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BOARD OF TRADE

THE REPORT ON THE CENSUS OF PRODUCTION FOR 1958

Part 4I
NON-FERROUS METALS

*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)*

LONDON: HER MAJESTY'S STATIONERY OFFICE

1961

THREE SHILLINGS NET

NOTES

These notes give only the main information which is needed for interpreting the census figures. Fuller explanations are given in a separate booklet of Introductory Notes (Part 1 of the Report on the Census of Production for 1958).

CHANGES IN THE 1958 CENSUS

Some changes were introduced in the 1958 census, which affect the comparability between 1954 and 1958 figures.

Returns in full detail were required only from firms employing 25 or more persons, instead of, as previously, from firms employing 11 or more persons.

The coverage of firms' returns for 1958 was in many cases rather wider than for 1954. In both years 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 offices, warehouses, laboratories, etc. at addresses separate from the works were treated as part of the establishment. For 1958, but not for 1954, firms were asked to include also, in all sections of their returns, particulars relating to 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 were carried on at the same address as the works, unless

they were conducted by a separate company, or by a separate department with a separate set of accounts; building and engineering maintenance departments were treated similarly. Selling and transport departments were treated in this way both for 1954 and 1958. While the effect of including these further ancillary activities was generally to produce higher figures for employment etc., the reporting of separate figures for merchant goods led to the exclusion of some firms who proved to be merchants with only minor productive activities.

Changes made for 1958 in the instructions governing the making of returns for two or more establishments operated by the same firm permitted combined returns to be made more freely than in previous censuses. Combined returns were accepted covering establishments in the same census industry, and situated in the same country (i.e. England, Scotland or Wales).

The 1954 figures have been re-tabulated to correspond as closely as possible to those for 1958, but because of the changes described above the correspondence is not always exact.

TERMS USED IN THE CENSUS REPORTS

CAPITAL EXPENDITURE

The expenditure on new building work shown excludes the cost of land and existing buildings purchased; for plant, machinery and vehicles both new and second-hand items are included. The value is that charged to capital account during the year, including any transport and installation cost involved. Capital expenditure in respect of establishments in Great Britain where production had not started before the end of the year is included in Table 1.

CHARACTERISTIC PRODUCTS (See the description of the method of classification before List of Tables)

EMPLOYMENT

(i) 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 fixed wages or salaries; but persons working less than half the normal hours are excluded.

(ii) Employees

Employees are classified under the two main headings of (a) administrative, technical and clerical employees and (b) operatives. The figures relate to persons on the pay-roll (i.e. whose National Insurance cards were held by employers), whether full-time or part-time employees. The figures for 1958 include, but those for 1954 exclude, persons engaged in merchanting or factoring, and canteen workers.

Administrative, technical and clerical employees include managers, superintendents, and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and tracers; travellers; and office (including works office) employees.

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 and, for 1958, canteens; inspectors, viewiers 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 on materials

supplied by the firm in their own homes, etc.) are excluded.

(iii) Total employment

This is the sum of the average number of employees and the number of working proprietors; outworkers are excluded.

ENTERPRISE

The term enterprise is used in this report to mean one or more firms under common ownership or control as defined in the Companies Act, 1948. An enterprise normally consists either of a single firm, or of a holding company together with its subsidiary companies.

ENTRIES

The number of entries shown in Tables 4, 5 and 7 is the number of returns on which figures against a particular output or production heading were recorded. The number of entries is less than the corresponding number of establishments to the extent that combined returns were made covering more than one of the establishments concerned.

ESTABLISHMENT

In most cases an establishment comprises the whole of the premises under the same ownership or management at a particular address (e.g. a factory or mine). Offices, warehouses, laboratories and other ancillary places of business at a separate address from the works were treated as part of the establishment.

INTERMEDIATE PRODUCTS

For some industries figures are given showing the total quantities made during the year of important intermediate products, i.e. products which may be further processed in the establishments in which they are produced, whether or not they are also sometimes sold. They include also goods produced from materials supplied by other firms.

MATERIALS AND FUEL

The totals shown include the cost of all purchases of materials and components for use in production, and of fuel (including oil, gas and electricity) for all purposes including heating, lighting and transport (where carried out by firms' own staff included in the return); all packing

materials, including the full cost of returnable cases and containers when first purchased; workshop materials; office materials; water charges; materials for repairs to firms' own buildings, plant and vehicles when carried out by their own work-people included in the return; consumable tools; and parts for machinery purchased during the year as replacements. Purchases of goods for merchandising or factoring, and canteen supplies, are included for 1958 but not for 1954. Materials supplied by customers for processing are excluded for both years.

The values shown include any duty paid (less rebate, etc.) but exclude trade discounts allowed. The cost of transport was 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 were entered at their c.i.f. cost plus any duty if the cost of transport from the docks was not included in the invoiced price, and at their full delivered cost if invoiced 'carriage paid home'.

NET OUTPUT

The net output of an industry represents the value added to materials by the process of production and includes for 1958 the gross margin on any merchanted or factored goods sold; it constitutes the fund from which wages, salaries, 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 was normally obtained by taking the total value of sales and work done (including, for 1958, the value of merchanted goods sold and canteen takings); adding the value of stocks at the end of the year and deducting their value at the beginning of the year; and deducting also the cost of materials and fuel purchased (including, for 1958, the value of goods purchased for merchandising and canteen supplies), payments for work given out to other firms, and payments for transport. The net amount of duty paid was deducted, and the net amount of subsidy received added.

NET OUTPUT PER PERSON EMPLOYED

The figures for net output per person employed are derived by dividing net output by total employment (see above).

PRINCIPAL PRODUCTS (See the description of the method of classification before List of Tables)

SALES

Sales include goods made by the business covered by the return, those 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 sold. Any machinery or other capital items produced for use in the business covered by the return are also included, the value being that adopted in the firm's capital account for income tax purposes. Goods sold without being subjected to any manufacturing process (merchandised or factored) and canteen takings are included for 1958 but not for 1954; where the total sales of merchanted or factored goods were less than £5,000, firms were permitted to include them with the figures for sales of goods of their own production.

The value shown for sales is the net selling

SYMBOLS USED

The following symbols are used throughout the reports:

- .. for not available
- for nil or negligible (less than half the final digit shown)

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. With a few exceptions, receipts for business and other services are not included.

To the extent that the finished products of one establishment constitute the materials purchased by another, total figures of the value of sales (and of materials and fuel purchased) include an element of duplication.

STOCKS AND WORK IN PROGRESS

The values shown are the income tax values of stocks of products on hand for sale, and of materials and fuel, at the beginning and end of the year of return. For 1958, but not for 1954, they include any stocks of goods held for merchandising or factoring. 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, that is 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. 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. is excluded.

Figures are also shown for average salaries etc. paid per head for the week ended 25th October, 1958. For staff paid monthly, the figures are based on payments made in October, 1958. Where payments related to periods other than a week or month, an appropriate proportion was returned. Only those bonuses and commissions actually paid in the period are included.

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.

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 the totals shown.

