



BOARD OF TRADE

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FINAL REPORT
on the
CENSUS OF PRODUCTION
FOR 1948

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
(10 & 11 Geo. 6, Ch. 39, Sec. 7).*

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 In interpreting the data in the following tables, it is essential to bear in mind not only the qualifications mentioned in this report but also the general explanations and qualifications contained in the separate booklet published in this series by H.M. Stationery Office entitled "Final Reports of the Census of Production for 1948: Introductory Notes", price 2s.0d. NET

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* Not applicable to this trade

HARDWARE, HOLLOW-WARE, METAL FURNITURE AND SHEET METAL

5/E/1

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 in 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. Two Government establishments are included in 1948. No production was recorded by Government Departments for 1937 or 1935.

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

Any establishments in Northern Ireland are excluded in 1948. Owing to the risk of disclosure of information relating to individual firms, separate particulars of the very small output in Northern Ireland were not published for 1935.

METAL GOODS NOT ELSEWHERE SPECIFIED
 HARDWARE, HOLLOW-WARE, METAL FURNITURE AND SHEET METAL TRADE

Summary

Larger establishments

TABLE 1

	1948 (a)	1946 (b)	1937 (b)	1935 (b)
	£'000	£'000	£'000	£'000
Gross output (production)	179,832	127,704	52,812	39,910
Cost of materials and fuel used	89,295	62,113	26,991	19,432
Payment for work done on materials given out	2,560	1,576	320	222
Excise duty	208	..	..	..
Net output	87,770	64,015	25,501	20,256
Wages and salaries of persons employed	51,392	37,413	..	..
	No.	No.	No.	No.
Average number of persons employed (c)	175,297 (d)	154,139	124,168	107,590
	£	£	£	£
Net output per person employed (c)	501	415	205	188
Stocks at end of year	£'000	£'000	£'000	£'000
Finished products and work in progress	11,674	7,488	..	..
Materials and fuel	20,866	13,353	..	..
	No.	No.	No.	No.
Number of establishments	1,951	..	..	1,196

(a) Great Britain only.

(b) United Kingdom.

(c) Excluding outworkers.

(d) For an estimate of the total number of persons employed in this trade see Table 3.

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

	1948	1946	1937	1935
	£'000	£'000	£'000	£'000
Output of firms in this trade				
Total value of sales (1948 and 1946) or production (1937 and 1935)				
Principal products (see Table 8)	156,048	126,317	46,646	36,097
Other output (see Table 10)	24,406		6,166	3,813
Adjustment for changes in stocks and work in progress	+ 1,709 (a)	+ 1,387		
Less payment for transport by other firms	182,163 2,332	127,704	52,812	39,910
Gross output (production)	179,832	127,704	52,812	39,910
Materials and fuel used by firms in this trade				
Purchases (see Table 13)	90,774	64,650	26,991	19,432
Adjustment for changes in stocks	- 1,480 (a)	- 2,537		
Materials and fuel used	89,295	62,113	26,991	19,432

(a) See Table 14.

Summary, 1948

Small firms in Great Britain

TABLE 2

Number of returns	2,509
Average number of persons employed (a)	
Males	11,327
Females	2,473
Total	13,800

(a) Including working proprietors.

Estimated average employment, 1948

All firms in Great Britain

TABLE 3

As returned by firms	
Employing on average more than ten persons (a)	175,297
Employing on average ten persons or less (b)	13,800
	189,097
Estimated average employment in firms not making satisfactory returns	3,284
Estimated average employment in all firms	192,381

(a) See Tables 1 and 15.

(b) See Table 2.

Analysis by size, 1948

Larger establishments in Great Britain

TABLE 4

Average number employed	Establishments	Gross output	Net output	Persons employed	Remuneration			Net output per person employed
					Wages	Salaries	Total	
	No.	£'000	£'000	No.	£'000	£'000	£'000	£
11-24	619	8,991	5,399	11,013	2,510	669	3,179	490
25-49	544	17,048	9,629	19,105	4,521	1,191	5,712	504
50-99	401	27,175	14,014	27,616	6,458	1,815	8,273	507
100-199	208	28,098	14,642	29,142	6,889	1,848	8,736	502
200-299	68	16,706	7,947	16,664	3,823	1,077	4,900	477
300-399	29	11,927	5,380	10,049	2,448	670	3,118	535
400-499	22	13,916	5,327	9,761	2,185	685	2,870	546
500-749	32	21,609	10,232	19,673	4,055	1,335	5,390	520
750-999	15	11,581	5,564	13,157	2,650	703	3,353	423
1,000-1,499	6	7,144	3,727	7,250	1,670	638	2,308	514
1,500 and over	7	15,638	5,908	11,867	2,735	818	3,553	498
Total	1,951	179,832	87,770	175,297	39,943	11,448	51,392	501

