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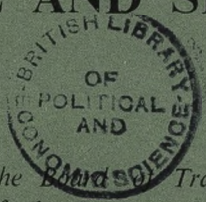
BOARD OF TRADE

THE REPORT  
on the  
CENSUS OF PRODUCTION  
FOR 1951

Volume 5

Trade 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  
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LONDON: HER MAJESTY'S STATIONERY OFFICE

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TWO SHILLINGS NET

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\* Not applicable to this trade

## HARDWARE, HOLLOW-WARE, METAL FURNITURE AND SHEET METAL TRADE

THIS REPORT on the Hardware, Hollow-ware, Metal Furniture and Sheet Metal Trade 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 trade 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.

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

IMPORTANT NOTES and definitions appear on the inside of the back cover of this report. In interpreting the data in the following tables, it is essential to bear these in mind.

## HARDWARE, HOLLOW-WARE, METAL FURNITURE AND SHEET METAL TRADE

## Summary

## Larger establishments (a)(b)

TABLE 1

	United Kingdom			Great Britain		United Kingdom		
	1951	1950	1949	1949	1948	1946	1937	1935
	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Gross output (production) (c)	245,635	210,474	190,178	189,163	179,832	127,704	52,812	39,910
Cost of materials and fuel used (d)	127,869	112,577	99,398	98,685	89,295	62,113	26,991	19,432
Payment for work done on materials given out	3,285	2,609	2,489	2,479	2,560	1,576	320	222
Excise duty on mechanical lighters	410	392	334	334	208	..	..	..
Transport payments (e)	4,429	..	..	..	..	..	..	..
Net output	109,641	94,897	87,956	87,665	87,770	64,015	25,501	20,256
Wages and salaries of persons employed	61,756	57,884	53,405	53,243	51,392	37,413	..	..
Average number of persons employed (f)	No. 178,169	No. 180,556	No. 173,919	No. 173,239	No. 175,297	No. 154,139	No. 124,168	No. 107,590
Net output per person employed (f)	£ 615	£ 526	£ 506	£ 506	£ 501	£ 415	£ 205	£ 188
Stocks at end of year	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Products on hand for sale and work in progress	14,790	13,797	12,912	12,882	11,674	7,488	..	..
Materials and fuel	27,161	21,465	21,532	21,409	20,866	13,353	..	..
Number of establishments	No. 2,073	No. 2,064	No. 2,028	No. 2,011	No. 1,951	..	..	No. 1,196

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

	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Output of firms in this trade (g)								
Principal products (h)	215,444	212,497	191,669	190,647	156,048	126,317	46,646	36,097
Other output (i)	28,483							
Changes in stocks and work in progress (j)	+ 1,707	+ 1,021	+ 1,146	+ 1,141	+ 1,709	+ 1,387		
Less payment for transport outwards (e)	245,635	213,518	192,815	191,788	182,163	127,704	52,812	39,910
	..	3,044	2,637	2,625	2,332			
Gross output (production)	245,635	210,474	190,178	189,163	179,832	127,704	52,812	39,910
Materials and fuel used by firms in this trade								
Purchases	134,609	112,310	99,784	99,051	90,774	64,650	26,991	19,432
Changes in stocks (j)	- 6,740	+ 266	- 386	- 366	- 1,480	- 2,537		
Materials and fuel used	127,869	112,577	99,398	98,685	89,295	62,113	26,991	19,432

(a) For small firms' summary see Table 2.

(b) H.M. Prisons are excluded from this report. The following information relating to these institutions was recorded for 1951:-

	£'000
Gross output	3
Cost of materials and fuel used	3

(c) Gross output for 1951 includes payments to other firms and undertakings and to firms' own separate transport organisations for transport services. For other years payments for transport services outwards on finished goods sold are excluded.

(d) Amounts paid for delivery services are excluded for 1951 but included for other years.

(e) Payments to other firms and undertakings and to firms' own separate transport organisations. For 1951 they cover payments for transport of both goods sold and materials and fuel purchased. For other years payments cover only transport outwards of finished goods sold.

(f) Excluding outworkers but including working proprietors. For an estimate of the total number of persons employed in this trade see Table 3.

(g) Total value of sales (1951, 1950, 1949, 1948 and 1946) or production for sale (1937 and 1935).

(h) For details for 1951 and 1948 see Table 8.

(i) For details for 1951 and 1948 see Table 10.

(j) For details for 1951 see Table 21.

TABLE 2

## Summary: Small firms (a)

	Great Britain		United Kingdom	Great Britain	
	1951	1950	1949	1949	1948
Number of returns	2,438	2,366	2,413	2,390	2,509
Average number of persons employed (b)					
Males	10,809	10,540	10,598	10,507	11,327
Females	2,572	2,384	2,397	2,393	2,473
Total	13,381	12,924	12,995	12,900	13,800

(a) Small firms (employing on the average ten or fewer persons) that made satisfactory returns. No information about small firms was collected in Northern Ireland for 1951 or 1950.

(b) Including working proprietors.

TABLE 3

## Estimated average employment (a): All firms

	United Kingdom			Great Britain	
	1951	1950	1949	1949	1948
As returned by firms					
Employing on the average more than ten persons (b)	178,169	180,556	173,919	173,239	175,297
Employing on the average ten or fewer persons (c)	13,381(d)	12,924(d)	12,995	12,900	13,800
Estimated average employment in firms not making satisfactory returns	191,550	193,480	186,914	186,139	189,097
	1,729	1,283	1,748	1,748	3,284
Estimated average employment in all firms	193,279(d)	194,763(d)	188,662	187,887	192,381

(a) Including working proprietors.

(b) See Tables 13(iv) and 14.

(c) See Table 2.

(d) Excluding any small firms in Northern Ireland.

## Analysis by size, 1951

## Larger establishments in the United Kingdom

TABLE 4

Average number employed	Establishments	Gross output	Net output	Persons employed	Remuneration			Net output per person employed
					Operatives	Other employees (a)	Total	
	No.	£'000	£'000	No.	£'000	£'000	£'000	£
11 - 24	690	13,185	6,973	12,022	3,237	971	4,208	580
25 - 49	629	27,672	13,563	22,154	6,038	1,781	7,819	612
50 - 99	388	35,011	16,276	26,936	7,215	2,208	9,422	604
100 - 199	181	33,737	15,726	25,142	6,815	2,247	9,061	625
200 - 299	73	24,580	10,958	17,605	4,440	1,411	5,851	622
300 - 399	30	16,254	6,668	10,125	2,729	818	3,547	659
400 - 499	17	12,779	4,459	7,418	1,899	655	2,554	601
500 - 749	34	29,654	13,328	20,822	5,260	1,672	6,933	640
750 - 999	18	21,894	8,807	15,400	3,612	1,173	4,785	572
1,000 - 1,499	5	8,232	4,069	6,268	1,624	697	2,322	649
1,500 and over	8	22,637	8,816	14,277	3,824	1,430	5,254	617
Total	2,073	245,635	109,641	178,169	46,692	15,063	61,756	615

(a) Administrative, technical and clerical employees.

## METAL GOODS NOT ELSEWHERE SPECIFIED

Analysis by standard region, 1951

TABLE 5

Larger establishments in the United Kingdom

Region	Estab-lish-ments	Gross output	Net output		Persons employed	Remuneration			Net output per person employed
			Value	Percentage of total		Operatives	Other employees (a)	Total	
England	No.	£'000	£'000		No.	£'000	£'000	£'000	£
Northern	61	7,651	3,022	2.8	5,553	1,229	396	1,625	544
East and West Ridings	140	15,624	7,131	6.5	11,622	3,161	878	4,039	614
North Midland	41	8,304	3,406	3.1	5,398	1,224	403	1,627	631
Eastern	55	9,611	4,475	4.1	6,789	1,903	749	2,652	659
London and South Eastern	546	55,826	26,299	24.0	39,953	10,897	4,189	15,086	658
Southern	49	5,988	2,748	2.5	4,267	1,114	362	1,476	644
South Western	43	3,864	1,860	1.7	3,367	864	262	1,126	552
Midland	740	81,147	37,389	34.1	61,608	16,218	4,710	20,928	607
North Western	237	30,181	13,264	12.1	21,861	5,643	1,830	7,474	607
Total England	1,912	218,197	99,594	90.8	160,418	42,254	13,778	56,032	621
Wales	50	15,856	5,529	5.0	9,753	2,437	703	3,140	567
Scotland	97	9,942	4,100	3.7	7,305	1,859	535	2,394	561
Great Britain	2,059	243,994	109,223	99.6	177,476	46,549	15,016	61,565	615
Northern Ireland	14	1,641	418	0.4	693	143	48	191	603
United Kingdom	2,073	245,635	109,641	100.0	178,169	46,692	15,063	61,756	615

(a) Administrative, technical and clerical employees.

Analysis according to specialisation within the trade, 1951

Larger establishments in the United Kingdom

TABLE 6

	Establish-ments	Gross output	Sales of charac-teristic products	Net output	Persons employed	Remuneration			Net output per person employed
						Operatives	Other employees (a)	Total	
Specialist producers of	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Domestic hollow-ware (excluding hollow-ware of cast iron)	135	19,087	15,192	9,220	14,588	3,588	1,053	4,641	632
Metal boxes and containers (excluding composite containers partly of metal)	113	43,762	37,299	13,630	26,120	5,306	1,861	7,167	522
Other hollow-ware (excluding hollow-ware of cast iron)	98	15,895	11,740	6,530	9,514	2,790	783	3,573	686
Metal furniture other than aseptic hospital furniture	146	16,146	14,005	7,340	11,158	3,222	1,068	4,290	658
Metal door and window frames and casements	52	15,819	11,754	7,630	12,037	3,434	1,522	4,955	634
Safes, locks, latches and keys, and cash and deed boxes	73	7,795	6,442	4,701	8,314	2,104	551	2,655	565
Specialists in the finishing of metal goods	386	16,491	13,214(b)	10,083	14,832	4,613	1,215	5,828	680
Remainder of the trade	1,070	110,640		50,508	81,606	21,635	7,011	28,646	619
Total	2,073	245,635		109,641	178,169	46,692	15,063	61,756	615

(a) Administrative, technical and clerical employees.

(b) Amount charged.

(02769)

## HARDWARE, HOLLOW-WARE, METAL FURNITURE AND SHEET METAL

TABLE 7 - Total make of intermediate products: Larger establishments

This table is not applicable to the trade.