The Report on the Census of Production for 1958

Part 41. NON-FERROUS METALS

This report on the Non-ferrous Metals Industry relates to establishments engaged in refining copper, smelting and refining lead, zinc, aluminium, magnesium, titanium and other non-ferrous metals and the production in these metals and their alloys of ingots, bars, billets, sheets, strip, foil, circles, sections, rods, pipes, tubes, castings, extrusions, drop forgings, etc., but not of wire drawing or the production of finished goods. The manufacture of ferro-alloys, other than spiegeleisen and ferro-manganese is included. The industry corresponds to minimum list headings 321 and 322 of the second (1958) edition of the Standard Industrial Classification, which has been used for the first time in the 1958 Census.

This industry corresponds to Industry 3G (Non-ferrous Metals (Smelting, Rolling, etc.)) in the reports on the last detailed Census of Production, for 1954. Particulars relating to ferro-alloys and brass castings, which were formerly reported on in Industries 3B (Iron and Steel (Melting and Rolling)) and 5F (Brass Manufactures) respectively, are now included in this industry.

For 1958, returns in full detail were required only from firms employing twenty-five or more persons and most of the tables in this report relate only to these larger firms. This is an important change from previous censuses when returns in full detail were required from firms employing eleven or more persons on productive work. Estimates for the industry as a whole are given in Table 1.

The figures given for 1954 correspond as closely as possible to those collected for 1958 but the correspondence is not exact, especially in respect of the small firms who gave only limited information. Some other changes introduced in the 1958 Census also affect the comparability between 1954 and 1958 figures; these are explained in the notes prefacing this report.

There were no larger establishments in this industry in Northern Ireland in 1958.

This industry is defined in terms of its 'principal products' which are those shown in Table 4. A census return was classified to this industry if the principal products of this industry (including, as well as sales, work done in casting ingots, billets, etc. and rolling copper, brass and other copper alloys) accounted for a greater proportion of its output than the principal products of any other industry. Where, however, the application of this rule would have resulted in a change of classification between 1954 (on the revised basis) and 1958, the return was classified to the same industry as for 1954 unless the output of principal products in the new industry was one third more than in the old; this modification of the general rule was designed to avoid discontinuities as the result of marginal changes of output between the two censuses. Sales of merchantable products and of non-specific items such as waste products and canteen takings were not taken into account in classifying returns.

The procedures followed in classifying to the sub-divisions of the industry shown in Table 2 are described below, the sub-divisions being defined in terms of their 'characteristic products'. The numbers shown in the left hand column of Table 4 identify the sub-division of which the item is a characteristic product. Census returns were classified to the sub-division headed 'Magnesium, titanium and their alloys' by a procedure similar to that described above for classifying to the industry. This procedure was also used for classifying to the broader group headed 'Aluminium and aluminium alloys'; but returns were classified to the sub-division headed 'Smelters and refiners' only if their sales of aluminium and aluminium alloy products other than ingots, notch bars and sticks was less than 10 per cent. of the latter items.

For other non-ferrous metals, returns were deemed appropriate to a smelting and refining sub-division if their combined sales of manufactures and semi-manufactures of copper, lead, tin, zinc, etc. were less than 10 per cent. of the combined sales of these metals in unwrought or partly wrought form. All other returns were deemed appropriate to fabricators and founders sub-divisions. The returns were then classified to the various smelters and refiners, or fabricators and founders, sub-divisions for particular metals by the normal rules described above, viz., according to the value of their sales of the metals or manufactures of the metals concerned.

The total value of sales of characteristic products shown in Table 2 includes, besides the products which define the sub-divisions, other items of output assumed to be closely related to them, e.g. waste products, but such items were not generally taken into account in determining the classification to sub-divisions.

LIST OF TABLES

Table No.	Title	Page
1	Industry summary: United Kingdom. Estimates for all firms	41/3
2	Analysis by sub-divisions of the industry	41/4
3	Analysis by size of enterprise within the industry, 1958	41/8
4	Sales of principal products of the industry by larger firms, including sales by establishments classified to other industries	41/9
5	Sales of principal products of the industry by establishments classified to other industries	41/16
6	Sales of other than principal products by larger firms in the industry	41/18
7	Total make of intermediate products, 1958	41/19
8	Employment and salaries, etc. for the week ended October 25, 1958	41/20

Industry summary: United Kingdom

TABLE 1
Estimates for all firms (a)

	Unit	1954	1958
Number of enterprises	No.	..	915
Number of establishments	"	..	1,075
Sales	{ goods produced and work done	£'000	508,522
	{ merchantable goods and canteen takings	"	..
Purchases of materials and fuel (b)	"	398,475	417,303
Products on hand for sale (b)	{ change during year	"	+ 4,211
	{ at end of year	"	20,113
Work in progress	{ change during year	"	+ 4,713
	{ at end of year	"	25,227
Stocks of materials and fuel (b)	{ change during year	"	+ 3,160
	{ at end of year	"	38,722
Payments for work done on materials given out	"	1,466	2,715
Payments for transport	"	4,356	5,580
Net output	"	116,309	139,517
Average number employed (c)	{ operatives	Th.	98.9
	{ other employees	"	25.5
	{ total, including working proprietors	"	124.6
Wages and salaries	{ of operatives	£'000	48,714
	{ of other employees	"	15,515
Capital expenditure (d)			
New building work	"	2,667	2,940
Plant and machinery	{ acquisitions	"	8,340
	{ disposals	"	385
Vehicles	{ acquisitions	"	691
	{ disposals	"	193

(a) For 1958, estimates in respect of returns from small firms and unsatisfactory returns accounted for about 5 per cent. of the total figures in which they were incorporated. A summary of the detailed returns received is given in Table 2.

(b) Goods for merchanting and canteen supplies are included for 1958 but excluded for 1954.

(c) Persons engaged in merchanting or factoring and canteen workers are included for 1958 but excluded for 1954.

(d) Including expenditure in Great Britain for establishments not yet in production.

Analysis by sub-divisions
Firms employing 25 or more

TABLE 2

	Unit	Sub-divisions of the industry (b)			
		Aluminium and aluminium alloys			
		Smelters and refiners		Fabricators	
		01	02	01	02
		1954	1958	1954	1958
Number of enterprises (d)	No.	10	9	23	27
Number of establishments	"	14	13	36	44
Sales	£'000	11,271	13,358	81,663	97,946
	{ goods produced and work done	..	123	..	1,335
	{ merchant goods and canteen takings	..	..	..	..
Sales of characteristic products	"	11,181	12,756	69,461	84,752
Purchases of materials and fuel (e)	"	9,253	11,199	56,647	65,711
Products on hand for sale (e)	{ change during year	+ 95	+ 39	+ 432	+ 413
	{ at end of year	..	436	389	3,642
Work in progress	{ change during year	- 7	+ 125	+ 614	+ 261
	{ at end of year	..	27	408	4,231
Stocks of materials and fuel (e)	{ change during year	+ 34	+ 205	- 513	- 432
	{ at end of year	..	1,018	1,706	5,941
Payments for work done on materials given out	"	-	-	181	170
Payments for transport	"	115	215	926	1,244
Net output	"	2,025	2,445	24,441	31,896
Average number employed (f)	No.	1,467	1,501	23,964	25,122
	{ operatives	..	575	582	5,872
	{ other employees	..	2,042	2,083	29,836
	{ total, including working proprietors	..	2,042	2,083	29,836
Net output per person employed	£	992	1,174	819	989
Wages and salaries	£'000	788	993	12,270	15,425
	{ of operatives	..	385	453	3,452
	{ of other employees	..	670	779	588
Wages and salaries per head	£	537	661	512	614
	{ operatives	..	670	779	588
	{ other employees	..	..	..	..
Capital expenditure (g)	£'000	20	17	543	572
New building work	"	98	85	2,220	3,747
Plant and machinery	{ acquisitions	..	1	3	199
	{ disposals	..	14	20	91
Vehicles	{ acquisitions	..	5	7	19
	{ disposals	..	..	..	..

