

BOARD OF TRADE

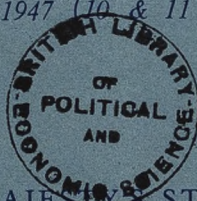
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*The Report on the
Census of Production
for 1954*

Volume 5: Industry E

HARDWARE, HOLLOW-WARE, METAL FURNITURE
AND SHEET METAL

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



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The Report on the Census of Production for 1954

VOLUME 5, INDUSTRY E

HARDWARE, HOLLOW-WARE, METAL FURNITURE AND SHEET METAL

THIS REPORT on the Hardware, Hollow-ware, Metal Furniture and Sheet Metal Industry relates to establishments engaged wholly or mainly in the manufacture of a large variety of finished metal goods including domestic and industrial hollow-ware, metal boxes and containers, metal furniture, metal windows and door frames, safes, locks, latches and keys. Most of the products proper to this industry are made of iron and steel, but in some cases non-ferrous metals form the main or sole materials; goods wholly of brass are, however, generally excluded.

Owing to the increasing proportion of gas appliances made from sheet steel instead of from cast iron, a number of establishments classified to the Iron Foundries Industry (Volume 3 Industry C) for 1948 and 1951 were re-classified for 1954 to this industry. In 1951 these establishments employed 9,024 persons and had a net output of £6,291,000.

This industry corresponds to minimum list headings 94 and 99 (1, 2, 3 and 7) in the Standard Industrial Classification.

LIST OF TABLES

Table No.	Title	Page	Table No.	Title	Page
1	Industry summary: estimates for the industry as a whole	5/E/3	6	Sales of principal products of the industry by establishments classified to other industries	5/E/11
2	Summary of returns received	5/E/3	7	Sales in the industry of other than principal products	5/E/14
3	Analysis by size, 1954	5/E/4	8	Total make of intermediate products	Does not apply
4	Analysis according to specialisation within the industry, 1954	5/E/4	9	Purchases of materials and fuel, 1954	5/E/15
5	Sales of principal products of the industry, including sales of these products by establishments classified to other industries	5/E/5	10	Average number of employees and wages, salaries and superannuation payments	5/E/18
			11	Employment in a specified week	5/E/18

IMPORTANT NOTES and definitions appear on the next page. In interpreting the data in the tables, it is essential to bear these in mind.

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42
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The following notes describe terms in general use in the tables of the report. More detailed explanations of the terms used and a description of the scope and method of taking the census are given in the separate booklet entitled 'The Report on the Census of Production for 1954 - Introductory Notes' (price 1s. 6d. net).

Industrial Classification: Establishments are classified to industries according to the nature of their output and, as far as possible, in conformity with the Standard Industrial Classification. Certain products are identified as the principal products of individual industries, the principal products for a given industry being of a similar nature or commonly associated in production. The principle of classification normally followed is that an establishment is classified to an industry if its output of the principal products of that industry accounted for a greater proportion of the value of its output than did its output of the principal products of any other industry.

Specialist producers normally comprise those establishments 50 per cent. or more of whose total output by value is accounted for by the characteristic products of the specialist group.

Intermediate products: For some industries figures are given showing the total quantities made during the year of intermediate products, i.e., products which may be further processed in the establishments in which they are produced.

Larger establishments: The information given in the report relates mainly to 'larger establishments', i.e., establishments of firms employing on the average more than 10 persons. In most cases an establishment comprises the whole of the premises under the same ownership or management at a particular address (e.g., a mine or factory). Offices, warehouses, laboratories and other ancillary places of business situated apart from the producing works are not regarded as separate establishments and are included in the return for the works.

Small firms are those employing on the average 10 or fewer persons.

The estimates for the industry as a whole given in Table 1 are normally obtained by increasing the other items shown in the same proportion as total employment.

Gross output (production) is the total value of goods made and other work done during the year: it is obtained by adjusting the value of sales and work done during the year for changes in the value of stocks of products on hand for sale and work in progress.

Net output is the amount left after deducting from the value of gross output the aggregate of the cost of materials and fuel used, the amount paid for work given out, and, for 1951 and 1954, any transport payments made. This represents the value added to materials by the process of production, and 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.

Sales means sales during the year of goods made in the establishment covered by the return or made on commission for it, whether produced in the year or not. The value of sales is the net selling value, i.e., the amount charged to customers, whether on an ex-works or delivered basis, and net of any trade discounts, agents' commissions, allowances for returnable cases, purchase tax, etc. For goods charged on a delivered basis to customers overseas, firms were required to give the f.o.b. value.

Materials and fuel: The total cost of materials and fuel purchased includes all purchases during the year of materials for use in production, and of fuel (includ-

ing oil, gas and electricity) for all purposes; packing materials, including the full cost of returnable cases when first purchased; workshop and office materials; water charges; materials for repairs to buildings, plant and vehicles when carried out by firms' own work-people included in their returns; consumable tools; and parts for machinery purchased as replacements. Purchases of goods for merchanting are excluded. The cost of materials and fuel used, given in Table 2, is obtained by adjusting purchases for changes during the year in the value of stocks.

Stocks: Firms were required to give stocks of materials and fuel, products on hand for sale, and work in progress, at income tax values.

Customs and Excise Duty paid on materials purchased is normally included in the cost of materials. Finished goods are similarly valued as they were sold, duty-paid or duty-free. The net amount of any duty paid is deducted in arriving at net output.

Employment: Total employment includes working proprietors, administrative, technical and clerical employees, and operatives, but excludes outworkers, canteen employees and persons engaged in merchanting or any other activity not covered by a firm's return, who are shown separately as excluded employees. Employees are persons on the pay-roll (i.e., persons whose National Insurance cards were held by employers), whether employed full-time or part-time.

Working proprietors are proprietors of businesses other than limited companies, together with members of their families who worked in the business without receiving fixed wages or salaries. Any persons working less than half the normal hours are excluded. For Northern Ireland directors of limited companies (other than those paid by fee only) are also included.

Administrative, technical and clerical employees include directors, other than those paid by fee only (except in Northern Ireland); 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, i.e., broadly speaking, all manual workers.

Outworkers are persons employed by the firm who work on materials supplied by the firm in their own homes.

Wages and salaries include all overtime payments, bonuses and commissions without any deductions for income tax, insurances, contributory pensions etc. They exclude payments to working proprietors.

Capital expenditure includes expenditure on new building work, and on plant, machinery and vehicles, charged to capital account during the year, including any transport and installation costs involved. It includes expenditure in respect of establishments in Great Britain which had not begun production before the end of the year (which has not previously been included in the Census of Production reports for individual industries).

Symbols used:

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

Where figures are rounded, e.g., given to the nearest £ thousand, there may be apparent slight discrepancies between the sums of constituent items and the totals shown. In some cases, figures have been combined with others of a similar nature where publication of separate details might disclose information relating to an individual undertaking.