Analysis by standard region, 1948

Larger establishments in Great Britain

TABLE 5

Region	Establishments	Gross output	Net output		Persons employed	Remuneration		
			Value	Percentage of total		Wages	Salaries	Total
	No.	£'000	£'000		No.	£'000	£'000	£'000
England								
Northern	56	5,687	2,473	2.8	5,921	1,160	323	1,483
East and West Ridings of Yorkshire	130	10,706	5,418	6.2	10,383	2,272	695	2,967
North Midland	51	6,223	2,503	2.9	5,690	1,194	317	1,511
Eastern	41	6,788	3,468	4.0	5,915	1,430	514	1,944
London and South Eastern	511	39,032	19,953	22.7	37,912	8,851	3,025	11,876
Southern	53	3,845	1,852	2.1	4,004	875	258	1,133
South Western	43	3,494	1,699	1.9	3,626	820	223	1,043
Midland	692	61,370	31,956	36.4	61,723	14,555	3,666	18,221
North Western	225	22,876	10,741	12.2	21,584	4,759	1,472	6,231
Total England	1,802	160,020	80,063	91.2	156,758	35,916	10,492	46,408
Wales	62	13,243	4,528	5.2	11,319	2,368	593	2,961
Scotland	87	6,569	3,179	3.6	7,220	1,660	363	2,023
Great Britain	1,951	179,832	87,770	100.0	175,297	39,943	11,448	51,392

Analysis according to specialisation within the trade, 1948

Larger establishments in Great Britain

TABLE 6

	Establishments	Gross output	Sales of characteristic products	Net output	Persons employed	Remuneration			Net output per person employed
						Wages	Salaries	Total	
	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Specialist producers of									
Domestic hollow-ware (excluding hollow-ware of cast iron)	161	18,154	14,188	9,346	19,266	4,294	1,046	5,340	485
Metal boxes and containers (excluding composite containers partly of metal)	102	28,758	24,496	8,786	24,113	4,186	1,301	5,487	364
Other hollow-ware (excluding hollow-ware of cast iron)	85	12,514	8,635	5,645	9,674	2,382	579	2,961	583
Metal furniture other than aseptic hospital furniture and cash and deed boxes	161	18,967	13,265	9,767	16,111	4,068	1,164	5,232	606
Metal door and window frames and casements	60	13,164	10,569	7,169	12,792	3,128	1,273	4,400	560
Safes, locks, latches, keys and cash and deed boxes	87	6,160	5,049	4,072	8,917	1,910	460	2,370	457
Finishing of metal goods	324	9,549	8,348(a)	6,278	12,341	3,284	748	4,032	509
Remainder of the trade	971	72,566		36,705	72,083	16,692	4,876	21,568	509
Total	1,951	179,832		87,770	175,297	39,943	11,448	51,392	501

(a) Amount charged.

TABLE 7 - Total make of intermediate products: Larger establishments

This table is not applicable to the trade.

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

Larger establishments

TABLE 8

	1948 (a) Sales		1937 (b) Production		1935 (b) Production		
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000	Th. tons	£'000
Hollow-ware of wrought iron and steel for domestic purposes, other than boxes or containers but including dishes, trays, moulds and similar articles							
Not enamelled, tinned or galvanized	3.1	392	27	2.0	82	2.3	82
	..	88					
Enamelled Galvanized	17.8	3,035	36	19.9	1,469	21.4	1,400
	..	313					
Tanks and cisterns	21.3	1,637	53	4.0	138		
	Th. doz.,	Th. tons				33.8	977
Dustbins	87	9.0	64	28.4	1,040		
	56	..					
Buckets	422	7.4	44	28.4	1,040		
	136	..					
Other	8.7	858	72	16.8	864	16.1	716
	..	315					
Tinned or of tinplate	8.1	1,298	81	16.8	864	..	101
	..	654					
Unclassified	..	256	13	3.0	130	4.7	136
	Th. doz.,	Th. cwts.		Th. cwts.		Th. cwts.	
Hollow-ware of aluminium for domestic purposes, other than boxes or containers							
Kettles	99	11.7	38	76.5	1,175	71.9	1,009
	185	..					
Saucepans or stewpans	137	23.3	59	76.5	1,175	71.9	1,009
	252	..					
	..	2.9	59	76.5	1,175	71.9	1,009
					
Other	452	36.1	94	76.5	1,175	71.9	1,009
	690	..					
	..	10.5	94	76.5	1,175	71.9	1,009
					
Unclassified	..	..	22	1.390(c)			

TABLE 8 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Thous. Th. tons	£'000	No.	Th. tons	£'000	Th. tons	£'000
Hollow-ware for other purposes, including industrial							
Of wrought iron and steel							
Barrels, kegs and drums							
Of a capacity not exceeding 1 gallon	1,215 383 ..	1.3 .. 0.3	118 21 26	28	0.6 .. 42	0.2 .. 31	7(d) .. 31
Of a capacity over 1 gallon but not exceeding 5 gallons	8,286 2,424	22.9 ..	1,660 457	48	79.5	2,143(e)	70.6 1,570(e)
Of a capacity over 5 gallons	8,301	81.5	4,578	51			
Vats, tanks and cisterns							
Galvanized	4.7 ..	461 83	71	27.9	996		
Lined with glass or vitreous enamel	0.1	28	6	24.4	1,098	88.3	2,393(r)
Other	6.2 ..	739 405	113				
Unclassified	3.7 ..	399 51	58	61.3	1,393(f)		
Other sorts, not elsewhere specified							
Galvanized	5.3 ..	520 137	59	2.2	111		
Tinned or of tinplate	2.3 ..	427 52	51	9.8	426	6.5	245
Other	7.1 ..	758 324	118	..	168	..	91
Unclassified	0.4 ..	51 100	17	4.0	100		
Unclassified	1.8 ..	205 243	19	0.6 ..	15 5	0.8	19
	Th. cwts.			Th. cwts.		Th. cwts.	
Aluminium vats, tanks, cisterns, etc.	14.8 ..	236 208	49	10.9	136	2.5 ..	31 10

