



BOARD OF TRADE

FINAL REPORT
on the
CENSUS OF PRODUCTION
FOR 1948
Volume 5
Trade D
WIRE AND WIRE MANUFACTURES

*Presented by the Board of Trade to Parliament
in pursuance of the Statistics of Trade Act, 1947
(10 & 11 Geo. 6, Ch. 39, Sec. 7).*

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In interpreting the data in the following tables, it is essential to bear in mind not only the qualifications mentioned in this report but also the general explanations and qualifications contained in the separate booklet published in this series by H.M. Stationery Office entitled "Final Reports of the Census of Production for 1948: Introductory Notes", price 2s 0d. NET

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* Not applicable to this trade

WIRE AND WIRE MANUFACTURES TRADE

THIS REPORT on the Wire and Wire Manufactures Trade relates to establishments engaged wholly or mainly in the manufacture of ferrous and non-ferrous wire, and wire products such as wire nails, wire netting, wire gauze, wire brushes, etc., and of wire mattresses and springs. The manufacture of insulated electrical wire and cables is excluded.

This trade corresponds to minimum list heading 93 and part of heading 71 (uninsulated electrical wire) in the Standard Industrial Classification.

Any establishments in this trade in Northern Ireland are excluded in 1948. Owing to the risk of disclosure of information relating to individual firms, separate particulars of the very small output in Northern Ireland were not published for 1935.



METAL GOODS NOT ELSEWHERE SPECIFIED
WIRE AND WIRE MANUFACTURES TRADE

Summary
Larger establishments

TABLE 1

	1948 (a)	1937 (b)	1935 (b)
Gross output (production)	£'000 63,832	£'000 24,607	£'000 16,140
Cost of materials and fuel used	41,786	16,544	10,206
Payment for work done on materials given out	453	88	58
Net output	21,593	7,975	5,876
Wages and salaries of persons employed	11,258	..	..
Average number of persons employed (c)	No. 34,974 (d)	No. 27,246	No. 23,945
Net output per person employed (c)	£ 617	£ 293	£ 245
Stocks at end of year	£'000	£'000	£'000
Finished products and work in progress	3,612	..	..
Materials and fuel	4,864	..	..
Number of establishments	No. 277	No. ..	No. 225

- (a) Great Britain only.
(b) United Kingdom.
(c) Excluding outworkers.
(d) For an estimate of the total number of persons employed in this trade see Table 3.

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

	1948	1937	1935
Output of firms in this trade	£'000	£'000	£'000
Total value of sales (1948) or production (1937 and 1935)			
Principal products (see Table 8)	58,978	21,818	14,526
Other output (see Table 10)	5,538	2,789	1,614
Adjustment for changes in stocks and work in progress (see Table 14)	+ 497	..	..
	65,014	24,607	16,140
Less payment for transport by other firms	1,182		
Gross output (production)	63,832	24,607	16,140
Materials and fuel used by firms in this trade			
Purchases (see Table 13)	42,752	16,544	10,206
Adjustment for changes in stocks (see Table 14)	- 966		
Materials and fuel used	41,786	16,544	10,206

Summary, 1948
Small firms in Great Britain

TABLE 2

Number of returns	178
Average number of persons employed (a)	
Males	807
Females	208
Total	1,015

(a) Including working proprietors.

Estimated average employment, 1948
All firms in Great Britain

TABLE 3

As returned by firms	
Employing on average more than ten persons (a)	34,974
Employing an average ten persons or less (b)	1,015
	35,989
Estimated average employment in firms not making satisfactory returns	210
Estimated average employment in all firms	36,199

- (a) See Tables 1 and 15.
(b) See Table 2.

Analysis by size, 1948
Larger establishments in Great Britain

TABLE 4

Average number employed	Establishments	Gross output	Net output	Persons employed	Remuneration			Net output per person employed
					Wages	Salaries	Total	
	No.	£'000	£'000	No.	£'000	£'000	£'000	£
11-24	72	1,609	684	1,296	267	80	347	527
25-49	60	2,785	1,198	2,074	461	177	638	578
50-99	51	5,471	2,330	3,507	760	322	1,082	664
100-199	46	11,132	4,151	6,512	1,679	447	2,126	637
200-299	14	6,806	2,189	3,395	818	264	1,082	645
300-399	13	7,932	2,919	4,469	1,258	274	1,532	653
400-499	5	3,330	1,431	2,171	517	161	678	659
500-749	10	10,324	3,303	5,792	1,516	310	1,827	570
750 and over	6	14,443	3,389	5,758	1,555	391	1,946	589
Total	277	63,832	21,593	34,974	8,832	2,427	11,258	617

TABLE 7 (contd.)

	Returned in this trade				Returned in all trades					
	1948 (b)		1937 (c)		1948 (b)		1937 (c)		1935 (c)	
	Quantity	Entries	Quantity		Quantity	Entries	Quantity			
	Th. tons	No.	Th. tons	Th. tons	Th. tons	No.	Th. tons	Th. tons		
Copper wire in coils (including un-insulated electric wire) (f)										
Circular section										
Thinner than No. 20 gauge, (S.W.G.)	16.4	15			16.5	18				
No. 20 gauge (S.W.G.) and thicker	32.1	13			43.5	20				
Unclassified	-	-			88.3	10				
Stranded wire	(g)	..	56.1	39.9	6.8	7	154.0	120.7		
Other than circular section (including strip not exceeding 6 ins. in width)	(g)	..			9.8	9				
Aluminium wire	3.5	15	0.6	0.4	6.3	23	1.6	0.9		
Nickel alloy wire	(g)	..	(h)	(h)	3.1	18	(h)	(h)		

(a) Of the quantities returned the following amounts were recorded as being re-drawn from purchased wire:-

Wire of	1948		1937		1935	
	Quantity	Entries	Quantity	Quantity		
	Th. tons	No.	Th. tons	Th. tons		
Iron and steel (except insulated wire)						
Single strand other than fencing						
Mild steel	11.6	18				
Other	4.5	14	3.5	3.6		
Other iron and steel wire (except insulated wire)	0.3	..				
Brass, in coils (including all alloys of copper but excluding nickel alloys other than nickel silver)						
Of brass						
Circular section	1.9	17				
Of other alloys of copper			1.6	1.3		
Circular section	0.5	10				
Copper, in coils (including un-insulated electric wire)	0.2	12	0.2	0.1		
Nickel alloys	0.4	9	-	-		

A small measure of duplication in the totals is thus involved unless the wire re-drawn was imported.