Industry summary

Estimates for the industry as a whole

TABLE 1

	United Kingdom			Scotland 1954	Wales 1954
	1948	1951	1954		
	£ million	£ million	£ million	£ million	£ million
Gross output (production)	198.2	266.6	353.7	12.43	23.42
Net output	96.7	119.0	158.8	5.41	8.01
Total stocks and work in progress					
At beginning of year	32.3	36.4	56.0	2.34	4.20
Change during year	+ 3.5	+ 9.2	+ 5.3	+ 0.42	+ 0.03
Capital expenditure less disposals (a)	5.7	7.2	10.8	0.26	0.73
Wages and salaries	56.6	67.0	92.0	3.46	4.57
Total employment (including working proprietors)	Thousands	Thousands	Thousands	Thousands	Thousands
	193.2	193.4	216.9	8.25	11.80

(a) Capital expenditure on new building work, plant, machinery and vehicles (including (except in 1948) that incurred in Great Britain for establishments not yet in production), less amounts received for plant, machinery and vehicles disposed of.

Summary of returns received

TABLE 2

	Unit	Great Britain 1948	United Kingdom	
			1951	1954
FIRMS EMPLOYING ON AVERAGE MORE THAN 10 PERSONS				
Number of establishments	No.	1,951	2,073	2,090
Total value of sales and work done	£'000	180,454	243,927	322,524
Products on hand for sale	"	9,965	13,083	20,147
and work in progress	"	+ 1,709	+ 1,707	+ 2,344
Gross output (production) (a)	"	179,832	245,635	324,868
Purchases of materials and fuel	"	90,774	134,609	169,409
Stocks of materials and fuel	"	19,386	20,421	31,298
change during year	"	+ 1,480	+ 6,740	+ 2,507
Cost of materials and fuel used	"	89,295	127,869	166,902
Payment for work done on materials given out	"	2,560	3,285	5,663(b)
Excise duty on mechanical lighters	"	208	410	
Payment for transport (c)	"	2,332	4,429	6,486
Net output	"	87,770	109,641	145,817
Average number of employees	No.	148,380	149,021	164,587
Total employment (e)	"	26,508(d)	28,778	34,314
Net output per person employed (e)	£	175,297	178,169	199,202
		501	615	732
Wages and salaries	£'000	39,943	46,692	64,191
Capital expenditure	"	11,448	15,063	20,275
New building work (f)	"	1,188	1,383	2,327
Plant and machinery	"	3,703	4,636	6,541
disposals	"	339	501	385
Vehicles	"	690	1,219	1,573
disposals	"	113	273	433
FIRMS EMPLOYING ON AVERAGE 10 OR FEWER PERSONS				
Number of returns	No.	2,509	2,438(g)	2,496
Total employment, including working proprietors	"	13,800	13,381(g)	13,681

(a) For the year 1948 gross output excludes payments for transport services outwards on finished goods sold. For subsequent years gross output includes payments to other firms and undertakings and to firms' own separate transport organisations for transport services.

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

(c) Payments to other firms and undertakings and to firms' own separate transport organisations. For the year 1948 payments cover only transport outwards of finished goods sold. For subsequent years they cover payments for transport of both finished goods sold and materials and fuel purchased.

(d) Number in week ended September 25, 1948.

(e) Excluding outworkers and including working proprietors.

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

(g) Excluding Northern Ireland. No information about small firms was collected in Northern Ireland for 1951.

Analysis by size, 1954

Larger establishments in the United Kingdom

TABLE 3

Average number employed (a)	Estab-lish-ments	Gross output	Net output	Employees		Wages and salaries		Capital expenditure (b)	Net output per person employed (a)
				Operatives	Others	Operatives	Others		
	Number	£'000	£'000	Number	Number	£'000	£'000	£'000	£
11 - 24 (c)	663	14,304	7,899	9,326	1,766	3,694	1,053	519	703
25 - 49	612	29,026	15,032	18,006	3,216	7,040	2,029	997	704
50 - 99	405	40,974	20,290	23,849	4,262	9,240	2,788	1,375	721
100 - 199	202	44,398	21,266	23,575	4,669	9,151	2,918	1,279	753
200 - 299	71	27,273	12,807	14,392	2,730	5,655	1,649	901	748
300 - 399	35	19,705	8,175	9,736	2,043	3,705	1,166	607	694
400 - 499	25	22,052	8,920	9,252	2,033	3,750	1,145	937	790
500 - 749	35	40,942	16,914	17,874	3,955	6,987	2,278	1,327	775
750 - 999	19	22,374	9,565	13,407	2,391	4,687	1,377	722	605
1,000 - 1,499	14	32,624	12,422	12,393	3,641	4,928	1,888	867	775
1,500 - 1,999	6	15,757	6,938	8,209	1,887	3,310	1,010	341	687
2,000 - 2,499	3	15,441	5,589	4,568	1,721	2,044	974	569	889
Total	2,090	324,868	145,817	164,587	34,314	64,191	20,275	10,441	732

(a) Excluding outworkers and including working proprietors.

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

(c) Including a small number of establishments with fewer than 11 persons employed, particulars of which were included with those for larger establishments in a single return.

Analysis according to specialisation within the industry, 1954

Larger establishments in the United Kingdom

TABLE 4

	Unit	Specialist producers of				
		Metal furniture	Safes	Locks, latches and keys	Metal door and window frames	Metal boxes and containers
Number of establishments	No.	141	9	52	45	108
Total value of sales and work done	£'000	20,129	1,438	6,003	14,010	56,340
Sales of characteristic products	"	16,959	1,140	5,071	11,807	48,420
Products on hand for sale	"	1,792	212	542	1,603	2,889
and work in progress	"	+ 176	+ 41	+ 36	+ 99	+ 423
Gross output (production)	"	20,305	1,479	6,039	14,109	56,762
Purchases of materials and fuel	"	10,425	435	2,250	6,756	38,150
Stocks of materials and fuel	"	2,239	167	488	1,509	5,466
change during year	"	+ 380	+ 16	+ 77	+ 10	- 192
Cost of materials and fuel used	"	10,045	419	2,173	6,747	38,342
Payment for work done on materials given out	"	268	(c)	(c)	242	375
Excise duty on mechanical lighters	"	-	-	-	-	-
Payment for transport	"	425	(c)	(c)	266	1,670
Net output	"	9,567	1,025	3,710	6,855	16,376
Average number of employees	No.	9,813	809	5,273	6,607	23,030
operatives	"	2,426	207	776	2,585	3,995
others	"	12,252	1,016	6,064	9,193	27,043
Total employment (d)	"	781	1,009	612	746	606
Net output per person employed (d)	£					
Wages and salaries	£'000	4,253	410	1,744	3,190	6,756
of operatives	"	1,355	137	418	1,385	2,337
of others	"					
Capital expenditure	"					
New building work (e)	"	85	(c)	(c)	97	402
Plant and machinery	"	285	31	86	226	1,880
disposals (e)	"	4	(c)	1	7	(c)
Vehicles	"	107	3	23	72	131
disposals	"	32	1	8	15	17

(92291)

(continued on next page)

TABLE 4 (contd.)

