



BOARD OF TRADE

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Report on the Census of Production 1963

74 Miscellaneous metal manufactures

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These notes give the main information needed for interpreting the figures in the industry reports. They are intended to be read in conjunction with the detailed information about the Census of Production, 1963, which is published in the Report on the Census of Production, 1963, and in the various industry reports.

BOARD OF TRADE

Report on the Census of Production 1963

74 Miscellaneous metal manufactures

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)

TERMS USED IN THE CENSUS REPORT

Average number employed

These figures are based on the number of persons on the payroll (i.e. those national insurance cards were held by them) on the average during the year of return, whether full-time or part-time employees. Part-time employees are included for (a) administrative, technical and clerical employees and (b) operatives (see below). Part-time employees are included on a pro-rata basis in the figures for the average number employed.

Value added

Value added is the value of the goods and services produced by the industry during the year of return, less the value of the raw materials and services used in the production process. It is the value of the net output of the industry. It is calculated on the basis of the prices paid for the goods and services produced, less the value of the raw materials and services used in the production process. It is calculated on the basis of the prices paid for the goods and services produced, less the value of the raw materials and services used in the production process.

Notes

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 full-time 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.

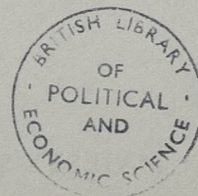
This represents the cost incurred during the year of new building and other new constructional work (including office buildings, canteens and the like used in connection with the business covered by the return but not dwelling houses for employees). The value is that charged to capital account during 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.

74 Miscellaneous metal manufactures

This Report on the Miscellaneous Metal Manufactures Industry relates to establishments engaged wholly or mainly in manufacturing metal bedsteads, chairs, tables, filing cabinets, lockers, shelves, fenders, fire irons and spring and wire mattresses; metal casements, window frames and door frames; safes and strong rooms, cash and deed boxes and all types of locks and keys except time locks; spiral and flat (including laminated) springs for all purposes; forgings by drop forging, but not including heavy forgings; stampings and pressings, kegs, drums, cisterns (other than of cast iron), etc.; domestic hollow-ware and other domestic articles of base metal but not including hollow-ware fitted with an electric element; fishhooks, metal lamps other than electric, pen nibs, stoves (other than of cast iron) and metal smallwares of all kinds for the clothing, fancy leather goods, harness and saddlery, etc., trades, such as bag clasps and frames, buckles, hooks and eyes, needles, snap fasteners, zip fasteners, domestic chain, etc.; metallic abrasives; anchors, grapnels and drags, chains, shackles, couplings, crane hooks, horseshoes, ornamental ironwork, etc. The report includes galvanising, japanning, lacquering or enamelling (including vitreous enamelling), tinning, plating or otherwise finishing metal goods; ship breaking; and general sheet metal working in base metals and welding. The production of engineers' non-ferrous stampings and pressings is excluded.

This industry corresponds to minimum list heading 399 in the Standard Industrial Classification (Consolidated edition, 1963).

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)

	Unit	1958	1963
Number of enterprises	No.	6,776	6,879
Number of establishments	"	7,222	7,546
Gross output	£'000	604,752	816,061
Net output	"	271,937	402,597
Net output per head	£	914	1,214
Sales and work done	£'000	575,142	778,076(b)
		27,312	34,713
Excise duty on mechanical lighters	"	*	612
Purchases	"	306,391	360,172
	"		30,113
Payments to other organisations	"	11,837	14,083
	"	9,343(c)	10,358
Stocks and work in progress	"	- 2,949	+ 5,147
Total stocks and work in progress	"	108,568	145,121
Goods on hand for sale	"	+ 2,066	- 208
	"	20,335	29,251
Work in progress	"	+ 232	+ 3,480
	"	30,287	42,700
Materials, stores and fuel	"	- 5,247	+ 1,875
	"	57,946	73,170
Average number employed	Th.	297.4	331.6
	"	239.1	259.7
	"	56.9	63.4
Wages and salaries	£'000	122,153	165,283
	"	41,565	56,619
Employers' contributions to National Insurance and private pension schemes, etc. (e)	"	..	13,614
Capital expenditure (f)	"	..	26,043
Total	"	..	26,043
New building work	"	4,669	6,012
Land and existing buildings (g)	"	..	726
Plant and machinery (g)	"	11,174	16,768
Vehicles (g)	"	1,929	2,537

(a) For 1963, estimates for small firms and for firms not making satisfactory returns accounted for about 18 per cent. of the total figures in which they were incorporated. (For 1958 the comparable figure was 16 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) Including Excise duty on mechanical lighters.

(d) Administrative, technical and clerical employees.

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

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

(g) Acquisitions less disposals.

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	Sub-divisions of the industry (b)			
		Metal furniture		Metal windows and door frames	
		10	20	10	20
		1958	1963	1958	1963
Number of enterprises (e)	No.	100	122	35	43
Number of establishments	"	116	150	44	62
Gross output	£'000	29,525	52,147	29,740	34,700
Net output	"	13,261	27,152	13,842	18,609
Net output per head	£	1,010	1,334	949	1,231
Sales and work done	£'000	goods produced and work done	49,815(f)	25,436	30,132(f)
		merchanted goods and canteen takings	994	1,696	4,304	4,571
Sales of characteristic products	"	22,855	37,780	20,342	23,343
Index of specialisation (h)	Per cent.	80	76	80	77
Excise duty on mechanical lighters	£'000	-	-	-	-
Purchases	"	materials for processing and packaging, and fuel	21,920	14,933	11,364
		goods for merchandising and canteen purchases	1,345		4,114
Payments to other organisations	"	for work done on materials given out	1,082	277	323
		for transport	634	607	451	428
Stocks and work in progress					
Goods on hand for sale	"	change during year	34	66	22
		at end of year	1,000	1,686	1,122	1,041
Work in progress	"	change during year	670	66	20
		at end of year	2,007	4,265	1,929	2,319
Materials, stores and fuel	"	change during year	40	237	137
		at end of year	2,757	4,581	3,077	3,245
Average number employed	No.	13,130	20,358	14,581	15,113
	operatives	9,796	14,857	9,972	9,868
	other employees (j)	3,330	5,381	4,608	5,229
Wages and salaries	£'000	of operatives	10,199	5,971	7,449
		of other employees (j)	2,352	4,819	3,085	4,293
Wages and salaries per head	£	operatives	686	599	755
		other employees (j)	706	896	669	821
Employers' contributions to National Insurance (k)	£'000	..	559	..	440
Employers' contributions to private pension schemes, etc. (l)	"	..	311	..	242
Capital expenditure (m)					
New building work	"	191	378	150	530
Land and existing buildings	"	acquisitions	206	..	20
		disposals	..	176	..	58
Plant and machinery	"	acquisitions	1,083	284	475
		disposals	30	102	6	28
Vehicles	"	acquisitions	318	229	253
		disposals	79	106	77	91

