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BOARD OF TRADE

Report on the Census of Production 1963

71 Wire and wire manufactures

LONDON: HER MAJESTY'S STATIONERY OFFICE FOUR SHILLINGS NET

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Report on the Census of Production 1963

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

LONDON: HER MAJESTY'S STATIONERY OFFICE 1968

These notes give the main information needed for interpreting the figures in the industry reports. (More detailed information about the Census is given in a separate booklet - 'Introductory Notes': Part 1 of the Report on the Census of Production for 1963.)

GENERAL INFORMATION

Changes in the 1963 census

There were few changes resulting from amendments to the Standard Industrial Classification and only minor changes in the scope of certain industry reports compared with 1958. Any such changes are explained in the introductions to the industry reports concerned or by footnotes to the tables.

Industrial Classification

Establishments were classified to industries on the basis of major activity in conformity with the second edition of the Standard Industrial Classification (Consolidated Edition 1963, incorporating Amendment 1). Each industry was basically defined in terms of its principal products, these being of a similar nature or commonly associated in production. Normally, an establishment was classified to an industry if its sales of the principal products of that industry accounted for a greater proportion of its total sales than did its sales of the principal products of any other industry. However, where the application of this rule would have resulted in a change of classification between 1958 and 1963, the establishment was reclassified only if the sales of principal products of the newly predominant industry was more than one third greater than the sales of principal products of the previously predominant industry. This modification of the general rule was introduced for 1958 to avoid discontinuities which would result from marginal changes in sales between successive censuses. The principle of classification by major

output was also normally followed in compiling the analysis by sub-divisions of an industry.

In certain industries, classification was dealt with in a different way. Details of any non-standard treatment are given in the introductions to the relevant industry reports.

TERMS USED IN THE CENSUS REPORT

Average number employed

Firms were required to state the number of persons on the payroll (i.e. whose National Insurance cards were held by them) on the average during the year of return, whether fulltime or part-time employees. Separate figures were required for (a) administrative, technical and clerical employees and (b) operatives (see below). Averages could be calculated from figures relating to the last week of each calendar month; figures shown in respect of the average number employed relate to the sum of these averages. Firms were also required to state the number of working proprietors (see below) where appropriate and these are included in total employment figures. Outworkers are excluded.

The figures include persons engaged in merchanting or factoring and canteen workers where particulars in respect of these activities could not be excluded from the return.

Working Proprietors

These include all persons regarded as 'self-employed' for National Insurance purposes, and members of their families who worked in the business without receiving a fixed wage or salary; but persons who worked less than half the normal number of working hours are excluded. For Great Britain, directors working in the business but not in receipt of a definite wage, salary or commission are included under this heading for 1963, but are excluded for 1958. For Northern Ireland, directors of limited companies, other than those paid by fee only, are included for both years. (Directors paid by fee only are not included in any of the employment figures for either year.)

Employees

- (i) Administrative, technical and clerical employees include managers, superintendents and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and tracers; editorial staff, staff reporters, canvassers, competition and advertising staff; travellers; and office (including works office) employees. For Great Britain, but not for Northern Ireland, they include also managing and other directors in receipt of a definite wage, salary or commission.
- (ii) Operatives include all other classes of employees, that is, broadly speaking, all manual wage earners. They include those employed in and about the factory or works; operatives employed in power houses, transport work, stores, warehouses, shops and canteens; inspectors, viewers and similar workers; maintenance workers; and cleaners. Operatives engaged in outside work of erection, fitting, etc. are also included, but outworkers (i.e. persons employed by the firm who worked in their own homes, etc. on materials supplied by the firm) are excluded. Information about the numbers of outworkers employed was collected only for the gloves industry.

Capital Expenditure

(i) New building work.

This represents the cost incurred during the year of new building and other new constructional work (including office buildings, canteens and the like used in connection with the business covered by the return but not dwelling houses for employees). The value is that charged to capital account during the year of return; it includes expenditure on new buildings or on the extension or reconstruction of old buildings, the value of work of a capital nature carried out by firms' own staff, and the cost of any newly constructed buildings purchased. The figures shown include any legal charges, stamp duties, agents' commissions, etc.

Wire and wire manufactures

This Report on the Wire and Wire Manufactures Industry relates to establishments engaged wholly or mainly in manufacturing ferrous and non-ferrous wire and wire products such as wire nails, wire netting, wire gauze, etc. Insulated electrical wire and wire mattresses are excluded.

This industry corresponds to minimum list heading 394 in the Standard Industrial Classification (Consolidated edition, 1963).

There were no larger establishments in this industry in Northern Ireland in 1954.

METHOD OF CLASSIFICATION

The classification of returns to this industry followed the standard procedure as outlined in the notes on page (ii). A different procedure was used in classifying returns to the sub-divisions of the industry shown in Table 2; returns made by wire drawers were classified to the sub-division 'Drawing of wire' if sales of wire accounted for the major part of their output and sales of wire products did not exceed five per cent; otherwise they were classified to the sub-division 'Drawing and working of wire'. Returns from establishments making wire products but not also drawing wire were classified to the sub-division 'Working of wire'.

In interpreting the data in the tables it is essential to bear in mind the notes and definitions which appear on pages (ii), (iii) and (iv).