	Unit	Specialist producers of		Specialists in the finishing of metal goods (a)	Remainder of the industry	Total
		Domestic hollow-ware	Barrels, kegs and drums			
Number of establishments	No.	118	48	447	1,122	2,090
Total value of sales and work done	£'000	19,033	14,549	20,672	170,349	322,524
Sales of characteristic products	"	15,556	13,515	19,194(b)		
Products on hand for sale	"	1,408	162	453	11,087	20,147
and work in progress	"	+ 228	+ 68	+ 42	+ 1,232	+ 2,344
Gross output (production)	"	19,261	14,617	20,714	171,581	324,868
Purchases of materials and fuel	"	9,796	9,147	6,256	86,193	169,409
Stocks of materials and fuel	"	2,186	1,914	957	16,372	31,298
change during year	"	+ 95	+ 73	+ 75	+ 1,973	+ 2,507
Cost of materials and fuel used	"	9,701	9,073	6,181	84,220	166,902
Payment for work done on materials given out	"	221	86	780		
Excise duty on mechanical lighters	"	-	-	-	3,603(c)	5,663
Payment for transport	"	384	380	219	3,041	6,486
Net output	"	8,955	5,078	13,534	80,717	145,817
Average number of employees	No.	11,636	4,668	15,714	87,037	164,587
operatives	"	1,765	740	2,674	19,146	34,314
others	"	13,419	5,416	18,463	106,336	199,202
Total employment (d)	"	667	938	733	759	732
Net output per person employed (d)	£					
Wages and salaries	£'000	4,094	1,896	6,838	35,009	64,191
of operatives	"	982	483	1,680	11,498	20,275
of others	"					
Capital expenditure	"					
New building work (e)	"	118	115	139	1,316	2,327
Plant and machinery	"	261	258	455	3,060	6,541
disposals (e)	"	7	11	17	189	385
Vehicles	"	102	96	226	814	1,573
disposals	"	39	9	72	241	433

(a) Including galvanising, japanning, laquering, enamelling, tinning and plating.

(b) Amount charged.

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

(d) Excluding outworkers and including working proprietors.

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

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

Larger establishments in the United Kingdom

TABLE 5

	1951		1954		Entries
	Quantity	Value	Quantity	Value	
Furniture of metal and parts thereof, other than aseptic hospital furniture (a)	Th. tons	£'000	Th. tons	£'000	Number
Bedsteads and parts thereof (including finished tubes therefor)	16.3	1,434	9.7	1,168	39
	..	588	..	853	
Storage cupboards, shelving and racking and clothing lockers	23.0	3,145	30.9	3,757	131
	..	499	..	1,625	
Cabinets (including filing and card index cabinets and plan files) and parts thereof	15.3	3,101	9.5	1,910	82
	..	..	..	1,343	
Tables and desks	Th. Th. tons		Th. Th. tons		68
	52 2.9	674	46 2.7	681	
	36 ..	97	43 ..	285	
	.. 1.0	172	.. 0.1	30	
	- -	-	.. ..	288	
Seating (except pedestal chairs with reclining movement)	Th. tons		Th. tons		32
	..	1,788	..	2,249	
Hearth furniture (e.g., fireguards, coal boxes, etc.) but excluding fireguards, sparkguards and cinder sifters mainly of wire (b)	..	910	..	899	44

(92291)

TABLE 5 (contd.)

	1951		1954		
	Quantity	Value	Quantity	Value	Entries
Furniture of metal and parts thereof, other than aseptic hospital furniture (a) (contd.)	Th.tons	£'000	Th.tons	£'000	Number
Kitchen and bathroom furniture, not elsewhere specified (e.g., units, sinks)	4.0	1,718	5.1	1,656	36
Other metal furniture (including industrial sundries) and parts, not elsewhere specified	..	748	..	2,013	
Unclassified	11.5	2,335	7.7	1,606	177
Wire mattresses	..	1,500	..	3,016	
Safes	..	494	..	721	20
Metal or metal framed, over 1,000 cubic inches, with one or more metal walls over 1/4 inch gauge	14.9	1,227	13.2	1,344	
Other safes and insulated safe equipment	..	1,754	..	1,887	69
Strong rooms, strong room doors, safe equipment and night safes	Th. Th.tons		Th. Th.tons		
Trunks, suit cases, etc., of sheet iron or metal	5	2.7	5	1.7	11
Cash and deed boxes	..	379	..	0.5	
Locks, latches, keys and blanks, including parts of locks	Th.tons		Th.tons		
Padlocks	4	595	3.6	524	11
Locks for trunks, travelling bags, suit cases and attache cases, other than padlocks	2.4	448	2.5	672	
Locks for furniture	0.8	156	0.4	85	14
Rim locks, mortice locks, cylinder latches, and other similar locks for buildings, with or without handles	..	23	..	114	
Other locks and latches, parts of locks and latches, and keys and key blanks	0.3	125	0.2	55	28
Other locks and latches, parts of locks and latches, and keys and key blanks	..	23	..	99	
Bolts and hasps and blanks and parts thereof, of metal including all nickel alloys (except nickel silver), but excluding brass and other copper alloys (c)	Th. doz. Th.tons		Th.do.		
Door and window frames and casements	451	0.8	531	878	34
Of iron and steel	212	..	384	..	
Of other metals	1,435	0.8	1,992	643	13
Metal furnishings for doors and windows (c)	680	0.5	411	506	
Metal doors other than for strong rooms	213	..	288	..	26
Boxes and containers made wholly or mainly from tinplate, black plate or terne plate, not elsewhere specified (d) (e)	432	3.4	584	1,843	
Complete	308	..	..	313	33
Open top hermetically sealed	Th.tons		Th.tons		
Other	0.8	547	..	1,557	48
For food	..	351	..	..
For other products	1.0	186	0.9	185	16
Covers and other components, sold separately	..	130	..	56	
Unclassified	1.0	186	0.9	185	16
Unclassified	..	130	..	56	
Door and window frames and casements	99.2	12,661	82.3	13,192	107
Of iron and steel	..	..	..	815	
Of other metals	1.5	725	1.4	1,094	27
Metal furnishings for doors and windows (c)	..	310	..	173	
Metal doors other than for strong rooms	16.4	3,486	4.3	1,626	59
Boxes and containers made wholly or mainly from tinplate, black plate or terne plate, not elsewhere specified (d) (e)	..	903	..	2,532	
Complete	2.7	513	4.1	609	34
Open top hermetically sealed	..	243	..	243	
Other	91.6	10,382	142.2	17,251	28
For food	63.8	8,101	67.6	9,966	
For other products	74.5	11,304	89.2	14,248	159
Covers and other components, sold separately	..	4,647	..	3,556	
Unclassified	4.4	486	5.3	717	12
Unclassified	..	715	..	114	

(92291)

TABLE 5 (contd.)