	Unit	Sub-divisions of the industry (b)										
		Safes, locks, latches and keys (c)		Springs, laminated, coil and other		Steel drop forgings		Drop stampings and hot pressing of iron and steel (d)		Domestic hollow-ware except vats, tanks and cisterns		
		30	40	51	52	61	30	40	51	52	61	
		1958	1963	1958	1963	1958	1963	1958	1963	1958	1963	1958	1963
		70	39	90	89	63	62	161	31	84	70	
		77	45	122	139	70	73	187	34	93	83	
		17,468	15,852	24,111	35,360	57,222	57,173	39,361	31,802	18,335	22,635	
		9,826	10,610	11,404	17,956	19,606	24,050	17,496	12,609	7,652	10,376	
		817	1,253	775	1,035	1,074	1,321	830	1,388	682	940	
		17,171	15,104(f)	23,513	34,465(f)	56,333	55,246(f)	38,091	31,282(f)	17,644	21,398(f)	
		236	354	551	1,014	1,112	1,616	850	552	470	1,208	
		15,210	13,563	19,469	30,029	46,253	51,129	29,326	27,833	12,672	16,928	
		89	90	83	87	82	93	77	89	72	79	
		-	-	-	-	-	-	-	-	-	-	
Purchases	"	7,010	4,543	12,081	15,768	33,353	30,243	20,300	18,318	9,716	10,662	
			239		851		1,563		520		1,053	
Payments to other organisations	"	256	293	100	439	2,682	1,023	598	281	256	543	
		247	182	411	457	586	592	489	371	386	328	
Goods on hand for sale	"	- 27	+ 226	+ 58	- 182	- 36	+ 82	+ 174	- 38	+ 238	- 91	
		1,121	1,104	508	986	550	790	867	203	1,122	1,246	
Work in progress	"	+ 88	+ 168	- 11	+ 64	- 187	+ 229	+ 246	+ 6	- 17	+ 121	
		1,168	1,316	820	1,023	2,537	3,548	1,910	2,059	1,005	1,109	
Materials, stores and fuel	"	- 129	+ 15	- 116	+ 110	- 994	+ 298	- 479	+ 296	- 325	+ 327	
		1,432	1,137	2,121	2,991	6,061	5,862	3,822	3,164	2,105	2,393	
Average number employed	No.	12,024	8,469	14,719	17,355	18,247	18,206	21,060	9,084	11,214	11,037	
	operatives	9,958	6,977	12,428	14,516	15,201	15,399	17,722	7,333	9,194	9,186	
	other employees (j)	2,059	1,459	2,276	2,769	3,046	2,783	3,321	1,722	2,011	1,791	
Wages and salaries	£'000	4,635	4,100	5,770	8,527	9,578	11,989	8,306	6,050	4,079	4,786	
		1,516	1,257	1,676	2,432	2,186	2,506	2,581	1,645	1,378	1,504	
Wages and salaries per head	£	465	588	464	587	630	779	469	825	444	521	
		736	862	736	878	718	900	777	955	685	840	
Employers' contributions to National Insurance (k)	£'000	..	217	..	457	..	550	..	286	..	285	
Employers' contributions to private pension schemes, etc. (l)	"	..	99	..	210	..	331	..	163	..	91	
Capital expenditure (m)												
New building work	"	152	171	257	141	390	237	351	129	43	139	
Land and existing buildings	"	..	62	..	76	..	96	..	17	..	62	
		..	*	..	124	..	93	..	54	..	17	
Plant and machinery	"	314	374	405	931	1,592	1,646	800	725	285	421	
		7	7	11	69	42	57	41	33	10	46	
Vehicles	"	69	71	174	232	94	126	172	59	139	114	
		22	24	67	87	30	42	61	18	57	52	

Continued on next page

TABLE 2 (continued)

	Unit	Sub-divisions of the industry (b)				
		Other hollow-ware, including barrels, drums, kegs, vats, tanks, cisterns etc. 62		Anchors and chains 71		
		1958	1963	1958	1963	
Number of enterprises (e)	No.	94	63	30	26	
Number of establishments	"	118	86	41	31	
Gross output	£'000	41,401	35,959	8,396	10,082	
Net output	"	15,909	14,008	3,280	4,194	
Net output per head	£	963	1,275	891	1,315	
Sales and work done	goods produced and work done	£'000	39,654	34,628(f)	7,825	9,361(f)
		merchanted goods and canteen takings	"	1,582	1,356	449	764
Sales of characteristic products	"	28,221	27,219	6,510	7,893	
Index of specialisation (h)	Per cent.	71	79	83	84	
Excise duty on mechanical lighters	£'000	-	-	-	-	
Purchases	materials for processing and packaging, and fuel	23,726	19,138	4,598	4,893	
						goods for merchandising and canteen purchases	1,286	666
Payments to other organisations	for work done on materials given out	"	576	362	156				194
		for transport	"	908	920	147	160
Stocks and work in progress						
Goods on hand for sale	change during year	"	+ 47	- 49	+ 39	- 6
		at end of year	"	328	378	362	289
Work in progress	change during year	"	+ 118	+ 24	+ 83	- 38
		at end of year	"	1,705	1,230	802	742
Materials, stores and fuel	change during year	"	- 282	- 245	- 215	+ 25
		at end of year	"	6,331	4,971	1,039	1,049
Average number employed	total, including working proprietors	No.	16,516	10,988	3,683	3,190
	operatives	"	13,224	8,715	3,035	2,493
	other employees (j)	"	3,285	2,230	648	674
Wages and salaries	of operatives	£'000	7,218	5,981	1,676	1,629
	of other employees (j)	"	2,509	2,102	448	651
Wages and salaries per head	operatives	£	546	686	552	654
	other employees (j)	"	764	943	691	965
Employers' contributions to National Insurance (k)	£'000	..	321	..	91	
Employers' contributions to private pension schemes, etc. (l)	"	..	207	..	44	
Capital expenditure (m)						
New building work	"	289	330	63	98	
Land and existing buildings	acquisitions	"	..	*	..	55
	disposals	"	..	73	..	-
Plant and machinery	acquisitions	"	927	698	305	406
	disposals	"	26	69	12	9
Vehicles	acquisitions	"	199	236	33	37
	disposals	"	63	73	10	12

	Sub-divisions of the industry (b)								Total	
	Needles, pins and fish hooks 72		Metal smallwares, other than needles and pins 73		Finishing of metal goods 74		Other metal manufactures (c)(d) 75			
	1958	1963	1958	1963	1958	1963	1958	1963	1958	1963
		13	11	70	62	202	184	600	703	1,560	1,426
	20	19	94	76	235	227	740	913	1,957	1,938
	4,088	5,911	18,776	18,906	20,478	25,863	200,174	326,066	509,075	672,457
	2,556	3,931	10,447	10,940	12,896	16,812	90,734	160,504	228,914	331,751
	633	974	791	943	934	1,114	964	1,247	914	1,214
	3,754	5,271(f)	17,972	18,304(f)	20,065	25,340(f)	188,114	310,808(f)	484,149	641,156(f)
	357	593	774	582	412	515	10,899	13,784	22,991	28,605
	2,615	3,316	14,571	13,217	19,177	24,280	142,885	251,875	(g)	(g)
	70	63	81	72	96	96	76	81	90	90
	-	-	-	-	-	-	*	505	*	505
	1,472	1,407	7,842	6,914	6,863	8,022	101,568	143,601	257,917	296,792
	26	34	243	448	480	722	3,751	5,862	9,964	11,605
	34	43	185	178	224	137	3,164(i)	4,134	7,865(i)	8,536
	- 19	- 22	- 10	- 33	+ 19	+ 23	+ 1,190	- 23	+ 1,739	- 171
	339	518	1,404	1,387	130	254	8,265	14,222	17,118	24,104
	- 4	+ 69	+ 40	+ 53	- 18	- 15	- 29	+ 1,497	+ 196	+ 2,867
	446	576	947	1,024	132	191	10,088	15,783	25,495	35,186
	+ 1	+ 52	- 59	+ 57	- 15	+ 154	- 956	+ 360	- 4,417	+ 1,545
	314	398	1,543	1,523	1,054	1,334	17,123	27,647	48,778	60,294
	4,041	4,038	13,211	11,597	13,809	15,091	94,137	128,747	250,372	273,273
	3,404	3,336	10,940	9,746	11,662	12,675	75,630	103,602	202,166	218,703
	637	702	2,268	1,813	2,119	2,247	18,477	24,557	48,085	53,357
	1,379	1,678	4,362	4,836	6,346	8,088	38,378	63,883	103,310	139,196
	396	542	1,638	1,568	1,667	2,035	13,721	22,328	35,153	47,682
	405	503	399	496	544	638	507	617	511	636
	622	772	722	865	787	906	743	909	731	894
	..	92	..	289	..	433	..	3,542	..	7,563
	..	74	..	161	..	136	..	1,835	..	3,902
	26	9	112	143	230	370	1,674	2,277	3,931	4,954
	..	*	..	*	..	382	..	1,231	..	2,225
	..	*	..	19	..	29	..	970	..	1,627
	127	148	421	615	511	733	3,490	6,520	9,917	14,777
	20	141	31	40	30	30	245	329	511	959
	24	20	97	67	251	275	995	1,421	2,655	3,230
	6	10	44	26	85	92	429	506	1,032	1,139