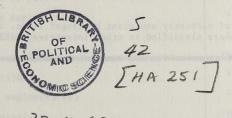


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TABLE 1 Industry summary: United Kingdom Estimates for all firms, 1958 and 1963 (a)

	w theraxxy (b)	Unit	1958	1963
Number of enterprises	Water and and sor keep of	No.	463	415
Number of establishments	¥170		543	538
Gross output	1958 1089 1968 1 1	6,000	168,746	199,566
Net output	w 18		42,665	59,371
Net output per head	32 07 67 235 44	£	1,087	1,401
Temps (76) BAUGUSTE GÓO	goods produced and work done	£,000	160,967	188,674(b
Sales and work done	merchanted goods and canteen takings	•	7,860	10,198
050,2,012 80r.2,550 3	materials for processing and packaging, and fuel		121,958	126,745
Purchases	goods for merchanting and canteen purchases		121,930	9,497
The state of the s	(for work done on materials given out		704	1,253
Payments to other organisations	for transport		2,795	3,253
Stocks and work in progress	(101 transport	e	2,100	3,-25
PIN ON	change during year		- 704	+ 1,247
Total stocks and work in progress	at end of year		20,537	27,623
	change during year		- 61	+ 476
Goods on hand for sale	at end of year	Connex 3	5,465	7,709
	(change during year		- 20	+ 218
Work in progress	at end of year		4,151	6,978
	change during year	10	- 623	+ 553
Materials, stores and fuel	at end of year		10,921	12,937
	(total, including working proprietors	Th.	39.3	42.4
Average number employed	operatives		30.6	32.1
	other employees (c)		8.6	9.8
2013,003 110,3000	of operatives	2'000	17,649	23,520
Wages and salaries	of other employees (c)	•	6,471	9,015
Employers' contributions to Na pension schemes, etc. (d)	tional Insurance and private			2,327
Capital expenditure (e)	1.7 d. egg. energy energy of the		602 19	ion bus nog
Total	" 4 the 1 the sol (a) application and the first			5,934
New building work	operations TV 1981 1	•	1,357	1,329
Land and existing buildings		•		- 167
Plant and machinery (f)	al'Insurance (b)	PER PR	2,411	4,380
Vehicles (f)	" for sension actemes, due, 443	Series.	312	391

⁽a) For 1963, estimates for small firms and for firms not making satisfactory returns accounted for about 8 per cent. of the total figures in which they were incorporated. (For 1958 the comparable figure was 9 per cent.) A summary of the detailed returns received is given in Table 2.

⁽b) Including services rendered to other organisations (amounts charged for hiring out plant, machinery and other goods, for providing transport, or for technical or other services rendered).

⁽c) Administrative, technical and clerical employees.

⁽d) Including pensions and gratuities paid other than from pension funds.

⁽e) Excluding expenditure for establishments not yet in production.

⁽f) Acquisitions less disposals.

Total

1963

1958

TABLE 2 Analysis of larger firms by sub-divisions within the industry, 1958 and 1963 Firms employing 25 or more persons: United Kingdom (a)

		Unit		isions of ustry (b)
		Onit	Drawing	of wire
are account the relative field	Heyer to move exaction explain the subscript		1958	1963
Number of enterprises (c)		No.	51	45
Number of establishments		н	66	72
Gross output		£,000	77,948	86,397
Net output			15,604	22,428
Net output per head		2	1,108	1,420
A STATE OF THE STA	goods produced and work done	£'000	77,029	84,066(d)
Sales and work done	merchanted goods and canteen takings	a n	1,304	2,196
Sales of characteristic produc	cts 300 noving the Iveres on such Ares to	н	68,825	72,925
Index of specialisation (f)	TO A TOUR LOAD OF THE	Per cent.	89	87
AND PARTIES.	materials for processing and		ornotti ili sy	Strecks and we
Purchases	packaging, and fuel	£,000	61,065	60,413
	goods for merchanting and canteen purchases	н	01,003	2,082
the company of Jahren	for work done on materials given out		354	560
Payments to other organisation	for transport		976	1,132
Stocks and work in progress		-)	78/12	
SAN D COLORESTON SOUTHERN	(change during year	н	- 310	+ 9
Goods on hand for sale	at end of year	у н.	1,207	1,833
	(change during year	49	- 75	+ 126
Work in progress	at end of year	н	2,469	4.435
	(change during year	, , ,	+ 53	+ 218
Materials, stores and fuel	at end of year		4,715	5,209
	/ total, including working proprietors	No.	14,071	15,795
Average number employed	operatives	н	11,583	12,421
	other employees (g)	20 5 2 4 55 0	2,488	3,366
	(of operatives	£'000	7,443	10,313
Wages and salaries	of other employees (g)	и	2,054	3,162
	(operatives	2	643	830
Wages and salaries per head	other employees (g)	н	825	939
Employers' contributions to Na		£,000	blind guirals	499
	ivate pension schemes, etc. (i)	н	cachinary (f)	445
Capital expenditure (j)			. ()	1 welnikar
New building work		H THE PERSON NAMED IN COLUMN	794	376
New Building work	/ acquisitions	are you	02 SM2 3 SM2 (EBS)	310
Land and existing buildings	to cantal a commany of the detailed return	q 8 ans	erugil older	80000
	disposals	o reine r	2001, 766, 9016	39
Plant and machinery	acquisitions	, aboon t	1,055	2,258
	disposals	assa har	65	35
Vehicles	acquisitions	tol eta	131	214
	disposals	Isangaib	42	64

86 18 29 138 94 155 127 123 32 47 225 242 44,175 50,855 31,538 46,508 153,660 183,759 16,978 8,757 15,263 38,851 54,668 14,490 1,330 1,189 1,461 1,012 1,087 1,401 45,094(d) 44,570(d) 39,520 30,027 146,576 173,729(d) 5,433 1,342 1,762 9,391 4,511 7,157 36,028 42,581 28,037 42,143 (e) (e) 91 93 95 92 94 93 27,690 28,603 116,706 28,228 21,762 111,055 1,584 8,745 5,079 251 427 35 166 641 1,154 917 763 652 1,100 2,545 2,995 78 + 296 + 177 + 133 55 438 2,119 4,976 7,098 2,222 3,146 1,548 + 32 8 43 18 201 66 793 1,012 518 978 3,780 6,425 + 509 + 83 - 332 + 209 - 568 289 3,347 3,725 1,882 2,978 9,945 11,912 12,769 7,365 10,450 35,741 39,014 14,305 10,478 9,724 5,849 7,685 27,910 29,830 3,010 1,516 2,761 7,821 9,137 3,817 5,536 16,114 21,882 5,240 6,034 3,431 1,194 2,490 5,908 8,387 2,661 2,735 587 720 734 500 620 577 697 909 788 902 755 918 292 1,155 394 .. 298 1,010 267 178 457 1,236 1,223 390 263 126 104 156 279 84 2,366 4,301 646 957 665 1,086 31 110 171 267 122 75 263 274 61 158 454 647 131 23 92 170 286 105