(b) Great Britain only.

(c) United Kingdom.

(d) Where a firm has returned a quantity of wire drawn from wire rods and a quantity re-drawn from purchased wire, the total has been treated as one entry.

(e) Described as "Wire of brass and other alloys of copper" in 1937 and 1935.

(f) Described as "Wire of copper" in 1937 and 1935.

(g) Owing to the risk of disclosure of information relating to individual firms separate particulars cannot be given.

(h) Not recorded.

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

Larger establishments

TABLE 8

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000	Th. tons	£'000
Iron and steel wire (except insulated wire)							
Fencing wire (except barbed wire)							
Single strand	9.0	339	13	15.3	267	12.4	184
Strand of two or more ply	0.7	37	9	0.8	18		
Barbed wire	18.3	809	7	11.8	239	13.3	220
Other kinds							
Single strand							
Mild steel	389.3	13,316	72	343.5	5,916	343.2	6,300
Other	148.3	9,524	60	114.5	3,800		
Strand of two or more ply							
Mild steel	7.0	373	21	5.0	124	10.6	186
Other	0.9	77	7				
Total iron and steel wire (except insulated wire)	573.5	24,475	..	490.9	10,364	379.5	6,890
Manufactures of iron and steel wire							
Wire cable and rope (except insulated telephone and telegraph cable)	89.8	8,725	46	82.0	3,864	66.6	2,815
Wire netting, wire fencing and wire mesh of all kinds							
Hexagonal mesh galvanised	22.7	1,750	8	18.6	590	21.1	555
Woven wire cloth, gauze, fabric, screening sieving lawn or meshing, square and rectangular mesh (other than mesh for pot scourers) (c)							
Mesh from 2 and up to 30 per lineal inch	Th. sq. ft. 5,416 Th. tons 1.3	278	14				
Mesh from 30 and up to 100 per lineal inch	Th. sq. ft. 2,077 Th. tons 529	60	10	3.8	243	1.3	86
Mesh over 100 per lineal inch	Th. tons 0.1 2.7	352	..				

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METAL GOODS NOT ELSEWHERE SPECIFIED

Analysis by standard region, 1948

Larger establishments in Great Britain

TABLE 5

Region	Establishments	Gross output	Net output		Persons employed	Remuneration		
			Value	Percentage of total		Wages	Salaries	Total
	No.	£'000	£'000		No.	£'000	£'000	£'000
England								
Northern	20	4,038	1,546	7.2	2,457	580	140	721
East and West Ridings of Yorkshire	63	13,608	4,886	22.6	7,707	2,092	482	2,574
North Midland	5	2,024	842	3.9	1,373	332	85	417
Eastern	5	1,158	516	2.4	737	193	69	262
London and South Eastern	42	4,414	1,541	7.1	2,317	603	188	791
Southern and South Western	11	483	193	0.9	344	65	35	100
Midland	47	11,203	3,654	16.9	5,515	1,431	520	1,951
North Western	48	20,760	5,830	27.0	9,742	2,458	614	3,072
Total England	241	57,688	19,008	88.0	30,192	7,755	2,132	9,887
Wales	13	1,631	547	2.5	1,008	234	83	317
Scotland	23	4,514	2,038	9.4	3,774	843	211	1,054
Great Britain	277	63,832	21,593	100.0	34,974	8,832	2,427	11,258

Analysis according to specialisation within the trade, 1948

Larger establishments in Great Britain

TABLE 6

	Establishments	Gross output	Sales of characteristic products	Net output	Persons employed	Remuneration			Net output per person employed
						Wages	Salaries	Total	
	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Establishments specialising in the drawing of wire	74	24,225	21,057	6,818	10,783	3,059	706	3,765	632
Establishments specialising in the working of wire	159	16,307	15,472	7,207	12,203	2,576	920	3,496	591
Establishments engaged in the drawing and working of wire	44	23,301	22,056	7,568	11,988	3,197	800	3,997	631
Total	277	63,832		21,593	34,974	8,832	2,427	11,258	617

WIRE AND WIRE MANUFACTURES

Total quantity of wire drawn from wire rods or purchased wire (including wire drawn and used for further manufacturing purposes in the same works) (a)

Larger establishments

TABLE 7

	Returned in this trade				Returned in all trades			
	1948 (b)		1937 (c)	1935 (c)	1948 (b)		1937 (c)	1935 (c)
	Quantity	Entries (d)	Quantity		Quantity	Entries	Quantity	
	Th. tons	No.	Th. tons	Th. tons	Th. tons	No.	Th. tons	Th. tons
Iron and steel wire (except insulated wire)								
Single strand								
Fencing	23.1	12			23.1	12		
Other								
Mild steel	359.8	60			440.3	65		
Other	156.0	52			156.0	52		
Strand of two or more ply			559.1	440.5			559.7	444.2
Fencing	0.8	6			0.8	6		
Other								
Mild steel	14.1	8			14.1	8		
Other	5.7	7			5.7	7		
Brass wire in coils (including all alloys of copper but excluding nickel alloys other than nickel silver) (e)								
Of brass								
Circular section								
Thinner than No. 20 gauge (S.W.G.)	3.4	18			3.4	18		
No. 20 gauge (S.W.G.) and thicker	12.9	13			12.9	13		
Of other alloys of copper								
Circular section								
Thinner than No. 20 gauge (S.W.G.)	1.0	12	7.4	6.2	1.0	12	21.2	17.0
No. 20 gauge (S.W.G.) and thicker	2.6	6			2.6	6		
Other descriptions (including stranded wire)	0.5	..			0.5	..		
Unclassified								
Circular section					6.0	..		