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)	Enterprises		Average number employed (a)	Gross output	Net output	Net output per head	Capital expenditure (b)	Total value of stocks and work in progress at end of year
	Number	Number						
25-49	466	500	17,506	36,286	20,032	1,144	1,111	4,281
50-99	447	497	31,141	65,804	33,505	1,076	2,773	9,470
100-199	242	319	33,199	68,187	35,871	1,080	2,510	10,627
200-299	90	149	21,898	51,414	25,496	1,164	2,234	10,056
300-399	50	88	17,315	43,910	21,426	1,237	1,267	8,685
400-499	26	55	11,676	27,118	12,931	1,108	829	5,068
500-749	34	82	19,918	53,333	22,995	1,154	1,751	10,500
750-999	25	55	21,339	52,209	26,430	1,239	1,704	11,635
1,000-1,499	20	49	24,583	58,696	32,103	1,306	1,820	11,563
1,500-1,999	14	49	23,907	71,873	35,495	1,485	1,736	14,129
2,000-2,499	6	32	13,621	31,568	15,962	1,172	1,216	6,382
2,500 and over	6	63	37,170	112,059	49,504	1,332	2,508	17,187
Total	1,426	1,938	273,273	672,457	331,751	1,214	21,461	119,584

(ii) Employees, wages and salaries, and employers' contributions

Firms employing 25 or more persons: United Kingdom

Average number employed by the enterprise in the industry (a)	Employees		Wages and salaries		Employers' contributions		Wages and salaries per head	
	Operatives	Others (c)	Operatives	Others (c)	National Insurance (d)	Private pension schemes, etc. (e)	Operatives	Others (c)
25-49	14,380	2,620	8,627	2,422	499	97	600	924
50-99	25,677	5,054	14,976	4,596	855	220	583	909
100-199	27,392	5,627	15,943	5,216	892	359	582	927
200-299	17,737	4,136	10,739	3,785	596	292	605	915
300-399	13,715	3,579	8,817	3,227	501	199	643	902
400-499	9,570	2,084	5,670	1,949	308	182	593	935
500-749	16,076	3,829	9,861	3,381	540	244	613	883
750-999	17,074	4,253	10,388	3,721	572	434	608	875
1,000-1,499	18,949	5,622	12,264	4,956	673	417	647	882
1,500-1,999	19,210	4,697	13,486	4,194	673	389	702	893
2,000-2,499	9,531	4,090	5,952	3,467	382	241	625	848
2,500 and over	29,392	7,766	22,471	6,767	1,071	828	765	871
Total	218,703	53,357	139,196	47,682	7,563	3,902	636	894

(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 £670,000.

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

Ages	Males	Females	All employees
	Per cent.	Per cent.	Per cent.
Under 18	5	3	8
18 and over	64	28	92
All ages	69	31	100

Source: Ministry of Labour

(a) The percentages relate to the numbers employed (excluding working proprietors) at mid-June, 1963 in the Metal Industries not elsewhere specified - Minimum List Heading 399.

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 3 per cent. of the employment shown for 1963 and 4 per cent. for 1958.

	1958	1963
Number of firms	5,171	5,455
Average number employed:		
Working proprietors	43,231	7,332
Other persons employed		42,522

(b) The method of classifying returns to sub-divisions of the industry is explained in the notes; the characteristic products of each sub-division are identified in Table 5.

(c) Firms wholly or mainly engaged in the manufacture of door bolts, hasps, staples (including blanks) and hinges and other metal furnishings for doors and windows (other than locks) are included in the sub-division for 'Safes, locks, latches and keys' (30) for 1958, but for 1963 are included in the sub-division 'Other metal manufactures' (75).

(d) Firms wholly or mainly engaged in the production of cold pressings, not elsewhere specified, were included in a combined sub-division described as 'Stampings and pressings in the rough and machined, not elsewhere specified' (52) for 1958, but for 1963 are included in 'Other metal manufactures' (75).

(e) 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.

(f) 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).

(g) Characteristic products relate only to sub-divisions of the industry.

(h) 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.

(i) Including Excise duty on mechanical lighters.

(j) Administrative, technical and clerical employees.

(k) Including both flat rate and graduated contributions.

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

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

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

Industry sub-division (a)	1958		1963			
	Quantity	Value	Quantity	Value	Enterprises	Entries
10		£'000		£'000	Number	Number
Metal furniture and parts thereof						
Bedsteads and parts thereof	..	1,814	..	2,170	25	27
Cabinets (including filing and card index cabinets and plan files) and parts thereof	..	3,179	..	5,491	71	72
Hearth furniture other than fire-guards, sparkguards and cinder sifters	..	871	..	997	28	29
Kitchen and bathroom furniture including sinks, sink units and wash basins, etc., not elsewhere specified	..	6,870	..	9,171	44	47
Seating (except pedestal chairs with reclining movement)	..	2,661	..	3,037	31	31
Storage cupboards, shelving and racking and clothing lockers	..	8,077	..	14,080	75	77
Tables and desks	..	1,375	..	2,776	41	42
Spring and wire base mattresses	..	1,880	..	1,412	30	34
Other metal furniture (including industrial sundries) and parts, not elsewhere specified	..	4,546	..	7,527	101	104
Unclassified	..	2,548	..	2,673	30	30
Total metal furniture and parts thereof	..	33,821	..	49,332	..	..
20						
Metal windows, metal door frames, etc.						
Metal windows and metal door and window frames and casements	Th.tons		Th.tons			
Of iron and steel	65.5	13,764	56.4	12,675	74	78
Of other metals	1.0	876	3.0	3,737	43	47
Unclassified	13.6	4,208	-	-	-	-
Curtain walling	..	926	..	..	..	..
Of iron and steel	..	(b)	2.1	634	13	13
Of other metals	..	(b)	0.9	1,087	11	11
Glazing bars	..	..	..	415	..	..
Lead or lead clothed	..	225(c)	..	388	12	12
Aluminium	..	645(c)	..	1,393	18	20
Total metal windows, metal door frames, etc.	..	21,117	..	26,144	..	..
30						
Safes, locks, latches, keys, etc.						
Safes, insulated safe equipment, strong rooms, strong room doors, safe equipment, and night safes; trunks, suitcases, cash boxes, deed boxes, etc. of metal	..	2,888	..	4,824	35	38
Locks (excluding time locks), padlocks and latches and parts thereof, and keys and key blanks for all purposes (d)	..	7,236	..	12,611	59	61

TABLE 5 (continued)

Industry sub-division (a)	1958		1963			
	Quantity	Value	Quantity	Value	Enterprises	Entries
40		£'000	Th.tons	£'000	Number	Number
Springs						
Coil suspension						
For road vehicles	..	(b)	8.5	1,563	9	11
For locomotives, carriages and wagons	..	(b)	1.7	356	*	*
Other coil springs (except upholstery and mattress springs)	Th.tons					
Of ½ inch diameter or equivalent cross-sectional area or over	5.9	1,516	3.6	1,073	33	33
Of less than ½ inch diameter or equivalent cross-sectional area	6.0	2,513	11.6	4,780	59	59
Torsion bars (including laminated torsion bars)	..	(b)	1.9	543	9	9
Laminated						
For road vehicles	63.3	7,333	91.0	11,193	22	33
For locomotives, carriages and wagons	12.8	1,627	..	493	7	8
Other	1.3	194	..	..	..	..
Unclassified	..	125	..	..	..	..
Spring presswork	..	(b)	2.2	1,258	59	60
Upholstery and mattress springs (including spring seating and mattress interiors)	25.5	4,140	19.1	3,253	24	27
Miscellaneous springs, e.g. spring washers (including those assembled with bolts), lock washers, Belleville washers, ring springs, etc.	2.7	511	3.5	1,683	36	36
Unclassified springs other than laminated	6.2	1,968	..	1,588	8	8
Total springs	..	23,831	..	34,719	..	..
Domestic and industrial hollow-ware (excluding hollow-ware fitted with an electric element)						
62						
Vats, tanks and cisterns of wrought iron and steel (e)	..	5,582	16.6	2,683	68	72
61						
Other hollow-ware of metal other than cans and metal boxes but including dishes, trays, moulds and similar articles						
Domestic (e.g. household, hotel, canteen, hospital)						
Of wrought steel (excluding tinplate)						
Vitreous enamelled	..	2,100	..	1,560	16	17
Stove painted	..	(b)	..	723	15	16
Galvanised	..	3,696	..	3,550	41	43
Other	..	1,281	..	2,157	34	36