Sub-divisions of the industry (b)

Working of wire

1963

1958

Drawing and working of wire

1963

1958

TABLE 3 Analysis of larger firms by size of enterprise within the industry, 1963

(i) Output, employment, capital expenditure and stocks

Firms employing 25 or more persons: United Kingdom

Average number employed by the enterprise in the industry (a)	Enter- prises	Estab- lish- ments	Average number employed (a)	Gross output	Net output	Net output per head	Capital expendi- ture (b)	Total value of stocks and work in progress at end of year
	Number	Number	Number	£'000	£,000	£	£'000	\$,000
25-49	36	37	1,318	5,081	1,654	1,255	76	441
50-99	38	42	2,818	8,807	3,453	1,225	472	1,189
100-199	26	28	3,555	13,972	4,411	1,241	380	2, 136
200-399	16	28	4,461	21,867	6,317	1,416	413	2,816
400-499	4	9	1,732	10,517	2,357	1,361	152	1,403
500-749	5	18	3,323	15,009	4,870	1,466	393	2,425
750-999	4	17	3,774	18,577	4,900	1,298	899	2,231
1,000-1,499	5	24	5,893	24,307	9,847	1,671	983	4,070
2,000 and over	4	39	12,140	65,622	16,860	1,389	1,697	8,723
Total	138	242	39,014	183,759	54,668	1,401	5,464	25,435

(ii) Employees, wages and salaries, and employers' contributions Firms employing 25 or more persons: United Kingdom

Average number	Empl	oyees	Wages and salaries		Emplo contril	yers' outions	Wages and salaries per head		
employed by the enterprise in the industry (a)	Oper- atives	Others (c)	Oper- atives	Others (c)	National Insurance (d)	Private pension schemes, etc. (e)	Oper- atives	Others (C)	
THE STATE OF STATE OF	Number	Number	£,000	£'000	£'000	£'000	£	3	
25-49	1,088	211	615	207	38	8	565	979	
50-99	2,308	497	1,351	449	82	50	585	904	
100-199	2,946	599	1,790	595	100	49	607	994	
200-399	3,402	1,055	2,608	909	134	78	767	862	
400-499	1,439	293	1,075	324	47	51	747	1,105	
500-749	2,315	1,008	1,729	1,009	97	105	747	1,001	
750-999	2,860	914	2,077	778	102	59	726	851	
1,000-1,499	4,349	1,544	3,224	1,537	161	169	741	995	
2,000 and over	9,123	3,016	7,414	2,580	394	441	813	856	
Total	29,830	9,137	21,882	8,387	1,155	1,010	734	918	

- (a) Including working proprietors.
- (b) Acquisitions less disposals.
- (c) Administrative, technical and clerical employees.
- (d) Including both flat rate and graduated contributions.
- (e) Including pensions and gratuities paid other than from pension funds. These amounted in total to £176,000.

TABLE 4 Percentage analysis of employees, by age and sex, all firms, 1963: United Kingdom (a)

Ages	Males	Females	All employees
Secretary and	Per cent. 4 72	Per cent.	Per cent.
Under 18	4	3	7
18 and over	72	21	93
All ages	76	24	100

Source: Ministry of Labour

(a) The percentages relate to the numbers employed (excluding working proprietors) at mid-June, 1963.

Footnotes to Table 2.

(a) The following information relates to small firms (employing fewer than 25 persons) in this industry. It includes an estimate for small firms not making satisfactory returns, which account for 4 per cent. of the employment shown for 1963 and 5 per cent. for 1958.

	1958	1963
Number of firms	307	287
Average number employed:		
Working proprietors Other persons employed	3,141	{ 438 { 2,520

- (b) The method of classifying returns to sub-divisions of the industry is explained in the introduction to this report.
- (c) The sum of the figures for the sub-divisions exceeds the total for the industry to the extent that enterprises made returns for more than one sub-division.
- (d) Including services rendered to other organisations (amounts charged for hiring out plant, machinery and other goods, for providing transport, or for technical or other services rendered).
- (e) Characteristic products relate only to sub-divisions of the
- (f) For sub-divisions of the industry, this is the ratio of sales of characteristic products to total sales of goods produced and work done. For the industry as a whole, this is the ratio of total sales of principal products by the industry to total sales of goods produced and work done.
- (g) Administrative, technical and clerical employees.
- (h) Including both flat rate and graduated contributions.
- (i) Including pensions and gratuities paid other than from pension funds.
- (j) Excluding expenditure for establishments not yet in

Continued on next page

TABLE 5 Sales of principal products of the industry by larger firms, including sales by establishments classified to other industries, 1958 and 1963