of the industry
persons: United Kingdom (a)

	Sub-divisions of the industry (b)										
	Aluminium and aluminium alloys		Magnesium, titanium and their alloys		Copper, brass and other copper alloys						
	Founders		Smelters and refiners, fabricators and founders		Smelters and refiners		Fabricators		Founders		
	03	04	11	21	22	03	04	11	21	22	
		1954	1958	1954(c)	1958	1954	1958	1954	1958	1954	1958
		76	74	..	3	24	23	94	82	75	54
		91	91	..	3	28	27	121	115	86	64
		24,681	28,233	..	8,265	48,988	35,544	165,866	161,870	18,545	19,634
		..	884	..	379	..	3,891	..	5,006	..	1,237
		17,874	22,187	..	5,570	47,748	34,138	133,877	130,785	11,595	12,661
		14,355	15,786	..	5,019	45,382	35,545	136,998	128,608	10,392	10,678
		+ 33	+ 41	..	- 13	+ 165	+ 227	+ 1,809	+ 1,244	- 13	+ 27
		362	274	..	306	1,170	1,292	7,180	8,013	330	406
		+ 35	+ 4	..	+ 285	+ 347	+ 160	+ 2,716	+ 443	+ 15	- 197
		393	769	..	672	675	339	11,449	10,967	1,037	1,350
		+ 107	- 317	..	- 588	- 73	+ 207	+ 2,877	+ 2,089	+ 107	- 272
		1,658	1,569	..	909	2,070	2,020	11,713	12,663	1,580	1,843
		262	385	..	27	84	156	448	1,038	141	409
		169	183	..	64	373	538	1,262	1,393	131	181
		10,071	12,491	..	3,218	3,588	3,790	34,561	39,614	7,991	9,161
		11,174	10,875	..	2,493	2,634	1,840	27,649	26,594	7,329	6,788
		2,245	2,245	..	784	577	515	7,213	8,801	1,825	2,089
		13,423	13,122	..	3,277	3,212	2,355	34,874	35,401	9,158	8,880
		750	952	..	982	1,117	1,609	991	1,119	873	1,032
		5,686	6,835	..	1,592	1,421	1,245	13,447	15,325	3,486	4,219
		1,427	1,669	..	531	433	493	4,105	6,108	1,127	1,610
		509	628	..	638	539	677	486	576	476	622
		636	743	..	677	750	957	569	694	617	771
		99	246	..	1	87	58	459	728	314	151
		407	638	..	162	220	127	2,697	2,662	353	484
		12	44	..	1	1	6	103	159	12	11
		70	111	..	8	55	82	237	284	49	70
		23	40	..	2	15	18	61	76	15	24

TABLE 2 (contd.)

	Unit	Sub-divisions of the industry (b)				
		Lead, tin, zinc and their alloys				
		Smelters and refiners		Lead fabricators		
		12	1958	23	1958	
Number of enterprises (d)	No.	14	12	19	17	
Number of establishments	"	19	17	27	24	
Sales	E'000	goods produced and work done	44,485	51,154	14,322	12,275
		merchanted goods and canteen takings	..	1,236	..	1,987
Sales of characteristic products	"	41,403	46,359	6,899	5,131	
Purchases of materials and fuel (e)	"	39,984	45,355	12,070	10,347	
Products on hand for sale (e)	"	change during year	+ 1,091	- 113	+ 200	- 48
		at end of year	2,003	2,480	605	621
Work in progress	"	change during year	+ 593	- 408	+ 158	- 44
		at end of year	1,931	2,417	453	316
Stocks of materials and fuel (e)	"	change during year	+ 109	- 416	+ 516	+ 77
		at end of year	2,950	3,013	1,209	1,041
Payments for work done on materials given out	"	41	5	9	5	
Payments for transport	"	372	583	164	162	
Net output	"	5,883	5,509	2,953	3,734	
Average number employed (f)	No.	operatives	3,371	3,210	1,700	1,307
		other employees	1,226	1,305	641	557
		total, including working proprietors	4,600	4,517	2,345	1,868
Net output per person employed	£	1,279	1,220	1,281	1,999	
Wages and salaries	E'000	of operatives	1,766	2,046	709	740
		of other employees	801	1,132	437	478
Wages and salaries per head	£	operatives	524	637	425	566
		other employees	653	867	693	858
Capital expenditure (g)						
New building work	E'000	45	53	28	84	
Plant and machinery	"	acquisitions	397	335	66	102
		disposals	14	2	1	10
Vehicles	"	acquisitions	29	81	31	57
		disposals	10	20	11	16

(a) The following information relates to small firms (employing fewer than 25 persons) in this industry:

	1958
Number of returns	569
Average number of persons employed including working proprietors	
Males	5,128
Females	938

(93770)

	Sub-divisions of the industry (b)								Total	
	Lead, tin, zinc and their alloys				Other smelters and refiners		Other fabricators, (including tin fabricators) and founders			
	Zinc fabricators		Zinc die casters		13		24 and 27		1954	1958
	25	1958	26	1958	1954	1958	1954	1958		
..	4	25	26	15	16	16	19	363	334	
..	5	33	34	24	21	20	23	504	481	
..	8,406	5,681	8,625	38,579	31,027	17,133	21,882	483,078	498,219	
..	116	..	219	..	16,540	..	931	..	33,893	
..	2,700	4,259	6,937	25,607	23,025	8,329	8,598			
..	6,651	2,428	3,540	30,543	40,869	11,352	17,115	378,538	396,423	
..	+ 38	+ 6	+ 62	+ 80	+ 1,651	+ 43	+ 131	+ 4,001	+ 3,700	
..	239	85	243	2,208	5,018	771	1,077	19,107	24,181	
..	- 6	+ 16	+ 8	+ 214	- 127	- 282	+ 668	+ 4,477	+ 1,172	
..	148	219	239	1,806	836	1,583	3,627	23,965	29,905	
..	- 56	+ 29	+ 36	- 241	- 245	- 145	+ 70	+ 3,002	- 143	
..	811	223	340	4,796	4,466	2,129	1,533	36,784	39,363	
..	13	112	228	19	51	84	91	1,392	2,579	
..	239	35	46	291	295	103	158	4,138	5,301	
..	1,597	3,158	5,135	7,779	7,631	5,210	6,318	110,489	132,537	
..	1,087	4,566	5,140	3,981	3,632	3,911	3,624	94,149	93,213	
..	263	635	770	1,762	1,902	1,012	1,416	24,261	28,358	
..	1,350	5,201	5,910	5,743	5,534	4,923	5,040	118,438	121,588	
..	1,183	609	870	1,354	1,378	1,058	1,254	933	1,090	
..	717	1,552	2,640	2,054	2,325	1,853	2,113	46,346	56,216	
..	211	367	550	1,178	1,596	651	1,147	14,761	21,216	
..	659	341	514	516	640	474	583	492	603	
..	803	581	715	669	839	643	810	609	748	
..	77	25	34	139	347	104	416	1,872	2,785	
..	139	132	386	322	710	89	443	7,078	10,021	
..	1	3	9	9	15	11	2	366	345	
..	2	13	35	22	41	26	46	648	961	
..	1	5	4	9	17	10	22	184	282	

(b) The method of classifying returns to sub-divisions of the industry is explained at the beginning of this report; the characteristic products of each sub-division are identified in Table 4.