	1951		1954		
	Quantity	Value	Quantity	Value	Entries
Boxes and containers, wholly of aluminium (d)	Th.tons	£'000	Th.tons	£'000	Number
Complete	7.8	3,580	3.2	1,849	80
Covers and other components, sold separately	..	992	..	1,300	
Hollow-ware of wrought iron and steel for domestic purposes, not elsewhere specified, other than boxes and containers but including dishes, trays, moulds and similar articles	..	386	..	1,514	21
Not enamelled, tinned or galvanised	4.1	592	1.0	170	
Enamelled	..	60	..	201	31
Kettles (other than electric kettles)	Th. doz. Th.tons		Th. doz. Th.tons		
Saucepans and stewpans	33	0.5	44	..	6
Other	30	..	..	137	
Galvanised	173	2.4	238	3.6	9
Tanks and cisterns	71	..	..	473	
Dustbins	..	160	..	103	35
Buckets	Th.tons		Th.tons		
Other	12.6	2,599	14.6	2,653	45
Other	..	554	..	1,553	
Tinned or of tinplate	19.9	2,209	29.5	3,203	60
Kettles (other than electric kettles)	Th. doz. Th.tons		Th. doz. Th.tons		
Saucepans and stewpans	53	5.1	92	8.3	43
Other	16	..	62	..	
Other	..	73	..	0.3	54
Other	457	8.3	187	3.7	
Other	130	..	214	..	75
Other	..	272	..	481	
Other	Th.tons		Th.tons		
Other	6.1	877	8.0	768	14
Other	..	132	..	185	
Other	Th.do.		Th.do.		
Other	88	92	68	68	41
Other	..	28	..	..
Other	34	114	..	1,581	75
Other	..	1,544	..	..
Hollow-ware of wrought iron and steel (including dishes, trays, moulds and similar articles) for other purposes including industrial	Th. Th.tons		Th. Th.tons		
Barrels, kegs and drums (including tinplate, terne plate and galvanised drums)	12,643	33.0	10,627	27.2	41
Of a capacity not exceeding 5 gallons	1,983	..	5,171	..	
Of a capacity over 5 gallons	..	..	..	0.3	45
Reconditioned kegs and drums of wrought iron and steel (f)	7,515	77.9	7,629	94.7	
Vats, tanks and cisterns	..	..	1,847	..	19
Galvanised	..	..	..	1.0	
Other	..	..	295	6.0	42
Unclassified	807	..	432	..	
Galvanised	..	..	..	0.4	53
Other	..	414	..	..
Other	Th.tons		Th.tons		
Unclassified	5.1	575	5.9	789	91
Unclassified	..	199	..	619	
Unclassified	6.1	975	7.7	1,190	42
Unclassified	..	235	..	291	
Unclassified	3.0	352	2.3	291	42
Unclassified	..	223	..	101	

(92291)

TABLE 5 (contd.)

	1951		1954		
	Quantity	Value	Quantity	Value	Entries
	Th. tons	£'000	Th. tons	£'000	Number
Hollow-ware of wrought iron and steel (including dishes, trays, moulds and similar articles) for other purposes including industrial (contd.)					
Churns for the conveyance of milk	3.2	502	2.8	423	..
Other sorts, not elsewhere specified					
Galvanised	4.8	513	3.0	412	} 30
..	..	90	..	159	
Tinned or of tinplate	1.4	332	3.4	587	} 30
..	..	119	..	149	
Other	8.3	1,352	4.5	729	} 77
..	..	492	..	540	
Unclassified	4.6	624	7.9	383	} 50
..	..	..	..	1,464	
Hollow-ware of wrought iron and steel unclassified	0.2	36	-	-	
..	..	29			
Hollow-ware of aluminium, other than boxes or containers, not elsewhere specified					
For domestic purposes					
	Th. doz.		Th. doz.		
Kettles (other than electric kettles)	276	705	303	811	} 28
..	..	140	..	263	
Saucepans and stewpans	408	1,241	368	1,191	25
Pressure cookers	36	1,090	39	1,288	9
..	..	1,035	..	..
Other	..	2,772	..	3,355	66
Vats, tanks, etc., for other purposes including industrial	0.4	279	1.2	579	} 32
..	..	..	..	278	
Unclassified	..	463	..	427	7
Metallic closures 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)					
	Mh.	Th. tons	Mh.	Th. tons	
Aluminium capsules	478	0.5	352	0.3	} 11
..	575	..	..	..
..	..	75	..	..
Lead capsules	95	0.6	65	0.4	} 5
..	161	..	131	..	
..	..	..	..	..	4
Black plate and tinplate closures	1,129	7.6	1,437	5.6	} 40
..	..	..	321	..	
..	..	209	..	..
Other metallic closures	1,569	5.9	513	4.3	} 24
..	..	..	309	..	
..	..	..	..	1.2	
Crown corks	6,364	20.1	7,244	25.6	4,701
Hinges, hinge blanks and parts therefor, of metal (including all nickel alloys (except nickel silver) but excluding brass and other copper alloys) (c)	11.5	1,294	10.5	1,309	} 44
..	..	315	..	335	
Cooking and washing boilers (other than cast iron) and parts therefor	4.9	1,257	4.8	1,162	} 31
..	..	1,872	..	2,366	
Lamps and lanterns (c)					
	Th.		Th.		
Hurricane lamps	2,145	454	..	646	5
Other lamps and lanterns (excluding brazing lamps, motor and cycle lamps)	961	340	1,171	387	} 45
..	..	264	..	362	

TABLE 5 (contd.)