Firms employing 25 or more persons: United Kingdom

	19	958	CONTRACTOR STATES	1963		
American Country bridge Statute American	Quantity	Value	Quantity	Value	Enter- prises	Entries
Lavering Co.	Th.tons	£,000	Th.tons	£,000	Number	Number
Iron and steel wire (except insulated wire)		Name I day		5 00	1	1000
Single wire			1			3.47
Mild steel (under 0.41 per cent. carbon content)	503	32,522	496	34,275	38	49
Hard steel (0.41 per cent, carbon content and over)	238	23,167	306	31,164	27	39
Other		(a)		1,170		
Barbed wire (of single or 2 ply)	19.3	1,475	13.7	1,075	8	8
Stranded wire (of 2 or more ply)	13.6	1,300	14.3	1,656	11	12
Total iron and steel wire (except insulated wire)	774	58,464 {	830	68,169 1,170	}	8,029 8,720
Manufactures of iron and steel wire	E E STATE S	State No.				
Wire cable and rope (except insulated telephone and telegraph cable)	98.2	16,607	107	19,665	22	37
Wire netting, wire fencing and wire mesh of all kinds	Transmitted					
Hexagonal mesh, galvanised	21.8	2,483	20.5	2,407	6	6
Chain link fencing	14.3	1,248 {	19.1	1,942 347	} 14	14
Reinforcement fabric	78.4	5,746	119	8,260	15	17
Woven wire cloth, gauze, fabric, screening, sieving, lawn or meshing, square and rectangular mesh (other than mesh for paper machine (fourdrinier) wires and pot scourers)	Th.sq.ft. 404 9,421	67	Th.sq.ft.	200 200 200 200 200 200 200 200 200 200	2000 000	
Mesh from 2 and up to 30 per	Th.tons	601	Th.tons	910	12	14
lineal inch	2.1	85	2.2	603		
to of the state of the test of the restoret	Th.sq.ft.	393 (1)	Th.sq.ft.	, and 1		
Mesh over 30 per lineal inch	1,188 Th.tons	209	969 Th.tons	279	8	11
son war and clearest manager of a control of the second of	0.1	357	0.1	133		
Pot scourers made wholly or partly of woven or knitted mesh	anad sarpe	77	28.2	3,732	14	18
Other	21.3	2,355				
Nails, tacks and staples (including insulated staples) made from wire	85.6	5,562	80.2	6,094	22	24
Fire, machinery, window and other guards made of wire	2.0	495 1,309	2.8	751 1,061	} 48	52
Canteen, restaurant and domestic cooking equipment made of wire (e.g. potato baskets, cooker shelves and grids) and sieves, riddles and screens made of wire	0.6	139 747	2.2	511 577	} 27	29

TABLE 5 (Continued)					1963				
6301	198	58		1963					
astrant -18703 solar (salata) on	Quantity	Value	Quantity	Value	Enter- prises	Entries			
reduced rechasts 500's security 000	Th.tons	£,000	Th.tons	£,000	Number	Number			
Manufactures of iron and steel wire (continued)			and the second second	S. SES		i regiol			
Wire rods and bars purchased and fabricated for concrete reinforcement	66.9	3,789(b)	163	8,705	12	15			
Wire of iron and steel, purchased, plated, cut, etc. and not further manufactured	6.3	642	36.2	6,503	} 70	77			
Other manufactures of iron and steel wire	6.4	865 3,791	J	3,141) 10	in the second second			
Total manufactures of iron and steel wire		47,174		65,622					
Brass and other copper alloys including nickel silver and cupro-nickel, but excluding all other nickel alloys	or wall record		MENTER THE		ing side of the second	35880			
Wire in coils									
Circular section, thinner than No. 20 gauge (S.W.G.)	202		Bota Bota		Period c emindre				
Of brass	1.3	453	3.8	1,300	15	16			
Of other alloys of copper	2.8	1,122	1.9	1,330	14	17			
Circular section, No. 20 (S.W.G.) and thicker						53.68			
Of brass	9.1	2,245	13.3	3,871	10	13			
Of other alloys of copper	4.1	1,730	2.8	1,469	13	14			
Other descriptions (including	1.2	571	h l						
stranded wire)	Th.sq.ft.	5/1		o (SABLUS.)	p satus:				
Paper machine wires	1,591 4,424	487	}	3,432	7	9			
raper machine wires	Th.cwt.	1,356				20.00			
11 71 707 1.01	13.4	1) DATE AOY		2,000,000	S Liminal			
Woven wire cloth, gauze, fabric, screening, sieving, lawn or meshing, square and rectangular mesh, other than			ACRIBAN ASS		eya.				
paper machine (fourdrinier) wires	Th.sq.ft 385	120	Th.sq.ft.	21		19 214			
Mesh from 2 and up to 30 per lineal inch	1,810 Th.cwt.	231	Th.cwt.	204	8	12			
202 203 203	Th.sq.ft.	215	Th.sq.ft.	29		0000			
Mesh over 30 per lineal inch	1,382 Th.cwt.	388	1,870 Th.cwt.	483	9	12			
2.9 2.9 27	3.3	,	4.3	346	18	22			
Other manufactures of brass, etc., wire		232	••	340	18	1 194 10			
Total brass, etc., wire and manufactures thereof		9,150	A COSTA PORTUGADA	12,485		New Property of the Parket of			

TABLE 5 (continued)