TABLE 8 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000	Th. tons	£'000
Boxes and containers, not elsewhere specified (including covers and other components therefor) (g)							
Of tinplate, black plate or terne plate							
Open top hermetically sealed	124.1	10,226	31	63.4	2,667		
For biscuits	9.3	776	25	10.3	496	161.9	7,314(1)
Other descriptions (h)	99.7 ..	11,046 1,323	202	110.6	6,094		
Unclassified	5.9 ..	577 1,019	28	-	-		
Of aluminium	Th. cwts 78.7 ..	1,392 730	96	..	(j)	..	(j)
	Thous. Th. cwts.			Th. cwts.		Th. cwts.	
Furniture of metal and parts thereof, other than aseptic hospital furniture and cash and deed boxes (k)							
Bedsteads							
Complete	149 53 ..	81.8	411 139 123	28	513.2	734	
Parts (including cased rods and rodding and finished tubes for bedsteads)	.. ..	55.8 ..	274 109	27	57.7 ..	58 43	468.5 567 148
Unclassified	..	34.1	100	16	-	-	
Cabinets (including filing and card index cabinets and plan files)							
Complete	367 ..	297.6 ..	2,069 359	108			
Parts	.. ..	5.0 ..	42 46	22			
Clothing lockers	.. ..	51.8 ..	349 202	56			
Storage cupboards	63 15 ..	80.6	576 147 185	75	729.5 ..	2,168 133 (1)	486.7 .. 70
Storage shelving and racking	.. ..	326.1 ..	1,300 634	140			
Tables and desks	47 29	37.5 .. 19.2 ..	485 94 101 112	84			

TABLE 8 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000
Furniture of metal and parts thereof, other than aseptic hospital furniture and cash and deed boxes (k) (contd.)							
Seating (except pedestal chairs with reclining movements)	25.1 ..	347 963	57				
Metal kitchen and bathroom units (sinks, etc.) (m)	62.1 ..	1,055 631	19				
Ships' berths and similar built-in furniture on ships (m)	36.9	349	7				
Office sundries	21.5 ..	234 104	53				
Other metal furniture (including industrial sundries) and parts, not elsewhere specified	165.0 ..	1,593 2,189	251				
Hearth furniture, not elsewhere specified	Th. doz.						
Fireguards							
Folding pattern	3 ..	5 21	8				
Light nursery	8 ..	38 18	8	163.3 ..	596 157	150.3 ..	592 182
Coal boxes	15	120	44				
Other	..	753	73				
Wire mattresses	Th. cwts. 433.5 ..	1,468 1,271	85	392.1	651	350.7 Thous. 452 ..	581 464 209
Locks, latches, keys and blanks, including parts of locks	Th. doz. Th. cwts.			Th. doz. Th. cwts.			
Padlocks	299 309 ..	12.2 .. 7.4	354 272 115	42	248	7.1	142
Locks for trunks, travelling bags, suitcases and attache cases, other than padlocks	852 55	12.6 ..	266 78	17	1,643	41.2	268
Locks for furniture	313 226	10.2 ..	265 187	32			
Rim locks, mortices locks, cylinder latches and other similar locks for buildings, with or without handles	441 437	63.8 ..	1,082 1,023	47			172.4 ..
Other locks and latches	355 191 ..	19.4	366 125 91	41	1,296 ..	136.0 ..	848 135

TABLE 8 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000
Locks, latches, keys and blanks, including parts of locks (contd.)							
Keys and blanks, and parts of locks and latches	6.5 ..	109 93	41				
Unclassified	-	-	-	..	329		
Bolts and hasps of metal (other than brass), and blanks and parts therefor (n)	29.7 ..	227 107	35	Th. cwts. 39.1	99		
Hinges, hinge blanks and parts therefor	200.7 ..	937 176	66	177.9 ..	322 102	165.2 ..	296 (o) 85
Of cast or wrought iron and steel							
Of non-ferrous metals, except brass (n)	1.6 ..	33 40	17	2.4 ..	27 6		
Safes	Thous. Th. cwts.						
Metal or metal framed, over 1,000 cu. ins., with one or more metal walls over 1/4 in. gauge	3 ..	35.1 6.9	292 37	10			
Insulated safe equipment	.. ..	40.5 ..	215 35	7	50.9 ..	206 43	65.0 ..
Other safes	6 1 ..	11.4	102 28 87	13			
Strong rooms, strong room doors, safe deposit equipment and night safes	Th. cwts. 18.7 ..	217 29	13	..	106	..	118
Cash and deed boxes	6.9 ..	70 103	37	12.0 ..	73 38	12.2 ..	65 34
Trunks, suitcases, etc. of sheet metal	5.7 ..	58 37	20				
Lamps and lanterns (other than motor and cycle lamps, blow lamps, brazing lamps and lamps of brass)	Thous.			Thous.		Thous.	
Hurricane lamps	1,451	337	7	1,445 ..	321 43	2,391 ..	263 (p) 64
Other lamps and lanterns	1,652 ..	523 140	63				
Parts of lamps and lanterns (m)	..	123	16	..	78	..	74
Lighters, mechanical, other than of precious metals or plastic materials							
Complete (with or without flint)	3,152 ..	1,566 174	36	309 ..	57 19	376	49
Component parts, not including flints	..	66	24	..	2	..	2