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

Larger establishments

TABLE 8

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
Furniture of metal and parts thereof, other than aseptic hospital furniture (a)	Th.tons	£'000	No.	Th.tons	£'000
Bedsteads and parts thereof (including finished tubes thereof)	16.3	1,434	59	8.6	785
Storage cupboards, shelving and racking, and clothing lockers	23.0	3,145	149	22.9	2,225
Cabinets (including filing and card index cabinets and plan files) and parts thereof	15.3	3,101	87	15.1	2,711
Tables and desks	Thous. 52 Th.tons 36 .. 1.0	674 97 172	59	Thous. 47 Th.tons 29 .. 1.0 .. ..	485 94 101 112
Seating (except pedestal chairs with reclining movement)	Th.tons ..	1,788	41	Th.tons 1.3 .. ..	347 963
Hearth furniture (e.g., fireguards, coal boxes)				Th.doz. 11 .. ..	43 39
Fireguards, sparkguards and cinder sifters, mainly of wire	..	(b)	..	.. ..	120 753
Other hearth furniture	..	910	55	Th.tons 15 .. ..	120 753
Kitchen and bathroom furniture, not elsewhere specified (e.g., units, sinks)	4.0 ..	1,718 748	70	Th.tons 3.1 .. ..	1,055(c) 631
Other metal furniture (including industrial sundries) and parts, not elsewhere specified	11.5 ..	2,335 1,500	171	11.2 .. ..	2,176 2,293
Unclassified	..	494	12	-	-
Safes	Thous. 5 Th.tons 2.7	379	13	Thous. 3 Th.tons 1.8 .. 0.3	292 37
Other safes and insulated safe equipment	Th.tons 4.0	595	15	Th.tons 2.6 .. ..	317 150
Strong rooms, strong room doors, safe deposit equipment and night safes	2.4	448	17	0.9 .. ..	217 29
Trunks, suit cases, etc., of sheet metal	0.8	156	17	0.3 .. ..	58 37
Cash and deed boxes	0.3 ..	125 23	30	0.3 .. ..	70 103
Locks, latches, keys and blanks, including parts of locks	Th. doz. 451 Th.tons 212	515 384	40	Th. doz. 299 Th.tons 309 .. ..	354 272 115
Padlocks	451 212	515 384	40	299 309 .. ..	354 272 115
Locks for trunks, travelling bags, suit cases and attache cases, other than padlocks	1,435 0.8	558	13	852 55 .. ..	266 78

(02769)

TABLE 8 (contd.)

	United Kingdom 1951			Great Britain 1948			
	Quantity		Value	Entries	Quantity		Value
	Th. doz.	Th. tons	£'000	No.	Th. doz.	Th. tons	£'000
Locks, latches, keys and blanks, including parts of locks (contd.)							
Locks for furniture	680 213	0.5 ..	342 288	32	313 226	0.5 ..	265 187
Rim locks, mortice locks, cylinder latches, and other similar locks for buildings, with or without handles	432 308	3.4 ..	1,547 1,135	38	441 437	3.2 ..	1,082 1,023
Other locks and latches, parts of locks and latches, and keys and key blanks	Th.tons 0.8 ..		547 351	56	Th.tons 1.3 ..		475 309
Bolts and hasps and blanks and parts thereof, of metal (including all nickel alloys (except nickel silver), but excluding brass and other copper alloys) (d)	1.0 ..		186 130	24	1.5 ..		227 107
Wire mattresses	14.9 ..		1,227 1,754	80	21.7 ..		1,468 1,271
Lamps and lanterns (d)	Thous.				Thous.		
Hurricane lamps	2,145		454	5	1,451		337
Other lamps and lanterns (excluding motor and cycle lamps, brazing lamps and lamps of brass)	961 ..		340 264	49	1,652 ..		523 263(e)
Boxes and containers made wholly or mainly from tinplate, black plate or terne plate, not elsewhere specified (f) (g)	Th.tons				Th.tons		
Complete	91.6		10,382	31	124.1		10,226 (h)
Open top hermetically sealed	63.8		8,101	97	109.0		11,822 (h)
Other	74.5		11,304	152	..		1,323
For food	..		4,647	29	..		(i)
For other products	4.4 ..		486 715	18	5.9 ..		577 1,019
Covers and other components, sold separately	..		..	..	..		..
Unclassified	..		..	..	..		..
Boxes and containers, wholly of aluminium (f)	7.8 ..		3,580 992	78	3.9 ..		1,392 730
Complete	..		386	21	..		..
Covers and other components, sold separately	Th.do.				Th.do.		
Pressure cookers	-		9	..	..		(i)
Of wrought iron and steel	36 ..		1,090 1,035	10	..		(j)
Of aluminium	Th.tons				Th.tons		
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	4.1 ..		592 60	35	3.1 ..		392 88
Not enamelled, tinned or galvanised	Th. doz.				Th. tons		
Enamelled	33 30		98 67	5	..		..
Kettles	173 71		480 160	12	17.8 ..		3,035 313
Saucepans and stewpans	..		768	..	..		..
Other	Th.tons 12.6 ..		2,599 554	38	..		..

TABLE 8 (contd.)

	United Kingdom 1951			Great Britain 1948			
	Quantity		Value	Entries	Quantity		Value
	Th.tons	Th.tons	£'000	No.	Th.tons	Th.tons	£'000
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.)							
Galvanised	19.9		2,209	53	21.3		1,637
Tanks and cisterns	Th. doz.				Th. doz.		
Dustbins	53 16 ..		644 174 73	50	87 56 ..		812 516
Buckets	457 130		1,096 272	46	422 136		712 220
Other	Th.tons 6.1 ..		877 132	61	Th.tons 8.7 ..		858 315
Tinned or of tinplate	Th.do.				Th.do.		
Kettles	88 ..		92 28	21	8.1 ..		1,298 654
Saucepans and stewpans	34		114	13	..		..
Other	..		1,535	76	..		256
Unclassified	-		-	-	..		..
Hollow-ware of wrought iron and steel (including dishes, trays, moulds and similar articles) for other purposes including industrial	Thous.				Thous.		
Barrels, kegs and drums (including tinplate, terne-plate and galvanised drums)	12,643 1,983		33.0 ..	47	9,501 2,807 ..		1,776 478 26
Of a capacity not exceeding 5 gallons	7,515		5,634	45	8,301		4,578
Of a capacity over 5 gallons	77.9		..	..	81.5		..
Vats, tanks and cisterns	Th.tons				Th.tons		
Galvanised	5.1 ..		575 199	52	4.7 ..		461 83
Other	6.1 ..		975 235	89	6.3 ..		767 405
Unclassified	3.0 ..		352 223	64	3.7 ..		399 51
Churns for the conveyance of milk	3.2		502	12	3.5 ..		403 84
Other sorts, not elsewhere specified	Th.tons				Th.tons		
Galvanised	4.8 ..		513 90	38	5.3 ..		520 137
Tinned or of tinplate	1.4 ..		332 119	49	2.3 ..		427 52
Other	8.3 ..		1,352 492	101	7.1 ..		758 324
Unclassified	-		-	-	0.4 ..		51 100
Unclassified	4.6		624	13	1.8 ..		205 243
Hollow-ware of wrought iron and steel, unclassified	0.2 ..		36 29	30	-		-

TABLE 8 (contd.)

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
	Th.doz.	£'000	No.	Th.doz.	£'000
Hollow-ware of aluminium, other than boxes or containers, not elsewhere specified					
For domestic purposes					
Kettles	276	705	31	284	803
Saucepans and stewpans	408	1,241	40	389	920
Other	..	2,772	86	1,142	1,807
Unclassified	-	-	-	..	1,115
Vats, tanks, etc., for other purposes including industrial	0.4	279	18	0.7	236
Unclassified	..	463	12	-	208
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)	Mill.	Th. tons		Mill.	Th. tons
Aluminium capsules	478	0.5	622	1,058	0.9
Lead capsules	575	..	733	203	..
Black plate and tinplate closures	95	0.6	300	182	1.0
Other metallic closures	161	..	507	1,057	9.1
Unclassified	1,129	7.6	1,771	200	1.0
Crown corks	..	..	209	23	..
Hinges, hinge blanks and parts therefor, of metal (including all nickel alloys (except nickel silver) but excluding brass and other copper alloys) (d)	1,569	5.9	1,837	83	0.8
Cooking and washing boilers (other than cast iron), and parts therefor	-	-	-	33	..
Stoves and fires for domestic heating and for cooking (other than cast iron and industrial), and parts therefor (l)	6,364	20.1	3,790	4,576	14.1
For coal and other solid fuel	Th. tons			Th. tons	
For gas	11.5	1,294	47	10.1	970
For electricity (excluding electric fires) (m)	..	315	..	..	216
For liquid fuel (other than pressure burner types) (n)	4.9	1,257	42	5.5	1,146
Heating or lighting equipment, fittings, etc., of sheet metal (o)	..	1,872	..	..	1,464
Fire extinguishing apparatus (d)	4.0	402	31	3.9	304
Domestic utensils and appliances, not elsewhere specified	..	248	..	..	122
Poultry appliances	23.1	5,177	40	19.2	3,625
Agricultural and horticultural appliances, not elsewhere specified	..	1,403	..	..	113
	1.3	225	15	1.5	247
	4.0	1,501	23	2.2	753
	..	418	..	..	691
	1.7	279	95	3.0	412
	..	398	..	..	321
	2.6	1,033	27	3.1	1,252
	..	2,324	..	..	1,012
	1.1	405	91	5.4	996
	..	2,345	..	..	1,769
	4.0	862	45	2.6	388
	..	437	..	..	220
	7.7	920	115	9.2	1,226
	..	987	..	..	687

(02769)

TABLE 8 (contd.)

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000
Catering equipment, not elsewhere specified	1.4	654	131	2.9	1,071
Machinery guards of sheet metal	..	1,438	..	..	1,134
Door and window frames and casements	2.7	530	212	2.7	359 (c)
Of iron and steel	..	494	..	..	348
Of other metals	99.2	12,661	130	69.9	8,492
Metal furnishings for doors and windows (d)	1.5	725	25	4.5	1,477
Metal doors, other than for strong rooms	..	310	..	..	154
Lighters, mechanical, other than of precious metals or plastic materials	16.4	3,486	58	12.0	2,117 (c)
Complete (with or without flint)	..	903	..	..	621
Component parts, not including flints	2.7	513	40	5.4	608 (c)
Tinned plates, sheets and strips, decorated, printed, etc., sold in the flat or partially shaped, for boxes and other containers	..	243	..	..	147
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	Thous.			Thous.	
Expanded metal of iron or steel and other iron and steel reinforcements, for concrete (p)	2,885	1,424	18	3,152	1,566
Perforated metal, not elsewhere specified	..	31	5	..	174
Of iron and steel	Th. tons			Th. tons	
Of other metals	29.2	1,967	28	35.3	1,834
Builders' ironmongery and hardware, not elsewhere specified	2.1	621	50	2.0	483
Cabinet makers' goods of iron and steel not elsewhere specified (c)	..	543	..	..	127
Cabinet makers' goods other than of iron and steel or brass, not elsewhere specified (c)(d)	18.7	1,290	8	25.6	1,509
Art metal work of iron and steel (c)	9.3	1,137	12	7.0	650
Enamelling stoves, drying plant stoves, case hardening pots, etc. (c)	1.4	277	8	1.6	84
Cold formed sections of steel (c)	2.2	534	5	1.1	86
Cold formed sections of aluminium or aluminium alloys (c)	17.6	2,279	136	12.7	1,283 (c)
Cold room and refrigerator cabinets of steel, etc. (c)	..	659	..	..	495
Stampings and pressings, in the rough or machined, not elsewhere specified	4.5	797	27	0.8	163
Of iron and steel	..	440	..	..	255
Of other metals (including all nickel alloys (except nickel silver) but excluding brass and other copper alloys) (d)	0.3	148	..	0.4	73 (r)
Reconditioned kegs and drums of wrought iron and steel (c)	..	129	..	..	141
	0.4	202	30	0.2	63
	..	458	..	..	206
	0.6	50	6	0.4	24
	..	90	..	..	142
	26.5	2,158	20	9.3	476
	..	777	..	..	921
	0.4	72	9	2.7	597
	..	110	..	..	398
	0.3	76	13	1.6	502
	..	434	..	..	342
	Thous.			Thous.	
	115.2	15,099	566	70.9	7,497
	..	4,924	..	..	4,884
	3.2	1,644	161	1.9	618
	..	892	..	..	675
	807	577	18	541	313
	..	414	..	..	111

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TABLE 8 (contd.)