	19	958		1963		
to Quantity value order Entries	Quantity	Value	Quantity	Value	Enter- prises	Entries
Copper	Th.tons	\$,000	Th.tons	£,000	Number	Number
Wire in coils (including uninsulated	The same	1 100h	The transport	2.1000	I Branch St.	orit saku
electric wire) Circular section	40 a 1 a a		einforcement	ars percha	that about	T STIN
Thinner than No. 20 gauge (S.W.G.)	19.4	5,286	14.2	4,471	15	18
No. 20 gauge (S.W.G.) and thicker	1		48.5	10,710	17	20
Unclassified	105	23,830	bine g	314 YO 897	dos tonas	Ocheri
Other than circular section	2.9	889	1	31,104		
Stranded wire	9.6	2,707	15.3	4,812	14	21
Woven wire cloth	0.1	54 63	h	3,082	TO THE REAL PROPERTY.	
	Th.cwt.	03	\$ 0.2	126	} 9	11
Other manufactures of copper wire	1.6	77 93		23	1 1 1 1 1 1	e texots elbulous
The state of the s					\$4500 3	5.0540
Total copper wire and manufactures thereof		32,999	or made to	20,140	2.7.23	1927
Aluminium	Th.tons					
Wire	In Cons		1299	to to eyel	a ranko	
Pure	1.9	655	3.5	1,129	9	9
Alloy	1.8	924	2.8	1,563	8	8
Aluminium wire or cable, steel cored, uninsulated	20.7	6,370	20.9	4,967	8	8
Manufactures of aluminium wire	0.1	40 18	}	60	13	16
Nickel and nickel alloys (other than nickel silver and cupro-nickel)	Th.cwt.	S. ET . I II	Th.cwt.			
Wire	65.5	3,754	72.5	4,542	12	13
Manufactures of nickel alloy wire	5.6	395	10.1	708	15	17
Molybdenum wire, in all forms except ferro-alloys		182	anisani m		003 8738	
Wire of metals not specified above (excluding precious metals)		343	}	1,935	14	15
Other products	1 11.878	1,379	70	703	42	58
Scrap metal	Th.tons	En [307]	Th.tons		Nomia North	
Iron and steel	33.9	275 32	} 55.5	532	68	115
Brass	0.7	59 21	} 0.4	88	19	24
Copper	3.1	601	3.7	805	22	24
Zinc	3.1	109	2.9	120	22	27
Other scrap metals {	9.0	411	2.3	204 74	} 45	51

TABLE 5 (continued)

	19	58				
	Quantity	Value	Quantity	Value	Enter- prises	Entries
accompany Principal		£,000	Alf to Finite	₹,000	Number	Number
Work done on commission, sub-contract work, etc.	South Res	425	1 1 100	1,443	30	43
Total	ti 00012	163,786		186,462		
Sales in other industries (see Table 6)	111	27,901	A STATE	27,421	ini igan	
Principal products of this industry sold by establishments in the industry	1 200.	135,885	2.94	159,042	138	200(c)

- (a) Not recorded separately.
- (b) So far as recorded separately.
- (c) This figure represents the total number of returns made by larger firms in this industry, which is less than the total number of establishments in Table 2 on account of combined returns covering more than one establishment.

Firms employing 25 or more persons: United Kingdom

	19	58			1963		
reduced sedment 00072	Quantity	Value	Quantity	Value	Entries	Princ indus in wh produce	tries hich
200, 881	Th.tons	€,000	Th.tons	£,000	Number	262	
Iron and steel single and barbed wire (except insulated wire)			88.6	5,837 659	9	37, 38,	45, 118
Manufactures of iron and steel wire			20 100		1015		
Wire cable and rope (except insulated telephone and telegraph cable)	93.5	6,066	1.2	214	5	62, 74	
Wire netting, wire fencing and wire mesh of all kinds			{ 13.0	960 114	} 7	37, 74,	126
Fire, machinery, window and other guards made of wire	0.3	84 44	0.6	226 55	} 20	42, 49,	74
Nails, tacks and staples (including insulated staples)		1	20 M SE		spo mais	nada sar	
made from wire			36.1	2,618	13	37, 70,	74
Wire rods and bars purchased and fabricated for concrete reinforcements	} { 38.3	2,736	3.8	269		74	
Other manufactures of iron and steel wire			{ 1.9	241 670	} 15	37, 61,	74, 119
Total iron and steel wire (except insulated wire) and manufactures thereof		9,175		11,862			
Brass and other copper alloys including nickel silver and cupro-nickel, but excluding all other nickel alloys		0.1			4,88		
Wire in coils							
Circular section, thinner than No.20 gauge (S.W.G.)	0.7	199	1.8	569	5	40	
Circular section, No.20 gauge (S.W.G.) and thicker							
Of brass	2.3	459	3.0	751	8	40	
Of other alloys of copper	1.1	461	0.8	471		40	
Other descriptions (including stranded wire))		-	The COUR			
Woven wire cloth, gauze, fabric, screening, sieving, lawn or meshing, square and rectangular mesh, other than	}	186 <	275 22 80		,		
paper machine (fourdrinier) wires and other manufactures of brass etc., wire			501.	129	5	50, 70,	72, 74
Total brass etc., wire and manufactures thereof		1,304	53.15 33.15 4	1,921			

TABLE 6 (continued)

	19	58	1963			Made and property of the con-		
	Quantity	Value	Quantity	Value	Entries	Principal industries in which produced (a)		
900'a snor at 900'a s	Th. tons	£'000	Th.tons	€,000	Number			
Copper					bhs 863	to herotomicsess		
Wire in coils (including uninsulated electric wire)	al electrical		Let above ex		volts-a	n to abor mate		
Circular section		CARACA TANAL			DENGLISH	solges it leave		
Thinner than No.20 gauge (S.W.G.)	9.1	2,492	6.4	2,060	6	40, 56		
No.20 gauge (S.W.G.) and thicker	30.6	7,538	11.6	3,325	8	40, 56		
Unclassified		ville feat	ia gai <u>b</u> ulo	d spoin	toggoo	Stars and east		
Other than circular section	1	2 4 5 4 5 4 5 4 5 4 5	100					
Stranded wire		2,783		2,807	8	40, 56		
Other manufactures of copper wire			(a) model		ucio es	essinsa pastrosi		
		19390 (dug.)	chad grive	t replace	1200 100	ig to add with not		
Total copper wire and manufactures thereof	31 <u>80 mm + 4 m / m</u>	12,813		8,192		#200 A&1 0552017		
Aluminium wire and manufactures thereof and aluminium wire or			STATE OF THE PARTY			Target		
cable, steel cored, uninsulated	2.2	1,928	11.6	2,837	7	40, 56		
Molybdenum wire, in all forms except ferro-alloys; nickel and nickel alloy wire (other than	ning to the control of the control o	schinery c i co sebes equdared	a Jasiq a sammal ad lassitas		est begin to to in the kanadic	to an owner half todays roll an declaration		
nickel silver and cupro-nickel); other wire of non-ferrous metals in coils and wire of metals not specified above (excluding								
precious metals)		2,680	38.6	2,608	8	40, 58, 107, 124		
Total		27,901		27,421				

⁽a) The references given are to the list of industries at the back of this report.