TABLE 8 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000
Engineers' and mechanics' goods of copper (including fittings for water supply)	70.5	1,229	43	63.4	421	30.5	185 (m)
Boilers and cylinders	..	425		..	69	..	230
Bathroom and sanitary fittings	10.0	294	20	5.3	49	18.6	92
	..	90		..	15	..	100
Other	8.3	255	35	23.4	150		
	..	353					
Metallic closures for bottles, jars, cans and similar containers (excluding crown corks, covers for metal and composite containers and cork stoppers partially manufactured from metal)	Mill.	Th. cwts.		Mill.	Th. cwts.		
Lead capsules	182	20.5	467	..	328	34.1	271
Aluminium capsules	1,058	18.8	817 (q)	20			310.9
Black plate or tinplate closures	203	..	220				
Other metallic closures	1,057	181.2	1,724	49			
	200	19.0	509	34	3,894	321.8	1,815
	23	..	51				
	..	8.5	61				
Unclassified	83	15.0	157	..			
	33	..	33				
Crown corks	4,576	281.3	2,205	9			
Cooking and washing boilers, other than cast iron	Th. cwts.			Th. cwts.			
Complete	104.6	1,091	46	200.9	716	179.4	536
	..	1,111					
Parts	6.2	55	25	3.1	13	2.2	6
	..	553					..
Stoves and fires, other than cast iron, for domestic heating and for cooking (other than industrial) (r)							
Complete							
For gas (with or without elements)	229.3	2,672	28	59.8	424		
For coal and other solid fuel	27.8	99	14	35.1	123		
	..	39					
For electricity (excluding electric fires) (s)	2.8	83	23	..	(j)	137.3	945
	..	73					
For liquid fuel, other than pressure burner types (t)	44.2	753	21	35.1	221		
	..	532					
Parts							
For gas	155.4	953	42	176.1	353		
	..	113					
For coal and other solid fuel	49.9	205	22				
	..	83					

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TABLE 8 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000
Stoves and fires, other than cast iron, for domestic heating and for cooking (other than industrial) (r) (contd.)							
Parts (contd.)						137.1	317
For electricity (excluding parts for electric fires) (s)	27.7	164	35	14.7	57		
For liquid fuel, other than pressure type oil burning stoves (t)	..	159	14				
Catering equipment, not elsewhere specified	58.6	1,071 (u)	162	14.6	113	17.9	119 (m)
	..	1,134		..	52	..	24
Metal doors other than for strong rooms (m)	107.8	608	69	101.0	266	62.1	180
	..	147		..	56	..	23
Door and window frames and casements	Th. tons			Th. tons		Th. tons	
Of iron and steel	69.9	8,492	138	73.2	4,091	62.5	3,014
Of other metals	89.6	1,477	28	-	-	1.2	5
	..	154		..	..	..	2
Metal furnishings for doors and windows (m)	239.8	2,117	57	33.6	122	-	-
	..	621					
Fire extinguishing apparatus (n)	61.0	1,252	25	77.6	700	55.1	519
	..	1,012					
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	39.2	483	46	144.3	469	..	380 (v)
	..	127					
Domestic utensils and appliances, not elsewhere specified	107.0	996	168	126.6	602	90.4	462
	..	1,769		..	71	..	101
Poultry appliances	52.4	388	43	28.9	77	40.3	103 (m)
	..	220		..	34		
Agricultural and horticultural appliances, not elsewhere specified	184.3	1,226	156	42.0	152 (m)	17.4	56 (m)
	..	687		..	54	..	127
Churns for the conveyance of milk	70.2	403	11	31.9	110	32.9	113
	..	84					
Other dairy equipment, excluding machinery (m)	9.5	175	19	32.3	130	36.0	159
	..	190		..	16	..	30
Builders' ironmongery and hardware, not elsewhere specified (m)	254.1	1,283	125	233.1	619	357.9	620
	..	495		..	95	..	140

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TABLE 8 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000
Castors (cabinet makers' goods) of metals other than brass (m) (n)	8.7 ..	73 141	8				
Other cabinet makers' goods of iron and steel, not elsewhere specified (m)	16.0 ..	163 255	26	53.2 ..	230 120	49.0 ..	173 89
Art metal work of iron and steel (m)	4.0 ..	63 206	15	19.5 ..	88 206	13.3 ..	91 98
Enamelling stoves, drying plant stoves, case hardening pots, etc. (m)	7.1 ..	24 142	8	147.2	188	67.5	94
Tinned plates, sheets and strips, decorated, printed, etc. sold in the flat or partially shaped, for boxes and other containers	Th. tons 35.3	1,834	34	Th. tons 9.2	246	Th. tons ..	(j)
Expanded metal of iron or steel, and other iron and steel reinforcements, for concrete (w)	25.6	1,509	17	79.7	1,569	73.6	1,046
Stampings and pressings in the rough or machined, not elsewhere specified							
Of iron and steel	70.9 ..	7,497 4,884	558	70.9 ..	3,156 2,624	63.2 ..	2,333 1,739
Of other metals, except brass (n)	Th. cwts 37.6 ..	618 675	25	Th. cwts 42.9 ..	411 107	Th. cwts. 66.5 ..	434 262
Pressed shelf or angle brackets of iron or steel, under 7 lbs. in weight	9.7 ..	64 10	24	5.8	11	4.8	9
Vermin and similar traps (m)	Th. gross 26 ..	66 10	5	..	42(x)	..	29(x)
Perforated metal, not elsewhere specified	Th. tons			Th. tons		Th. tons	
Of iron and steel	7.0 ..	650 84	20	6.7	261	5.0	133
Of other metals (n)	1.6 ..	281 86	8	2.2	122	1.6	87
Case linings and fittings of tinplate, black plate or terne plate	0.8 ..	73 27	34				
Heating or lighting equipment, fittings, etc., of sheet metal	3.0 ..	412 321	92	..	(j)	..	(j)
Steel wool and steel shavings, not packed with cleansing agents	1.1	196	5				