Continued on next page

TABLE 5 (continued)

Industry sub-division (a)	1958		1963			
	Quantity	Value	Quantity	Value	Enterprises	Entries
		£'000		£'000	Number	Number
61	Domestic and industrial hollow-ware (excluding hollow-ware fitted with an electric element) (continued)					
	Other hollow-ware of metal other than cans and metal boxes but including dishes, trays, moulds and similar articles (continued)					
	Domestic (e.g. household, hotel, canteen, hospital) (continued)					
	Of tinsplate	.. 2,349	.. 3,108	43	48	
	Unclassified	.. 648	.. 546	*	*	
	Of aluminium					
	Pressure cookers	..	1,139	8	8	
	Other	.. 7,780	.. 10,853	47	52	
	Unclassified	..	146	6	8	
	Total domestic hollow-ware (other than vats, tanks and cisterns of wrought iron and steel)					
	..	17,854	.. 23,782	..	..
62	Other than domestic					
	Barrels, kegs and drums of all metals (f)					
	New					
	Thousands		Thousands			
	Of a capacity not exceeding 5 gallons					
	15,478	4,951	20,729	6,002	33	41
	Of a capacity exceeding 5 gallons					
	10,292	12,038	12,459	16,744	33	39
	Reconditioned					
	..	1,452	1,598	990	16	18
	Other non-domestic hollow-ware					
	Th. tons		Th. tons			
	Of wrought iron and steel					
	..	3,962	2.0	478	35	37
			..	1,339		
	Of aluminium					
	0.2	100	0.5	337	11	11
	..	672	..	875		
	Unclassified non-domestic hollow-ware of iron and steel					
	..	991	..	147	9	9
62	Unclassified domestic and non-domestic hollow-ware of aluminium					
	..	1,450	..	119	*	*
	Total domestic and industrial hollow-ware					
	..	49,052	.. 56,879	..	..
	Metal smallwares					
73	Accoutrements, badges, fittings for uniforms and similar accessories of metal (other than of gold or silver)					
	..	695	.. 828	19	19	
	Th.gross					
73	Bag clasps and frames of metal					
	63.0	587	..	970	14	14
	..	193				

TABLE 5 (continued)

Industry sub-division (a)	1958		1963			
	Quantity	Value	Quantity	Value	Enterprises	Entries
		£'000		£'000	Number	Number
	Metal smallwares (continued)					
73	Boot eyelets and lacing hooks					
	15,346	285	14,339	302	*	*
73	Buckles of metal (other than for braces, suspenders and garters)					
	2,218	825	690	364	22	23
			..	672		
73	Buttons of metal					
	Moulds					
	..	(b)	..	174	*	*
	Uniform types					
	297	221	82.4	89	7	7
			..	67		
	Other types covered or not					
	841	121	..	194	6	6
	..	212				
73	Collar studs and cuff links wholly or mainly of metal					
	..	151	..	262	5	5
73	Corset, stationery, sail and other eyelets					
	22,287	779	25,769	960	5	5
73	Corset steels and busks					
	..	(g)	..	413	*	*
73	Fittings for braces, suspenders and garters					
	..	932	1,919	1,073	*	*
73	Hair grips					
	9,062	544	..	493	7	7
73	Knitting needles (including knitting pins of metal)					
	210	393	..	822	5	5
	..	52				
72	Knitting machinery elements					
	Thousands		Thousands			
	Latch needles					
	49,409	709	58,012	1,064	*	*
	Bearded needles					
	10,902	57	..	631	*	*
	Other (e.g. sinkers, dividers, welt hooks, narrowing points)					
	33,096	203				
72	Needles, other than knitting machinery elements					
	Gramophone, of metal					
	..	1,340	..	975	7	8
	Domestic and industrial sewing machine needles					
	Hand needles (other than knitting needles, surgeons' suture needles and hyperdermic needles)					
	Hardware needles (including harness and other leather working needles)					
	..	84	11,990	118	*	*
	Other hand sewing needles and bodkins					
	545,914	586	984,355	752	*	*
	Th.gross					
73	Paper fasteners, clips and other stationery sundries					
	9,690	213	..	1,196	18	18
	..	71				
72	Pins					
	Hair (excluding hair grips)					
	2,104	68	..	142	5	5
	..	11				
	Th.gross					
	Drawing and map					
	10,712	161	4,862	123	6	6
			..	64		
	Other pins					
	..	964	..	1,131	7	7

Continued on next page

TABLE 5 (continued)

Industry sub-division (a)	1958		1963			
	Quantity	Value	Quantity	Value	Enter-prises	Entries
Metal smallwares (continued)	Th.lin.ft.	£'000	Th.lin.ft.	£'000	Number	Number
73 Snap and slide fasteners						
Slide fasteners (including zip fasteners) of metal, complete	26,491 60,553 Th.gross 559	1,285 2,482	124,356 Th.gross 985	4,372	10	10
Press fasteners, press studs (including carpet fasteners) and parts of slide fasteners (including zip fasteners) of metal	..	1,408	..	806	8	8
73 Other metal smallwares (h)	..	5,265	..	4,388	59	62
Other miscellaneous metal goods						
75 Agricultural and horticultural appliances, etc.						
Poultry appliances	..	..	..	4,115	26	26
Other agricultural and horticultural appliances, not elsewhere specified	..	3,112	..	3,334	57	57
71 Anchors and grapnels and parts thereof	Th.tons 2.4 ..	232 122	Th.tons 0.9	128	6	6
75 Art metalwork (including antique reproductions and other ornamental metal goods)						
Of iron and steel	..	3,885	..	1,137	30	30
Of other metals	..	..	..	1,953	30	30
75 Back boilers, hot water cylinders and calorifiers of copper	..	3,584	..	7,151	28	30
75 Bathroom and sanitary fittings other than engineers' and mechanics' goods	..	(i)	..	1,879	22	23
75 Builders' and cabinet makers' ironmongery and hardware, other than shop and office fittings, not elsewhere specified	..	7,569	..	12,126	95	97
75 Catering equipment not elsewhere specified	..	1,553	..	5,858	60	63
75 Castors (industrial) of metal (j)	..	1,423	Th.cwt. 175 ..	647 852	8	8
71 Chain cable, studded link			Th.tons			
Of iron	2.2 ..	258 24	11.1 ..	1,139 194	10	13
Of steel	5.1 ..	759 888				
71 Chain unstudded (excluding precision chain)						
Of iron	3.6 ..	509 110	4.8	881	11	11
Of steel	4.2	580	6.0 ..	858 3,894	20	23
71 Shackles, swivel pieces, slips, etc. for use with chain cable, mooring, hauling or lifting gear	4.3 ..	828 263	3.7 ..	727 163	20	21

TABLE 5 (continued)