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TABLE 7 Sales of other than principal products by larger firms in the industry, 1958 and 1963

Firms employing 25 or more persons: United Kingdom

	19	1958		1963	
	Quantity	Value	Quantity	Value	
castrols 000°a arear, at 1000°a bas	Th.tons	£'000	Th.tons	\$,000	
Manufactures of iron and steel				1690	
Wire rods of non-alloy steel	15.1	720	bull size	o ai saik	
Steel rods and bars (excluding wire rods of non-alloy steel), angles, shapes, etc.	8.8	953	13.3	1,177	
Other manufactures of iron and steel Manufactures of other metals		1,371	on nadi vs T.)	1,328	
High conductivity strip	4.6	1,415	8.9	3,055	
Brass and other copper alloys, including nickel silver and cupro-nickel, but excluding all other nickel alloys	10.1	2,190	18.4	4,623 248	
Other manufactures of non-ferrous metals	4.9	1,872) (240	
Other products and work done		2,170	exist 1	2,780	
Services rendered to other organisations (a)		anddos go	es reinada	1,476	
Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored)		6,998	TAKENON TEN	9,201	
Canteen takings		160	on the stage of	190	
Total		17,848(b)	in the ori	24,078	

⁽a) Amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered to other organisations.

TABLE 8 Production of certain principal products of the industry by larger firms, including production by establishments classified to other industries, 1958 and 1963

This table is not applicable to this industry.

TABLE 9 Purchases of selected principal products of the industry by larger firms, 1963

This table is not applicable to this industry.

TABLE 10 Purchases by larger firms in the industry, 1954 and 1963

Firms employing 25 or more persons: United Kingdom

	19	54	1963	
	Quantity	Cost	Quantity	Cost
Proceedings on the second	Th.tons	£,000	Th.tons	£,000
The separate column			Enlainers	
aterials for processing	ing emund be	a tonao tua	ideq sauta	
Steel	and the second			
Ingots, blooms, billets, slabs, and sheet and tinplate bars	55.8	2,049(a)	27.0	1,419
Bars and rods (excluding wire rods), angles, shapes and sections, girders, beams, joists and pillars rolled (not fabricated), including tube rounds and	d bas avos	e abnoy of	elp naizzed	
squares	760	26, 102(b)	162	7,081
Wire rods	J		943	43,042
Iron and steel not elsewhere specified except finished parts, wire and scrap	12.2	453	40.9	1,742
Light metals and non-ferrous metals in all forms except finished parts, wire and scrap	Industry for	rapulte		
Copper (excluding blister) (c)	A DEGREE SER SER	and dearest	AND DESTRUCTION	
Wire rods	10/5108050	a gribulan	52.8	13,292
Other kinds	63.3	16,853	10.0	2,408
Brass and other copper alloys (including nickel silver and cupro-nickel, but excluding all other nickel alloys)				
Wire rods	1	(5.2	1,264
Other kinds	10.2	2,040 }	7.6	1,686
Nickel	A Sept Sept 14	sisales to	1.0	726
Nickel alloys (excluding nickel silver and cupro-nickel)	1.2	614 <	0.6	416
Aluminium and aluminium alloys	ĺ	(d)	17.6	3,841
Zinc and alloys of zinc	23.6	1,863	22.7	1,847
Wire	POLICE STATE OF THE STATE OF TH		CONTRACTOR AND ASSESSMENT	
Steel (single wire)	212	12,702	204	17,459
Copper	1.7	542	1.5	453
Brass and other copper alloys (including nickel	strein! le s	manufacib to	Asir mar	
silver and cupro-nickel, but excluding all other nickel alloys)	5.2	1,546	1.9	956
Aluminium and aluminium alloys	0.3	81	o lia' at	45
Cores of jute and hemp for wire and cables	11 10 20100	401(e)	AGI ni noi	804
tories of jute and nemp for wife and cables	A TRANSP TO E	401(0)	Th.gal.	101 251
		(204	48
Lubricating oils and greases (including cutting oils and emulsions)		{	Th.cwt.	131
Replacement parts for firms' own machinery, plant and vehicles, and accessories and consumable tools bought	a and cust	1 200	••	2,294
as replacement	Personal Construction	1,399	des Ryses (company)	arite si describio
All other materials for processing		6,859	••	9,105

Continued on next page

⁽b) Excluding amounts charged for services rendered to other organisations.

	19	1954		1963		
	Quantity	Cost	Quantity	Cost		
7800 1777009 1600 14370000	Marga Ari-Alah da	£,000		£'000		
Packaging materials		erene i en		30303		
Boxes, cartons, packing cases and drums and canisters		gn	esecong to	alsiteis		
(with or without metal ends) of paper, cardboard and fibreboard	10.3	(f)		382		
Containers wholly or mainly of wood, including plywood boxes and drums, baskets and wickerwork crates	ann bas j.e	189	e bates	547		
Jute and hessian piece goods, sacks and bags (g)	rbds), and	283	one) som b	143		
All other packaging materials	nding tube	416	pirdal ton)	427		
Fuel and electricity (h)	Th. tons	, als }	Th.tons	1000 100 may 100		
Coal	105	367	62.3	322		
Coke (including screenings) and manufactured fuel	21.0	114	13.2	116		
	Th.gal.	es aborthle	Th.gal.	Light met		
Derv fuel and motor spirit for use in road vehicles	879	172 {	970 	193 22		
Other liquid fuels (including creosote/pitch mixtures, etc., and liquefied petroleum gases)	2,588	116	9,515	390		
manual total fra	Th.therms	2,000	Th.therms	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
Gas	14,939	686 99	17,924	1,205 170		
	Th.kWh	7.58.5(0)	Th.kWh	Mexale		
Electricity	341,960	1,471	494,338	2,610		
Total cost of materials and fuel	FREE LEWIS	77,419		116,706		
Goods purchases for merchanting	a rection (a	sora serbal	orial avalla	8,479		
Canteen purchases			(iskai	266		
Total cost of purchases		inter moral	to avoils b	125,451		