TABLE 8 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Thous.	Th. cwts.	£'000	No.	£'000	Quantity	Value
Coldroom and refrigerator cabinets of steel, etc. (m)	11	3.0 28.8 ..	130 372 342	15	-	-	-
Cold formed sections of steel (m)	Th. cwts. 185.8 ..	476 921	23	-	-	-	-
Cold formed sections of aluminium or aluminium alloys (m)	53.2 ..	597 398	7	-	-	-	-
Aluminium ladders and steps (m)	2.8 ..	80 116	..	-	-	-	-
Castors (industrial) of metals other than brass (m) (n)	8.0 ..	62 209	6	-	-	-	-
Reconditioned kegs and drums of wrought iron and steel (m)	Thous. 541 ..	313 111	13	-	-	-	-
Machinery guards of sheet metal (m)	54.0 ..	359 348	136	-	-	-	-
Other metal manufactures, mainly sheet metal, not elsewhere specified	Th. tons 31.2 ..	2,398 1,560	232	Th. tons 27.8 ..	1,160 315	Th. tons 17.3 ..	784 202
Of iron and steel	..	593	78	..	76(y)	..	67(y)
Of other metals, except brass (n)	..	86	88	..	76(y)	..	67(y)
Waste products other than scrap metal, concentrates, metallic residues, etc.	..	86	88	..	76(y)	..	67(y)
Work done for the trade or on commission	Amount charged £'000			Amount received £'000		Amount received £'000	
Galvanizing		2,643	101		853		543
Japanning, lacquering or enamelling		2,049	184		579		577
Plating		4,830	320		1,011		761
Tinning		421	67		74		62
Other work		3,017	346		143		91

TABLE 8 (contd.)

	1948 (a) Sales		1937 (b) Production		1935 (b) Production	
	Quantity	Amount charged	Quantity	Amount received	Quantity	Amount received
		£'000	No.	£'000		£'000
Jobbing ironmongery and repair work		1,162	252	142		123
Total		174,529	..	54,873		42,930
Less sales (or production) in other trades (see Table 9)		18,480	..	8,027		6,833
Total principal products of this trade sold or made by establishments in the trade		156,048	1,854	46,846		36,097

- (a) Great Britain only.
 (b) United Kingdom.
 (c) May include some aluminium hollow-ware for other than domestic purposes.
 (d) Of less than one gallon capacity.
 (e) Capacity one gallon and over.
 (f) Including oil storage tanks, assembled or not, which in 1948 are recorded in the Mechanical Engineering (General) Trade (Volume 4, Trade I).
 (g) In addition to the sales recorded above for 1948, the following quantities of tin boxes and containers are recorded as having been made for their own use by firms making returns as under:-

	Th. tons
By firms making returns in the Biscuit Trade	1.1
By firms making returns in the Cocoa, Chocolate and Sugar Confectionery Trade	4.5

- (h) Excluding composite containers, partly of metal (so far as recorded separately for 1937 and 1935) for which see the Cardboard Box, Carton and Fibre-Board Packing Case Trade (Volume 10, Trade H).
 (i) Including tinned plates, sheets and strips, printed, etc., for boxes and containers.
 (j) Not recorded separately.
 (k) For aseptic hospital furniture see the Scientific, Surgical and Photographic Instruments, etc. Trade, (Volume 5, Trade H)
 (l) Recorded as:-

	1937		1935	
	Th. cwt.	£'000	Th. cwt.	£'000
For office use	518.6	1,536	369.5	1,071
For domestic use	{ 6.6 .. }	{ 40 8 }	8.0	41
For other use (including hospital furniture, other than aseptic)	{ 204.3 .. }	{ 592 125 }	{ 109.2 .. }	{ 294 70 }

- (m) So far as recorded separately.
 (n) For goods of brass, see the Brass Manufactures Trade (Volume 5, Trade F).
 (o) Described as "Bolts, hasps and hinges of metal".
 (p) Including some lamps for cycles.
 (q) In addition to the sales 6,782,000,000 milk bottle caps of aluminium were made by milk distributors for their own use.
 (r) Described in 1937 and 1935 as "Stoves for domestic cooking and heating", but excluding stoves of cast iron. For cast iron stoves see the Iron Foundries Trade (Volume 3, Trade C).
 (s) For electric fires and parts, see the Electrical Engineering (General) Trade (Volume 4, Trade K).
 (t) For pressure type stoves see the Brass Manufactures Trade (Volume 5, Trade F). The figures shown for 1937 and 1935 may include some stoves (or parts) of that type.
 (u) Including fish frying ranges and cookers for hotels and restaurants, which were recorded under "Stoves for domestic cooking and heating" in 1937 and 1935.
 (v) Described as "Enamelled signs and hearth plates".
 (w) 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).
 (x) Described as "Vermin traps".
 (y) Described as "Waste products other than scrap iron and steel, scrap brass and spelter".