Industry sub-division (a)	1958		1963			
	Quantity	Value	Quantity	Value	Enter-prises	Entries
Other miscellaneous metal goods (continued)		£'000		£'000	Number	Number
71 Studded link chain cable, unstudded chain, shackles, swivel pieces and slips, etc., unclassified	..	2,007	-	-	-	-
75 Closures (heavy grade) for drums and closures of metal for bottles, jars, cans and similar containers (excluding crown corks, covers for metal and composite containers and cork stoppers partially manufactured from metal)						
Of copper, brass and other copper alloys, including nickel silver and cupro-nickel, but excluding all other nickel alloys	..	8,964(k)	..	187	7	7
Of other materials	..	..	..	11,527	30	43
75 Coffin furniture of all kinds	..	404(c)	..	309	8	8
75 Cold formed sections	Th.tons		Th.tons			
Of aluminium or aluminium alloys	21.2 ..	3,030 1,032(c)	0.2 ..	90 12	8	8
Of steel			24.7 ..	2,543 973	21	23
75 Cold room and refrigerator cabinets of steel	..	609(c)	..	532	8	8
75 Cooking and washing boilers (other than those wholly or mainly of cast iron) and parts therefor	..	4,844	..	1,981	11	12
75 Crown corks	..	4,535	..	4,610	*	*
75 Curtain rails, rings, hooks, runners, stops and other fittings	..	1,520	..	1,680	10	10
75 Domestic utensils and appliances, not elsewhere specified, other than hollow-ware and electrical	..	3,113	..	5,798	43	43
75 Doors of metal other than for strong rooms	..	1,095	..	1,721	36	38
75 Door bolts, hasps, staples (including blanks) and hinges and other metal furnishings for doors and windows (other than locks)	..	6,137	..	12,832	71	73
75 Engineers' and mechanics' goods including fittings for water supply						
Domestic cocks and taps	..	9,149	..	11,448	51	60
Sanitary, bathroom and other steam and water fittings (except taps, valves and cocks)						
Of copper, brass and other copper alloys (including nickel silver and cupro-nickel, but excluding all other nickel alloys)	..	7,739	..	16,817	49	55
Of other materials	..	..	..	149	9	9
Other kinds of engineers' and mechanics' goods	..	3,107	..	4,370	56	57

Continued on next page

TABLE 5 (continued)

Industry sub-division (a)	1958		1963			
	Quantity	Value	Quantity	Value	Enter-prises	Entries
	Th.tons	£'000	Th.tons	£'000	Number	Number
Other miscellaneous metal goods (continued)						
75 Expanded and perforated metal						
Of iron and steel	44.0	5,815	34.8	5,243	16	16
Of other metals	2.9	849	1.9	851	10	10
	..	155				
75 Fencing materials of iron and steel, other than wire (e.g. gates, grilles, fences, standards, trellis)	17.4	2,599	23.1	3,056	59	62
	..	624	..	1,243		
75 Fire extinguishing apparatus (hand-operated chemical types only)	..	5,683	..	6,340	17	19
75 Hearth plates, table tops and shelf plates, and other plates and sheets (not being hollow-ware) of a description commonly used for domestic purposes and signs of all kinds						
Vitreous enamelled	..	1,371	..	1,071	13	15
Stove painted	..		..	406	7	8
75 Hooks, fasteners and shackles	3.0	1,205(l)	1.1	600	29	29
	..	862(l)	..	1,973		
75 Ladders and steps of aluminium	..	479	..	611	10	10
75 Lamps (not electric) other than blow lamps and brazing lamps	..	1,395	..	1,073	20	20
75 Lighters, mechanical						
Complete, with or without flints	..		..	4,109	5	5
Parts of lighters sold as such not including flints	..	1,952	..	580	6	6
Accessories for lighters	..	(b)	..	29	*	*
75 Machinery and other guards of sheet metal	..	441	1.4	235	69	69
	..		..	556		
75 Name plates, clock and other dials, instruction plates, etc.	..	3,441	..	4,811	58	61
75 Pallets and stillages of metal for use with industrial trucks	..	2,114	..	3,012	45	45
75 Parts of lighting and heating accessories	..	2,409	..	2,047	60	61
75 Parts and accessories of motor vehicles made from sheet metal, not elsewhere specified (m)						
Bumpers	..	(n)	..	9,676	18	22
Fuel tanks	..		..	2,401	23	29
Other	..	7,867(e)	..	24,816	137	142
75 Rolling shutters of steel	4.3	797(c)	3.6	989	14	17
	..	1,009(c)	..	1,045		
75 Shop, office and bar fittings of metal	..	1,603	..	2,601	28	29
75 Steel wool and other metallic abrasives						
Steel wool and steel shavings	..	2,996	..	2,907	*	5
Other metallic abrasives	..		..	2,349	5	5

TABLE 5 (continued)

Industry sub-division (a)	1958		1963			
	Quantity	Value	Quantity	Value	Enter-prises	Entries
	Th.tons	£'000	Th.tons	£'000	Number	Number
Other miscellaneous metal goods (continued)						
75 Stoves and fires for domestic heating and for cooking (other than those wholly or mainly of cast iron) and parts therefor	..	32,726	..	40,928	54	61
75 Umbrella frames, ribs and other metal furniture for umbrellas	..	570	..	768	8	8
Forgings, stampings and pressings not elsewhere specified						
51 Drop forgings of steel	Th.tons		Th.tons			
Of alloy steel	140	25,278	124	21,987	57	65
Other than of alloy steel	160	21,673	175	28,145	78	88
Unclassified	22.0	3,721	-	-	-	-
52 Stampings and pressings of iron and steel which are the products of drop stamping and hot pressing (p)			200	30,187	91	94
75 Pressings in sheet metal (p)	{114	{19,793				
	{..	{12,867				
Of iron and steel			{134	{20,244	{265	{287
			{..	{12,108		
Of aluminium and aluminium alloys	2.6	1,361	2.6	869	108	114
	..	1,611	..	1,689		
Of unclassified metals	1.9	169	..	1,872	25	25
	..	676				
75 Studs and spikes (other than boot and shoe studs and spikes, railway spikes and screw studs)	..	16,923	..	200	6	6
Finished manufactures of metal not elsewhere specified						
Of iron and steel	..		..	7,705	123	127
Of copper, brass and other copper alloys (including nickel silver and cupro-nickel, but excluding all other nickel alloys)	..	3,891	..	1,554	61	63
Of other metals	..	659	..	623	42	42
Other products	..	8,356	..	4,856	212	224
Waste products						
Scrap metals						
Iron and steel	487	4,510	361	3,439	720	839
	..	435	..	796		
Aluminium			4.8	568	263	294
Brass	..	3,161	25.8	3,480	363	405
Copper			1.5	270	181	195
Other scrap metals	..	862	{10.5	{495	{243	{265
			{..	{183		
Other waste products	..		..	333	126	138

Continued on next page

TABLE 5 (continued)

Industry sub-division (a)	1958		1963			
	Quantity	Value	Quantity	Value	Enterprises	Entries
		£'000		£'000	Number	Number
Work done						
Jobbing ironmongery and repair work		862		3,849	70	79
Other work done, on commission, sub-contract work, etc.					71	
74 Metal finishing						
Galvanising		4,291		5,374	71	77
Japanning, lacquering or stove painting		2,800		1,680	70	70
Vitreous enamelling				2,225	24	26
Plating (q)		12,735		16,414	170	177
Tinning		307		269	18	18
71 Proving chain cables and anchors		178		277	7	7
75 Dismantling, demolition, ship-breaking or similar work done for other firms or Government organisations		1,496		1,155	7	12
Other work		11,869		7,386	175	175
Total		481,267		647,488	..	..
Sales in other industries (see Table 6)		47,673		69,060	..	..
Principal products of this industry sold by establishments in the industry		433,594		578,428	1,426	1,639(r)

(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) Not recorded separately for 1958.

(c) So far as recorded separately.

(d) Time locks were not specifically excluded for 1958.

(e) Described for 1958 as vats, tanks and cisterns, including galvanised.

(f) Described for 1958 as barrels, kegs and drums (including tinplate, terneplate and galvanised drums).

(g) Included in other metal smallwares for 1958.

(h) Including fish hooks and hooks and eyes.

(i) Included with engineers' and mechanics' goods for 1958.

(j) Described for 1958 as castors (industrial) of metals other than brass, so far as recorded separately.

(k) Excluding closures (heavy grade) for drums for 1958.

(l) Including moulders chaplets for 1958.