TABLE 8 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	No.	Th. tons	£'000	Th. tons	£'000
Manufactures of iron and steel wire (contd.)							
Wire netting, wire fencing and wire mesh of all kinds (contd.)							
Pot scourers made wholly or partly of woven or knitted mesh	7.6 Th. tons	151	7	..	(d)	..	(d)
Chain link fencing	10.6	641	12				
Reinforcement fabric	38.5 ..	1,666 174	11	8.9	250	8.2	201
Other	26.7	1,005	23				
Wire rods and bars purchased and fabricated for concrete reinforcement (e)	25.2 ..	775 78	10	..	(d)	..	(d)
Nails and tacks (including staples other than insulated made from wire)	71.4 Th. doz.	2,492	25	72.3 Th. doz.	1,162(f)	62.5 Th. doz.	832(f)
Wire brushes	326.0 Th. tons	461	43	242.0 Th. tons	97	233.5 Th. tons	77
Other manufactures of iron and steel wire, except wire mattresses and springs	15.2 ..	2,080 944	138	11.5 ..	713 402	16.3 ..	867 79
Total manufactures of iron and steel wire		21,796	..		7,321		5,512
Brass (including all alloys of copper but excluding nickel alloys other than nickel silver) (g)							
Wire in coils							
Of brass							
Circular section, thinner than No. 20 gauge (S.W.G.)	3.1	676	16				
Circular section, No. 20 gauge (S.W.G.) and thicker	12.7	2,163	13	9.0	717	7.6	475
Other descriptions (including stranded wire)	-	9	..				
Of other alloys of copper							
Circular section, thinner than No. 20 gauge (S.W.G.)	0.7	228	13				
Circular section, No. 20 gauge (S.W.G.) and thicker	2.5	535	7	5.0	491	4.2	303
Other descriptions (including stranded wire)	0.6	124	..				

TABLE 8 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000	Th. tons	£'000
Brass (including all alloys of copper but excluding nickel alloys other than nickel silver) (g) (Contd.)							
Wire in coils (contd.)							
Unclassified	6.2 Th. sq. ft.	1,125	..	-	-	-	-
Paper machine wires	363 2,782 Th. cwts.	59 483	6	2,396 Th. cwts.	201	2,125 Th. cwts.	173
Woven wire cloth, gauze, fabric, screening sieving lawn or meshing, square and rectangular mesh, other than paper machine fourdrinier wires (c)							
Mesh from 2 and up to 30 per lineal inch	5.1 ..	117 85	13				
Mesh from 30 and up to 100 per lineal inch	5.1 ..	273 64	12	7.7	87	4.9	65(e)
Mesh over 100 per lineal inch	1.2 ..	65 26	9				
Other manufactures of brass etc., wire	15.2 ..	228 59	29	21.1	148	12.1 ..	88 11
Total brass, etc. wire and manufactures thereof		6,315	..		1,644		1,115
Copper	Th. tons			Th. tons		Th. tons	
Wire in coils (including uninsulated electric wire)							
Circular section							
Thinner than No. 20 gauge (S.W.G.)	14.5	2,549	19	20.2	1,550	12.8	765
No. 20 gauge (S.W.G.) and thicker	41.8	6,572	23	72.6	5,052	60.0	3,032
Unclassified	15.2 ..	2,601 1,174	7	-	-	-	-
Other than circular	13.2	2,553(h)	12	6.9	526	4.5	257
Stranded wire	14.5 ..	2,629 1,061	25	3.6	279(e)	..	(d)
Wire cloth	Th. cwts. 4.8	118	12	Th. cwts. 3.5	31	Th. cwts. 4.3	36(e)
Other manufactures of copper wire	5.4 ..	104 53	33	17.5	60	33.2	91(1)
Total copper wire and manufactures thereof		19,414	..		7,498		4,181
Aluminium	Th. tons			Th. tons		Th. tons	
Wire	3.6	759	24	1.5	178	0.7	89
Manufactures of aluminium wire	0.6	165	18	..	(d)	..	(d)

TABLE 8 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000
Nickel alloys							
Wire	58.7	1,675	20	..	(d)	..	(d)
Wire cloth	1.3	83	7	1.6	49	0.8	27(e)
Other manufactures of nickel alloy wire	0.4	76	10	..	(d)	..	(d)
Nickel wire	2.9 ..	87 10	11	44.7	587	34.0	456
Wire of other non-ferrous metals (excluding precious metals)	31.3 ..	456 367	24				
Wire of unclassified metals and alloys	55.4 ..	469 22	8	-	-	-	-
Manufactures of wire of non-ferrous metals other than brass, copper and precious metals	-	-	..	8.1 ..	53 17	5.8	21
Manufactures of wire of unclassified metals	-	-	..	31.4 ..	118 66	17.1	60 98
Work done for the trade or on commission (j)		454	63		145		76
Total		76,621	..		28,040		18,525
Less sales (or production) in other trades (see table 9)		17,643	..		6,222		3,999
Total principal products of this trade sold or made by establishments in the trade		58,978	259		21,818		14,526

(a) Great Britain only.

(b) United Kingdom.

(c) Described as "Wire cloth" in 1937 and 1935.

(d) Not recorded separately.

(e) So far as recorded separately.

(f) Described as "Wire nails (including staples)".

(g) Described as "Brass and other alloys of copper other than nickel alloys" in 1937 and 1935.

(h) May include some strip.

(i) Including some copper wire.

(j) Amount charged in 1948 and amount received in 1937 and 1935.

Sales (or production) of principal products of the trade by establishments classified to other trades

Larger establishments

TABLE 9

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000	Th. tons	£'000
Iron and steel wire (except insulated wire)							
Single strand (except fencing wire)							
Mild steel	80.2	2,354	8	0.4	7	4.0	110
Other	1.8	141	5	0.2	13		
Other kinds (including fencing and barbed wire)	0.5	18	..	-	-		
Total iron and steel wire (except insulated wire)	82.5	2,513	..	0.6	20	4.0	110
Manufactures of iron and steel wire							
Wire cable and rope (except insulated telephone and telegraph cable)	2.0	187	5	2.5	117	2.1	95
Wire netting, wire fencing and wire mesh (excluding hexagonal mesh galvanised; woven wire cloth, etc. mesh from 2 up to 30 per lineal inch and mesh from 30 up to 100 per lineal inch; and reinforcement fabric)	1.5 Th. doz. 159.6 Th. tons	340	..	2.6 Th. doz. 40.6 Th. tons	83	4.2 Th. doz. 30.4 Th. tons	111 20
Wire brushes		270	35		27		
Other manufactures of iron and steel wire, except wire mattresses and springs	40.4 ..	1,612 216	..	6.9 ..	276 19	5.9 ..	232 3
Total manufactures of iron and steel wire		2,625	..		522		461
Brass (including all alloys of copper but excluding nickel alloys other than nickel silver) (d)							
Wire in coils	6.2 Th. cwts.	1,125	..	8.7 Th. cwts.	730	6.9 Th. cwts.	432
Manufactures of brass etc. wire	10.5 ..	159 .13	9	11.4	58	6.9	40
Total brass, etc. wire and manufactures thereof		1,298	..		788		472