	1951		1954		
	Quantity	Value	Quantity	Value	Entries
	Th. tons	£'000	Th. tons	£'000	Number
Stoves and fires for domestic heating and for cooking (other than cast iron and industrial) and parts therefor (g)					
For coal and other solid fuel	4.0	402	4.3	499	} 26
..	..	248	..	291	
For gas	23.1	5,177	58.9	16,879	} 38
..	..	1,403	..	3,488	
For electricity (excluding electric fires) (h)	1.3	225	2	90	} 12
..	..	..	..	193	
For liquid fuel (other than pressure burner types) (i)	4.0	1,501	4.3	2,129	} 19
..	..	418	..	1,746	
Heating or lighting equipment, fittings, etc., of sheet metal (j)	1.7	279	3.5	644	} 92
..	..	398	..	937	
Fire extinguishing apparatus (c)	2.6	1,033	1.4	633	} 27
..	..	2,324	..	3,617	
Domestic utensils and appliances, not elsewhere specified	1.1	405	3.6	1,605	} 83
..	..	2,345	..	1,915	
Poultry appliances	4.0	862	2.9	541	} 39
..	..	437	..	384	
Agricultural and horticultural appliances, not elsewhere specified	7.7	920	8.2	1,219	} 122
..	..	987	..	1,002	
Catering equipment, not elsewhere specified	1.4	654	1.1	391	} 120
..	..	1,438	..	1,938	
Machinery guards of sheet metal	2.7	530	2.7	504	} 188
..	..	494	..	568	
Lighters, mechanical, other than of precious metals or plastic materials					
Complete (with or without flint)	Th.	2,885	Th.	3,042	11
Component parts, not including flints	..	31	..	235	7
Tinned plates, sheets and strips, decorated, printed, etc., sold in the flat or partially shaped, for boxes and other containers	29.2	1,967	52.1	3,877	31
Vitreous or stove enamelled 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 vitreous or stove enamelled signs of all kinds	2.1	621	0.9	346	} 38
..	..	543	..	678	
Expanded metal of iron or steel and other iron and steel reinforcements, for concrete (k)	18.7	1,290	18.7	1,485	9
Perforated metal not elsewhere specified					
Of iron and steel	9.3	1,137	8.6	1,313	20
Of other metals	1.4	277	1.4	225	} 13
..	..	..	..	185	
Steel wool and steel shavings	2.2	534	2.8	1,078	} 5
..	..	..	..	34	
Builders' ironmongery and hardware, not elsewhere specified	17.6	2,279	12.9	1,669	} 119
..	..	659	..	1,162	
Cabinet makers' goods of iron and steel not elsewhere specified (f)	4.5	797	1.1	251	} 9
..	..	440	..	156	
Cabinet makers' goods other than of iron or steel or brass, not elsewhere specified (c) (f)	0.3	148	0.2	150	} ..
..	..	129	..	226	
Art metal work of iron and steel (f)	0.4	202	0.5	159	} 19
..	..	458	..	620	
Cold formed sections of steel (f)	26.5	2,158	22.6	2,127	} 19
..	..	777	..	1,220	
Cold formed sections of aluminium or aluminium alloys (f)	0.4	72	..	145	7
..	..	110	..	..
Cold room and refrigerator cabinets of steel, etc. (f)	0.3	76	0.1	29	} 5
..	..	434	..	72	

TABLE 5 (contd.)

	1951		1954		Entries
	Quantity	Value	Quantity	Value	
Castors (industrial) of metals other than brass (c) (f)	Th.cwt. 12.1 ..	£'000 152 124	Th.cwt. 29.8 ..	£'000 312 811	10
Stampings or pressings in the rough or machined, not elsewhere specified	Th.tons 115.2 ..	15,099 4,924	Th.tons 171.6 ..	19,661 8,748	572
Of iron and steel					
Of other metals (including all nickel alloys (except nickel silver) but excluding brass and other copper alloys) (c)	3.2 ..	1,644 892	2.2 ..	1,220 1,833	179
Aluminium ladders and steps (f)	0.4 ..	255 80	0.4 ..	233 222	5
Nameplates and the like (f)			0.1 ..	117 222	16
Of aluminium	..	147	..	129	8
Of other metals, except brass	-	-	..	192	5
Unclassified					
Manufactures of iron and steel, not elsewhere specified	34.9 ..	4,279 3,770	31.3 ..	3,787 8,192	453
Manufactures of copper not elsewhere specified	Th.cwt. 96.6 ..	2,155 933	Th.cwt. 42.1 ..	1,087 2,626	44
Boilers and cylinders	..	..	..	..	..
Bathroom and sanitary fittings	17.1 ..	527 632	9.8 ..	212 432	19
Other	3.2 ..	99 695	5.4 ..	212 666	93
Manufactures of other metals (except brass), not elsewhere specified (c)	..	348	..	214	..
Jobbing ironmongery and repair work (1)		1,307		1,636	175
Work done for the trade or on commission (1)					
Galvanising		3,624		3,774	102
Japanning, lacquering or enamelling		3,632		4,021	165
Tinning		512		475	55
Plating		8,090		10,025	327
Other work		3,384		6,298	322
Total		238,370		310,275	..
Sales in other industries (see Table 6)		22,926		25,203	..
Principal products of this industry sold by establishments in the industry		215,444		285,072	1,913

- (a) For aseptic hospital furniture see the Scientific, Surgical and Photographic Instruments, etc. Industry (Volume 5, Industry H).
- (b) For fireguards, sparkguards and cinder sifters, mainly of wire see the Wire and Wire Manufactures Industry (Volume 5, Industry D).
- (c) For goods of brass see the Brass Manufactures Industry (Volume 5, Industry F).
- (d) Excluding composite containers for which see the Cardboard Box, Carton and Fibre-board Packing Case Industry (Volume 10, Industry H).
- (e) In addition to the sales shown, the following quantities of tin boxes and containers are recorded as having been made for their own use by firms making returns in the following industries:
- | | 1951 | 1954 |
|---|---------|---------|
| | Th.tons | Th.tons |
| Milk Products Industry | 5.4 | 16.4 |
| Cocoa, Chocolate and Sugar Confectionery Industry | 4.1 | |
| Sugar and Glucose Industry | 28.1 | 34.2 |
| Biscuit Industry | | |
| Preserved Fruit and Vegetables Industry | | |
| Miscellaneous Preserved Foods Industry | - | |
- (f) So far as recorded separately.
- (g) For cast iron stoves see the Iron Foundries Industry (Volume 3, Industry C).
- (h) For electric fires and parts see the Electrical Engineering (General) Industry (Volume 4, Industry K).
- (i) For pressure burner type stoves see the Brass Manufactures Industry (Volume 5, Industry F).
- (j) For ventilators, pipes, hoods and cowls see the Mechanical Engineering (General) Industry (Volume 4, Industry I).
- (k) Excluding wire netting reinforcement and wire rods purchased and fabricated for concrete reinforcement, for which see the Wire and Wire Manufactures Industry (Volume 5, Industry D).
- (1) Amount charged.
(92291)