(m) Other parts and accessories of motor vehicles are mainly recorded in the reports on the Motor Vehicle Manufacturing (Part 62) and Motor Cycle, Three-wheel Vehicle and Pedal Cycle Manufacturing (Part 63) industries.

(n) For 1958, bumpers, fuel tanks etc., were included in the report on the Motor Vehicle Manufacturing Industry.

(o) Excluding fittings for motor cycles and tri-cars for 1958.

(p) Described for 1958 as stampings and pressings in the rough or machined, not elsewhere specified.

(q) Described for 1958 as plating and other treatment of metals.

(r) 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.

TABLE 6 Sales of principal products of the industry by establishments classified to other industries, 1958 and 1963

Firms employing 25 or more persons: United Kingdom

	1958		1963			
	Quantity	Value	Quantity	Value	Entries	Principal industries in which produced (a)
		£'000		£'000	Number	
Metal furniture and parts thereof						
Cabinets (including filing and card index cabinets and plan files) and parts thereof	..	136	..	397	12	48,50,62,116
Storage cupboards, shelving and racking and clothing lockers	..	2,315	..	1,403	13	49,50,55,63
Seating (except pedestal chairs with reclining movement)	..	232	..	413	5	62,63,86,122
Tables and desks	..		..	141	*	43,49,62,122
Spring and wire base mattresses	..	1,102	..	843	23	109,110,124
Kitchen and bathroom furniture including sinks, sink units and wash basins, etc., not elsewhere specified	..	1,585	..	1,335	7	39,49,59,62
Other metal furniture (including industrial sundries) and parts, not elsewhere specified	..		..	1,824	26	(b)
Unclassified	..	2,120	..	2,181	24	39,62,109,110
Total metal furniture and parts thereof	..	7,490	..	8,536	..	
Metal windows and metal door and window frames and casements			Th. tons			
Of iron and steel	..	285	1.3	251	31	50,108,109,126
Of other metals	..	379	..	190		
Curtain walling	..	(c)	..	1,169	22	40,50,109,126
Glazing bars	..	180	..	..	..	..
Total metal windows, metal door frames, etc.	..	844	..	1,610	..	..
Safes, insulated safe equipment, strong rooms, strong room doors, safe equipment and night safes: trunks, suitcases, cash boxes, deed boxes, etc. of metal	..	296	..	816	8	49,52,62
Locks (excluding time locks), padlocks and latches and parts thereof, and keys and key blanks for all purposes	..	..	..	..	..	..
Upholstery and mattress springs (including spring seating and mattress interiors)	5.3	551	..	391	7	71,109,124
Laminated springs	21.2	2,557	..	3,001	5	37,62
Coil springs (except upholstery and mattress springs)	..	58(d)	..	..	..	..
Miscellaneous springs, etc.
Torsion bars (including laminated torsion bars)	..	(c)	..	1,268	12	37,49,52,64
Unclassified springs other than laminated	5.0	1,545	..	..	..	..
Total springs	..	4,711	..	4,660	..	..

Continued on next page

TABLE 6 (continued)

	1958		1963			
	Quantity	Value	Quantity	Value	Entries	Principal industries in which produced (a)
Domestic and industrial hollow-ware (excluding hollow-ware fitted with an electric element)		£'000	Th. tons	£'000	Number	
Vats, tanks and cisterns of wrought iron and steel	..	648	0.2	29	24	42,49,61,62
Other hollow-ware of metal other than cans and metal boxes but including dishes, trays, moulds and similar articles						
Domestic (e.g. household, hotel, canteen, hospital)						
Of wrought steel (excluding tinplate)	..	618	..	668	7	49,50,62,72
Of tinplate	2,241	21	40,59,72,122
Of aluminium	..	1,528(e)	..			
Total domestic hollow-ware (other than vats, tanks and cisterns of wrought iron and steel)	..	2,146	..	2,908	..	
Other than domestic			Thousands			
New barrels, kegs and drums of all metals	..	783	6,475	2,756	13	72
Other non-domestic hollow-ware of iron and steel	..	284	0.8	176	5	41,42,62,71
Other non-domestic and unclassified hollow-ware	-	-	..	128	9	62,71
Total domestic and industrial hollow-ware	..	3,213	..	6,095	..	
Metal smallwares						
Knitting needles, knitting machinery elements, machine needles and pins other than safety pins (f)	..	1,289	..	1,221	6	45,49,71,124
Other metal smallwares	..	1,428	..	3,448	16	52,58,70,109
Other miscellaneous metal goods						
Agricultural and horticultural appliances, etc.	..	102	..	731	19	41,49,59,108
Art metalwork (including antique reproductions and other ornamental metal goods)						
Of iron and steel	..	85	..	167	8	40,50,60,126
Of other metals	113	*	40,50,64
Stoves and fires for domestic heating and for cooking; cooking and washing boilers (other than those wholly or mainly of cast iron) and parts therefor, and back boilers, hot water cylinders and calorifiers of copper	..	597	..	434	7	39,49,52,59
Builders' and cabinet makers' ironmongery and hardware, other than shop and office fittings, not elsewhere specified	..	532	..	495	11	39,49,70,108

TABLE 6 (continued)

	1958		1963			
	Quantity	Value	Quantity	Value	Entries	Principal industries in which produced (a)
Other miscellaneous metal goods (continued)		£'000		£'000	Number	
Catering equipment, and domestic utensils and appliances not elsewhere specified other than hollow-ware and electrical	..	107	..	2,384	14	39,49,50,59
Closures of metal for bottles, jars, cans and similar containers (excluding heavy grade steel closures, crown corks, covers for metal and composite containers and cork stoppers partially manufactured from metal)	..	1,210	..	613	17	49,71,72,113
Cold room and refrigerator cabinets and cold formed sections of steel	..	(g)	..	487	5	37,49,111
Doors of metal other than for strong rooms	..	645	..	567	17	47,50,52,126
Engineers' and mechanics' goods including fittings for water supply						
Domestic cocks and taps	..	1,686	..	1,265	18	40,49,52,64
Sanitary, bathroom and other steam and water fittings (except taps, valves and cocks)	..	1,729	..	6,071	16	40,49,63,124
Other kinds of engineers' and mechanics' goods	..	819	..	1,602	17	38,40,49,53
Fencing materials of iron and steel other than wire (e.g. gates, grilles, fences, standards, trellis)	5.7	641	6.1	920	23	37,47,50,71
Fire extinguishing apparatus (hand-operated chemical types only)	..	710	..	258	7	40,49
Studs and spikes, hooks, fasteners, and shackles not elsewhere specified	1.1	189	..	50	5	71
Ladders and steps of aluminium	..	(g)	..	64	5	49,62
Lamps (not electric) other than blow lamps and brazing lamps	..	81	..	33	*	43,49
Machinery and other guards of sheet metal	..	1,719(i)	0.4	83	18	42,49,50,71
Name plates, clock and other dials, instruction plates, etc.	..	165	..	324	8	49,58,60,124
Pallets and stillages of metal for use with industrial trucks	..	444	..	597	11	47,50,52
Parts of lighting and heating accessories	..	(g)	..	161	6	39,50,60,62
Parts and accessories of motor vehicles made from sheet metal not elsewhere specified (j)						
Bumpers	..	(c)	..	2,824	35	37,62,63,109
Fuel tanks	..	172	..	3,498	22	48,62,70,124
Other	..		..	652	7	47,49,50,62
Rolling shutters of steel	..	(g)	..			