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
Castors (industrial) of metals other than brass (c)(d)	Th.cwts. 12.1 ..	£'000 152 124	No. 6	Th.cwts. 8.0 ..	£'000 62 209
Aluminium ladders and steps (c)	Th.tons 0.4 ..	255 80	9	Th.tons 0.1 ..	80 116
Nameplates and the like, of metals other than brass (c)	..	147	..	-	-
Manufactures of iron and steel, not elsewhere specified	34.3 ..	4,229 3,680	444	33.0 ..	2,710 1,863
Manufactures of copper, not elsewhere specified (s)	Th.cwts. 96.6 ..	2,155 933	50	Th.cwts. 70.5 ..	1,229 425
Boilers and cylinders	..	527	16	10.0 ..	294 90
Bathroom and sanitary fittings	17.1 ..	632	16	..	90
Other	3.2 ..	99 695	92	8.3 ..	255 353
Manufactures of other metals (except brass), not elsewhere specified (d)	..	348	5	..	593
Waste products, other than scrap metals, concentrates, metallic residues, etc.	..	(t)	..	..	86
Jobbing ironmongery and repair work (u)	..	1,307	214	..	1,162
Work done for the trade or on commission (u)	..	..	..	..	..
Galvanising	..	3,624	111	..	2,643
Japanning, lacquering or enamelling	..	3,632	193	..	2,049
Tinning	..	512	76	..	421
Plating	..	8,090	349	..	4,830
Other work	..	3,384	294	..	3,017
Total	..	238,370	..	..	174,529
Sales in other trades (see Table 9)	..	22,926	..	..	18,480
Principal products of this trade sold by establishments in the trade	..	215,444	1,977	..	156,048

(a) For aseptic hospital furniture see the Scientific, Surgical and Photographic Instruments, etc. Trade (Volume 5, Trade H).

(b) Principal products of the Wire and Wire Manufactures Trade (Volume 5, Trade D) for 1951.

(c) So far as recorded separately.

(d) For goods of brass, see the Brass Manufactures Trade (Volume 5, Trade F).

(e) Including parts of lamps and lanterns, so far as recorded separately, amounting to £123,000.

(f) Excluding composite containers for which see the Cardboard Box, Carton and Fibre-Board Packing Case Trade (Volume 10, Trade H).

(g) 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 trades:-

	United Kingdom 1951 Th.tons	Great Britain 1948 Th.tons
Milk Products Trade	5.4	..
Cocoa, Chocolate and Sugar Confectionery Trade	4.1	4.5
Sugar and Glucose Trade	..	..
Biscuit Trade	28.1	1.1
Preserved Fruit and Vegetables Trade	..	..

(h) Including covers and other components.

(i) Not recorded separately.

(j) Included with hollow-ware of aluminium.

(k) May include some aluminium hollow-ware for other than domestic purposes.

(l) For cast iron stoves see the Iron Foundries Trade (Volume 3, Trade C).

(m) For electric fires and parts, see the Electrical Engineering (General) Trade (Volume 4, Trade K).

(n) For pressure burner type stoves see the Brass Manufactures Trade (Volume 5, Trade F).

(o) For ventilators, pipes, hoods and cowls see the Mechanical Engineering (General) Trade (Volume 4, Trade I).

(p) Excluding wire netting reinforcement and wire rods purchased and fabricated for concrete reinforcement, for which see the Wire and Wire Manufactures Trade (Volume 5, Trade D).

(q) Described as 'Not packed with cleansing agents'.

(r) Described as 'Castors (cabinet makers' goods) of metals other than brass'.

(s) Described in 1948 as 'Engineers' and mechanics' goods of copper (including fittings for water supply).

(t) Included with waste products in Table 10.

(u) Amount charged.

## Sales of principal products of the trade by establishments classified to other trades

## Larger establishments

TABLE 9

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
Furniture of metal and parts thereof, other than aseptic hospital furniture	Th.tons	£'000	No.	Th.tons	£'000
Bedsteads and parts thereof (including finished tubes therefor)	4.2 ..	195 198	21	2.0 ..	118 115
Storage cupboards, shelving and racking, and clothing lockers	0.2 ..	41 225	22	0.4 ..	59 282
Cabinets (including filing and card index cabinets and plan files) and parts thereof	2.1	404	13	0.8 ..	109 111
Tables and desks	Thous. 3 13 ..	Th.tons 0.1 .. 1.0	20 30 161	Thous. 1 15 .. ..	Th.tons - .. 0.6 ..
Hearth furniture (e.g., fireguards, coal boxes)	Th.tons			Th.tons	
Fireguards, sparkguards and cinder sifters, mainly of wire	-	-	-	..	3
Other hearth furniture	..	13	..	..	28
Kitchen and bathroom furniture, not elsewhere specified (e.g., units, sinks)	- ..	9 277	8	- ..	15 51
Seating (except pedestal chairs with reclining movement)	..	735	11	1.1	129
Other metal furniture (including industrial sundries) and parts, not elsewhere specified	3.9 ..	429 793	46	..	1,512
Unclassified	..	494	12	-	-
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	0.1 ..	11 7	..	- ..	4(a) 52
Trunks, suit cases, etc. of sheet metal	-	-	-	Th.dozen	Th.tons
Locks, latches, keys and blanks, including parts of locks	Th.dozen			Th.dozen	Th.tons
Padlocks; and rimlocks, mortice locks, cylinder latches, and other similar locks for buildings with or without handles	12	21	..	13 3 .. ..	- .. 0.1 ..
Locks for trunks, travelling bags, suit cases and attache cases, other than padlocks	-	-	-	..	8 7 14 9
Locks for furniture	-	-	-	..	..
Other locks and latches, parts of locks and latches, and keys and key blanks	..	39	6	..	..
Wire mattresses	Th.tons 0.5 ..	41 1,698	58	Th.tons 1.0 ..	85 815
Lamps and lanterns (excluding motor and cycle lamps, blow lamps, brazing lamps and lamps of brass)	Thous. 386 ..	89 10	5	Thous. 36 ..	27(b) 17

TABLE 9 (contd.)

	United Kingdom 1951			Great Britain 1948		
	Quantity	Value	Entries	Quantity	Value	
Boxes and containers made wholly or mainly from tinplate, black plate or terne plate, not elsewhere specified	Th.tons	£'000	No.	Th.tons	£'000	
Complete						
Open top hermetically sealed						
Other	0.8	147	5			
For food						
For other products	0.9	131	6	3.4	368	
Covers and other components, sold separately	-	-	-	..	562	
Unclassified	..	4	9			
		238				
Boxes and containers, wholly of aluminium						
Complete	..	35	..	-	3	
Covers and other components, sold separately	-	-	-	..	88	
Pressure cookers	-	7	..	..	(c)	
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, other than kettles, saucepans and stewpans	1.1	215	6	0.3	39(d)	
	..	20	..	..	4	
	Th. doz.	Th. tons				
Galvanised tanks and cisterns; dustbins; and buckets	2	-	..	0.3	28	
	1	5	..			
	..	6	..			
		97				
Tinned or of tinplate						
Saucepans and stewpans	-	-	-	0.1	6	
Other, including kettles	..	136	9	..	33	
Unclassified; and hollow-ware not enamelled, tinned or galvanised	-	-	-	..	73(e)	
	Thous.	Th. tons		Thous.	Th. tons	
Hollow-ware of wrought iron and steel (including dishes, trays, moulds and similar articles) for other purposes including industrial						
Barrels, kegs and drums (including tinplate, terneplate and galvanised drums)	186	0.5	187	287	1.3	89
	120	..	30	4	..	1
	Th.tons			Th.tons		
Vats, tanks and cisterns	3.4	410	76	3.8	430	
	..	475	..	..	103	
Churns for the conveyance of milk	-	1	..	-	-	
Other sorts, not elsewhere specified	0.1	30	15	1.6	111	
	..	173	..	..	139	
Unclassified	4.4	598	..	..	181	
Hollow-ware of wrought iron and steel, unclassified	0.2	36	30	-	-	
	..	29	..			
Hollow-ware of aluminium, other than boxes or containers, not elsewhere specified	Th.do.			Th.do.		
For domestic purposes						
Saucepans and stewpans	38	207	7	60	232	
Other (excluding kettles)	..	476	7	..	20	
Kettles				..	468	
Vats, tanks, etc. for other purposes, including industrial	..	87	..			
Unclassified	..	16	..	..	74	

TABLE 9 (contd.)

	United Kingdom 1951			Great Britain 1948		
	Quantity	Value	Entries	Quantity	Value	
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)	Mill.	Th. tons	£'000	No.	Mill.	Th. tons
Aluminium capsules	..	..	36	..	38	-
Black plate and tinplate closures	39	0.2	34	..	1	-
	..	..	3			
Other metallic closures, including lead capsules and crown corks	56	0.2	114	8	284	1.2
	161	..	507		..	-
Unclassified	-	-	-	-	33	..
	Th.tons				Th.tons	
Hinges, hinge blanks and parts therefor, of metal (including all nickel alloys (except nickel silver) but excluding brass and other copper alloys)	0.2	17	5	0.3	19	
	..	53	..	..	59	
Cooking and washing boilers (other than cast iron), and parts therefor	-	5	8	0.3	54	
	..	228	..	..	683	
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	0.2	19	7			
	..	43	..			
For electricity (excluding electric fires)	-	-	-	3.6	696	
For liquid fuel (other than pressure burner types)	0.3	92	7	..	226	
	..	249	..			
Heating or lighting equipment, fittings, etc., of sheet metal	0.1	31	14	0.6	67	
	..	69	..	..	76	
Fire extinguishing apparatus	-	11	..	0.2	98	
	..	106	..	..	92	
Domestic utensils and appliances, not elsewhere specified	-	19	10	0.1	18	
	..	207	..	..	478	
Poultry appliances	..	61	5	..	21	
Agricultural and horticultural appliances, not elsewhere specified	1.8	213	12	0.9	74	
	..	306	..	..	420	
Catering equipment, not elsewhere specified	-	14	20	0.2	106	
	..	164	..	..	63	
Machinery guards of sheet metal	0.4	92	37	0.6	83	
	..	128	..	..	88	
Door and window frames and casements						
Of iron and steel	4.1	647	61	5.8	604	
	..	..	..	..	102	
Of other metals	0.4	160	6			
	..	11	..			
Metal furnishings for doors and windows	0.7	58	11	0.1	63	
	..	144	..	..	109	
Metal doors other than for strong rooms	0.7	167	15	1.1	161	
	..	184	..	..	123	
Lighters, mechanical, other than of precious metals or plastic materials, complete (with or without flint); and component parts not including flints	Thous.			Thous.		
	116	41	6	130	112	
	..	2	..	..	155	
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			Th.tons		
	0.2	32	9	..	57	
	..	180	..			
Builders' ironmongery and hardware, not elsewhere specified	3.8	424	27	3.4	327	
	..	249	..	..	138	
Cabinet makers' goods of metals other than brass, not elsewhere specified	0.5	123	10	0.2	50	
	..	61	..	..	43	



TABLE 9 (contd.)