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

Larger establishments in the United Kingdom

TABLE 6

	1954			Principal industries in which produced (a)
	Quantity	Value	Entries	
	Th.tons	£'000	Number	
Furniture of metal and parts thereof, other than aseptic hospital furniture				
Bedsteads and parts thereof (including finished tubes therefor)	1.6 ..	126 131	6	3E, 3I, 4I, 10B
Storage cupboards, shelving and racking, and clothing lockers	0.5 ..	83 397	14	3I, 4F, 4I, 4K
Cabinets (including filing and card index cabinets and plan files) and parts thereof	..	539	8	3I, 4I, 5H, 10I
Tables and desks				
Seating (except pedestal chairs with reclining movement)	..	477	7	3I, 4I, 11D
Hearth furniture (e.g. fireguards, coal boxes, etc.) but excluding fireguards, spark guards and cinder sifters mainly of wire	..	29	..	5F
Kitchen and bathroom furniture, not elsewhere specified (e.g. units, sinks)	0.1 ..	44 319	5	3C, 3G, 3I, 4I
Other metal furniture (including industrial sundries) and parts, not elsewhere specified	0.7 ..	124 1,309	42	3I, 4F, 4I, 10C
Unclassified	..	721	20	
Wire mattresses	1.3 ..	113 1,733	52	4I, 5D, 10C, 10D
Safes and insulated safe equipment (other than metal or metal framed safes, over 1,000 cubic inches, with one or more metal walls over 1/4 inch gauge); and cash and deed boxes	..	29	..	4I, 5F
Locks, latches, keys and blanks, including parts of locks	Th.do.			
Locks for trunks, travelling bags, suit cases and attache cases, other than padlocks	..	71	8	3I, 5F, 5J, 11D
Other locks and latches, parts of locks and latches and keys and key blanks				
Door and window frames and casements	Th.tons			
Of iron and steel	2.2 ..	525 241	41	4B, 4F, 4I, 12A
Of other metals	0.2 ..	167 45	6	3K, 4F, 4I
Metal furnishings for doors and windows	..	275	9	3G, 3I, 4C, 4G
Metal doors other than for strong rooms	2.8 ..	297 96	11	1L, 3G, 4F, 4I
Boxes and containers made wholly or mainly from tinsplate, black plate or terne plate, not elsewhere specified				
Complete				
Open top hermetically sealed				
Other	0.8	213	12	3I, 8C, 8D, 8H
For food				
For other products	..	1,598	12	3I, 4I, 4H, 10E
Covers and other components sold separately				
Unclassified	..	142	5	
Boxes and other containers wholly of aluminium				
Complete				
Covers and other components sold separately	..	358	9	3G, 3K, 4I, 4K
Hollow-ware of wrought iron and steel for domestic purposes, not elsewhere specified, other than boxes and containers but including dishes, trays, moulds and similar articles				
Enamelled and tinned or of tin plate, other than kettles, saucepans and stewpans	..	49	8	3C, 4C, 11I

(92291)

TABLE 6 (contd.)

	1954			Principal industries in which produced (a)
	Quantity	Value	Entries	
Hollow-ware of wrought iron and steel for domestic purposes, not elsewhere specified, other than boxes and containers but including dishes, trays, moulds and similar articles (contd.)	Th.tons	£'000	Number	
Galvanised tanks and cisterns, dustbins and buckets	0.7	34	..	3I, 4I, 4J
Hollow-ware of wrought iron and steel (including dishes, trays, moulds and similar articles) for other purposes including industrial				
Vats, tanks and cisterns				
Galvanised	0.5	66	} 11	3C, 3G, 3I, 3M
Other	..	104		
Unclassified	2.3	291	} 42	2E, 3N, 4I, 10A
	..	101		
Other sorts not elsewhere specified	..	100	10	
Unclassified; and reconditioned kegs and drums of wrought iron and steel	..	1,385	42	
Hollow-ware of aluminium, other than boxes or containers, not elsewhere specified	Th.dozen			
	64.8	362	} 11	3G, 4I, 4K, 10A
	..	588		
Metallic closures 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)				
Lead capsules	Th.tons			
Black plate and tinplate closures	..	81	..	2C, 10A
Other metallic closures				
Hinges, bolts and hasps and blanks and parts therefor, of metal (including all nickel alloys (except nickel silver) but excluding brass and other copper alloys)	..	105	..	3I, 5C, 5F
Cooking and washing boilers (other than cast iron) and parts therefor	0.4	39	} ..	3K, 4I, 4K
	..	150		
Lamps and lanterns (excluding motor and cycle lamps, blow lamps, brazing lamps and lamps of brass)	Th.	100	} ..	3I, 4I, 5A
	373.7	26		
Stoves and fires for domestic heating and for cooking (other than cast iron and industrial) and parts therefor				
For coal and other solid fuel; and for gas	Th.tons			
For liquid fuel (other than pressure burner types)	..	221	6	3C, 4I, 4K, 5F
Heating or lighting equipment, fittings, etc., of sheet metal	0.3	41	} ..	4M, 4O, 5F, 10D
	..	90		
Fire extinguishing apparatus	..	307	6	3C, 4A, 4K, 5F
Domestic utensils and appliances, not elsewhere specified	..	132	8	3N, 4I, 5B, 5F
Poultry appliances	0.2	30	} 9	3I, 4F, 4G, 4I
Agricultural and horticultural appliances, not elsewhere specified	..	362		
Catering equipment, not elsewhere specified	..	59	5	4I, 4J, 5F
Machinery guards of sheet metal	1.2	164	} 23	3I, 4I, 5D, 5F
	..	108		
Lighters, mechanical, other than of precious metals or plastic materials, complete (with or without flint); and component parts not including flints	..	144	..	3G, 5F, 10E, 10H
Tinned plates, sheets and strips, decorated, printed, etc., sold in the flat or partially shaped, for boxes or other containers				

TABLE 6 (contd.)

	1954			Principal industries in which produced (a)
	Quantity	Value	Entries	
Vitreous or stove enamelled 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 vitreous or stove enamelled signs of all kinds	Th.tons	£'000	Number	
Expanded metal of iron or steel, and other iron and steel reinforcements, for concrete	2.5	406	} 9	4A, 4I, 4M, 5D
Perforated metal, not elsewhere specified, of iron and steel and other metals	..	105		
Builders' ironmongery and hardware, not elsewhere specified	4.0	321	} 20	3D, 4I, 5C, 10D
Cabinet makers' goods of metal other than brass, not elsewhere specified	..	194		
Art metal work of iron and steel	..	312	7	4K, 4O, 5F, 12A
Cold formed sections and cold room and refrigerator cabinets of steel	2.2	118	} ..	1L, 3D, 5C, 10D
	..	55		
Castors (industrial) of metals other than brass	..	144	..	3C, 3K, 10C
Aluminium ladders and steps				
Stampings or pressings in the rough or machined, not elsewhere specified				
Of iron and steel	47.2	2,090	} 216	3I, 4I, 5C, 5F
	..	3,466		
Of other metals (including all nickel alloys (except nickel silver) but excluding brass and other copper alloys)	0.3	209	} 42	3E, 3G, 4K, 5F
	..	731		
Nameplates and the like				
Of aluminium	..	91	6	3G, 5F
Of other metals except brass	..	78	..	3I, 4I, 5F
Manufactures of iron and steel, not elsewhere specified	0.7	29	} 11	
	..	143		
Manufactures of copper not elsewhere specified				
Boilers and cylinders	Th.cwt.			
	1.2	34	} ..	4I
	..	5		
Other, including bathroom and sanitary fittings	2.5	82	} 6	3G, 4I, 4K, 4O
	..	141		
Jobbing ironmongery and repair work (a)		55	5	
Work done for the trade or on commission (a)				
Japanning, lacquering or enamelling		383	9	
Plating		250	18	
Other work, including galvanising and tinning		325	9	
Total		25,203	..	