Continued on next page

TABLE 6 (continued)

	1958		1963			
	Quantity	Value	Quantity	Value	Entries	Principal industries in which produced (a)
	Th. tons	£'000	Th. tons	£'000	Number	
Other miscellaneous metal goods (continued)						
Forgings, stampings and pressings not elsewhere specified						
Drop forgings of steel						
Of alloy steel	24.9	4,732	23.9	4,557	20	37,40,51,62
Other than of alloy steel	22.4	2,325	18.4	2,716	23	37,42,62,70
Unclassified	1.3	225	-	-	-	
Stampings and pressings of iron and steel which are the products of drop stamping and hot pressing	..	3,331	18.0	2,497	38	37,43,50,70
Pressings in sheet metal						
Of iron and steel	..		8.4	836	51	40,62,64,72
Of aluminium and aluminium alloys (k)	..	917	0.1	33	14	40,62,72
Of unclassified metals	..	151	..	721	11	43,49,58,60
Unspecified finished metal goods and parts	..	2,778(l)	..	2,582	17	62,70,71,118
Work done on commission, sub-contract work, etc.						
Metal finishing						
Galvanising				479	6	37,50
Japanning, lacquering or stove painting		483(m)		14	*	(n)
Plating		326(o)				
Proving chain cables and anchors				197	10	40,52,62,126
Unclassified work done		-				
Total		47,673		69,060	..	

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

(b) Production is widely distributed.

(c) Not recorded separately for 1958.

(d) So far as recorded separately.

(e) Described for 1958 as hollow-ware of aluminium, other than boxes or containers, not elsewhere specified.

(f) Described for 1958 as needles and pins (other than safety pins and hairpins).

(g) Included in unspecified finished metal goods and parts for 1958.

(h) Including saddlery hardware so far as recorded separately for 1958.

(i) Including lighters mechanical, complete with or without flint, and component parts not including flints for 1958.

(j) Other parts and accessories of motor vehicles are mainly recorded in the reports on the Motor Vehicle Manufacturing (Part 62) and Motor Cycle, Three-wheel Vehicle and Pedal Cycle Manufacturing (Part 63) industries.

(k) Described for 1958 as of other metals.

(l) Including studded-link chain cable and unstudded chains of iron and steel; shackles, swivel pieces, slips, etc. for use with chain cable, mooring, hauling or lifting gear; and anchors and grapnels and parts thereof.

(m) Including vitreous enamelling for 1958.

(n) No significant production was recorded in other industries.

(o) Including tinning for 1958.

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

	1958		1963	
	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000
Metal manufactures, other than principal products of the industry				
Of iron and steel				
Steel forgings other than drop forgings	34.2	3,863	7.2	1,427
Steel tubes and fittings	1.6	263	1.5	296
Iron castings, other than rolls for metal rolling mills and for machinery other than metal working	8.2	1,047	4.3	509
Steel castings other than rolls for metal rolling mills	..	588	..	1,011
Railway, etc. material	..	824	..	358
Other manufactures	..	..	..	793
Of aluminium and aluminium alloys				
Forgings and stampings	0.4	236	0.4	340
Other manufactures	..	821	..	1,596
Of brass and other copper alloys				
Drop stampings or hot pressings	2.9	1,586	3.5	996
Pressings in sheet metal	..	745	1.0	129
Other manufactures	..	..	..	975
Of copper	..	1,229	..	1,079
Of zinc	..	555	..	229
Of other metals and alloys	..	..	..	287
Mechanical engineering products				
Machinery, plant and appliances, including parts				
Agricultural machinery	..	618	..	271
Metal-working machine tools	..	154	..	217
Engineers' small tools and gauges	..	570	..	1,135
Textile machinery and accessories	..	178	..	156
Mechanical handling equipment	..	324	..	881
Space-heating, ventilating and air-conditioning equipment	..	1,117	..	997
Pumps	..	19	..	251
Industrial valves and cocks	..	1,050	..	2,639
Industrial plant	..	205	..	571
Office machinery	..	..	..	212
Mining machinery	..	4,924	..	419
Other	..	..	..	1,335
Fabricated iron and steel work	..	4,136	..	6,689
Arms, ammunition and naval, military and air force stores	..	209	..	770
Other mechanical engineering products	..	398	..	1,826
Scientific, surgical and photographic instruments and equipment				
Medical and surgical instruments	..	63	..	95
Aseptic hospital furniture	..	419	..	329
Other	..	(a)	..	244

Continued on next page

TABLE 7 (continued)

	1958		1963	
	Quantity	Value	Quantity	Value
Electrical engineering products including parts		£'000		£'000
Electrical machinery			..	334
Telegraph and telephone equipment			..	151
Electronic components			..	205
Electric appliances	..	948	..	1,459
Electric lighting fittings and accessories			..	356
Other electrical goods			..	440
Motor vehicles, complete, including parts and accessories of motor vehicles and cycles (b)	..	2,920	..	2,839
Aircraft parts and accessories	..	685	..	1,020
Non-mechanically propelled vehicles (except cycles) and parts	..	507	..	278
Agricultural, horticultural and other heavy edge tools	..	480	..	352
Other and unclassified tools and implements			..	1,308
Bolts, nuts, screws and rivets, etc. (c)	..	2,324	..	2,106
Wire and wire manufactures (d)	..	597	..	1,531
Cans and metal boxes made wholly or mainly from tinplate, blackplate or terneplate; tinned plates, sheets and strips, decorated, printed etc. sold in the flat or partially shaped, for boxes and other containers (e)	Th.tons			
	5.0	747	..	1,728
	..	1,688	..	
Cans and metal boxes wholly or mainly of aluminium	..	538	..	564
Goldsmiths' and silversmiths' wares	..	139	..	119
Furniture and upholstery, other than metal furniture	..	332	..	477
Composite containers of board and metal, etc., (including parts)	..	546	..	488
Metal toys	..	112	..	49
Plastic goods	..	750	..	2,581
Glass and manufactures of glass fibre			..	71
Builders' joinery			..	207
Shop and office fittings			..	337
Miscellaneous manufactures of wood and cork	..	4,306	..	652
Manufactures of paper and board			..	207
Brushes and brooms			..	954
Sports equipment			..	229
Other goods			..	3,012
Total goods sold		48,040		58,236
Building and civil engineering work carried out in Great Britain, including structural work and the erection and installation of air-conditioning, heating and ventilating plant (f)				
Work done as main contractors		440		885
Work done as sub-contractors		5,759		3,193
Total work done		6,199		4,079
Less estimated value of goods made by firms and separately recorded as sold which were used in the contract work		4,308		979
Total building and civil engineering work carried out exclusive of the value of goods made and used in the contract work		1,891		3,100

TABLE 7 (continued)

	1958		1963	
	Quantity	Value	Quantity	Value
		£'000		£'000
Other work done including repair work		624		254
Services rendered to other organisations (g)		..		1,139
Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored)	..	22,007	..	27,243
Canteen takings		984		1,362
Total		73,546(h)		91,332

(a) Included in other goods for 1958.

(b) Described for 1958 as parts and accessories of motor vehicles and cycles.

(c) Described for 1958 as bolts, nuts, screws and rivets etc. of iron and steel.

(d) Described for 1958 as manufactures of iron and steel wire.

(e) Described in 1958 as boxes and containers made wholly or mainly from tinplate, blackplate or terneplate.

(f) Described for 1958 as structural work carried out.

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

(h) Excluding amounts charged for 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.

The main purchasing industries of miscellaneous metal manufactures are listed in Table 9 of the report on Iron and Steel (General) (Part 37) together with the details of the quantity and value purchased by each industry.