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
	Th.tons	£'000	No.	Th.tons	£'000
Art metal work of iron and steel	..	66	5	0.1	19
Cold formed sections of steel, aluminium or aluminium alloys	..	331	..	6.1	353
Cold room and refrigerator cabinets of steel, etc.	-	3	..	..	123
Tinned plates, sheets and strips, decorated, printed, etc., sold in the flat or partially shaped, for boxes and other containers; and enamelling stoves, drying plant stoves, case hardening pots, etc.	1.0	92	7	..	32(f)
Stampings and pressings in the rough or machined, not elsewhere specified	..	90	..	..	..
Of iron and steel	15.8	2,174	221	22.5	1,997
Of other metals (including all nickel alloys (except nickel silver) but excluding brass and other copper alloys)	0.7	362	50	0.4	144
Bolts and hasps and blanks and parts therefor, of metal (including all nickel alloys (except nickel silver) but excluding brass and other copper alloys); and expanded metal of iron or steel, and other iron and steel reinforcements, for concrete	..	364	..	..	146
Perforated metal, not elsewhere specified	2.0	300	..	..	..
Of iron and steel	..	10	..	8.1	495
Of other metals	-	-	-	..	7
Reconditioned kegs and drums of wrought iron and steel; and nameplates and the like of metals other than brass	..	195	..	..	96(g)
Castors (industrial) of metals other than brass	..	76	..	-	-
Aluminium ladders and steps	..	10	..	-	-
Manufactures of iron and steel, not elsewhere specified	0.1	19	8	0.6	155
Manufactures of copper, not elsewhere specified	..	69	..	..	438
Boilers and cylinders	3.7	76	8	1.8	33
Other, including bathroom and sanitary fittings	..	19	..	..	26
Manufactures of other metals (except brass), not elsewhere specified	11.0	399	5	6.0	189
Jobbing ironmongery and repair work (h)	..	127	..	..	74
Work done for the trade or on commission (h)	-	-	-	..	70
Galvanising	..	33	7	..	42
Japanning, lacquering or enamelling	..	83	8	..	148
Tinning	..	440	19	..	116
Plating	..	2	..	..	1
Other work	..	344	28	..	205
Total	..	21	..	..	106
		22,926	..		18,480

(a) Excluding insulated safe equipment.

(b) Including parts, amounting to £3,000.

(c) Not recorded separately.

(d) Including saucepans and stewpans.

(e) May include some aluminium hollow-ware for other than domestic purposes.

(f) Including vermin and similar traps.

(g) Excluding nameplates and the like.

(h) Amount charged.

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Sales in the trade of other than principal products

Larger establishments

TABLE 10

	United Kingdom 1951		Great Britain 1948	
	Quantity	Value	Quantity	Value
	Th.tons	£'000	Th.tons	£'000
Iron castings	8.7	1,120	4.2	359
Ventilators, pipes, ductwork, cowls and the like of sheet iron or steel	..	635	..	357
Machinery and plant and parts	5.3	838	8.6	1,042
Food preparation, processing and sterilising machinery	..	324	..	372
Laundrying and dry cleaning machinery	..	187	0.3	51
Textile machinery, including accessories	..	320	..	276
Machine tools, metal-working, and engineers' small tools	..	233	1.3	266(a)
Mechanical handling equipment	..	330	..	316
Other	..	74	..	270
Other products of the Mechanical Engineering (General) Trade	..	330	0.2	64
Glazing bars	..	74	..	202
Temporary prefabricated house framework and frame sections, of steel and aluminium	..	1,876	4.1	133
Other iron and steel fabricated (staircases, etc.)	..	11.8	..	645
Tools and implements	11.8	1,477	6.6	604
Electrical goods and apparatus and parts	..	1,683	..	1,048
Parts and accessories of motor vehicles (excluding motor cycles, tri-cars and tractors)	0.5	394	1.2	163
Parts and accessories of non-mechanically propelled cycles	..	51	..	387
Non-mechanically propelled vehicles (except cycles) and parts	..	164	..	90
Aircraft parts and accessories	0.8	164	4.0	266
Toys mainly of metal	..	51	..	229
Manufactures of iron and steel wire	6.5	886	6.3	476
Metal manufactures, not elsewhere specified	..	130	..	189
Of iron and steel	Th.do.	147	Th.do.	159(b)
Of brass and other copper alloys, including nickel silver but excluding all other nickel alloys	292.0	223	..	366
Stampings and pressings, in the rough or machined	..	705	..	589
Stoves for liquid fuel, pressure burner types, and parts thereof	..	1,162	..	1,281
Builders' and cabinet makers' goods	..	45	..	64
Art metal work	..	125	..	398
Other	..	159	..	801
Of aluminium	..	553	..	669
	Th.tons	356	Th.tons	358
	1.8	225	1.2	85
	..	432	..	543
	5.1	411	8.1	291
	..	907	1.4	529
	1.3	511	..	353
	Thous.	117	..	241
	82	65	0.4	280
	..	71	..	91
	..	292	0.5	158
	Th.tons	703	1.9	972
	1.6	624	..	349
	..	286	0.5	279
	..	..	..	356

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TABLE 10 (contd.)

	United Kingdom 1951		Great Britain 1948	
	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000
Metal manufactures, not elsewhere specified (contd.)				
Of lead	..	105	1.4	354
Of other metals and alloys	0.1	87		
	..	117	..	116
Of unclassified metals	..	276	..	376
Furniture and other manufactures of wood	..	747	..	507
Aseptic hospital furniture	1.4	241	1.2	146
	..	89	..	30
Composite containers, partly of metal				
Complete	1.1	231	4.2	511
Covers and other components, sold separately	..	65		
Other goods	..	1,801	..	1,759
Waste products sold				
Scrap metals				
Iron and steel	207.4	1,254	166.4	625
			..	93
Aluminium and aluminium alloys	5.6	544	4.1	209
			..	41
Brass	4.5	683	4.3	308
Zinc and alloys of zinc	7.3	777	10.6	447
Other scrap metals and waste products	6.1	430	3.3	167
	..	117	..	40
Iron and steel structural work (c)				
Work done as main contractors		667		1,026
Work done as sub-contractors		430		
Other work (d)		932		633
Total		28,483		24,406

(a) Washing machines.

(b) Including cutlery.

(c) Amount charged, exclusive of the value of goods used by firms and recorded as their output. The total value of such goods was £2,977,000 for 1951 and £2,244,000 for 1948.

(d) Amount charged.

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

TABLE 11

		Production (b)(c)	Exports (d)	Retained imports (e)
		£'000	£'000	£'000
Furniture of metal and parts thereof, including hearth furniture but excluding aseptic hospital furniture and cash and deed boxes				
Bedsteads and parts thereof (including finished tubes thereof) (f)	{ 1951 1948 1937	2,021 1,155 835	630 457 224	3 - 4
Other descriptions (f)	{ 1951 1948 1937	16,688(g) 15,721 3,054	2,920(h) 2,217 226	41(i) 43 108
Total furniture of metal and parts thereof, including hearth furniture but excluding aseptic hospital furniture and cash and deed boxes	{ 1951 1948 1937	19,203(g)(j) 16,876 3,889	3,550(h) 2,674 450	44(i) 44 111
Safes, complete	{ 1951 1948 1937	974 794 249	487 436 89	25(k) 4 1

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TABLE 11(contd.)

		Production (b)(c)	Exports (d)	Retained imports (e)
		£'000	£'000	£'000
Trunks, suitcases, etc., of sheet metal	{ 1951 1948	156 94	127 41	- -
Cash and deed boxes	{ 1951 1948	147 173	61 64	(1) -
Total trunks, suitcases, etc., of sheet metal, and cash and deed boxes	{ 1951 1948 1937	303 267 111	187 105 67	.. - 8
Locks, latches, keys and blanks, including parts of locks				
Padlocks	{ 1951 1948	899 741	254 286	.. 9
Locks for trunks, travelling bags, suitcases and attache cases, other than padlocks	{ 1951 1948	0.8 0.8(m)	0.5 0.4	0.1 -
Locks for furniture	{ 1951 1948	893 539	163 192	.. ..
Rim locks, mortice locks, cylinder latches, and other similar locks for buildings, with or without handles	{ 1951 1948	740 878	188 216	.. ..
Other locks and latches, parts of locks and latches, and keys and key blanks	{ 1951 1948	898 784	379 330	.. ..
Total locks, latches, keys and blanks, including parts of locks	{ 1951 1948 1937	5,668 4,425 1,722	1,730 1,590 388	171(n) 23 82
Bolts and hasps of metal, and blanks and parts thereof (o)	{ 1951 1948	465 412	198 191	(n) -
Hinges, hinge blanks and parts thereof (o)	{ 1951 1948	2,127 1,639	525 461	(n) 3
Total bolts, hasps and hinges and blanks and parts thereof (o)	{ 1951 1948 1937	2,592 2,051 653	723 652 86	(n) 4 76
Wire mattresses	{ 1951 1948 1937	2,981 2,739 651	191 170 58	1 3 -
Hollow-ware of wrought iron and steel for domestic, industrial and other purposes, other than boxes and containers, but including dishes, trays, moulds and similar articles (f)				
Barrels, kegs and drums (p)	{ 1951 1948 1937	10,054(q) 7,283(q) 2,206	270 338 63	2,339 412 88
Not enamelled, tinned or galvanised	1951	651(r)	201(s)	58
Enamelled	1951	4,726(r)	2,160	555
Galvanised				
Vats, tanks and cisterns	{ 1951 1948 1937	27.0(m) 27.0(m) 31.9	2.2 4.1 2.0	.. (t) -
Other	{ 1951 1948 1937	£'000 3,870 4,090 1,151	£'000 684 556 87	£'000 20(u) 22 8
Tinned or of tinplate	1951	2,219	628	26
Churns for the conveyance of milk	{ 1951 1948 1937	3.2 4.3(m) 1.6	0.4 0.5 0.1	0.1 - 0.9
Hollow-ware of aluminium for domestic purposes				
Kettles	1951	845	273	..
Saucepans and stewpans	1951	1,241	726	..
Other	1951	2,772	613	..
Total hollow-ware of aluminium for domestic purposes	1951	4,858	1,612	75

(02769)

TABLE 11 (cont'd.)