TABLE 9 - (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000	Th. tons	£'000
Copper							
Wire in coils (including uninsulated electric wire)							
Circular section	26.6	4,285	..	56.2	3,902	42.9	2,304
Other, including stranded wire and wire not in coils	14.0	2,621(e)	..	1.3	106	1.0	46
Th. cwts.	..	1,061	..	Th. cwts.	..	Th. cwts.	..
Manufactures of copper wire	1.1	32	..	16.1	52	7.4	18
Th. cwts.	..	31	..	..	..	..	..
Total copper wire and manufactures thereof		9,204	..		4,060		2,368
Aluminium wire and manufactures thereof	1.7	397	8	1.0	133(f)	2.1	501(f)
Th. cwts.	..	..	..	Th. cwts.	..	Th. cwts.	..
Wire of nickel, nickel alloy and other non-ferrous metals (except precious metals)	50.3	1,003	..	41.0	553	..	..
Th. cwts.	..	387	..	..	..	..	..
Wire of unclassified metals and alloys	7.7	155	5	-	-	-	-
Th. cwts.	..	22	..	..	..	..	..
Manufactures of wire							
Of non-ferrous metals other than brass, copper and precious metals	-	-	-	3.2	23	19.9	62
Of unclassified metals	-	-	-	27.4	95	..	8
Th. cwts.	..	..	..	..	10	..	..
Work done for the trade or on commission (g)		60	..		18		17
Total		17,643	..		6,222		3,999

(a) Great Britain only.

(b) United Kingdom.

(c) Not recorded separately.

(d) Described as "Brass and other alloys of copper other than nickel alloys" in 1937 and 1935.

(e) May include some strip.

(f) Excluding manufactures of aluminium wire.

(g) Amount charged in 1948 and amount received in 1937 and 1935.

Sales (or production) in the trade of other
than principal products

Larger establishments

TABLE 10

	1948 (a) Sales		1937 (b) Production		1935 (b) Production	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Manufactures of iron and steel						
Wire rods	18.9	399	39.0	419	33.8	297
Other semi-finished iron and steel	8.4	445	4.2	128	2.8	77
Springs	4.0	336	4.4	160(c)	..	163(c)
Fencing materials of cast or wrought iron	1.3	54	1.2	26	..	46
Th. cwts.	..	106	..	..	..	..
Other manufactures of iron and steel	4.0	382	7.4	178	..	192
Th. cwts.	..	6	..	143	..	..
Manufactures of other metals						
Rods, sections, shapes, plates, ingots, and wire not in coils						
Of brass (including all alloys of copper, but excluding nickel alloys other than nickel silver) (d)	5.0	804	1.8	169	..	77
Of copper and other non- ferrous metals	..	1,447	..	996	..	480
Other manufactures	..	42	..	42	..	31
Scrap and by-products sold						
Scrap metals						
Iron and steel	28.2	170	28.6	85	23.7	56
Brass	0.7	58	0.2	10	0.5	14
Copper	3.0	333	2.2	116	1.1	37
Zinc	4.4	145	3.6	47	2.4	19
Other metals	3.8	127	0.4	16	0.3	6
Concentrates, metallic residues, wastes, etc.	0.4	23	0.8	18	1.1	9
Th. cwts.	..	10	..	..	..	..
Other goods	..	585	..	214	..	90
Work done (e)		67		22		20
Total		5,538		2,789	..	1,614

(a) Great Britain only.

(b) United Kingdom.

(c) Described as "Coil springs".

(d) Described as "Brass and other alloys of copper, other than nickel alloys" in 1937 and 1935.

(e) Amount charged in 1948 and amount received in 1937 and 1935.

Analysis of sales, 1948

Larger establishments in Great Britain

TABLE 11

	Sales	Percentage of total sales
	£'000	
Sales (or transfers) to other organisations under the same control		
Productive works	6,497	10.1
Export sales organisations (including branches abroad)	193	0.3
Other wholesale or selling organisations	529	0.8
Retail shops, etc.		
Total sales (or transfers) to other organisations under the same control	7,219	11.3
Sales to independent buyers		
Exports invoiced directly overseas	5,079	7.9
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad	1,744	2.7
His Majesty's Government and Local Authorities (other than productive establishments)	654	1.0
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	37,799	59.0
Wholesalers, merchants and other agents for resale	5,068(a)	7.9
Retailers, including multiple shops, caterers and N.A.A.F.I. for resale	1,320	2.1
Other businesses (including farmers) and institutions of all kinds	1,743	2.7
Members of the public, including employees	76	0.1
Unclassified	3,355	5.2
Total sales to independent buyers	56,837	88.7
Total	64,056	100.0

(a) Of this total £3,007,000 was recorded as divided between £1,180,000 for export and £1,826,000 for other sales.

