779	2,467	366	2,744 60,011	176 5,145		
TOTAL	73,983	6,318	6,027	366	80,010	6,684		
TOTAL OF ELECTRIC MOTORS INSTALLED	80,3	801	6,393		86,694			

V. Consumption of fuel

	DEL SOCIETA		
Kind of fuel used	England and Wales	Scotland	Great Britain
Coal used for power	Tons 70,356 5	Tons 12,480	Tons 82,836 5
	B.T.U. (Kwhrs.)	B.T.U. (Kwhrs.)	B.T.U. (Kwhrs.)
Electricity used for all purposes:— Generated in same works Generated in other works under same	11,448	2,465	13,913
ownership Purchased	4,504 45,348	1,428	4,504 46,776
Total—Electricity	61,300	3,893	65,193

 $[\]ast$ In addition 1,012 tons of coke (all in England and Wales) were recorded as used for power and for other purposes, not separately distinguished.