		Production (b)(c)	Exports (d)	Retained imports (e)
		Mill.	Mill.	Mill.
Lead capsules for bottles, jars, cans and similar containers	1951	257	39	48
	1948	182	20	24
	1937	328	68	82
Crown corks		Th. tons	Th. tons	Th. tons
	1951	..	0.4	0.3
	1948	1.0	0.1	0.2
	1937	1.7	0.4	0.5
Fire extinguishing apparatus (o)	1951	20.1	2.2	-
		£'000	£'000	£'000
	1948	3,854	1,741	6
	1937	2,754	908	9
	1937	800	154	1
Door and window frames and casements of iron and steel		Th. tons	Th. tons	Th. tons
	1951	99.2	19.5	-
	1948	69.9	13.0	(t)
	1937	73.2	6.6	0.5
Lighters, mechanical (v)		Thous.	Thous.	Thous.
	1951	2,885	1,451	280
	1948	3,500(m)	998	21
	1937	400(m)	49	1,061
Component parts, not including flints		£'000	£'000	£'000
	1951	31	6	6
	1948	66	7	7
	1937	2	-	1
Tinned plates, sheets and strips, decorated, printed, etc., sold in the flat or partially shaped, for boxes and other containers		Th. tons	Th. tons	Th. tons
	1951	29.2	1.3(w)	..
	1948	35.3	2.4	..
	1937	9.2	4.8	-
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		£'000	£'000	£'000
	1951	1,164	47	4
	1948	609	50	-
	1937	469	15	14
Expanded metal of iron or steel, and other iron and steel reinforcements, for concrete	1951	Th. tons 18.7	Th. tons 4.1(x)	Th. tons -

- (a) Figures of production (or sales) refer only to larger establishments in the United Kingdom (1951 and 1937) or Great Britain (1948). All recorded exports from and imports into the United Kingdom are given in the Table. The figures, therefore, are not strictly comparable.
- (b) Sales in 1951 and 1948, and production for sale in 1937.
- (c) Including production (or sales) by establishments classified to other trades.
- (d) Valued f.o.b.
- (e) Valued c.i.f.
- (f) Figures of production (or sales) are deficient on account of unclassified output (see Table 8).
- (g) Excluding fireguards, sparkguards and cinder sifters, mainly of wire, for which see the Wire and Wire Manufactures Trade (Volume 5, Trade D).
- (h) Including parts of safes.
- (i) Including cash and deed boxes and parts, but excluding filing and other cabinets and parts.
- (j) Including unclassified sales.
- (k) Described as 'Safes and cabinets (including filing cabinets) complete'.
- (l) Included with 'Other descriptions of furniture of metal'.
- (m) Partly estimated.
- (n) Retained imports of bolts, hasps and hinges of metal and blanks and parts therefor are included in the figure shown for 'Total locks, latches, keys and blanks, including parts of locks'.
- (o) Including goods of brass and other copper alloys, the production (or sales) figures for which (see the Brass Manufactures Trade (Volume 5 Trade F)) are as follows:-

	1951	1948	1937
	£'000	£'000	£'000
Bolts and hasps, blanks and parts therefor	149	78	..
Hinges, hinge blanks and parts therefor	518	453	97
Fire extinguishing apparatus	497	489	100

- (p) The oversea trade figures are described as 'Barrels and drums, empty, made wholly or mainly of iron or steel'.
- (q) Including reconditioned kegs and drums, so far as recorded separately.
- (r) For domestic purposes.
- (s) Described as excluding storage tanks of 3/16 inch and over in thickness.
- (t) Re-exports in excess of imports.
- (u) Including galvanised vats, tanks and cisterns.
- (v) Figures of production (or sales) relate to mechanical lighters, other than of precious metals or plastic materials.
- (w) Described as 'Tinplate, terneplate and blackplate, lacquered, printed and decorated for boxes and other containers, whether shaped or not'.
- (x) Described as 'Expanded metal of iron or steel'.

Usage of certain specified purchased materials, 1951  
Larger establishments in the United Kingdom

TABLE 12

Materials used	Quantity
	Th. tons
<b>Iron</b>	
Pig iron	16.0
Iron castings in the rough	15.8
<b>Non-alloy steel</b>	
Ingots, billets, blooms and slabs	9.6
Angles, shapes and sections	138.6
Girders, joists, beams and pillars (not fabricated)	4.4
Bars and rods	40.7
Hoop and strip (including tape)	110.7
Tin-, terne-, and black-plates and sheets	479.0
Other plates and sheets (excluding electrical sheets)	
1/8 inch thick and over	77.0
Under 1/8 inch thick	235.3
Tubes and fittings	12.3
Wire (single wire)	20.4
Drop forgings	0.8
<b>Alloy steel (including high speed steel)</b>	
Ingots, billets, blooms and slabs	-
Bars, rods, angles, shapes, sections, girders, joists, beams and pillars (not fabricated)	1.6
Plates, sheet and strip	
1/8 inch thick and over	2.0
Under 1/8 inch thick	8.5
Tubes and fittings	0.7
Wire (single wire)	1.3
Castings, in the rough	0.6
Iron and steel, not specified above, except finished parts and scrap	90.6
<b>Non-ferrous metals in all forms, except finished parts and scrap</b>	Th. cwts.
Aluminium and aluminium alloys	797.7
Brass and other copper alloys, including nickel silver, but excluding all other nickel alloys	289.0
Copper	247.8
Nickel and nickel alloys, other than nickel silver	14.0
Tin	31.1
Zinc and zinc alloys	536.2
Zinc compounds	5.0

TABLE 13  
Employment in September  
Larger establishments (a)  
(i) Operatives

	United Kingdom			Great Britain		United Kingdom	
	1951(b)	1950(b)	1949(b)	1949(b)	1948(c)	1937(c)	1935(c)
<b>Males</b>							
Under 18	5,650	5,516	5,764	5,676	6,135	11,837	10,591
All ages	92,057	95,689	92,517	92,128	94,141	67,211	57,607
<b>Females</b>							
Under 18	4,487	4,341	4,486	4,475	5,280	15,203	13,318
All ages	56,845	55,773	53,010	52,888	54,239	43,017	38,137
<b>Total</b>							
Under 18	10,137	9,857	10,250	10,151	11,415	27,040	23,909
All ages	148,902	151,462	145,527	145,016	148,380	110,228	95,744

(ii) Administrative, technical and clerical employees (d) Number

	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949	1948	1937	1935
<b>Males</b>							
Under 18	627	617	600	594	514	843	603
All ages	18,044	18,170	17,117	17,053	16,347	9,306	8,021
<b>Females</b>							
Under 18	1,612	1,536	1,438	1,428	1,471	1,144	672
All ages	11,084	10,959	10,370	10,322	10,161	4,634	3,825
<b>Total</b>							
Under 18	2,239	2,153	2,038	2,022	1,985	1,987	1,275
All ages	29,128(e)	29,129(e)	27,487(e)	27,375(e)	26,508(e)	13,940	11,846

(iii) Total employees Number

	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949	1948	1937	1935
<b>Males</b>							
Under 18	6,277	6,133	6,364	6,270	6,649	12,680	11,194
All ages	110,101	113,859	109,634	109,181	110,488	76,517	65,628
<b>Females</b>							
Under 18	6,099	5,877	5,924	5,903	6,751	16,347	13,990
All ages	67,929	66,732	63,380	63,210	64,400	47,651	41,962
<b>Total</b>							
Under 18	12,376	12,010	12,288	12,173	13,400	29,027	25,184
All ages	178,030(e)	180,591(e)	173,014(e)	172,391(e)	174,888(e)	124,168	107,590

(a) Excluded employees. The following persons were employed at the larger establishments in this trade in 1951 but are not included in the above tables or in any other Census of Production report (employees in Great Britain engaged, for example, in merchanting and in Northern Ireland canteen and welfare workers):-

Canteen workers 51 Males 1,622 Females  
Other workers 772 Males 276 Females

(b) In week ended September 22, 1951, September 30, 1950, and September 24, 1949.

(c) Average for the year.

(d) In week ended September 22, 1951, September 30, 1950, September 24, 1949, September 25, 1948, October 16, 1937, and October 12, 1935.

(e) Working proprietors. In addition working proprietors, shown in Table 13(iv) below, were engaged in this trade in larger establishments. The 1937 and 1935 figures include working proprietors.

(iv) Working proprietors Number

	United Kingdom			Great Britain	
	1951	1950	1949	1949	1948
<b>Males</b>					
	352	409	442	423	386
<b>Females</b>					
	18	21	22	21	23
<b>Total</b>					
	370	430	464	444	409

TABLE 14  
Average employment  
Larger establishments (a)  
Number

	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949	1948	1937	1935
<b>Operatives</b>							
	149,021	151,322	146,229	145,677	148,380	110,228	95,744
<b>Administrative, technical and clerical employees</b>							
	28,778	28,804	27,226	27,118	26,508(b)	13,940(b)	11,846(b)
<b>Total</b>							
	177,799	180,126	173,455	172,795	174,888	124,168	107,590

(a) For employment in small firms (employing on the average ten or fewer persons) that made satisfactory returns see Table 2.

(b) In week ended September 25, 1948, October 16, 1937, and October 12, 1935. The 1937 and 1935 figures include working proprietors.

Outworkers. In addition to the employees shown above the firms in this trade employed outworkers whose numbers are shown below.

	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949	1948	1937	1935
<b>Males</b>							
	77	111	222	222	104	..	..
<b>Females</b>							
	485	531	364	364	299	..	..
<b>Total</b>							
	562	642	586	586	403	..	..

Shift working, 1951 (a)  
Larger establishments in Great Britain

	Total number of man-shifts worked in the week	Total number of shift-hours worked in the week	Number of returns showing the systems stated
Continuous 3 shift systems per 24 hours averaging 8 hours per shift	17,481	140,068	48
Continuous 4 shift systems per 24 hours averaging 6 hours per shift	51,969	491,744	106
All 2 shift systems	9,919	78,824	13
Other shift systems			
<b>Total</b>	79,368	710,636	(b)

(a) Shift working during week ended September 22, 1951.

(b) The number and percentage of returns showing shift working and of operatives on shift work were as follows:-

	Returns		Operatives		
	Total in trade	Showing shift work	Total in trade	Total on returns showing shift work	Number employed on shift work
Number	1,963	151	148,320	42,077	15,878
Percentage of total in trade	100.0	7.7	100.0	28.4	10.7
Percentage of total on returns showing shift-work				100.0	37.7

Wages and salaries and employers' National Insurance  
contributions paid during the year

## Larger establishments

	United Kingdom			Great Britain	
	1951	1950	1949	1949	1948
Wages and salaries (a) of					
Operatives	46,692	44,139	40,979	40,855	39,943
Administrative, technical and clerical employees	15,063	13,745	12,426	12,388	11,448
Total	61,756	57,884	53,405	53,243	51,392
Employers' contributions to all National Insurance Schemes	1,679	1,684	1,642	1,635	1,334

(a) Including bonus and commission payments, but excluding payments to outworkers shown below.