- (a) Excluding sheet and timplate bars in 1954.
- (b) 'Pillars rolled (not fabricated), including tube rounds and squares' were not included in 1954.
- (c) 'Blister' was not specifically excluded in 1954.
- (d) Owing to the risk of disclosure of information relating to individual firms separate particulars cannot be given and, are included with 'All other materials for processing'.
- (e) So far as recorded separately.
- (f) Included in 'All other packaging materials'.
- (g) Description in 1954 included 'cores of jute, hemp etc.'
- (h) The total quantity of electricity generated in firms' own establishments in this industry was 2,913 Th.kWh in 1954 and 10,391 Th.kWh in 1963.

TABLE 11 Transport costs and employment of larger firms, 1963

Firms employing 25 or more persons: United Kingdom

	Unit	1963
Average number employed mainly on transport	No.	549
Transport costs	party and	
Wages and salaries	£,000	456
Derv fuel and motor spirit	100 to 10	215
Payments to other organisations for transport		2,995
Costs of operating road goods vehicles		
Insurance		35
Vehicle licences		39
Depreciation		163
Payments to other organisations for repairs and maintenance	H TOTAL	113
Total	1 3 1 H 7 5	4,015

TABLE 12 Payments for certain services, etc. by larger firms, 1963 (a)

Firms employing 25 or more persons: United Kingdom

ther fired of engine the following to the Artist and a second of the fired and the fir	Amounts payable
Repairs and maintenance to	£'000
Buildings	218
Road goods vehicles	113
Plant, machinery, and other capital equipment	589
Insurance, licensing and depreciation of road goods vehicles (b)	236
Rates, excluding water rates	799
Hire of plant and machinery	40
Postage, telephone, telegrams and cables	422
Total	2,417

⁽a) No deduction is made for these payments to arrive at the figures of net output given in this report.

⁽b) For details see Table 11.

TABLE 13 Percentage analysis of twelve-month periods covered by returns from larger firms, 1963 Firms employing 25 or more persons:

Year ended	Percentage of total number employed	Year ended	Percentage of total number employed
1963	Per cent.	1963 (contd.)	Per cent.
April (a)	2.8	November	0.4
May	0.8	December	45.0
June	2.0	goods vehicles	paint full town
July	4.4	1964	threscond
August	3.3	January	0.2
September	22.3	February	0.0
October .	1.5	March	17.3
		Total	100

(a) Including returns made for twelve-month periods ended 1st to 5th April, 1964.

TABLE 14 Sales of all parts of machinery and plant by larger firms, including sales by establishments classified to other industries, 1958 and 1963

This table is not applicable to this industry.

Capital Expenditure (continued)

Notes - continued from page ii

(ii) Land and existing buildings.

The items shown are the capital cost of freeholds purchased and the capital cost or premium payable for leaseholds acquired (excluding the value of any assets acquired in taking over an existing business), and the amounts receivable for any freeholds or leaseholds disposed of. The value is that charged to capital account during the year of return.

(iii) Plant, machinery and vehicles.

The items shown are the value of plant and machinery and of vehicles acquired, both new and second-hand, and the amount received for items disposed of during the year. The value of plant and machinery acquired includes plant, etc. which firms produced for their own use in connection with the business covered by the return. The value of plant, etc. acquired is the expenditure charged to capital account during the year of return less any discounts received, but including the cost of transport and installation. No deduction is made for depreciation, amortisation or obsolescence. The proceeds of items disposed of during the year exclude amounts written off for items scrapped.

Capital expenditure during the year in respect of manufacturing establishments where production had not started before the end of the year is excluded in this report for both 1958 and 1963.

Characteristic Products

The characteristic products of a sub-division are those in terms of which the sub-division is defined. They are products commonly associated in production and are usually similar in nature or manner of production. In most cases the characteristic products of each subdivision are indicated in Table 5 of the industry reports. For those industries for which an analysis by sub-divisions has been made, Table 2 shows the total sales of such characteristic products for each sub-division. The totals include, besides the products which define the sub-division, other items of output assumed to be closely related to them, e.g. waste products and work done.

Enterprise

The term enterprise is used in this report to mean one or more firms under common ownership or control. An enterprise normally consists either of a single firm, or of a parent company together with its subsidiary companies.

Entries

The number of entries shown in Tables 5, 6 and 8 against a particular output or production heading is the number of returns on which figures were recorded for that item.

Establishment

The census was based on the establishment. comprising in most cases the whole of the premises under the same ownership or management at a particular address (e.g. a factory or mine); but firms were asked to exclude from all sections of their returns particulars relating to any department not engaged in production for which they kept a separate set of accounts. Where separate accounts were not kept, they were asked to include merchanting or factoring, canteens operated by them and other

ancillary activities such as bottling, packing and the manufacture of containers for packing their own products, whether or not these activities are carried on at the same address as the works. Building and engineering maintenance departments and selling and transport departments were treated similarly.