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

TABLE 12

	Production (b)	Exports (c)	Retained imports (d)
	Th. tons	Th. tons	Th. tons
Iron and steel wire (except insulated wire)			
Single strand			
Fencing	{ 1948 23.1(e) 1937 15.3(j)}	2.6 10.9	- 2.1
Other	{ 1948 580.3(e) 1937 458.0(j)}	28.1 42.1	19.7 13.3
Strand of two or more ply	1948 20.3(e)	1.8	0.1
Brass wire in coils			
Circular section	1948 14.5(e)(f)	0.9	0.1
Other descriptions (including stranded wire)	1948 -	0.7	
Total brass wire	{ 1948 14.5(e)(f) 1937 9.0(j)}	1.5 0.6	0.1 2.3
Wire of other alloys of copper in coils (excluding nickel alloys other than nickel silver)			
Circular section	1948 3.2(e)(f)	0.6	-
Other descriptions (including stranded wire)	1948 0.5(f)	0.8	
Total wire of other alloys of copper	{ 1948 3.6(e)(f) 1937 5.0(j)}	1.4 0.5	- 0.1
Total wire of brass and all other alloys of copper	{ 1948 24.2(e)(g) 1937 19.6(e)(h)}	2.9 1.1	0.1 2.4
Copper wire in coils (including uninsulated electric wire)			
Circular section	{ 1948 148.0(e) 1937 153.8(e)(i)}	18.6 10.9	0.1 0.9
Other than circular section (including strip not exceeding 6 ins. in width)	{ 1948 9.8 1937 6.9(j)}	1.7 0.3	0.1 0.1
Aluminium wire	1948 6.3	1.1	..
Nickel alloy wire	{ 1948 2.7(e) 1937 ..	0.6 0.4	- -
Manufactures of iron and steel wire			
Wire cable and rope (except insulated telephone and telegraph cable)	{ 1948 89.8(j) 1937 82.0(j)}	27.1 19.7	0.1 0.9
Wire netting, wire fencing and wire mesh of all kinds			
Hexagonal mesh, galvanised	{ 1948 22.7(j) 1937 18.6(j)}	4.9 7.0	- 0.3
		Th. cwts.	Th. cwts.
Pot scourers made wholly or partly of woven or knitted mesh	1948 7.6(j)	1.0(k)	-

TABLE 12 (contd.)

		Production (b)	Exports (c)	Retained imports (d)
Manufactures of iron and steel wire (contd.)				
Wire netting, wire fencing and wire mesh of all kinds (contd.)				
Woven cloth, gauze, fabric, screening, sieving lawn or meshing, square and rectangular mesh (other than mesh for pot scourers)		£'000	£'000	£'000
Mesh from 2 and up to 30 per lineal inch	1948	388(j)	141	8
Mesh over 30 and up to 100 per lineal inch	1948	462(j)	29	
Mesh over 100 per lineal inch	1948	2(j)	7	
Other	1948	3,486(j)	586	10
Total wire netting, wire fencing and wire mesh of all kinds, other than hexagonal mesh, galvanised		1948	783(k)	18(k)
		1937	158(l)	24(k) (l)
Nails and tacks (including staples other than insulated) made from wire		Th. tons	Th. tons	Th. tons
		1948	7.7(m)	0.8
		1937	4.3	18.2
Manufactures of brass wire (including wire of all alloys of copper, but excluding nickel alloys other than nickel silver)				
Paper machine wires		Th. sq. ft.	Th. sq. ft.	Th. sq. ft.
		1948	1,080	73
		1937	490	1,080
Woven wire cloth, gauze, fabric, screening sieving lawn or meshing, square and rectangular mesh, other than paper machine fourdrinier wires		£'000	£'000	£'000
Mesh from 2 and up to 30 per lineal inch	1948	202(j)	101	5
Mesh over 30 and up to 100 per lineal inch	1948	338(j)	95	
Mesh over 100 per lineal inch	1948	91(j)	15	

- (a) Figures of production refer only to larger establishments in Great Britain (1948) or the United Kingdom (1937). All recorded exports from and imports into the United Kingdom are given in the table. The figures, therefore, are not strictly comparable.
- (b) Including sales (or production) by establishments classified to other trades.
- (c) Valued f.o.b.
- (d) Valued c.i.f.
- (e) Total weight of wire drawn, less amount re-drawn from purchased wire.
- (f) So far as recorded separately.
- (g) Including 6,000 tons of unclassified wire of brass and other alloys of copper.
- (h) Including wire other than in coils.
- (i) Including wire other than in coils and wire other than of circular section.
- (j) Sales in 1948 and production for sale in 1937.
- (k) The overseas trade figures include pot-scourers of other than iron and steel mesh.
- (l) Excluding pot scourers.
- (m) Including insulated staples.

Purchased materials and fuel

Larger establishments

TABLE 13

	1948 (a)		1937 (b)		1935 (b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Materials						
Iron and steel						
Billets						
Of alloy steel	8.5	313	132.0	1,066	106.6	719
Other	47.1	735				
Bars and rods (other than wire rods)	22.5	637	17.9	219		
Wire rods	564.0	11,444	480.5	5,048	396.1	3,393
Wire	175.1	7,290	126.4	2,918	104.5	2,043
Copper						
Wire rods	41.6	5,755	14.3	879	52.8	1,901
Wire	1.3	214	1.1	58		
Other kinds	32.4	4,280	56.1	3,257		
Brass (including all alloys of copper but excluding nickel alloys other than nickel silver) (c)						
Wire rods	7.3	1,014	0.3	25	2.8	180
Wire	3.6	733	2.6	225		
Other kinds	7.4	857	1.0	44		
Aluminium						
Wire rods	3.5	437	..	2,113	..	1,528(d)
Wire	0.6	97				
Nickel	0.8	169				
Nickel alloys	1.4	401				
Zinc or spelter	12.3	919				
	..	359				
	Th. cwts.					
	22.6	199				
Cores of jute, hemp etc.	..	106				

TABLE 13 - (contd.)

	1948 (a)		1937 (b)		1935 (b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. cwts.	£'000	Th. tons	£'000	Th. tons	£'000
Materials (contd.)						
Packing materials	..	543				
All other purchased materials	..	4,409				
Fuel and electricity	Th. tons					
Coal	153.7	417	234.2	241	211.5	184
Coke	27.5	108	..	(e)	28.0	32
Electricity purchased (f)	Th. B.T.U. (kW. hrs.)		Th. B.T.U. (kW. hrs.)		Th. B.T.U. (kW. hrs.)	
From public supply	245,654	806				
From other sources			115,882	277	84,451	209
Electricity obtained from other works under the same ownership	6,384	27				
Motor spirit (petrol) and derv. fuel	Th. galls.				Th. galls.	
Used for road vehicles	389	37				
Used for other power purposes	30	2	..	(e)	..	(e)
Other oil fuel (including creosote/pitch mixtures)	970	39	..	(e)	1,190	19(g)
Gas purchased	Th. therms.					
From public supply	11,054	338				
From other sources			..	174	..	(e)
Gas obtained from works under the same ownership	..	21				
All other purchased fuel	..	10				
Materials and fuel, unclassified	..	29	-	-	-	-
Total		42,752		16,544		10,206

(a) Great Britain only.