United Kingdom			Great Britain	
1951	1950	1949	1949	1948
56	59	78	78	48

Plant, machinery and vehicles - acquisitions and disposals,  
and capital expenditure on new building work

## Larger establishments

	United Kingdom		Great Britain	
	1951	1949	1949	1948
Plant, machinery and vehicles				
Acquisitions				
Plant and machinery				
New	4,204	3,567	3,555	3,357
Second-hand	432	242	239	346
Vehicles				
New	876	604	604	492
Second-hand	343	214	213	198
Total acquisitions	5,855	4,626	4,611	4,394
Disposals				
Plant and machinery	501	290	289	339
Vehicles	273	159	158	113
Total disposals	774	448	447	452
New building work				
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	1,383	1,117	1,117	1,188

1951

## Summary

## Larger establishments

TABLE 18

	England	Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
	£'000	£'000	£'000	£'000	£'000	£'000
Gross output (production)	218,197	15,856	9,942	243,994	1,641	245,635
Cost of materials and fuel used	111,253	9,880	5,594	126,727	1,143	127,869
Payment for work done on materials given out	3,149	81	35	3,265	21	3,285
Excise duty on mechanical lighters	410	-	-	410	-	410
Transport payments	3,790	366	213	4,370	59	4,429
Net output	99,594	5,529	4,100	109,223	418	109,641
Wages and salaries of persons employed	56,032	3,140	2,394	61,565	191	61,756
Average number of persons employed (a)	No. 160,418	No. 9,753	No. 7,305	No. 177,476	No. 693	No. 178,169
Net output per person employed (a)	£ 621	£ 567	£ 561	£ 615	£ 603	£ 615
Stocks at end of year	£'000	£'000	£'000	£'000	£'000	£'000
Products on hand for sale and work in progress	13,363	863	545	14,770	21	14,790
Materials and fuel	23,712	1,969	1,342	27,022	139	27,161
Number of establishments	No. 1,912	No. 50	No. 97	No. 2,059	No. 14	No. 2,073

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

	£'000	£'000	£'000	£'000	£'000	£'000
Output of firms in this trade						
Total value of sales (see Table 20)	216,608	15,805	9,875	242,288	1,639	243,927
Changes in stocks and work in progress (see Table 21)	+ 1,588	+ 51	+ 67	+ 1,706	+ 1	+ 1,707
Gross output (production)	218,197	15,856	9,942	243,994	1,641	245,635
Materials and fuel used by firms in this trade						
Purchases	116,977	10,591	5,873	133,440	1,169	134,609
Changes in stocks (see Table 21)	- 5,724	- 711	- 279	- 6,713	- 27	- 6,740
Materials and fuel used	111,253	9,880	5,594	126,727	1,143	127,869

(a) Excluding outworkers but including working proprietors.

## Summary

## Small firms in Great Britain (a)

TABLE 19

	England	Wales	Scotland	Great Britain
Number of returns	2,299	38	101	2,438
Average number of persons employed (b)				
Males	10,062	194	553	10,809
Females	2,463	30	79	2,572
Total	12,525	224	632	13,381

(a) Small firms in Great Britain (employing on the average ten or fewer persons) that made satisfactory returns.  
(b) Including working proprietors.

Sales in the trade  
Larger establishments

TABLE 20

	England and Wales		Scotland		Great Britain		Northern Ireland		United Kingdom	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000		£'000	Th. tons	£'000
<b>Principal products</b>										
Furniture of metal and parts thereof, other than aseptic hospital furniture										
Bedsteads and parts thereof (including finished tubes therefor)	..	(a)	..	(a)	12.0 ..	1,239 390	-	-	12.0 ..	1,239 390
Storage cupboards, shelving and racking, and clothing lockers	21.9 ..	2,960 241	1.0 ..	144 33	22.9 ..	3,104 273	-	-	22.9 ..	3,104 273
Cabinets (including filing and card index cabinets and plan files) and parts thereof	..	(a)	..	(a)	13.2	2,697	-	-	13.2	2,697
Tables and desks	..	(a)	..	(a)	50 23 ..	2.9 68 11	-	-	50 23 ..	2.9 68 11
Hearth furniture, other than fireguards, sparkguards and cinder sifters mainly of wire	..	(a)	..	(a)	..	897	-	-	..	897
Kitchen and bathroom furniture, not elsewhere specified (e.g., units, sinks)	3.6 ..	1,527 471	0.4	182	4.0 ..	1,709 471	-	-	4.0 ..	1,709 471
Seating (except pedestal chairs with reclining movement)	..	1,053	..	-	..	1,053	-	-	..	1,053
Other metal furniture (including industrial sundries) and parts, not elsewhere specified	7.5 ..	1,890 618	- ..	17 89	7.6 ..	1,907 707	-	-	7.6 ..	1,907 707
Safes of metal or metal framed, over 1,000 cubic inches with one or more metal walls over 1/4 inch gauge	Th. tons 5 2.7	379	-	-	Th. tons 5 2.7	379	-	-	Th. tons 5 2.7	379
Other safes and insulated safe equipment; and cash and deed boxes	Th. tons 4.2 ..	709 15	-	-	Th. tons 4.2 ..	709 15	-	-	Th. tons 4.2 ..	709 15
Strong rooms, strong room doors, safe deposit equipment and night safes	2.4	448	-	-	2.4	448	-	-	2.4	448
Trunks, suit cases, etc., of sheet metal	0.8	156	-	-	0.8	156	-	-	0.8	156
Locks, latches, keys and blanks, including parts of locks	Th. doz. 871	Th. tons 4.2			Th. doz. 871	Th. tons 4.2			Th. doz. 871	Th. tons 4.2
Padlocks; and rim locks, mortice locks, cylinder latches, and other similar locks for buildings, with or without handles	520 ..	2,042 1,519	-	-	520 ..	2,042 1,519	-	-	520 ..	2,042 1,519

METAL GOODS NOT ELSEWHERE SPECIFIED COUNTRY TABLES

Locks for trunks, travelling bags, suit cases and attache cases, other than padlocks	Th. doz. 1,435	Th. tons 0.8	558	-	-	Th. doz. 1,435	Th. tons 0.8	558	-	-	Th. doz. 1,435	Th. tons 0.8	558
Locks for furniture	Th. doz. 680	Th. tons 0.5	342	-	-	Th. doz. 680	Th. tons 0.5	342	-	-	Th. doz. 680	Th. tons 0.5	342
Other locks and latches, parts of locks and latches, and keys and key blanks	Th. tons 0.8 ..	547 312	-	-	Th. tons 0.8 ..	547 312	-	-	Th. tons 0.8 ..	547 312	-	-	
Wire mattresses	..	(a)	..	(a)	14.4 ..	1,185 56	-	-	14.4 ..	1,185 56	-	-	
Lamps and lanterns (excluding motor and cycle lamps, blow lamps, brazing lamps and lamps of brass)	..	(a)	..	(a)	Thous. 2,720 ..	705 254	-	-	Thous. 2,720 ..	705 254	-	-	
Boxes and containers made wholly or mainly from tinsplate, black plate or terne plate, not elsewhere specified													
Complete									Th. tons				
Open top hermetically sealed	..	(a)	6.3	698	..	..	..	..	(a)	154.6	18,335		
Other	..	(a)	1.7	230	..	..	..	..	(a)	73.6	11,173		
For food	..	(a)	..	(a)	..	..	..	..	(a)	..	4,647		
For other products	..	(a)	..	(a)	..	..	..	..	(a)	4.3	482		
Covers and other components, sold separately	..	(a)	..	(a)	..	..	..	..	(a)	..	477		
Unclassified	..	(a)	..	(a)	..	..	..	..	(a)	..	477		
Boxes and containers, wholly of aluminium													
Complete	..	(a)	..	(a)	..	..	..	..	(a)	7.8	3,580		
Covers and other components, sold separately	..	386	-	-	..	386	-	-	..	..	386		
Pressure cookers	Th. doz. 36 ..	1,092 1,035	-	-	Th. doz. 36 ..	1,092 1,035	-	-	Th. doz. 36 ..	1,092 1,035	-	-	
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	Th. doz. 33	Th. tons 0.5			Th. doz. 33	Th. tons 0.5			Th. doz. 33	Th. tons 0.5			
Enamelled	30 ..	98 67	-	-	30 ..	98 67	-	-	30 ..	98 67	-	-	
Kettles	173 71 ..	2.4 .. 4.4	480 160 768	-	-	173 71 ..	2.4 .. 4.4	480 160 768	-	-	173 71 ..	2.4 .. 4.4	480 160 768
Saucepans and stewpans	..	..	..	..	..	..	..	..	..	..	..	..	

HARDWARE, HOLLOW-WARE, METAL FURNITURE AND SHEET METAL COUNTRY TABLES S/E/25

TABLE 20 (contd.)

	England and Wales		Scotland		Great Britain		Northern Ireland		United Kingdom		
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	
Principal products (contd.)	Th. tons	£'000		£'000	Th. tons	£'000		£'000	Th. doz.	Th. tons	£'000
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.)											
Enamelled (contd.)											
Other	..	(a)	..	(a)	11.5	2,384	-	-	..	11.5	2,384
					..	534			..	..	534
Galvanised			Th. doz.	Th. tons							
Tanks and cisterns; dustbins; and buckets	..	(a)	1	0.1	8	..	..	(a)	508	13.5	1,736
			..	0.6	62				146	..	439
									..	19.7	2,184
Other	6.1	877	-	-	6.1	877	-	-	Th. tons	6.1	877
	..	132			..	132			..	..	132
Tinned or of tinplate	Th. doz.				Th. doz.				Th. doz.		
Saucepans and stewpans	34	114	-	-	34	114	-	-	34	114	
Other, including kettles	88	92	..	2	88	92	-	-	88	92	
	..	1,425			..	1,427			..	..	1,427
Not enamelled, tinned or galvanised	Th. tons				Th. tons				Th. tons		
	4.1	592	-	-	4.1	592	-	-	4.1	592	
	..	60			..	60			..	60	
Hollow-ware of wrought iron and steel (including dishes, trays, moulds and similar articles) for other purposes including industrial	Thous.		Thous.		Thous.				Thous.		
Barrels, kegs and drums (including tinplate, terneplate and galvanised drums)	18,585	7,969	1,387	506	19,972	8,476	-	-	19,972	8,476	
	Th. tons		Th. tons		Th. tons				Th. tons		
	103.9		6.5		110.4				110.4		
	Thous.	371			Thous.	371			Thous.	371	
	1,863				1,863				1,863		
	Th. tons				Th. tons				Th. tons		
Vats, and tanks and cisterns	..	(a)	0.8	82	..	..	..	(a)	10.9	1,493	
			..	78	..	..			..	183	
Churns for the conveyance of milk	..	(a)	..	(a)	3.2	502	-	-	3.2	502	
Other sorts not elsewhere specified	14.2	2,136	0.2	30	14.4	2,167	-	-	14.4	2,167	
	..	470	..	57	..	528			..	528	
Unclassified	..	(a)	..	(a)	0.2	26	-	-	0.2	26	

METAL GOODS NOT ELSEWHERE SPECIFIED COUNTRY TABLES

(02769)