Sales (or production) of principal products of the trade by establishments classified to other trades

Larger establishments

TABLE 9

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000	Th. tons	£'000
Hollow-ware of wrought iron and steel for domestic purposes, other than boxes or containers but including dishes, trays, moulds and similar articles							
Enamelled	0.3 ..	39 4	5	..	1	-	-
Galvanised							
Tanks, cisterns and dustbins	0.3	28	10	0.6	17	0.8	25
Other	-	-	-				
Tinned or of tinplate	0.1 ..	6 33	7	..	1	..	3
Unclassified; and hollow-ware not enamelled, tinned or galvanised	..	79(c)		13	0.1	11	0.2	6
Hollow-ware of aluminium for domestic purposes, other than boxes or containers	Th. doz. Th. cwt.			Th. cwt.		Th. cwt.	
Saucepans or stewpans	48 12 ..	10.3 .. 1.4	184 48 20	11	1.6	21	1.3
Other, including kettles	9 .. ..	.. 0.4 ..	41 6 3				
Unclassified	..	..	74	8			
Hollow-ware for other purposes, including industrial	Thous. Th. tons			Th. tons		Th. tons	
Of wrought iron and steel							
Barrels, kegs and drums	287 4	1.3 ..	89 1	11	0.2 ..	8 41	0.3 ..
Vats, tanks and cisterns	Th. tons						
Galvanised	- ..	10 1	5	3.6	106		
Other, including vats, tanks and cisterns lined with glass or vitreous enamel	0.1 ..	21 51		24	5.3	305	45.9	1,016

TABLE 9 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000	Th. tons	£'000
Hollow-ware for other purposes, including industrial (contd.)							
Of wrought iron and steel (contd.)							
Vats, tanks and cisterns (contd.)							
Unclassified	3.7 ..	3.9 51	58	61.3	1,393		
Other sorts, not elsewhere specified							
Galvanised	- ..	6 1	5	..	1		
Other, including tinned or of tinplate	1.2 ..	54 38	20	1.0 ..	30 6	1.3 ..	33 2
Unclassified	0.4 ..	51 100	17	4.0	100		
Unclassified	..	181	14	0.6	15	0.3	10
Aluminium vats, tanks, cisterns, etc.	Th.cwts. 4.7 ..	55 37	13	Th.cwts. 0.4	5	..	1
Boxes and containers, not else- where specified (including covers and other components therefor)	Th. tons			Th. tons			
Of tinplate, black plate or terne plate	3.4 ..	368 562	55	0.6	34	0.7	38
Of aluminium	Th.cwts. 0.4 ..	3 88	8	-	-	-	-
Furniture of metal and parts thereof, other than aseptic hospital furniture and cash and deed boxes	Thous. Th. cwts.			Th.cwts.		Th.cwts.	
Bedsteads	11 6 ..	5.6	18 16 1	10	55.5	80	
Complete							
Parts (including cased rods and rodding and finished tubes for bedsteads)	..	..	98	7	1.7 ..	3 29	41.2 ..
Unclassified	..	34.1	100	-	-	-	-

TABLE 9 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Thous. Th. cwts.	£'000	No.	Th.cwts.	£'000	Th.cwts.	£'000
Furniture of metal and parts thereof, other than aseptic hospital furniture and cash and deed boxes (contd.)							
Cabinets (including filing and card index cabinets and plan files), complete and parts	.. ..	15.1 ..	109 111	29			
Clothing lockers	.. ..	3.5 ..	33 66	9			
Storage cupboards	1 1 ..	0.8	3 22 47	11			
Storage shelving and racking	.. ..	3.4 ..	23 147	24			
Tables and desks	1 15	0.2 .. 12.2 ..	1 32 59 50	19	108.4 ..	318 72	26.2 ..
Metal kitchen and bathroom units (sinks, etc.)	Th.cwts. 0.7 ..	15 51	6				
Office sundries	0.1 ..	2 8	7				
Other metal furniture (includ- ing industrial sundries) and parts, not elsewhere specified	22.4 ..	127 1,504	99				
Hearth furniture, not elsewhere specified	Th.doz. -						
Fireguards	..	1 2	..				
Coal boxes	-	-	-	1.1	5	0.3 ..	4 5
Other	..	28	..				
Wire mattresses	Th.cwts. 19.8 ..	85 815	63	92.9	158	59.3 Thous. 447 ..	98 456 121
Locks, latches, keys and blanks, including parts of locks	Th. doz. Th. cwts.			Th. doz. Th. cwts.		Th.cwts.	
Rim locks, mortice locks, cylinder latches and other similar locks for buildings, with or without handles	1 3	0.1 ..	2 7	..	14 ..	0.7 ..	7 1
Other locks and latches; includ- ing padlocks, locks for trunks, travelling bags, suitcases and attache cases, and locks for furniture, etc.	12	0.3 0.2 ..	6 4 6	7	2	0.1	2