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

(d) 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.

(e) Goods for merchandising and canteen supplies are included for 1958 but excluded for 1954.

(f) Persons engaged in merchandising or factoring and canteen workers are included for 1958 but excluded for 1954.

(g) Excluding expenditure at establishments not yet in production.

(93770)

Analysis by size of enterprise within the industry, 1958

TABLE 3 Firms employing 25 or more persons: United Kingdom

Average number employed by the enterprise in this industry (a)	Enterprises	Establishments	Total sales (b)	Net output	Employees		Wages and salaries		Capital expenditure (c)	Net output per person employed (a)
					Operatives	Others	Operatives	Others		
	Number	Number	£'000	£'000	Number	Number	£'000	£'000	£'000	£
25 - 49	102	107	13,988	4,406	3,007	720	1,750	601	359	1,180
50 - 99	96	111	40,881	7,791	5,395	1,233	3,130	1,085	581	1,175
100 - 199	61	75	43,242	10,450	6,904	1,575	4,067	1,362	938	1,232
200 - 299	18	31	23,044	5,059	3,527	1,054	2,149	761	634	1,104
300 - 399	15	24	15,479	6,077	4,147	1,185	2,342	896	471	1,140
400 - 499	5	7	27,179	2,644	1,906	395	1,178	307	235	1,149
500 - 749	12	17	26,059	7,675	5,873	1,253	3,400	994	613	1,077
750 - 999	3	5	9,413	2,959	2,182	439	1,464	291	164	1,129
1,000 - 1,499	4	9	21,224	5,322	3,254	1,193	2,142	785	776	1,197
1,500 - 1,999	5	14	27,849	10,536	6,599	2,577	4,333	1,854	1,026	1,148
2,000 - 3,999	4	25	80,516	12,651	8,062	2,089	5,140	1,560	959	1,246
4,000 - 4,999	4	22	84,724	20,743	13,046	4,796	8,412	3,817	2,485	1,163
5,000 and over	5	34	118,514	36,224	29,311	9,849	16,710	6,902	4,524	925
Total	334	481	532,112	132,537	93,213	28,358	56,216	21,216	13,767	1,090

(a) Including working proprietors.

(b) Value of sales of goods (including merchanted goods), work done, and canteen takings.

(c) Capital expenditure on new building work and on acquisition of plant, machinery and vehicles. Excluding expenditure for establishments not yet in production.

Sales of principal products of the industry by larger firms, including sales by establishments classified to other industries

TABLE 4 Firms employing 25 or more persons: United Kingdom

Industry sub-division (a)	1954		1958		Enterprises	Entries
	Quantity	Value	Quantity	Value		
Aluminium and aluminium alloys	Th. tons	£'000	Th. tons	£'000	Number	Number
01 Virgin aluminium ingots and notch bars	14.1	2,247	8.9	1,769	..	..
01 Virgin based aluminium alloy ingots, notch bars and sticks	95.0	15,497	12.8	2,525	11	13
01 Secondary based aluminium and aluminium alloy ingots, notch bars and sticks			78.0	13,332	25	27
02 Blocks, slabs, billets and wire bars	35.2	5,884	20.3	3,805	6	10
Plates, sheet and strip (flat or in coil) exceeding 0.006 inch in thickness						
Pure						
02 All forms other than corrugated	69.9	16,646	78.8	23,693	13	17
02 Corrugated			5.6	1,396	..	..
Alloy						
02 All forms other than corrugated	40.6	12,396	30.0	11,659	9	13
02 Corrugated	8.9	1,944	3.2	951	5	5
Blanks, circles, discs and slugs exceeding 0.006 inch in thickness						
02 Pure	16.6	4,393	15.8	5,042	6	9
02 Alloy	1.2	327	1.0	342	6	9
02 Foil (rolled material not exceeding 0.006 inch in thickness)	15.1	7,155	20.5	11,194	12	14
Bars (other than notch bars and wire bars), rods, angles, shapes and sections						
02 Pure	11.8	2,719	10.9	2,936	7	9
02 Alloy	29.0	9,267	29.4	11,463	10	13
Tubes						
Extruded						
02 Pure	0.4	199	1.3	571	6	7
02 Alloy	2.3	697	..	682	8	9
Drawn						
02 Pure	0.9	418	0.8	496	10	10
02 Alloy	4.5	2,178	5.6	3,130	10	11
02 Collapsible tubes of aluminium	Th. cwt. 4.9 ..	369 1,111	Th. gross cwt. 11.7 ..	949 1,696	7	8

TABLE 4 (contd.)

Industry sub-division (a)	1954		1958			
	Quantity	Value	Quantity	Value	Enter-prises	Entries
	Th. tons	£'000	Th. tons	£'000	Number	Number
Aluminium and aluminium alloys (contd.)						
Castings						
03	Sand	58.2	9.7	6,037	62	64
03	Gravity Die		32.6	12,321	66	68
03	Pressure Die		12.8	6,466	45	46
03	Unclassified		3.3	1,589	104	106
		..	756			
02	Forgings and stampings	5.3	4,999	3.6	4,628	7
02	Powder, flake and granulated	4.2	848	1.4	384	6
02	Paste	-	-	2.6	659	..
02	Other and unclassified manufactures of aluminium and aluminium alloys	0.7	389	1.1	551	35
		..	467	..	1,656	
Total aluminium and aluminium alloys and manufactures thereof			113,381		132,678	..
Magnesium and magnesium alloys						
04	Ingots, notch bars, sticks, slabs and billets	Th. cwt. 165	2,274	Th. cwt. 146	2,015	5
04	Castings	75.5	3,608	39.6	2,906	9
04	Other manufactures of magnesium and magnesium alloys	11.9	580	37.4	1,757	6
Total magnesium and magnesium alloys and manufactures thereof			6,462		6,678	..
Titanium and titanium alloys						
04	Plates, sheet and strip	Th. lb. -	-	Th. lb. ..	1,580	..
04	Other manufactures	-	-	604	3,339	7
Total titanium and titanium alloys			-		4,919	..
27	Bismuth (metal) excluding alloys of bismuth (b)	1,070	845	1,384	1,116	..
Brass and other copper alloys including nickel silver and cupro-nickel, but excluding all other nickel alloys						
Ingots, blocks, slabs, billets, bars (including wire bars) other refinery shapes and cast strip						
11	Brass including manganese bronze	Th. tons 52.4	10,533	Th. tons 42.4	6,784	34
11	Other	50.6	12,295	66.0	12,553	27

TABLE 4 (contd.)