The gross output of an industry is the aggregate value of goods made and other work done during the year by the establishments classified to the industry. It is derived by subtracting from the value of sales and work done, the value of stocks of goods on hand for sale and work in progress at the beginning of the year and adding the value at the end of the

Larger Firms

These are firms in which twenty-five or more persons were employed on the average during the

Net Output

The net output of an industry represents the value added to materials by the process of production. It includes the gross margin on any merchanted or factored goods sold; it constitutes the fund from which wages, salaries, insurance, pensions, hire of plant and machinery, payments for repairs and maintenance, costs of operating road vehicles, rents, rates and taxes, advertising and other selling expenses and all other similar charges have to be met, as well as depreciation and profits. There is no appreciable duplication in net output. Net output has been obtained by deducting from the gross output the cost of purchases adjusted for stock changes, payments for work given out to other firms, and payments for transport.

Normally any customs or excise duty on materials purchased is included in the cost of materials. Similarly, finished goods sold have been valued as they were sold, duty paid or duty free. The amounts of duty, subsidies, allowances and levies receivable or payable, where of substantial importance in the industry, were required to be stated separately, and these items were taken into account when calculating net output.

Net output per person employed

The figures for net output per person employed are derived by dividing the net output by the average number of persons employed (full-time and part-time) on all activities covered by the returns, including operatives, administrative, technical and clerical employees and working proprietors, but excluding outworkers.

Principal Products

The principal products of an industry are those in terms of which the industry is defined. They are products commonly associated in production, and are usually similar in nature or manner of production.

Production

This means the total quantity of a product made during the year, whether sold in the year, added to stock, transferred to another department of the same firm, or used in the manufacture of other products within the business covered by the return. It includes goods produced from materials supplied by other firms.

Purchases

Purchases include the cost of materials and components bought for use in production; of fuel and electricity for all purposes; of packaging materials, including the full cost of returnable cases and containers when first purchased; of workshop materials, office materials and materials for repairs to firms' own buildings, plant and vehicles when carried out by their own workpeople included in the return; of consumable tools; and of parts for machinery purchased during the year as replacements. Water charges are also included. In general purchases of goods for merchanting or factoring and canteen supplies are included. Materials supplied by customers for processing are excluded.

The values shown include any duty paid (less rebate, etc.) but exclude trade discounts allowed. The cost of transport is included only if included in the cost of materials as invoiced; amounts paid to transport organisations, including firms' own separate transport organisations, for delivery of materials and fuel are, therefore, excluded. Materials purchased overseas are included at their c.i.f. cost plus any duty payable if the cost of transport from the docks was not included in the invoiced price, but at their full delivered cost if invoiced 'carriage paid home'. Materials and fuel transferred from another department of the firm not covered by the same return are included at the estimated selling value recorded by the other department.

Sales are in respect of goods made by the business covered by the return, goods made for it by outworkers or by other firms from materials given out to them (sometimes described as goods made on commission) and waste products. Any machinery or other capital items produced for use in the business covered by the return are included, the value being that adopted in the firm's capital asset account. Goods sold without being subjected to any manufacturing process (merchanted or factored) and canteen takings are included as in 1958.

The value shown for sales is the net selling value, defined as the amount charged to customers whether on an ex-works or delivered basis, net of any trade discounts, agents' commissions, allowances for returnable cases, purchase tax, etc.; the net amount charged for packing materials is included. Goods charged on a delivered basis to customers overseas are included at the f.o.b. value. For work done on commission or for the trade the value shown is the net amount charged.

Where goods produced in one department were transferred to another department of the same firm not covered by the return, these transfers were treated as sales by the producing department and valued as far as possible as if they had been sold to an independent purchaser. Goods transferred to wholesale or retail selling organisations for which separate accounts were kept were valued on the same basis. Estimations of a similar kind were also sometimes necessary in valuing transfers between different firms belonging to the same enterprise. To the extent that the sales of finished products of one establishment may constitute the materials purchased by another, total figures of the value of sales (and of materials and fuel purchased) include an element of duplication.

Services rendered

This represents the amounts charged for hiring out plant, machinery and other goods, providing transport, or for any technical or other

services rendered to other organisations. It includes amounts credited for similar services rendered to other departments of the same firm not covered by the return.

These are firms in which fewer than twenty-five persons were employed on the average during the

Stocks and Work in Progress

Values are given of stocks of goods on hand for sale, and of materials and fuel, at the beginning and end of the year of return, including any stocks of goods held for merchanting or factoring. The values include duty in the case of dutiable goods held out of bond. The value of work in progress at the two dates is also usually shown. This excludes any progress payments made to sub-contractors, and no deduction is made on account of progress payments received.

Transport Payments

These represent the total amount paid or credited during the year for both outwards transport of finished goods sold and inwards transport of materials and fuel purchased. They include payments to other firms, and to any separate transport organisation of the same firm, not covered by the return, but exclude the value of transport services provided by the business covered by the return. The items included are payments for hired cartage and for inwards and outwards carriage by all forms of inland transport, i.e. railways, road haulage, canals, coast-wise shipping, air, etc. Payments made for sea freight on goods sold to customers overseas and on materials and fuel purchased from overseas suppliers are excluded.

Wages and Salaries

These are the amounts paid during the year to operatives and to administrative, technical and clerical employees. Payments to working proprietors, whether called salaries or not, are excluded; in Northern Ireland this exclusion extends also to payments to directors of limited companies. The values shown include all overtime payments, bonuses and commissions, whether paid regularly or not, and no deduction is made for income tax, insurances, contributory pensions, etc. The value of any payments in kind, travelling expenses, lodging allowances, etc. and employers' contributions to National Insurance and pension schemes is excluded.

Work given out

The figures shown represent the total amount paid for work done by other firms on materials supplied to them, and also by firms' own establishments for which separate returns were made. They do not include payments to individual outworkers or payments for business and other services.

Symbols used

The following symbols are used throughout the

- Not available
- Nil or negligible (less than half the final digit shown)
- Figures cannot be shown owing to the risk of disclosing information about individual enterprises.

Rounding of Figures

The figures in the tables have, where necessary, been rounded to the nearest final digit. There may, therefore, be apparent slight discrepancies between the sums of the constituent items and

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