TABLE 10 Purchases by larger firms in the industry, 1954 and 1963
Firms employing 25 or more persons: United Kingdom

	1954		1963	
	Quantity	Cost	Quantity	Cost
Materials for processing	Th. tons	£'000	Th. tons	£'000
Iron				
Pig iron, including refined pig iron and other irons for re-melting (a)	34.6	508	55.3	798
			..	250
Castings	19.0	1,514	18.1	2,144
	..	255		
Steel				
Ingots, blooms, billets, slabs, and sheet and tinplate bars	302	14,805	403	21,828
Bars and rods (including wire rods), angles, shapes and sections, girders, beams, joists and pillars rolled (not fabricated), including tube rounds and squares	350	15,184	547	32,044
Plates, 3 mm. thick and over	189	8,163	116	5,966
	..	1,196	184	11,520
Hoop and strip (including tape of all thicknesses)	448	21,855	607	38,296
Sheets under 3 mm. thick (including electrical sheets)	144	8,281	108	7,232
Tinplate, terneplate and blackplate	9.1	559	2.6	514
Forgings (except drop forgings)	..	81	..	245
Castings	0.7	55	12.4	403
	..	81	..	109
Iron and steel not elsewhere specified except finished parts, wire and scrap (c)				
Wrought tubes and fittings for wrought tubes (including welded, seamless, conduits, etc.)	4.6	259	17.5	1,342
	..	130	..	422
Other	80.9	4,190	26.6	2,870
			..	1,666
Light metals and non-ferrous metals in all forms except finished parts, wire and scrap (c)				
Aluminium and aluminium alloys				
Circles and strip	23.4	6,805	14.8	4,843
	..	997	29.2	10,480
Other				
Brass and other copper alloys (including nickel silver and cupro-nickel, but excluding all other nickel alloys)				
Castings in the rough	55.4	14,045	5.6	1,766
	..	4,381	..	303
Other			70.3	18,127
Copper (excluding blister) (d)	15.1	4,809	15.9	5,121
Lead and alloys of lead (excluding solder)	..	(b)	3.8	286
Zinc and alloys of zinc	34.3	3,010	35.4	3,142
Nickel and nickel alloys (excluding nickel silver and cupro-nickel)	..	(b)	2.6	1,626
			..	200
Tin (e)	19.6	563	7.2	344
	..	84	..	94
Scrap metal			Th. tons	
Aluminium and aluminium alloys	..	(f)	0.3	45
			..	47
Brass and other copper alloys (including nickel silver and cupro-nickel, but excluding all other nickel alloys)	1.6	264	9.0	1,149
Copper	0.5	91	0.9	197
			..	23
Other metals	157	1,134	28.8	374
			..	178

TABLE 10 (continued)

	1954		1963	
	Quantity	Cost	Quantity	Cost
Materials for processing (continued)	Th. tons	£'000	Th. tons	£'000
Wire (excluding insulated wire)				
Steel				
Single wire	79.5	4,861	97.3	8,123
Wire manufactures including stranded wire of two or more ply	4.0	247	2.0	405
	..	79	..	277
Aluminium and aluminium alloys	0.2	77	2.6	429
	..	9		
Brass and other copper alloys (including nickel silver and cupro-nickel, but excluding all other nickel alloys)	5.8	1,619	2.9	1,056
	..	216		
Copper	..	(b)	1.6	584
Lining compounds	..	223	..	321
Plating compounds	..	1,265	..	1,927
Frit	..	858	..	965
Paint and varnish (including lacquers and stains)	1,887	2,177	2,955	3,652
	..	621	Th. gal.	
			19.4	106
			..	401
Printers' inks	..	107	..	123
Heavy chemicals (acids, alkalis, alcohols, other inorganic and organic chemicals, compressed gases, etc.)	..		..	2,879
Synthetic resins and plastics materials (excluding leathercloth and reinforced plastics)				
Polyethylene, polypropylene and co-polymers				
Granules, moulding and extrusion compounds			18.1	225
			..	90
Sheet, rod, film, foil, profile shapes and monofilament			4.5	143
			..	38
Polyvinyl chloride (including co-polymers)	..	(b)		
Resins, solutions, emulsions, dispersions, moulding and extrusion compounds			4.8	54
			..	82
Plasticised and unplasticised sheet, film, rod, foil, tube, profile shapes and foam			6.4	127
			..	40
Polystyrene moulding and extrusion compounds			2.5	27
			..	27
Phenolics and cresylics: resins, solutions, emulsions, dispersions, moulding and extrusion compounds			8.4	89
Thermosetting polyesters (including epoxide resins and resin glass fibre mixtures)			2.4	33
			..	18
Plastic goods moulded and fabricated (including components and fittings)	..	70	..	2,638
Semi-manufactured products (e.g. needles in the plain)	..	427	..	2,407
Bolts, rivets, nuts and washers, screws, nails, tacks, etc.	..	2,746	..	4,624
Purchased components not elsewhere specified	..	17,704	..	25,088
Narrow fabrics of all materials (e.g. tape for zip fasteners)	..	650	..	1,070
Lubricating oils and greases (including cutting oils and emulsions)	..	(b)	Th. gal.	
			1,461	353
			Th. cwt.	
			10.7	30
			..	153

Continued on next page

TABLE 10 (continued)

	1954		1963	
	Quantity	Cost	Quantity	Cost
Materials for processing (continued)		£'000		£'000
Replacement parts for firms' own machinery, plant and vehicles, and accessories and consumable tools bought as replacement	..	6,609	..	7,854
All other materials for processing	..	23,774	..	28,883
Packaging materials				
Paper and board				
Boxes, cartons, packing cases, and drums and canisters (with or without metal ends) of paper, cardboard and fibreboard	..	1,869	..	4,212
Wrapping paper (including paper coated with plastics and any laminates incorporating paper but not metal), moulded pulp units, labels and other packaging materials of paper, cardboard and fibreboard (except multiwall sacks)	..	(b)	..	1,049
Timber				
Containers wholly or mainly of wood, including plywood boxes and drums, baskets and wickerwork crates	..	1,035	..	717
			Th.cu.ft.	
Timber (sawn or planed) for manufacture into packing cases, etc.	..	(b)	270	122
			..	142
Jute and hessian piece goods, sacks and bags	..	115	..	303
All other packaging materials	..	1,534	..	482
Fuel and electricity (g)	Th.tons		Th.tons	
Coal	325	1,303	181	1,003
Coke (including screenings) and manufactured fuel	166	976	68.9	643
			..	148
	Th.gal.		Th.gal.	
Derv fuel and motor spirit for use in road vehicles	5,455	1,119	5,874	1,186
			..	274
Other liquid fuels (including creosote/pitch mixtures, etc., and liquefied petroleum gases)	34,638	1,583	57,662	2,687
			..	408
	Th.therms		Th.therms	
Gas	42,632	2,286	67,561	3,632
	..	625	..	875
	Th.kWh		Th.kWh	
Electricity	540,258	2,907	809,093	4,827
	..	398	..	2,750
Total cost of materials and fuel		193,308		296,792
Goods purchased for merchanting		..		23,379
Canteen purchases		..		1,434
Total cost of purchases		..		321,605

(a) Described in 1954 as 'Pig iron'.

(b) Not recorded separately in 1954.

(c) 'Wire' was not excluded in 1954.

(d) 'Blister' was not excluded in 1954.

(e) Included 'Solder' in 1954.

(f) Included with 'All other materials for processing' in 1954.

(g) The total quantity of electricity generated in firms' own establishments in this industry was 3,928 Th.kWh in 1954 and 4,186 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.	7,217
Transport costs		
Wages and salaries	£'000	3,170
Derv fuel and motor spirit	"	1,460
Payments to other organisations for transport	"	8,536
Costs of operating road goods vehicles		
Insurance	"	250
Vehicle licences	"	385
Depreciation	"	1,247
Payments to other organisations for repairs and maintenance	"	780
Total	"	15,827

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

Firms employing 25 or more persons: United Kingdom

	Amounts payable
Repairs and maintenance to	£'000
Buildings	1,487
Road goods vehicles	780
Plant, machinery, and other capital equipment	3,193
Insurance, licensing and depreciation of road goods vehicles (b)	1,882
Rates, excluding water rates	4,266
Hire of plant and machinery	328
Postage, telephone, telegrams and cables	2,391
Total	14,325

(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:
United Kingdom

Year ended	Percentage of total number employed	Year ended	Percentage of total number employed
1963	Per cent.	1963 (contd.)	Per cent.
April (a)	2.9	November	1.1
May	1.6	December	48.8
June	5.2		
July	6.0	1964	
August	2.1	January	2.3
September	7.3	February	1.8
October	1.9	March	18.9
		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.

Notes - continued from page ii

Capital Expenditure (continued)

(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 sub-division 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.

Gross Output

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 year.

Larger Firms

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

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 packing 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

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 (merchanting 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.

Small Firms

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

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 report:

- .. 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 the totals shown.

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