Industry sub-division (a)	1954		1958			
	Quantity	Value	Quantity	Value	Enter-prises	Entries
	Th. tons	£'000	Th. tons	£'000	Number	Number
Brass and other copper alloys including nickel silver and cupro-nickel, but excluding all other nickel alloys (contd.)						
21	Plates, sheets, foil, strip, discs and circles	68.0	18,506	66.4	16,802	37
21	Round brass rods	94.2	21,310	86.7	16,865	13
21	Shapes and angles	18.6	5,030	22.5	5,665	12
21	Other rods and sections and wire not in coils	12.6	3,456	12.0	3,102	15
Castings of brass and other copper alloys, not elsewhere specified						
22	Port holes, scuttles and similar metal fittings for ships, and railway and tramway fittings	0.8	302	15.0	7,142	52
		..	885			
22	Propellers and propeller blades for ships	..	2,575	..	1,048	..
22	Machined castings sold as such	..	..	2.4	1,166	34
22	Rough castings sold as such	28.6	12,398	17.2	8,059	179
22	Unclassified castings of brass and other copper alloys	..	..	0.5	231	5
				..	105	
21	Sheet metal stampings and pressings of brass	8.8	3,864	19.0	8,181	140
		..	1,380			
21	Hot brass pressings	15.5	5,465	..	2,147	..
Tubes						
21	Solid drawn of circular section	18.7	7,890	15.7	6,438	21
21	Other	..	178	0.4	164	9
21	Other manufactures of brass and other copper alloys except wire in coils	5.9	1,665	0.8	332	26
		..	257	..	2,486	
Total brass and other copper alloys and manufactures thereof			107,987		99,270	..
13	Cadmium	Th. lb. 431	256	Th. lb. ..	199	5
Copper						
Unwrought: ingots, blocks, slabs, ingot bars, wire bars, billets, cakes, cathodes and anodes, including rough copper of 94 per cent. copper content or over						
11	Fire refined	Th. tons 129	31,913	Th. tons 122	24,270	10
11	Electrolytic	44.8	11,220	..	1,973	6
11	Other and unclassified			7.4	1,495	7
				..	1,340	

TABLE 4 (contd.)

Industry sub-division (a)	1954		1958				
	Quantity	Value	Quantity	Value	Enter-prises	Entries	
	Th. tons	£'000	Th. tons	£'000	Number	Number	
Copper (contd.)							
21	High conductivity strip	15.8	4,931	31.6	9,293	18	21
21	Strip not exceeding 6 inch in width (high conductivity and other) unclassified	13.9	4,669	-	-	-	-
Plates, sheets or strip (other than of high conductivity)							
21	3/8 inch thick and over	5.8	1,911	4.3	1,135	8	10
21	Other sheets, strip, foil, discs and circles	34.9	11,063	32.7	9,574	26	30
Rods and sections, shapes and angles, and wire not in coils							
Wire rods							
21	High conductivity	90.4	24,415	166	35,746	8	10
21	Other	0.4	125	0.7	188	..	..
21	Shapes and angles	3.0	995	4.6	1,712	7	7
Other rods and sections and wire not in coils							
21	Rolled	1.6	501	13.4	3,213	..	..
21	Extruded	3.8	1,244	2.4	827	10	12
21	Unclassified uninsulated wire rods, strip and wire not in coils	44.8	12,424	45.5	10,057	8	8
21	Other copper castings	0.6	241	1.4	512	17	17
21	Tube shells	3.0	848	4.4	1,103	8	8
Tubes							
21	Solid drawn of circular section	46.8	16,582	44.1	14,562	26	31
21	Other	..	228	..	228	8	9
21	Other manufactures of copper except wire in coils and engineers' and mechanics' goods	{ 4.8	{ 1,642	{ 0.4	{ 513	{ 16	{ 17
		{ ..	{ 355	{ ..	{ 882		
Total copper and manufactures thereof			125,080		118,677	..	..
Lead and lead alloys and laminated lead							
12	Refined lead unwrought in pigs, ingots, blocks, bars, slabs and cakes	91.1	9,023	108	8,326	23	29
12	Antimonial and tin/lead alloys unwrought	Th. cwt. 742	4,026	Th. cwt. 934	4,861	16	20
23	Sheet	Th. tons 32.5	4,055	Th. tons 32.2	3,222	13	16
23	Pipes	19.6	2,638	13.4	1,443	13	16

(93770)

TABLE 4 (contd.)

Industry sub-division (a)	1954		1958				
	Quantity	Value	Quantity	Value	Enter-prises	Entries	
	Th. tons	£'000	Th. tons	£'000	Number	Number	
Lead and lead alloys and laminated lead (contd.)							
23	Foil	1.3	213	0.9	132	..	..
23	Collapsible tubes	Th. cwt. 10.5	205	Th. cwt. 16.5	351	8	9
23	Lead shot	..	449	..	339	..	..
23	Other manufactures of lead	28.7	206	..	151	..	..
		{ 53.5	{ 564	{ 20.5	{ 244	{ 25	{ 27
		{ ..	{ 73	{ ..	{ 1,144		
Total lead, lead alloys and laminated lead and manufactures thereof			21,452		20,213	..	..
13	Manganese metal	26.4	306	10.6	140	..	..
Nickel and nickel alloys (other than nickel silver and cupro-nickel)							
13	Ingots, billets, cathodes, bars, rods, plates, sheets and strip	Th. tons 33.3	19,410	Th. tons 30.4	22,837	6	8
27	Castings (b)	..	499	0.6	561	..	..
27	Other manufactures of nickel and nickel alloys except wire	5.0	3,659	5.5	4,937	20	21
		..	879	..	1,969	..	..
Total nickel and nickel alloys and manufactures thereof			24,447		30,304	..	..
Tin and tin alloys							
12	Tin in blocks, ingots, bars and slabs	28.8	20,890	35.4	26,440	10	11
12	Solder, soft	20.6	7,331	17.5	6,496	18	19
24	Foil	0.3	272	0.2	223	..	..
24	Collapsible tubes	Th. cwt. 0.7	51	Th. cwt. 0.9	70	6	7
24	Other manufactures of tin and tin alloys	..	508	..	414	..	..
		3.0	198	..	263	13	15
Total tin and tin alloys and manufactures thereof			29,250		33,906	..	..
Zinc and zinc alloys							
12	Zinc or spelter unwrought, in ingots, blocks, bars, slabs and cakes	Th. tons 86.1	6,918	Th. tons 74.3	5,056	14	17
25	Sheets, strip, plates, foil, discs and circles	16.2	2,152	..	2,992	6	6
25	Zinc dust and powder	Th. cwt. 991	5,111	Th. cwt. 272	1,214	5	7
12	Zinc alloy ingots (for die casting and forming)	..	..	956	4,341	5	5

(93770)

TABLE 4 (contd.)