TABLE 9 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
Locks, latches, keys and blanks, including parts of locks (contd.)	Th.cwts.	£'000	No.	Th.cwts.	£'000	Th.cwts.	£'000
Keys and blanks, and parts of locks and latches	1.8 ..	10 3	8	-	-	-	-
Bolts and hasps of metal (other than brass), and blanks and parts therefor	6.8 ..	48 6	7	24.2	57	28.2	51
Hinges, hinge blanks and parts therefor of metal, except brass	6.5 ..	19 59	19	40.1 ..	57 104	..	71
Safes (other than metal or metal framed, over 1,000 cu.ins., with one or more metal walls over 1/4 in. gauge, or insulated safe equipment); cash and deed boxes; and trunks, suitcases, etc. of sheet metal	0.3 ..	4 52	7	..	23	0.6 ..	2 25
Strongrooms, strong room doors, safe deposit equipment and night safes	-	-	-	-	-	..	5
Lamps and lanterns other than motor and cycle lamps, blow lamps, brazing lamps and lamps of brass	Thous. 36 ..	27 14	12	Thous. 18 ..	3 3	..	2
Parts of lamps and lanterns other than motor and cycle lamps, blow lamps, brazing lamps and lamps of brass	..	3	..	..	4	..	22
Lighters, mechanical, other than of precious metals or plastic materials						Thous.	
Complete (with or without flint)	130 ..	112 135	12	167 ..	34 19	142	21
Component parts, not including flints	..	20	11	..	1	..	1
Engineers' and mechanics' goods of copper (including fittings for water supply)	Th.cwts.			Th.cwts.		Th.cwts.	
Boilers and cylinders	1.8 ..	33 26	10	3.2 ..	9 10	7.1 ..	63 75
Bathroom and sanitary fittings	2.7 ..	71 59	10	1.7	17	16.3 ..	66 85
Other	3.3 ..	118 15	11	21.3	133	..	..

TABLE 9 (contd.)

	1948 (a) Sales				1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value	
	Mill.	Th.cwts.	£'000	No.	£'000	Th.cwts.	£'000	
Metallic closures for bottles, jars, cans and similar containers, including crown corks but excluding covers for metal and composite containers and cork stoppers partially manufactured from metal								
Aluminium capsules	38	0.7	29	..				
Black plate or tinsplate closures	1	0.7	7	..				
Other metallic closures, including lead capsules and crown corks	284 ..	23.4 0.5	411 11	8		Mill. 2 Th.cwts. 0.2	1 1.3 7	
Unclassified	33	..	33	..				
Cooking and washing boilers, other than cast iron, complete and parts	5.6 ..		54 683	17	0.6	2	0.4 1	
Stoves and fires, other than cast iron, for domestic heating and for cooking (other than industrial), excluding electric fires and pressure type oil burning stoves								
Complete	51.8 ..		320 191	14	47.7	317	78.3 517	
Parts	20.5 ..		76 35	9	25.7	53	- -	
Catering equipment, not elsewhere specified	4.2 ..		106 63	24	0.2	2	1.4 .. 1	
Metal doors other than for strong rooms	22.9 ..		161 123	52	60.2 ..	120 55	26.7 .. 53 22	
Door and window frames and casements of metal	Th.tons 5.8 ..		604 102	65	Th.tons 7.8	379	Th.tons 13.3 .. 268 1	
Metal furnishings for doors and windows	Th.cwts. 2.8 ..		63 109	27	Th.cwts. 4.8	18	- -	
Fire extinguishing apparatus	3.3 ..		98 92	8	7.5	79	5.7 49	
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	..		57	9	5.7	19	.. 19	

TABLE 9 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000
Domestic utensils and appliances not elsewhere specified	1.1	18	50	13.4	76	11.1	40
	..	478		..	23	..	68
Poultry appliances	..	21	6	3.9	4	0.4	1
Agricultural and horticultural appliances, not elsewhere specified	18.4	74	35	0.6	8	9.1	17
	..	420		..	5	..	10
Dairy equipment other than churns for the conveyance of milk, excluding machinery	6.5	113	8	4.5	35	7.4	53
	..	184		..	14	..	8
Builders' ironmongery and hardware, not elsewhere specified	67.7	327	56	106.7	221	275.1	357
	..	138		..	65	..	99
Castors (cabinet makers' goods) of metals other than brass; and other cabinet makers' goods of iron and steel, not elsewhere specified	3.4	50	16	1.5	5	1.4	15
	..	43		..	37	..	43
Art metal work of iron and steel	1.7	19	..	9.7	51	5.5	28
	..	1		..	14	..	52
Enamelling stoves, drying plant stoves, case hardening pots, etc.; tinned plates, sheets and strips, decorated, printed, etc. sold in the flat or partially shaped, for boxes and other containers; and vermin and similar traps	..	32	8	..	100	..	44
Expanded metal of iron or steel and other iron and steel reinforcements, for concrete; and perforated metal, not elsewhere specified	Th. tons			Th. tons		Th. tons	
	7.8	447	11	7.1	177	26.0	253
	..	1		..	..	..	3
Stampings and pressings in the rough or machined, not elsewhere specified							
Of iron and steel	22.5	1,997	237	20.7	855	21.6	670
	..	708		..	571	..	318
Of other metals, except brass	Th. cwts.			Th. cwts.		Th. cwts.	
	7.4	144	56	25.9	196	40.8	189
	..	146		..	67	..	131
Pressed shelf or angle brackets of iron or steel, under 7lbs. in weight	0.3	2	..	-	-	-	-
Case linings and fittings of tin-plate, black plate or terne plate	..	19	6	-	-	-	-