(a) The volume number and industry references given are to the industries shown in the list at the back of this report.

(b) Amount charged.

HARDWARE, HOLLOW-WARE, METAL FURNITURE AND SHEET METAL
Sales in the industry of other than principal products
Larger establishments in the United Kingdom

TABLE 7

	1954	
	Quantity	Value
	Th.tons	£'000
Iron castings	3.0	713
Ventilators, pipes, ductwork, cowls and the like of sheet iron or steel (including parts)	..	299
Machinery and plant and parts	4.3	701
Food preparation, processing and sterilising machinery	..	851
Laundrying and dry cleaning machinery	..	406
Textile machinery, including accessories	..	9
Machine tools, metal working, and engineers' small tools	..	215
Mechanical handling equipment	..	567
Other	..	159
Other products of the Mechanical Engineering (General) Industry	..	2,031
Temporary prefabricated house framework and frame sections, of steel and aluminium	..	3,941
Other iron and steel fabricated (staircases, etc.)	..	58
	5.8	91
	Th.doz.	735
Tools and implements	99.6	410
Electrical goods and apparatus and parts	..	86
Parts and accessories of motor vehicles (excluding motor cycles)	..	226
Parts and accessories of non-mechanically propelled cycles	..	3,154
Non-mechanically propelled vehicles (except cycles) and parts	..	1,663
Aircraft parts and accessories	..	58
Toys mainly of metal	0.6	386
	..	877
	Th.tons	132
Manufactures of iron and steel wire	3.0	369
Metal manufactures not elsewhere specified	..	376
Of iron and steel	10.1	501
Of brass and other copper alloys, including nickel silver but excluding all other nickel alloys	..	1,270
Stampings and pressings in the rough, or machined	1.0	1,817
Stoves for liquid fuel, pressure burner types, and parts thereof	..	740
Builders' and cabinet makers' goods	Th.	683
Art metal work	52	118
Other	..	224
Of aluminium	..	263
Of lead	Th.tons	651
Of other metals and alloys	1.2	1,123
Of unclassified metals	..	190
Furniture and other manufactures of wood	..	346
Aseptic hospital furniture	..	121
	0.2	111
	..	122
	..	30
	..	1,125
	0.9	341
	..	246

(92291)

TABLE 7 (contd.)

	1954	
	Quantity	Value
	Th.tons	£'000
Composite containers, partly or metal		
Complete	2.7	386
Covers and other components, sold separately	..	26
Other goods	..	197
Waste products sold	..	2,761
Scrap metals		
Iron and steel	228.1	1,330
Aluminium and aluminium alloys	..	224
Brass	4.5	545
Zinc and alloys of zinc	..	42
Other scrap metals and waste products	4.0	602
Iron and steel structural work (a)	..	97
Work done as main contractors	5.8	269
Work done as sub-contractors	..	48
Other work (b)	3.8	184
	..	375
Total		37,451

(a) Amount charged, exclusive of the value of goods used by firms and recorded as their output. The total value of such goods was £2,371,000.
(b) Amount charged.

TABLE 8 - Total make of intermediate products
Larger establishments in the United Kingdom
This table is not applicable to the industry.

Purchases of materials and fuel, 1954
Larger establishments in the United Kingdom

TABLE 9

	1954	
	Quantity	Cost
	Th.tons	£'000
Materials		
Drop forgings of iron and steel	0.4	47
Wrought tubes and fittings for wrought tubes of iron and steel	..	31
Iron	3.9	240
Pig iron	..	120
Iron castings in the rough or machined	35.5	521
Steel	..	75
Ingots, blooms, billets, slabs, and sheet and tinplate bars	16.7	1,354
Angles, sections, shapes, bars, rods, girders, beams, joists, tube rounds, squares, hollows and shells	..	311
Castings in the rough or machined	51.8	2,419
	184.2	7,680
	..	795
	0.8	68
	..	89

(92291)

TABLE 9 (contd.)

	Quantity	Cost
	Th.tons	£'000
Materials (contd.)		
Steel (contd.)		
Forgings (except drop forgings) in the rough or machined	0.1	25
..	..	28
Tin-, terne- and black-plates and tin- and terne- sheets	515.3	32,532
Other plates and sheets 1/8 inch thick and over and hoop and strip (including tape) of all thicknesses	186.5	7,809
..	..	1,272
Other sheets and plates under 1/8 inch thick including electrical sheets	494.0	24,012
Wire (single wire)	24.1	1,251
..	..	164
Wire manufactures including stranded wire of two or more ply	4.5	286
..	..	73
Non-ferrous metals in all forms except finished parts and scrap		
Aluminium		
Wire	0.3	80
..	..	13
Other	27.7	7,768
..	..	986
Brass and other alloys of copper (including nickel silver and cupro-nickel, but excluding all other nickel alloys)		
Wire	0.7	208
..	..	62
Other	14.3	4,209
..	..	960
Copper	12.1	3,891
..	..	501
Tin and tin alloys including solder	2.0	916
..	..	245
Zinc or spelter and zinc alloys	36.7	3,130
Purchased components		
Ends, lids and other metal components for boxes and containers	..	5,982
Bolts, nuts, washers, screws, nails, tacks, etc.	..	2,575
Other	..	13,727
Lining compounds	..	437
Plating compounds		
..	Th.cwt.	232
..	25.9	836
Paints and varnishes including emulsion paint, enamel, cellulose based paints and lacquers		
..	Th.gal.	3,104
..	2,682.4	598
Printing inks		
..	Th.cwt.	226
..	7.1	63
Frit	112.8	496
..	..	296
Packing materials		
Packing cases (wood or mainly of wood)		
..	Th.cu.ft. of timber	306
..	550.7	595

TABLE 9 (contd.)