Industry sub-division (a)	1954		1958			
	Quantity	Value	Quantity	Value	Enter-prises	Entries
	Th. cwt.	£'000	Th. cwt.	£'000	Number	Number
Zinc and zinc alloys (contd.)						
26	Zinc alloy pressure die casting except coffin furniture	370	487	8,446	42	44
25	Other manufactures of zinc	23.4 ..	132 23	..	423	13 15
Total zinc and zinc alloys and manufactures thereof		19,727	..	22,472	..	..
White metal alloys (i.e. alloys of tin, lead, zinc, antimony, etc., not elsewhere specified)						
Unwrought or partly wrought						
13	Anti-friction metal	Th. tons 2.9	Th. tons 2.8	1,540	16	17
13	Type-metal	11.5	14.0	1,728	10	10
13	Other sorts	Th. cwt. 17.0	Th. cwt. ..	274	6	6
Wrought or manufactured						
27	Printing type	11.8	12.1	478	..	..
27	Other manufactures	0.2	2.0	142	..	..
Total white metal alloys and manufactures thereof		4,017	..	4,162	..	..
13	Tungsten, in all forms except ferro-tungsten	Th. tons 31.2	Th. lb. 389	543	..	..
13	Other metals and alloys of metal	..	Th. tons 13.0	5,744 4,300	29	30
27	Unclassified non-ferrous metals and manufactures	1.0 ..	1.6 ..	1,137 589	25	28
Other products						
Scrap sold						
	Aluminium and aluminium alloys	16.0	10.6	1,203	46	53
	Copper	17.4	17.0	2,929	76	106
	Brass and other copper alloys, including nickel silver and cupro-nickel, but excluding all other nickel alloys	11.5 ..	9.2	1,085	51	59
	Lead	1.2 ..	2.1	108	16	17
	Zinc	1.0	1.1	49	24	24
	Iron and steel	97.8	138.8	1,527	32	43
	Other metals	10.5	9.0 ..	894 360	114	128
	Concentrates, metallic residues, wastes etc., not elsewhere specified	224.6 ..	2.0 ..	96 1,422	71	79

TABLE 4 (contd.)

Industry sub-division (a)	1954		1958			
	Quantity	Value	Quantity	Value	Enter-prises	Entries
		£'000		£'000	Number	Number
	Work done on commission, sub-contract work, etc.					
22	Castings of ingots, billets, etc. of brass and other copper alloys	91	245	13	14	
21	Rolling of copper, brass and other copper alloys (including nickel silver and cupro-nickel, but excluding all other nickel alloys)	137	153	10	11	
	Other work	2,747	3,817	84	93	
	Repair work	85	95	13	13	
	Total	483,350	503,213	..	..
	Sales in other industries (see Table 5)	37,327	37,951	..	..
	Principal products of this industry sold by establishments in the industry	446,022	465,261	334	406(c)	

(a) The number given is that of the sub-division of which the item is a characteristic product. The sales shown are total sales by larger firms, not merely sales by establishments classified to the sub-division.

(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 shown in Table 2 on account of combined returns covering more than one establishment.

Sales of principal products of the industry by establishments
classified to other industries

TABLE 5 Firms employing 25 or more persons: United Kingdom

	1954		1958			
	Quantity	Value	Quantity	Value	Entries	Principal industries in which produced (a)
	Th. tons	£'000	Th. tons	£'000	Number	
Aluminium and aluminium alloys						
Secondary based aluminium and aluminium alloy ingots, notch bars and sticks: plates, sheet and strip (flat or in coil) exceeding 0.006 inch in thickness; bars (other than notch bars and wire bars), rods, angles, shapes and sections; and tubes	..	2,161	..	1,792	6	39, 72, 75, 126
Foil (rolled material not exceeding 0.006 inch in thickness)	{ 0.3 ..	{ 158 243	{ 0.3 ..	{ 274 602	{ 6	{ 74, 116, 117, 126
Castings	{ 3.9 ..	{ 1,628 299	{ 2.2 ..	{ 1,129 333	{ 96	{ 38, 40, 50, 75
Forgings and stampings	0.3	317				
Other and unclassified manufactures of aluminium and aluminium alloys	{ 0.2 ..	{ 174 360	{ ..	{ 945	{ 15	{ 57, 75, 117, 126
Total aluminium and aluminium alloys and manufactures thereof		5,340		5,075	..	
Brass and other copper alloys including nickel silver and cupro-nickel, but excluding all other nickel alloys						
Ingots, blocks, slabs, billets, bars (including wire bars) other refinery shapes and cast strip; plates, sheets, foil, strip, discs and circles	10.8	2,514	9.1	1,670	7	71, 72, 74, 75
Round brass rods and other rods and sections and wire not in coils	3.6	902	9.0	1,992	5	72, 75
Castings of brass and other copper alloys						
Port holes, scuttles and similar metal fittings for ships, and railway and tramway fittings	{ 0.4 ..	{ 181 74	{ 0.7 ..	{ 284 331	{ 22	{ 50, 62, 75
Propellers and propeller blades for ships	..	142				
Machined castings sold as such	-	-	{ 0.6 ..	{ 262 53	{ 22	{ 40, 50, 56, 75
Rough castings sold as such	{ 8.3 ..	{ 3,286 594	{ 7.7 ..	{ 3,340 384	{ 129	{ 38, 40, 50, 75
Sheet metal stampings and pressings of brass	{ 1.5 ..	{ 1,078 922	{ 3.0 ..	{ 1,683 1,564	{ 108	{ 53, 63, 73, 75
Hot brass pressings	{ 1.5 ..	{ 640 256	{ ..	{ 195	{ ..	{ 71, 75, 124
Other manufactures of brass and other copper alloys except wire in coils	..	561	..	194	7	40, 45, 48, 62
Total brass and other copper alloys and manufactures thereof		11,150		11,952	..	

(93770)

TABLE 5 (contd.)

	1954		1958			
	Quantity	Value	Quantity	Value	Entries	Principal industries in which produced (a)
	Th. tons	£'000	Th. tons	£'000	Number	
Copper						
Unwrought: ingots, blocks, slabs, ingot bars, wire bars, billets, cakes, cathodes and anodes, including rough copper of 94 per cent. copper content or over	11.0	2,840	{ 2.9 ..	{ 614 1,591	{ 5	{ 28, 72, 74
High conductivity strip			10.4	3,125	9	57, 72, 74
Plates, sheets or strip (other than of high conductivity); rods and sections, shapes and angles, and wire not in coils	{ 47.0	{ 13,520	3.8	1,206	5	57, 72
Unclassified uninsulated wire rods, strip and wire not in coils			44.7	9,817	..	57
Other copper castings			{ 0.5 ..	{ 131 54	{ ..	{ 50, 72
Other manufactures of copper except wire in coils and engineers' and mechanics' goods	..	873	..	329	..	39, 53, 57
Total copper and manufactures thereof		17,233		16,867	..	
Lead and lead alloys and laminated lead and manufactures thereof	{ Th.cwt. 19.2 ..	{ 123 266	{ Th.cwt. 20.5 ..	{ 244 295	{ 8	{ 28, 57, 75, 126
Nickel and nickel alloys (other than nickel silver and cupro-nickel) and manufactures thereof	{ Th. tons 0.5 ..	{ 623 354	{ Th. tons 0.1 ..	{ 169 64	{ 8	{ 38, 39, 72, 75
Tin and tin alloys and manufactures thereof	..	183	..	183	6	38, 75, 126
Zinc alloy pressure die casting except coffin furniture	{ Th.cwt. 9.2 ..	{ 169 248	{ Th.cwt. 23.1 ..	{ 191 227	{ ..	{ 61, 75, 124
Other manufactures of zinc and zinc alloys	64.4	376	75.5	354	5	28, 38, 75
Total zinc and zinc alloys and manufactures thereof		793		772	..	
Unclassified non-ferrous metals and manufactures	{ Th. tons 0.5 ..	{ 170 76	{ Th. tons 0.4 ..	{ 396 418	{ 20	{ 28, 38, 39, 40
Other metals and alloys of metals	{ 3.7 ..	{ 747 244	{ 2.5 ..	{ 679 838	{ 9	{ 28, 38, 54, 74
Rolling of copper, brass and other copper alloys (including nickel silver and cupro-nickel, but excluding all other nickel alloys)	..	25	-	-	-	-
Total		37,327		37,951	..	