(b) United Kingdom.

(c) Described as "Brass and other alloys of copper other than nickel alloys" in 1937 and 1935.

(d) Including fuel not specified separately.

(e) Not recorded separately.

(f) The total quantity of electricity consumed in 1948 was 255,370,000 B.T. units including 3,332,000 generated in the same works.

(g) Described as "Heavy fuel oil".

Stocks of finished products and work in progress and stocks of materials and fuel, 1948

Larger establishments in Great Britain

TABLE 14

	At beginning of year		At end of year	
	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000
Finished products				
Iron and steel wire (except insulated wire), single strand, other than fencing				
Mild steel	6.5	173	7.8	208
Other	3.2	126	3.4	145
Iron and steel wire cable and rope (except insulated telephone and telegraph cable)	9.7	534	8.7	506
Copper wire in coils (including uninsulated electric wire)	0.8	86	0.9	128
Other finished products	..	536	..	643
Work in progress		1,659		1,982
Total finished products and work in progress		3,115		3,612
Materials and fuel				
Iron and steel billets, bars and rods (other than wire rods)	8.3	187	9.3	248
Iron and steel wire rods	20.8	467	34.1	806
Iron and steel wire	16.0	657	20.1	834
Copper wire rods	1.8	177	1.9	256
Other descriptions of materials and fuel	..	2,368	..	2,688
Total materials and fuel		3,898		4,864

Employment and remuneration (a)

Larger establishments

TABLE 15

	Average number of operatives			Administrative, technical and clerical employees (b)			Total		
	1948 (c)	1937 (d)	1935 (d)	1948 (c)	1937 (d)	1935 (d)	1948 (c)	1937 (d)	1935 (d)
Males									
Under 18	1,099	2,665	2,218	117	145	133	1,216	2,810	2,351
All ages	23,198	20,195	17,777	3,362	1,931	1,649	26,560	22,126	19,426
Females									
Under 18	623	1,504	1,406	395	180	121	1,018	1,684	1,527
All ages	6,316	4,168	3,778	2,070	952	741	8,386	5,120	4,519
Total									
Under 18	1,722	4,169	3,624	512	325	254	2,234	4,494	3,878
All ages	29,514	24,363	21,555	5,432 (e)	2,883	2,390	34,946 (e) (f) (g)	27,246	23,945
Total remuneration	£'000 8,832	..	..	£'000 2,427	..	..	£'000 11,258	..	..

(a) Excluded employees. The following numbers were employed at establishments in this trade but are not included in the table or in any other report (e.g., employees in a separate selling or transport organisation for which separate accounts are kept):-

Canteen workers	10 males	362 females
Other workers	240 males	83 females

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

(c) Great Britain only.

(d) United Kingdom.

(e) There were, in addition, 28 working proprietors (26 males and 2 females) in 1948. Working proprietors are included in the 1937 and 1935 figures.

(f) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £279,000.

(g) The following persons (included in this total) were employed on special work by establishments employing 100 or more persons:-

	Operatives	Administrative, technical and clerical employees
Transport of goods outside the premises	82	
Maintenance and repair of firms' buildings, but not plant	101	
Research work not directly connected with current production however charged	5	8

In addition to the employees in the above table the firms in this trade employed 7 male and 170 female outworkers in 1948, the amount paid to them being £12,000. Similar information is not available for 1937 and 1935.

Wages and salaries paid, 1948 (a)

Larger establishments in Great Britain

TABLE 16

	Amount paid by all establishments	Establishments making returns for the calendar year					
		Amount paid	Percentage of annual remuneration paid in				
			First quarter	Second quarter	Third quarter	Fourth quarter	Year
Wages and salaries of	£'000	£'000					
Operatives	8,832	5,191	23.8	24.7	24.9	26.6	100.0
Administrative, technical and clerical employees	2,427	1,408	24.4	24.0	24.5	27.1	100.0
Total	11,258	6,599	23.9	24.5	24.8	26.7	100.0

(a) Including bonus and commission payments

TABLE 17 - Payments for work done on materials given out, 1948

Larger establishments in Great Britain

The total amount paid for work done on materials given out was £453,000.

Payments for certain services, 1948

Larger establishments in Great Britain

TABLE 18

	Amount paid
	£'000
Repair and maintenance	
Of buildings	152
Of plant, machinery and vehicles	484
Unclassified	286
Hire of plant, machinery and vehicles	38
Advertising and market research	
Advertising in newspapers, magazines and periodicals	36
Other advertising services (poster display, despatch of circulars, etc.) and market research	12
Unclassified	60
Payments made for research work	
To research associations	2
To universities, institutions, academic bodies and similar agencies	1
To other commercial concerns	4
Postage, telephone, telegrams and cables	108
Commercial insurance premiums	123
Rates (excluding water rates) payable in the year	49

Plant, machinery and vehicles acquired and disposed of, 1948

Larger establishments in Great Britain

TABLE 19

	Acquisitions		Disposals
	New	Second-hand	
	£'000	£'000	£'000
Plant and machinery	1,309	61	61
Vehicles	144	30	34
Total	1,453	91	95

Capital expenditure on building work and changes in occupation of buildings and land, 1948

Larger establishments in Great Britain

TABLE 20

	£'000	£'000
1. Capital expenditure on building work (a)		495
2. Existing buildings and land (b)		
(1) Capital costs of freeholds bought	21	
Estimated capital value of		
(11) Rented property newly occupied in the year (c)	31	
(111) Leasehold buildings and land newly occupied in the year	149	
Total of heading 2		201
Total of headings 1 and 2		696
3. Existing buildings and land relinquished (d)		
(1) Selling value of freeholds sold		24
(11) Estimated value of other properties relinquished		
Total of heading 3		24
4. Headings 1 and 2 less heading 3		672

(a) Excluding site value which, where appropriate, is included in heading 2(1).

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

(c) Property which is occupied under an agreement for the payment of rent without the purchase of a lease or the payment of a premium.