	Quantity	Cost
	Th.cwt.	£'000
Materials (contd.)		
Packing materials (contd.)		
Cardboard boxes, cartons and fibre-board cases	188.2	697
..	..	766
Jute piece goods including hessian		
..	Th.sq.yds.	7
..	131.4	24
All other packing materials	..	1,245
Replacement parts for own machinery, plant and vehicles	..	2,853
Consumable tools bought as replacement including engineers small tools, jigs, fixtures and measuring instruments	..	1,508
All other purchased materials	..	20,783
Fuel and electricity		
Coal		
..	Th.tons	827
..	201.7	557
Coke		
..	..	58
Liquid fuel (including creosote/pitch mixtures)		
For use in internal combustion engines		
..	Th.gal.	930
..	4,556	103
..	..	25
..	371	6
For burning in furnaces, boilers, kilns, etc.		
..	14,800	660
Gas purchased		
From Gas Boards		
..	Th.therms	1,871
..	34,064	353
From other sources, including other departments of the same firms		
..	Th.cu.ft.	27
..	354,963	43
Electricity purchased (a)		
From Electricity Boards		
..	Th.kWh.	1,902
..	328,873	425
From other sources, including other departments of the same firms		
..	7,600	44
..	..	5
All other purchased fuel	..	46
Total cost		169,409

(a) The total quantity of electricity generated in firms' own establishments in this industry in 1954 was 3.050 Th.kWh.

HARDWARE, HOLLOW-WARE, METAL FURNITURE AND SHEET METAL

Average number of employees and wages, salaries and superannuation payments (a)

Larger establishments in the United Kingdom

TABLE 10

	1951		1954	
	Number		Number	
Average number of employees				
Operatives	149,021		164,587	
Administrative, technical and clerical employees	28,778		34,314	
Total	177,799		198,901	
	£'000		£'000	
Wages and salaries paid to				
Operatives	46,692		64,191	
Administrative, technical and clerical employees	15,063		20,275	
Total	61,756		84,465	
	£		£	
Wages and salaries per head				
Operatives	313		390	
Administrative, technical and clerical employees	523		591	
Superannuation and other pension funds for employees and dependents (b)			£'000	
Employers' contributions	..		1,029	
			Number	
Employees covered	..		53,906	
			£'000	
Pension, etc. payments to former employees and dependents (b)	..		196	

(a) The following persons, not included above, were also employed by larger establishments ('other workers' includes, for example, employees engaged in merchanting). Payments to outworkers are also shown:

	1951		1954	
	Number		Number	
Canteen workers				
Males	51		59	
Females	1,622		1,717	
Total	1,673		1,776	
Other workers				
Males	772		430	
Females	276		351	
Total	1,048		781	
Total excluded employees	2,721		2,557	
Outworkers				
Males	77		123	
Females	485		336	
Total	562		459	
	£'000		£'000	
Payments to outworkers	56		62	

(b) The figures given relate to larger establishments in Great Britain only.

Employment in a specified week (a)

Larger establishments in the United Kingdom

TABLE 11

	Number					
	1951			1954		
	Males	Females	Total	Males	Females	Total
Working proprietors	352	18	370	284	17	301
Operatives	92,057	56,845	148,902	106,526	63,050	169,576
Administrative, technical and clerical employees	18,044	11,084	29,128	21,529	13,413	34,942
Total employees	110,101	67,929	178,030	128,055	76,463	204,518

(a) Week ended September 22, 1951, or October 30, 1954.

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VOLUME 1

- A. Coal Mines
- B. Non-Metalliferous Mines and Quarries (other than Coal, Salt and Slate)
- C. Salt Mines, Brine Pits and Salt Works
- D. Slate Quarries and Mines
- E. Metalliferous Mines and Quarries
- F. Brick and Fireclay
- G. China and Earthenware
- H. Glass Containers
- I. Glass (other than Containers)
- J. Cement
- K. Abrasives
- L. Building Materials
- M. Manufactured Fuel

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- B. Dyes and Dyestuffs
- C. Fertiliser, Disinfectant, Insecticide and Allied Industries
- D. Coal Tar Products
- E. Chemicals (General)
- F. Drugs and Pharmaceutical Preparations
- G. Toilet Preparations and Perfumery
- H. Explosives and Fireworks
- I. Paint and Varnish
- J. Soap, Candles and Glycerine
- K. Polishes
- L. Ink
- M. Match
- N. Mineral Oil Refining
- O. Oils and Greases
- P. Seed Crushing and Oil Refining
- Q. Glue, Gum, Paste and Allied Industries
- R. Plastics Materials

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- A. Blast Furnaces
- B. Iron and Steel (Melting and Rolling)
- C. Iron Foundries
- D. Steel Sheets
- E. Tinplate
- F. Wrought Iron and Steel Tubes
- G. Non-Ferrous Metals (Smelting, Rolling, etc.)
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- A. Shipbuilding and Ship Repairing
- B. Marine Engineering
- C. Machine Tools
- D. Textile Machinery and Accessories
- E. Small Arms
- F. Constructional Engineering
- G. Mechanical Handling Equipment

VOLUME 4 (contd.)

- H. Printing and Bookbinding Machinery
- I. Mechanical Engineering (General)
- J. Mechanical Engineering (Repairing)
- K. Electrical Engineering (General)
- L. Electric Wires and Cables
- M. Radio and Telecommunications
- N. Batteries and Accumulators
- O. Electric Lighting Accessories and Fittings

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- D. Rayon, Nylon, etc. Production
- E. Rayon, Nylon, etc. Weaving, and Silk
- F. Flax Processing
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- H. Jute
- I. Rope, Twine and Net
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- L. Carpets
- M. Narrow Fabrics
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- P. Made-up Household Textiles
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- F. Milk Products
- G. Ice Cream
- H. Sugar and Glucose
- I. Cocoa, Chocolate and Sugar Confectionery
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- A. Margarine
- B. Fish Curing
- C. Cattle, Dog and Poultry Foods
- D. Vinegar and Other Condiments
- E. Starch
- F. Ice
- G. Miscellaneous Preserved Foods
- H. Brewing and Malting
- I. Wholesale Bottling
- J. Spirit Distilling
- K. Spirit Rectifying and Compounding
- L. Soft Drinks, British Wines and Cider
- M. Tobacco

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- A. Timber
- B. Furniture and Upholstery
- C. Soft Furnishings
- D. Shop and Office Fitting
- E. Wooden Containers and Baskets
- F. Paper and Board
- G. Wallpaper
- H. Cardboard Box, Carton and Fibre-board Packing Case
- I. Manufactured Stationery, Paper Bag and Kindred Industries
- J. Newspaper and Periodical Printing and Publishing
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- A. Rubber
- B. Linoleum, Leathercloth and Allied Industries
- C. Brushes and Brooms
- D. Toys and Games
- E. Sports Requisites
- F. Miscellaneous Stationers' Goods
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- H. Cinematograph Film Printing
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