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

(93770)

Sales of other than principal products by larger firms in the industry

TABLE 6 Firms employing 25 or more persons: United Kingdom

	1954		1958	
	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000
Chemical products				
Metallic compounds	..	2,762	..	2,457
Other chemical products	..	4,785	..	4,332
Spiegeleisen and blast furnace ferro-manganese	..	991	1.4	231
Manufactures of iron and steel	..	..	..	1,112
Iron castings in the rough or machined other than forge and foundry and rolls for rolling mills	1.8	187	5.4	658
Wood and metal patterns	..	180	..	508
Moulds and dies other than of hard metal	..	733	..	207
Miscellaneous non-electrical machinery	..	360	..	422
Industrial plant and steelwork	..	143	..	133
Other mechanical engineering products	..	2,289	..	1,698
Wire in coils				
Circular section, thinner than No. 20 gauge				
Of brass	0.2	91	0.7	199
Of other alloys of copper	0.1	61	..	..
Circular section, No. 20 gauge and thicker				
Of brass	5.9	1,393	2.3	459
Of other alloys of copper	0.8	321	1.1	461
Other descriptions of brass and other alloys of copper, including stranded wire	14.6	4,375	0.3	97
Copper wire	..	..	11.8	3,099
Aluminium wire				
Pure	0.3	81	0.3	92
Alloy	0.6	255	0.4	206
Jewellery, plate and precious metal refining products	..	1,483	..	2,492
Miscellaneous metal manufactures				
Engineers' and mechanics' goods (including fittings for water supply)	..	2,512	..	2,184
Metal fittings for motor vehicles (excluding motor cycles and tri-cars)	..	130	..	158
Stampings and pressings in the rough or machined of iron and steel	0.3	44	0.2	57
Other miscellaneous metal manufactures	..	512	..	1,113
Other products	..	12,915	..	10,466
Work done	..	354	..	98
Total value of goods sold without being subjected to any manufacturing process (merchanted or factored)	..	..	..	32,836
Canteen takings	..	..	..	1,057
Total	..	..	..	66,850

(93770)

Total make of intermediate products, 1958

TABLE 7 Firms employing 25 or more persons: United Kingdom

	Returned in this industry			Returned in all industries		
	Quantity	Enterprises	Entries	Quantity	Enterprises	Entries
	Th. tons	Number	Number	Th. tons	Number	Number
Aluminium and aluminium alloys						
Virgin aluminium ingots and notch bars; virgin based aluminium alloy ingots, notch bars and sticks; wire bars; and powder, flake and granulated	34.1	15	20	34.1	15	20
Secondary based aluminium and aluminium alloy ingots, notch bars and sticks	91.9	28	34	91.9	28	34
Blocks, slabs and billets	337	12	20	337	12	20
Brass and other copper alloys including nickel silver and cupro-nickel, but excluding all other nickel alloys						
Ingots, blocks, slabs, billets, bars, (including wire bars) other refinery shapes and cast strip (a)						
Brass, including manganese bronze	273	37	47	273	37	47
Other	66.5	25	28	66.5	25	28
Direct castings not included above						
Brass, including manganese bronze	0.1	..	..	0.1	..	..
Other	0.6	..	..	0.6	..	..
Plates, sheets, foil, strip, discs and circles	66.0	34	40	66.0	34	40
Copper (a)						
Unwrought: ingots, blocks, slabs, ingot bars, wire bars, billets, cakes, cathodes and anodes, including rough copper of 94 per cent. copper content or over						
Fire refined	238	13	17	238	13	17
Electrolytic	46.2	8	10	46.2	8	10
Other unwrought	14.2	9	10	14.2	9	10
High conductivity strip	21.0	12	12	31.9	19	21
Plates, sheets or strip (other than of high conductivity)						
3/8 inch thick and over	4.1	..	..	4.2	8	10
Other sheets, strip, foil, discs and circles	31.5	..	..	33.7	27	30
High conductivity wire rods; and rolled rods and sections and wire not in coils	192	..	..	193	7	12
Tube shells	46.0	8	8	46.0	8	8
Unclassified uninsulated wire rods, strip and wire not in coils	-	-	-	84.4	7	7
Refined lead unwrought in pigs, ingots, blocks, bars, slabs and cakes	125	24	30	125	24	30

(93770)

TABLE 7 (contd.)

	Returned in this industry			Returned in all industries		
	Quantity	Enter-prises	Entries	Quantity	Enter-prises	Entries
	Th. tons	Number	Number	Th. tons	Number	Number
Tin in blocks, ingots, bars and slabs	35.1	9	10	35.1	9	10
Zinc or spelter unwrought in ingots, blocks, bars, slabs and cakes	75.4	11	14	75.4	11	14
Zinc alloy pressure die casting except coffin furniture	22.9	..	..	24.0	42	44
White metal alloys (i.e. alloys of tin, lead, zinc, antimony, etc., not elsewhere specified)						
Unwrought or partly wrought						
Anti-friction metal	2.9	16	17	2.9	16	17
Type-metal	14.6	9	9	14.6	9	9

(a) Some duplication may be involved owing to inclusion of the same products at more than one stage of manufacture.

Employment and salaries, etc. for the week ended October 25, 1958

TABLE 8 Firms employing 25 or more persons: United Kingdom

	Males	Females	Total
	Number	Number	Number
Working proprietors	15	2	17
Operatives	78,529	13,596	92,125
Administrative, technical and clerical employees	18,949	9,462	28,411
Total employees	97,478	23,058	120,536
Average salaries, etc. paid per head for the week to administrative, technical and clerical employees	£ 18.1	£ 7.5	£ 14.6