(d) Including property destroyed or abandoned.

1948

Summary

Larger establishments

TABLE 21

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Gross output (production)	57,688	1,631	4,514	63,832
Cost of materials and fuel used	38,264	1,081	2,442	41,786
Payment for work done on materials given out	417	3	33	453
Net output	19,008	547	2,038	21,593
Wages and salaries of persons employed	9,887	317	1,054	11,258
Average number of persons employed (a)	No. 30,192	No. 1,008	No. 3,774	No. 34,974
Net output per person employed (a)	£ 630	£ 543	£ 540	£ 617
Stocks at end of year	£'000	£'000	£'000	£'000
Finished products and work in progress	3,262	116	234	3,612
Materials and fuel	4,175	168	521	4,864
Number of establishments	No. 241	No. 13	No. 23	No. 277

(a) Excluding outworkers.

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

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Output of firms in this trade				
Total value of sales (see Table 23)	58,357	1,621	4,539	64,517
Adjustment for changes in stocks and work in progress	+ 436	+ 42	+ 19	+ 497
Less payment for transport by other firms	58,793	1,663	4,558	65,014
Gross output (production)	1,105	33	45	1,182
Materials and fuel used by firms in this trade				
Purchases (see Table 24)	39,009	1,135	2,608	42,752
Adjustment for changes in stocks	- 745	- 54	- 167	- 966
Materials and fuel used	38,264	1,081	2,442	41,786

Summary
Small firms

TABLE 22

	England and Wales (a)	Scotland	Great Britain
Number of returns	162	16	178
Average number of persons employed (b)			
Males	738	69	807
Females	207	1	208
Total	945	70	1,015

(a) Owing to the risk of disclosure of information relating to individual firms separate particulars for Wales cannot be published.

(b) Including working proprietors.

Sales in the trade
Larger establishments

TABLE 23

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
Principal products	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Iron and steel wire (except insulated wire)						
Strand of more than two ply, other than of mild steel (except fencing and barbed wire)	0.9	77	-	-	0.9	77
Single strand (except fencing wire)						
Mild steel	305.8	10,840	3.3	121	309.1	10,962
Other	171.5	10,232	9.5	691	146.5	9,384
Other kinds (including fencing and barbed wire)					34.5	1,540
Total iron and steel wire	478.2	21,150	12.7	812	491.0	21,962
Manufactures of iron and steel wire						
Wire cable and rope (except insulated telephone and telegraph cable)	73.4	7,134	14.6	1,404	87.9	8,539
Wire netting, wire fencing and wire mesh of all kinds						
Hexagonal mesh galvanised	22.7	1,750	-	-	22.7	1,750
Woven wire cloth, gauze, fabric, screening sieving lawn or meshing, square and rectangular mesh (other than mesh for pot-scourers)						
Mesh from 2 up to 30 per lineal inch	..	(a)	..	(a)	Th. sq. ft. 5,416 Th. tons 1.3 0.9	278 111
Mesh from 30 up to 100 per lineal inch	Th. sq. ft. 276 Th. tons 2.7	- 352	Th. sq. ft. 2,077 Th. tons 254	60 25	Th. sq. ft. 2,077 Th. tons 529 0.1 2.7	60 50 352
Reinforcement fabric	..	(a)	..	(a)	38.5 ..	1,666 174
Other (including woven wire cloth etc. mesh over 100 per lineal inch; pot scourers made wholly or partly of woven or knitted mesh; and chain link fencing)	..	(a)	..	(a)	36.2	1,459

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Principal products (contd.)						
Manufactures of iron and steel wire (contd.)						
Wire rods and bars purchased and fabricated for concrete reinforcement (b)	..	(a)	..	(a)	25.2 ..	775 78
Wire brushes	..	(a)	..	(a)	Th. doz. 167.1	191
Other manufactures of iron and steel wire (except wire mattresses and springs)	44.2 ..	2,839 701	2.0 ..	121 26	46.2 ..	2,960 727
Total manufactures of iron and steel wire		17,328		1,844		19,172
Brass (including all alloys of copper but excluding nickel alloys other than nickel silver)						
Wire in coils	..	(a)	..	(a)	19.6	3,730
Paper machine wires	..	(a)	..	(a)	Th. sq. ft. 363 2,782 Th. cwts 9.1	59 483
Woven wire cloth, gauze, fabric, screening sieving lawn or meshing, square and rectangular mesh, other than paper machine fourdrinier wires						
Mesh from 2 and up to 30 per lineal inch	..	(a)	..	(a)	5.1 ..	117 85
Mesh from 30 and up to 100 per lineal inch	..	(a)	..	(a)	5.1 ..	273 64
Other manufactures of brass etc. wire, including woven wire cloth, etc. of mesh over 100 per lineal inch	..	(a)	..	(a)	5.8 ..	133 71
Total brass etc. wire and manufactures thereof		3,803		1,214		5,017

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Principal products (contd.)						
Copper						
Wire in coils (including uninsulated electric wire)						
Circular section	..	(a)	..	(a)	44.9	7,437
Other including stranded wire and wire not in coils (c)	13.8	2,562	-	-	13.8	2,562
Manufactures of copper wire	..	(a)	..	(a)	9.1 ..	189 22
Total copper wire and manufactures thereof	..	(a)	..	(a)	..	10,210
Aluminium wire and manufactures thereof						
	..	(a)	..	(a)	2.5	527
Wire of nickel, nickel alloy and other non-ferrous metals (except precious metals)	41.4 ..	1,212 10	2.9	162	44.3 ..	1,374 10
Wire of unclassified metals and alloys	47.7	314	-	-	47.7	314
Work done for the trade or on commission (d)		(a)		(a)		393
Total principal products		54,681		4,297		58,978
Other output						
Manufactures of iron and steel						
Wire rods	18.9	399	..	..	18.9	399
Other semi-finished iron and steel	..	(a)	..	(a)	8.4	445
Springs	4.0	336	..	..	4.0	336
Fencing materials of cast or wrought iron	1.3 ..	54 106	..	..	1.3 ..	54 106
Other manufactures of iron and steel	3.9 ..	378 3	0.1 ..	4 2	4.0 ..	382 6