Hollow-ware of aluminium, other than boxes or containers, not elsewhere specified					Th. doz.				Th. doz.		
For domestic purposes											
Saucepans and stewpans	..	(a)	..	(a)	369	1,034	-	-	369	1,034	
Other (excluding kettles)	..	2,292	..	4	..	2,296	-	-	..	2,296	
Kettles											
Vats, tanks, etc., for other purposes, including industrial	..	(a)	..	(a)	..	..	..	(a)	..	1,037	
Unclassified	..	447	-	-	..	447	-	-	..	447	
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)					Mill.	Th. tons			Mill.	Th. tons	
Aluminium capsules	..	(a)	..	(a)	478	0.5	622	-	478	0.5	622
					575	..	733		575	..	733
					..	..	39		..	..	39
Black plate and tinplate closures	..	(a)	..	(a)	Mill.	1,090	1,737	-	Mill.	1,090	1,737
					Th. tons	7.4	206		Th. tons	7.4	206
					..	..			..	..	
Other metallic closures, including lead capsules and crown corks	Mill.	7,662	Mill.	311	Mill.	7,973	5,814	-	Mill.	7,973	5,814
	Th. tons	24.8	Th. tons	1.6	Th. tons	26.4			Th. tons	26.4	
Hinges, hinge blanks and parts therefor, of metal (including all nickel alloys (except nickel silver) but excluding brass and other copper alloys)	..	(a)	..	(a)	11.4	1,278	-	-	11.4	1,278	
					..	262			..	262	
Cooking and washing boilers (other than cast iron), and parts therefor	4.7	1,230	0.1	22	4.9	1,252	-	-	4.9	1,252	
	..	1,613	..	31	..	1,644			..	1,644	
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	..	(a)	..	(a)	26.9	5,560	-	-	26.9	5,560	
					..	1,609			..	1,609	
For electricity (excluding electric fires)	1.3	225	-	-	1.3	225	-	-	1.3	225	
For liquid fuel (other than pressure burner types)	..	(a)	..	(a)	3.7	1,409	-	-	3.7	1,409	
					..	169			..	169	
Heating or lighting equipment, fittings etc., of sheet metal	1.6	246	-	2	1.7	247	-	-	1.7	247	
	..	326	..	3	..	329			..	329	
Fire extinguishing apparatus	..	(a)	..	(a)	2.5	1,021	-	-	2.5	1,021	
					..	2,218			..	2,218	
Domestic utensils and appliances, not elsewhere specified	..	(a)	..	(a)	1.0	386	-	-	1.0	386	
					..	2,139			..	2,139	

HARDWARE, HOLLOW-WARE, METAL FURNITURE AND SHEET METAL COUNTRY TABLES

TABLE 20 (contd.)

	England and Wales		Scotland		Great Britain		Northern Ireland		United Kingdom	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Principal products (contd.)	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000		£'000	Th. tons	£'000
Poultry appliances	..	(a)	..	(a)	4.0	862	-	-	4.0	862
					..	375			..	375
Agricultural and horticultural appliances, not elsewhere specified	..	(a)	0.1	15	..	..	..	(a)	5.9	707
			..	9					..	681
Catering equipment, not elsewhere specified	..	(a)	0.4	175	..	..	..	(a)	1.4	640
			..	10					..	1,274
Machinery guards of sheet metal	..	(a)	0.1	15	..	..	..	(a)	2.3	438
			..	10					..	365
Door and window frames and casements										
Of iron and steel	..	(a)	12.1	1,217	..	..	..	(a)	95.1	12,014
Of other metals	..	(a)	..	(a)	1.1	565	-	-	1.1	565
					..	299			..	299
Metal furnishings for doors and windows	15.8	3,428	-	-	15.8	3,428	-	-	15.8	3,428
	..	759			..	759			..	759
Metal doors other than for strong rooms	..	(a)	..	(a)	2.1	345	-	-	2.1	345
					..	59			..	59
Lighters, mechanical, other than of precious metals or plastic materials, complete (with or without flints); and component parts, not including flints	Thous.				Thous.				Thous.	
	2,769	1,383	-	-	2,769	1,383	-	-	2,769	1,383
	..	28			..	28			..	28
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		Th. tons		Th. tons				Th. tons	
	..	(a)	..	(a)	1.9	589	-	-	1.9	589
					..	363			..	363
Steel wool and steel shavings	..	(a)	..	(a)	2.2	534	-	-	2.2	534
Builders' ironmongery and hardware, not elsewhere specified	..	(a)	0.1	12	..	..	..	(a)	13.8	1,855
			..	23					..	410
Cabinet makers' goods of metals other than brass, not elsewhere specified (b)	4.3	822	-	-	4.3	822	-	-	4.3	822
	..	508			..	508			..	508
Art metal work of iron and steel (b)	0.4	202	-	-	0.4	202	-	-	0.4	202
	..	393			..	393			..	393
Cold formed sections of steel, aluminium or aluminium alloys (b)	..	(a)	..	(a)	..	2,786	-	-	..	2,786
Cold room and refrigerator cabinets of steel, etc. (b)	0.3	74	-	-	0.3	74	-	-	0.3	74
	..	221			..	221			..	221
Tinned plates, sheets and strips, decorated, printed, etc.; sold in the flat or partially shaped, for boxes and other containers; and enamelling stoves, drying plant stoves, case hardening pots, etc. (b)	28.7	1,926	-	-	28.7	1,926	-	-	28.7	1,926

METAL GOODS NOT ELSEWHERE SPECIFIED COUNTRY TABLES

(02769)

Stampings and pressings, in the rough or machined, not elsewhere specified										
Of iron and steel	..	(a)	..	(a)	..	..	..	(a)	99.4	12,926
									..	2,958
Of other metals (including all nickel alloys (except nickel silver) but excluding brass and other copper alloys)	2.4	1,269	0.1	13	2.5	1,282	-	-	2.5	1,282
	..	528			..	528			..	528
Bolts and hasps, and blanks and parts therefor, of metal (including all nickel alloys (except nickel silver) but excluding brass and other copper alloys); and expanded metal of iron or steel, and other iron and steel reinforcements, for concrete										
Perforated metal not elsewhere specified	..	(a)	..	(a)	27.1	2,313	-	-	27.1	2,313
Of iron and steel					..	120			..	120
Of other metals	..	(a)	..	(a)	1.4	277	-	-	1.4	277
Reconditioned kegs and drums of wrought iron and steel; and nameplates and the like of metals other than brass (b)	..	943	-	-	..	943	-	-	..	943
Castors (industrial) of metals other than brass (b)	Th. cwt.				Th. cwt.				Th. cwt.	
	12.1	152	-	-	12.1	152	-	-	12.1	152
	..	47			..	47			..	47
Aluminium ladders and steps (b)	Th. tons		Th. tons		Th. tons				Th. tons	
	0.4	255	-	-	0.4	255	-	-	0.4	255
	..	70			..	70			..	70
Manufactures of iron and steel, not elsewhere specified	33.7	4,139	0.5	71	34.2	4,210	-	-	34.2	4,210
	..	3,518	..	92	..	3,611			..	3,611
Manufactures of copper, not elsewhere specified	Th. cwt.		Th. cwt.		Th. cwt.				Th. cwt.	
Boilers and cylinders	76.7	1,706	16.2	372	92.9	2,078	-	-	92.9	2,078
	..	694	..	220	..	914			..	914
Other, including bathroom and sanitary fittings	8.8	217	0.5	10	9.3	226	-	-	9.3	226
	..	820	..	379	..	1,199			..	1,199
Manufactures of other metals (except brass), not elsewhere specified	..	348	-	-	..	348	-	-	..	348
Jobbing ironmongery and repair work (c)	(a)			114		..		(a)		1,274
Work done for the trade or on commission (c)										
Galvanising	(a)			348		..		(a)		3,542
Japanning, lacquering or enamelling		3,103		89		3,192				3,192
Tinning		475		34		509				509

HARDWARE, HOLLOW-WARE, METAL FURNITURE AND SHEET METAL COUNTRY TABLES



TABLE 20 (contd.)

	England and Wales		Scotland		Great Britain		Northern Ireland		United Kingdom	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Principal products (contd.)		£'000		£'000		£'000		£'000		£'000
Work done for the trade or on commission (c) (contd.)										
Plating		(a)		292		..		(a)		7,746
Other work		(a)		55		..		(a)		3,363
Total principal products		(a)		8,571		..		(a)		215,444
Other output	Th. tons		Th. tons		Th. tons				Th. tons	
Iron castings	..	(a)	-	-	..	..	..	(a)	8.7	1,120
Ventilators, pipes, ductwork, cowls and the like, of sheet iron or steel	..	(a)	0.7	142	..	..	..	(a)	5.3	838
Machinery and plant and parts										
Food preparation, processing and sterilising machinery	..	128	..	59	..	187	-	-	..	187
Laundering and dry cleaning machinery	..	320	-	-	..	320	-	-	..	320
Textile machinery, including accessories	..	(a)	-	-	..	..	..	(a)	..	233
Machine tools, metal working, and engineers' small tools	..	330	-	-	..	330	-	-	..	330
Mechanical handling equipment	..	74	-	-	..	74	-	-	..	74
Other	..	(a)	..	28	..	..	..	(a)	..	1,876
Other products of the Mechanical Engineering (General) Trade	11.8	1,472	-	5	11.8	1,477	-	-	11.8	1,477
Glazing bars	0.5	394	-	-	0.5	394	-	-	0.5	394
Temporary prefabricated house framework and frame sections, of steel and aluminium	0.8	164	-	-	0.8	164	-	-	0.8	164
Other iron and steel fabricated (staircases, etc.)	5.3	642	1.2	244	6.5	886	-	-	6.5	886
Tools and implements	..	(a)	..	(a)	Th. doz.	292.0	147	-	Th. doz.	292.0
Electrical goods and apparatus and parts	..	(a)	..	(a)	..	705	-	-	..	705
Parts and accessories of motor vehicles (excluding motor cycles, tri-cars and tractors)	..	(a)	..	(a)	..	..	..	(a)	..	1,162
Parts and accessories of non-mechanically propelled cycles	..	45	-	-	..	45	-	-	..	45
Non-mechanically propelled vehicles (except cycles) and parts	..	(a)	..	(a)	..	125	-	-	..	125
Aircraft parts and accessories	..	159	-	-	..	159	-	-	..	159
Toys, mainly of metal	..	(a)	..	(a)	..	553	-	-	..	553

METAL GOODS NOT ELSEWHERE SPECIFIED COUNTRY TABLES

Manufactures of iron and steel wire	1.8	356	..	8	Th. tons	1.8	356	-	Th. tons	1.8	356
Metal manufactures not elsewhere specified	..	217	..	..	..	..	225	-	..	..	225
Of iron and steel	5.1	432	..	8	5.1	432	-	-	5.1	432	
Of brass and other copper alloys, including nickel silver but excluding all other nickel alloys	..	404	..	..	..	411	-	-	..	411	
Stampings and pressings, in the rough or machined	1.3	907	-	-	1.3	907	-	-	1.3	907	
Stoves for liquid fuel, pressure burner types, and parts thereof	..	(a)	..	(a)	Thous.	82	117	-	Thous.	82	117
Builders' and cabinet makers' goods	..	71	-	-	..	71	-	-	..	71	
Art metal work	..	292	-	-	..	292	-	-	..	292	
Other	1.6	703	..	1	Th. tons	1.6	703	-	Th. tons	1.6	703
Of aluminium	..	(a)	..	(a)	..	624	-	-	..	624	
Of lead	..	105	-	-	..	286	-	-	..	286	
Of other metals and alloys	0.1	87	-	-	0.1	105	-	-	0.1	105	
Of unclassified metals	..	117	-	-	..	87	-	-	..	87	
Furniture and other manufactures of wood	..	276	-	-	..	117	-	-	..	117	
Aseptic hospital furniture	..	(a)	..	(a)	..	276	-	-	..	276	
Composite containers, partly of metal	..	(a)	..	(a)	..	747	-	-	..	747	
Complete	1.1	231	-	-	1.1	241	-	-	1.1	241	
Covers and other components, sold separately	..	65	-	-	..	89	-	-	..	89	
Other goods	..	1,761	..	40	..	1,801	-	-	..	1,801	
Waste products sold											
Scrap metals											
Iron and steel	..	(a)	5.9	38	..	..	..	(a)	207.4	1,254	
Aluminium and aluminium alloys	..	(a)	0.2	18	..	..	..	(a)	5.6	544	
Brass	4.5	680	-	3	4.5	683	-	-	4.5	683	
Zinc and alloys of zinc	..	(a)	0.8	83	..	..	..	(a)	7.3	777	
Other scrap metals and waste products	..	(a)	0.2	16	..	..	..	(a)	6.1	430	
Iron and steel structural work (c)(d)											
Work done as main contractors		(a)		(a)		667		-		667	
Work done as sub-contractors		(a)		(a)		..		(a)		430	
Other work (c)		(a)		34		..		(a)		932	
Total		232,413		9,875		242,298		1,639		243,927	

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

(b) So far as recorded separately.