Part

- 1 Introductory Notes
- 2 Coal Mining
- 3 Stone and Slate Quarrying and Mining
- 4 Chalk, Clay, Sand and Gravel Extraction
- 5 Metalliferous Mining and Quarrying
- 6 Salt and Miscellaneous Non-metalliferous Mining and Quarrying
- 7 Grain Milling
- 8 Bread and Flour Confectionery
- 9 Biscuits
- 10 Bacon Curing, Meat and Fish Products
- 11 Milk Products
- 12 Sugar
- 13 Cocoa, Chocolate and Sugar Confectionery
- 14 Fruit and Vegetable Products
- 15 Animal and Poultry Foods
- 16 Margarine
- 17 Starch and Miscellaneous Food Industries
- 18 Brewing and Malting
- 19 Spirit Distilling and Compounding
- 20 Soft Drinks, British Wines, Cider and Perry
- 21 Tobacco
- 22 Coke Ovens and Manufactured Fuel
- 23 Mineral Oil Refining
- 24 Lubricating Oils and Greases
- 25 Dyestuffs
- 26 Fertilizers, and Chemicals for Pest Control
- 27 Coal-tar Products
- 28 Chemicals (General)
- 29 Pharmaceutical Preparations
- 30 Toilet Preparations
- 31 Explosives and Fireworks
- 32 Paint and Printing Ink
- 33 Vegetable and Animal Oils and Fats
- 34 Soap, Detergents, Candles and Glycerine
- 35 Synthetic Resins and Plastics Materials
- 36 Polishes
- 37 Gelatine, Adhesives, etc.
- 38 Iron and Steel (General)
- 39 Steel Tubes
- 40 Iron Castings, etc.
- 41 Non-ferrous Metals
- 42 Agricultural Machinery (except Tractors)
- 43 Metal-working Machine Tools
- 44 Engineers' Small Tools and Gauges
- 45 Industrial Engines
- 46 Textile Machinery and Accessories
- 47 Contractors' Plant and Quarrying Machinery
- 48 Mechanical Handling Equipment
- 49 Office Machinery
- 50 Miscellaneous (Non-electrical) Machinery
- 51 Industrial Plant and Steelwork
- 52 Ordnance and Small Arms
- 53 General Mechanical Engineering
- 54 Scientific, Surgical and Photographic Instruments, etc.
- 55 Watches and Clocks
- 56 Electrical Machinery
- 57 Insulated Wires and Cables
- 58 Telegraph and Telephone Apparatus
- 59 Radio and Other Electronic Apparatus
- 60 Domestic Electrical Appliances
- 61 Miscellaneous Electrical Goods
- 62 Shipbuilding and Marine Engineering
- 63 Motor Vehicle Manufacturing
- 64 Motor Cycle, Three-wheel Vehicle and Pedal Cycle Manufacturing
- 65 Aircraft Manufacturing and Repairing
- 66 Locomotives and Railway Track Equipment
- 67 Railway Carriages and Wagons and Trams
- 68 Perambulators, Hand-trucks, etc.
- 69 Tools and Implements

Part

- 70 Cutlery
- 71 Bolts, Nuts, Screws, Rivets, etc.
- 72 Wire and Wire Manufactures
- 73 Cans and Metal Boxes
- 74 Jewellery, Plate and Refining of Precious Metals
- 75 Miscellaneous Metal Manufactures
- 76 Production of Man-made Fibres
- 77 Spinning and Doubling of Cotton, Flax and Man-made Fibres
- 78 Weaving of Cotton, Linen and Man-made Fibres
- 79 Woollen and Worsted
- 80 Jute
- 81 Rope, Twine and Net
- 82 Hosiery and Other Knitted Goods
- 83 Lace
- 84 Carpets
- 85 Narrow Fabrics
- 86 Household Textiles and Handkerchiefs
- 87 Canvas Goods and Sacks
- 88 Textile Finishing
- 89 Asbestos
- 90 Miscellaneous Textile Industries
- 91 Textile Converting
- 92 Leather (Tanning and Dressing) and Fellmongery
- 93 Leather Goods
- 94 Fur
- 95 Weatherproof Outerwear
- 96 Men's and Boys' Tailored Outerwear
- 97 Women's and Girls' Tailored Outerwear
- 98 Overalls and Men's Shirts, Underwear, etc.
- 99 Dresses, Lingerie, Infants' Wear, etc.
- 100 Hats, Caps and Millinery
- 101 Corsets and Miscellaneous Dress Industries
- 102 Gloves
- 103 Footwear
- 104 Bricks, Fireclay and Refractory Goods
- 105 Pottery
- 106 Glass
- 107 Cement
- 108 Abrasives
- 109 Miscellaneous Building Materials, etc.
- 110 Timber
- 111 Furniture and Upholstery
- 112 Bedding, etc.
- 113 Shop and Office Fitting
- 114 Wooden Containers and Baskets
- 115 Miscellaneous Wood and Cork Manufactures
- 116 Paper and Board
- 117 Cardboard Boxes, Cartons and Fibre-board Packing Cases
- 118 Miscellaneous Manufactures of Paper and Board
- 119 Printing and Publishing of Newspapers and Periodicals
- 120 General Printing, Publishing, Bookbinding, Engraving, etc.
- 121 Rubber
- 122 Linoleum, Leathercloth, etc.
- 123 Brushes and Brooms
- 124 Toys, Games and Sports Equipment
- 125 Miscellaneous Stationers' Goods
- 126 Plastics Moulding and Fabricating
- 127 Miscellaneous Manufacturing Industries
- 128 Construction
- 129 Gas
- 130 Electricity
- 131 Water Supply
- 132 Index of Products
- 133 Summary Volume
- 134 Summary Volume
- 135 Summary Volume

CENSUS OF PRODUCTION REPORTS FOR OTHER RECENT YEARS

The census reports for earlier years include some items which are not included in the Report on the Census of Production for 1958. The most recent reports are listed below, with an indication of any important items they contain which do not appear in the 1958 Reports. The data in all these earlier reports is analysed in accordance with the original (1948) edition of the Standard Industrial Classification.

Census of Production for 1951: Summary Tables, Part I (H.M.S.O., 1956. Price 6s. net).
No important items which do not appear in the 1958 Reports.

Census of Production for 1951: Summary Tables, Part II (H.M.S.O., 1956. Price 6s. net).
Channels of sales, 1948
Payments for services, 1948
Shift working, 1951
Power equipment, 1951
Prime movers, 1951
Analysis of periods covered by census returns, 1948 and 1951.

The Report on the Censuses of Production for 1952 and 1953. Introductory Notes and 5 volumes. (These volumes are now out of print.)

No important items which do not appear in the 1958 Reports.

The Report on the Census of Production for 1954. Introductory Notes, Index of Products, and 154 booklets relating to individual industries (H.M.S.O., 1956-59. Prices vary, usually from 1s. 6d. to 2s. net for each booklet).

Detailed information about materials and fuel purchased.

Census of Production for 1954: Summary Tables, Part I (H.M.S.O., 1958. Price 9s. net).

Fuel purchased
Gas produced in certain industries
Electricity generated, purchased and sold
Materials purchased: iron and steel; non-ferrous metals; paint; plastics materials; cotton and rayon, nylon, etc. textiles; timber; packing materials; replacement parts for plant etc. (Information about purchases of other materials is given in The Report on the Census of Production for 1954.)

Census of Production for 1954: Summary Tables, Part II (H.M.S.O., 1959. Price 7s. net).

Regional analyses of gross output, net output and capital expenditure.

Census of Production for 1954: Summary Tables, Part III (H.M.S.O., 1959. Price 8s. net).

Sales of particular products by certain industries in Scotland and Wales.

The Report on the Censuses of Production for 1955, 1956 and 1957. Introductory Notes and 5 volumes (H.M.S.O., 1959. Prices 1s. 6d. to 3s. 6d. net according to size of volume).

No important items which do not appear in the 1958 Reports.

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