TABLE 23 (contd)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Other output (contd.)						
Manufactures of other metals						
Rods, sections, shapes, plates, ingots, and wire not in coils						
Of brass (including all alloys of copper, but excluding nickel alloys other than nickel silver)	5.0	804	-	-	5.0	804
Of copper and other non ferrous metals	..	1,447	-	-	..	1,447
Other manufactures	..	42	-	-	..	42
Scrap and by products sold						
Scrap metals						
Iron and steel	27.3	167	0.9	3	28.2	170
Brass	0.4	43	0.2	15	0.7	58
Copper	3.0	332	-	1	3.0	333
Zinc	..	(a)	..	(a)	4.4	145
Other metals	3.7	125	0.1	2	3.8	127
Concentrates, metallic residues, waste, etc.	..	(a)	..	(a)	0.4	23
					..	10
Other goods	..	553	..	32	..	585
Work done (d)		67		-		67
Total		59,978		4,539		64,517

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

(b) So far as recorded separately.

(c) May include some strip.

(d) Amount charged.

Purchased materials and fuel

Larger establishments

TABLE 24

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Materials						
Iron and steel						
Billets						
Of alloy steel					8.5	313
Other					47.1	735
Bars and rods (other than wire rods)	623.1	12,638	19.0	491	22.5	637
Wire rods					564.0	11,444
Wire	159.4	6,488	15.7	803	175.1	7,290
Copper						
Wire rods	41.6	5,755	-	-	41.6	5,755
Wire	1.1	186	0.2	28	1.3	214
Other kinds	..	(a)	..	(a)	32.4	4,280
Brass (including all alloys of copper but excluding nickel alloys other than nickel silver)						
Wire rods	7.3	1,014	-	-	7.3	1,014
Wire	2.0	400	1.7	332	3.6	733
Other kinds	7.4	857	-	-	7.4	857
Aluminium						
Wire rods	..	(a)	..	(a)	3.5	437
Wire	0.5	94	-	3	0.6	97
Nickel	0.8	162	0.1	7	0.8	169
Nickel alloy	1.2	314	0.2	87	1.4	401
Zinc or spelter	Th.cwts.	(a)	Th.cwts.	(a)	12.3	919
					..	359
					Th.cwts.	
Cores of jute, hemp, etc.	16.1	152	6.5	47	22.6	199
	..	67	..	39	..	106
Packing materials	..	485	..	58	..	543
All other materials	..	4,138	..	271	..	4,409

TABLE 24 (Contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Fuel and electricity						
Coal	137.6	377	16.1	41	153.7	417
Coke	24.8	98	2.7	10	27.5	108
	Th. B. T. U. (kW. hrs.)		Th. B. T. U. (kW. hrs.)		Th. B. T. U. (kW. hrs.)	
Electricity purchased (b)						
From public supply	233,768	760	11,886	46	245,654	806
From other sources						
Electricity obtained from other works under the same ownership	6,384	27	-	-	6,384	27
	Th. galls.		Th. galls.		Th. galls.	
Motor spirit (petrol) and deriv. fuel						
Used for road vehicles	372	36	17	2	389	37
Used for other power purposes	30	2	-	-	30	2
Other oil fuel (including creosote/pitch mixtures)	956	38	14	1	970	39
Gas purchased	Th. therms		Th. therms		Th. therms	
From public supply	10,412	322	643	16	11,054	338
From other sources						
Gas obtained from other works under the same ownership	656	7	-	-	656	7
	..	21			..	21
All other purchased fuel	..	10	-	-	..	10
Materials and fuel, unclassified	..	29	-	-	..	29
Total		40,144		2,808		42,752

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

(b) The total quantity of electricity consumed in England and Wales was 241,965,000 B.T. units including 1,813,000 generated in the same works. The total quantity of electricity consumed in Scotland was 13,405,000 B.T. units including 1,519,000 generated in the same works.

Employment and remuneration

Larger establishments

TABLE 25

	England and Wales			Scotland			Great Britain		
	Average number of operatives	Administrative, technical and clerical employees (a)	Total	Average number of operatives	Administrative, technical and clerical employees (a)	Total	Average number of operatives	Administrative, technical and clerical employees (a)	Total
Males									
Under 18	915	106	1,021	184	11	195	1,099	117	1,216
All ages	21,002	3,107	24,109	2,196	255	2,451	23,198	3,362	26,560
Females									
Under 18	471	362	833	152	33	185	623	395	1,018
All ages	5,208	1,855	7,063	1,108	215	1,323	6,316	2,070	8,386
Total									
Under 18	1,386	468	1,854	336	44	380	1,722	512	2,234
All ages	26,210	4,962 (b)	31,172 (b) (c)	3,304	470 (b)	3,774 (c)	29,514	5,432 (b)	34,946 (b) (c)
	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Total remuneration	7,989	2,216	10,205	843	211	1,054	8,832	2,427	11,258

(a) Number at September 25, 1948.

(b) There were, in addition, 28 working proprietors (26 males and 2 females) in England and Wales. No working proprietors were recorded for Scotland.

(c) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to a total of £279,000; £250,000 for England and Wales, and £29,000 for Scotland.

In addition to the employees in the above table the firms in this trade in England and Wales employed 7 male and 170 female outworkers, the amount paid to them being £12,000. No outworkers were recorded for Scotland.

Monthly Index of employment of operatives: Larger establishments

(average employment in 1948 = 100)

TABLE 26

Month	Monthly index (a)			Month	Monthly index (a)		
	England and Wales	Scotland	Great Britain		England and Wales	Scotland	Great Britain
1948				1948			
January	99.9	105.2	100.5	August	100.2	98.1	100.0
February	99.7	104.0	100.1	September	99.5	97.9	99.3
March	99.6	101.8	99.9	October	99.7	97.8	99.5
April	100.1	101.4	100.3	November	99.9	98.0	99.8
May	100.5	99.8	100.4	December	100.1	98.4	99.9
June	100.8	99.4	100.7	Percentage employment in this trade covered by the index	59.1	51.8	58.3
July	99.9	98.0	99.7				

(a) The index numbers are calculated from the number of operatives employed for one week in each month returned by larger establishments that made returns for the calendar year 1948.

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