(c) Amount charged.

(d) Value of work done during the year, exclusive of the value of goods used by firms and recorded as their output. The total value of such goods was £2,977,000 (United Kingdom); owing to the risk of disclosure of information relating to individual firms, separate particulars for England and Wales, Scotland and for Northern Ireland cannot be given.

Stocks of products on hand for sale and work in progress,  
and stocks of materials and fuel

## Larger establishments

TABLE 21

£'000

		England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Products on hand for sale	{ at beginning of year	4,690	138	4,828	11	4,838
	{ at end of year	5,189	150	5,340	11	5,351
Work in progress	{ at beginning of year	7,896	340	8,236	9	8,244
	{ at end of year	9,036	394	9,430	10	9,440
Total products on hand for sale and work in progress	{ at beginning of year	12,586	478	13,063	19	13,083
	{ at end of year	14,225	545	14,770	21	14,790
Materials and fuel	{ at beginning of year	19,246	1,063	20,309	112	20,421
	{ at end of year	25,681	1,342	27,022	139	27,161

Employment in September  
Larger establishments (a)(b)

TABLE 22

## (i) Operatives

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	5,115	468	5,583	67	5,650
All ages	87,440	4,211	91,651	406	92,057
Females					
Under 18	4,208	266	4,474	13	4,487
All ages	54,583	2,086	56,669	176	56,845
Total					
Under 18	9,323	734	10,057	80	10,137
All ages	142,023	6,297	148,320	582	148,902

## (ii) Administrative, technical and clerical employees

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	588	36	624	3	627
All ages	17,326	655	17,981	63	18,044
Females					
Under 18	1,488	120	1,608	4	1,612
All ages	10,591	445	11,036	48	11,084
Total					
Under 18	2,076	156	2,232	7	2,239
All ages (c)	27,917	1,100	29,017	111	29,128

TABLE 22 (contd.)

## (iii) Total employees

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	5,703	504	6,207	70	6,277
All ages	104,766	4,866	109,632	469	110,101
Females					
Under 18	5,696	386	6,082	17	6,099
All ages	65,174	2,531	67,705	224	67,929
Total					
Under 18	11,399	890	12,289	87	12,376
All ages (c)	169,940	7,397	177,337	693	178,030

(a) Excluded employees. The number of persons employed at the larger establishments in this trade but not included in the above tables or in any other Census of Production report (employees in Great Britain engaged, for example, in merchandising and in Northern Ireland canteen and welfare workers) are shown in Table 22(v) below.

(b) Number employed in the week ended September 22, 1951.

(c) Working proprietors. In addition working proprietors, shown in Table 22(iv) below, were engaged in this trade in larger establishments.

## (iv) Working proprietors

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males	(d)	28	(d)	(d)	352
Females	(d)	-	(d)	(d)	18
Total	323	28	351	19	370

## (v) Excluded employees

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Canteen workers					
Males	(d)	(d)	51	-	51
Females	(d)	(d)	1,616	6	1,622
Total	1,622	45	1,667	6	1,673
Other workers					
Males	752	20	772	-	772
Females	267	9	276	-	276
Total	1,019	29	1,048	-	1,048
Total excluded employees	2,641	74	2,715	6	2,721

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

## Average employment

## Larger establishments (a)

TABLE 23

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Operatives	142,269	6,189	148,458	563	149,021
Administrative, technical and clerical employees	27,579	1,088	28,667	111	28,778
Total	169,848	7,277	177,125	674	177,799

(a) For employment in small firms in Great Britain (employing on the average ten or fewer persons) that made satisfactory returns see Table 19.

Outworkers. In addition to the employees shown above the firms in this trade employed 77 male and 485 female outworkers, all in England and Wales.

Wages and salaries and employers' National Insurance  
contributions paid during the year  
Larger establishments

TABLE 24 £'000

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Wages and salaries (a) of					
Operatives	44,691	1,859	46,549	143	46,692
Administrative, technical and clerical employees	14,481	535	15,016	48	15,063
Total	59,172	2,394	61,565	191	61,756
Employers' contributions to all National Insurance Schemes	1,604	69	1,673	6	1,679

(a) Including bonus and commission payments but excluding £56,000 paid to outworkers employed in England and Wales.

Plant, machinery and vehicles - acquisitions and disposals,  
and capital expenditure on new building work  
Larger establishments

TABLE 25 £'000

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Plant, machinery and vehicles					
Acquisitions					
Plant and machinery					
New	4,036	140	4,176	28	4,204
Second-hand	425	4	430	2	432
Vehicles					
New	841	31	872	4	876
Second-hand	327	14	342	2	343
Total acquisitions	5,630	190	5,819	36	5,855
Disposals					
Plant and machinery	489	10	499	2	501
Vehicles	259	14	273	-	273
Total disposals	748	23	772	2	774
New building work					
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	1,352	31	1,382	1	1,383

Payments for transport services for finished goods  
sold and materials and fuel purchased  
Larger establishments

TABLE 26 £'000

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Amounts paid to other firms and undertakings	3,970	199	4,169	59	4,229
Amount paid or credited to firms' own separate transport organisations	187	14	200	-	200
Total	4,157	213	4,370	59	4,429

## GENERAL NOTES

The following brief notes refer to Great Britain and, unless otherwise stated, to the census of production for 1951. Reference should be made to the separate booklet in this series entitled 'The Report on the Census of Production for 1951: Introductory Notes' (price 1s.6d. net) for particulars of the minor differences in the Northern Ireland censuses and other details about the census of production.

**Trade classification:** Establishments are classified to trades according to the nature of their output. Certain products, called principal products, are identified as characteristic of the production of individual trades, the principal products for a given trade being of a similar nature or commonly associated in production. An establishment is classified to a trade if its output of principal products of that trade accounted for a greater proportion of the value of its output than did its output of principal products of any other trade.

**The establishment:** The basic unit for the collection of information is generally the establishment which in most cases comprises the whole of the premises under the same ownership or management at a particular address (e.g., a factory). Offices, warehouses and other ancillary places of business situated apart from the producing works are included in the return for the works.

**Larger establishments and small firms:** Larger establishments are those which employed more than 10 persons on the average during the year; small firms are those employing on the average 10 or fewer persons.

**Working proprietors** are proprietors of businesses other than limited companies, and include members of their families who work in the business without receiving fixed wages or salaries. Any persons working less than half the normal hours are excluded.

**Persons employed:** Administrative employees include directors other than those paid by fee only, managers, superintendents and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and tracers; and travellers and office (including works office) employees. Operatives include all other classes of employees, that is, broadly speaking, all manual workers.

All these figures exclude canteen employees and persons engaged in merchandising or any other activity not covered by a firm's return who are shown separately as excluded employees.

Figures for employees include only persons on the pay-roll (that is whose National Insurance cards were held by the firm), whether full-time or part-time employees.

**Outworkers,** who are shown separately, are persons employed by the firm who work on materials supplied by the firm, but do not work on the premises; operatives directly employed who work out of doors (e.g., maintenance workers) and sub-contractors are not included as outworkers.

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

**Capital expenditure:** Expenditure on plant, machinery and vehicles relates to expenditure charged to capital account during the year of return, including transport and installation costs involved. Expenditure on new building work is similarly that charged to capital account during the year.

**Materials and fuel:** The cost of materials and fuel purchased includes all purchases during the year of materials for use in production and of fuel (including oil, gas, and electricity for all purposes, including heating and lighting); all packing materials, including the full cost of returnable containers when first purchased; workshop materials; office materials; water charges; materials for repairs to firms' own buildings, plant and vehicles when carried out by

their own work people included in the return; and consumable tools and parts for machinery purchased as replacement. Materials, components, etc. which were purchased and re-sold in the same state (that is, merchanted or factored goods) were excluded. For 1951 firms in many trades were required to state the quantities of certain purchased materials used.

**Stocks and work in progress:** Firms were instructed to give these at income tax value.

**Output:** 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. For all post-war censuses the value of sales was the net selling value, that is, 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.

**Gross output** of a trade is the total value of goods made and other work done during the year; this means the value of sales and work done during the year adjusted for changes in the values of stocks.

**Net output** is the amount left after deducting from the value of gross output the aggregate of the cost of materials and fuel used and the amount paid for work given out and, for 1951, any transport payments included in firms' returns. 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.

**Customs and Excise Duty** paid on materials purchased is included in the cost of materials, but where it is especially important separate figures are shown.

**Later reports:** Reports will be published later summarising the main census results and giving information about power equipment and fuel consumption.

**Disclosure of information:** The report has been prepared in conformity with the disclosure provisions of the Statistics of Trade Act, 1947. Figures have been combined with others of a similar nature in certain cases where publication of separate details might disclose the operations of an individual firm.

**Symbols used:** '...' for 'Not available', '-' for 'Nil or negligible (less than half the final digit shown)'

The figures in the tables have been rounded off to the nearest final digit, and there may be an apparent slight discrepancy between the sums of the constituent items and the totals shown.

Tables 1 to 17 show figures for the United Kingdom (or Great Britain).

Tables 18 to 26 are country tables and give, where practicable, separate details for England and Wales, Scotland and Northern Ireland.

Table 6: Specialist producers refer to those establishments 50 per cent. or more of whose total output by value is accounted for by the groups of products specified.

Table 8 (or 8(i)) shows the total sales of principal products of the trade, and includes therefore the sales of these products returned by establishments whether classified to the trade or to other trades. Those produced by establishments in other trades are shown in Table 9.

Table 10 shows the sales by establishments in the trade of products other than those regarded as principal products of the trade.

Table 20 (or 20(i)) shows sales by establishments in the trade of products, whether principal products or not, and broadly the aggregates here are equal to the corresponding figures in Table 8 (or 8(i)) less those in Table 9, plus those in Table 10.

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