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TABLE 9 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000	Th. tons	£'000
Heating or lighting equipment, fittings, etc., of sheet metal	0.6	67	20	-	-	-	-
	..	76		-	-	-	-
Coldroom and refrigerator cabinets of steel, etc.	..	123	6	-	-	-	-
Cold formed sections of steel and of aluminium or aluminium alloy	Th. cwts.						
	121.2	353	9	-	-	-	-
	..	32		..	..	..	..
Reconditioned kegs and drums of wrought iron and steel	Th. tons		7	-	-	-	-
	51.0	26		..	..	..	..
Machinery guards of sheet metal	Th. cwts.		46	-	-	-	-
	12.9	83		..	..	..	..
Other metal manufactures, mainly sheet metal, not elsewhere specified	Th. tons			Th. tons		Th. tons	
Of iron and steel	0.3	40	30	14.0	568	9.2	370
	..	235		..	158	..	119
Of other metals, except brass	..	70	..				
Work done for the trade or on commission		Amount charged			Amount received		Amount received
Galvanizing		£'000	12		£'000		£'000
		148			338		210
Japanning, lacquering or enamelling		116	22		96		84
Plating		205	36		42		23
Tinning		1	..		6		3
Other work		106	11		5		6
Jobbing ironmongery and repair work		42	5		1		3
Total		18,480	..		8,027		6,833

(a) Great Britain only.

(b) United Kingdom.

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

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Sales (or production) in the trade of other than principal products

Larger establishments

TABLE 10

	1948 (a) Sales		1937 (b) Production	1935 (b) Production
	Quantity	Value	Value	Value
	Th. tons	£'000	£'000	£'000
Iron castings	4.2	359	124	45
	..	357		
Ventilators, pipes, ductwork, cowls and the like of sheet iron or steel	8.6	1,042	584	388
	..	372		
Machinery and plant and parts				
Food preparation, processing and sterilising machinery	0.3	51		
	..	276		
Washing machines	1.3	266		
	..	316		
Textile machinery, including accessories	..	270		
Machine tools, metal-working, and engineers' small tools	0.2	64		
	..	202		
Mechanical handling equipment	..	133		
Other	4.1	645	239	188
	..	604		
Other products of the Mechanical Engineering (General) Trade	6.6	1,048		
	..	163		
Glazing bars	1.2	387		
	..	90		
Temporary prefabricated house framework and frame sections, of steel and aluminium	4.0	266		
	..	229		
Other iron and steel fabricated (staircases, etc.)	6.3	476		
	..	189		
	Th. doz.			
Tools and implements	97.7	159	46	38
	..	366		
Electrical goods and apparatus and parts	..	589	239	90
Parts and accessories of motor vehicles (excluding motor cycles, tri-cars and tractors)				
Sheet metal work such as bumpers, dust shields, bonnets, mud guards, petrol tanks, etc.	..	573		
Other	..	708	463	269
Parts and accessories of non-mechanically propelled cycles	..	64		

TABLE 10 (contd.)

	1948 (a) Sales		1937 (b) Production	1935 (b) Production
	Quantity	Value	Value	Value
	Th. tons	£'000	£'000	£'000
Non-mechanically propelled vehicles (except cycles) and parts	..	398	80	38
Rail vehicles and parts	..	163		
Aircraft parts and accessories	..	801	39	9
Toys mainly of metal	..	669	107	83
Manufactures of iron and steel wire	1.2	358		
	..	85		
Metal manufactures, not elsewhere specified			503	272
Of iron and steel	8.1	543		
	..	291		
Of brass				
Stampings and pressings in the rough or machined	1.4	529	241	132
	..	353		
Stoves, pressure type oil burning, and parts thereof	0.4	241		
Builders' and cabinet makers' goods	0.5	280		
	..	91	930	703
Art metal work	..	158		
Other	1.9	972		
	..	349		
Of aluminium	0.5	279	168	39
	..	356		
Of other metals and alloys	1.4	354	313	243
	..	116		
Of unclassified metals	..	376	-	-
Furniture and other manufactures of wood	..	507	326	209
Aseptic hospital furniture	1.2	146		
	..	30		
Composite containers, partly of metal (including covers and other components therefor)	4.2	511	799	416
Other goods	..	1,596		
Scrap metal sold				
Iron and steel	166.4	625	412	260
	..	93		

TABLE 10 (contd.)

	1948 (a) Sales		1937 (b) Production	1935 (b) Production
	Quantity	Value	Value	Value
	Th. tons	£'000	£'000	£'000
Scrap metal sold (contd.)				
Brass	4.3	308	62	32
Zinc and alloys of zinc	10.6	447	93(c)	61(c)
Aluminium and aluminium alloys	4.1	209	39(d)	3(d)
	..	41		
Copper	1.0	93		
Other scrap metals	..	40		
Concentrates, metallic residues, wastes, etc.	2.3	74	-	-
Iron and steel structural work (e) (f)		1,026	288	194
Other work (f)		633	71	101
Total		24,406	6,166	3,813

(a) Great Britain only.

(b) United Kingdom.

(c) Described as "Spelter".

(d) So far as recorded separately.

(e) 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 £2,244,000 for 1948. Similar information is not available for 1937 and 1935.

(f) Amount charged in 1948 and amount received in 1937 and 1935.

Analysis of sales, 1948

Larger establishments in Great Britain

TABLE 11

	Sales	Percentage of total sales
	£'000	
Sales (or transfers) to other organisations under the same control		
Productive works	7,846	4.8
Export sales organisations (including branches abroad)	1,361	0.8
Other wholesale or selling organisations	3,925	2.4
Retail shops, etc.	158	0.1
Total sales (or transfers) to other organisations under the same control	13,290	8.2
Sales to independent buyers		
Exports invoiced directly overseas	7,187	4.4
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad	5,902	3.6
His Majesty's Government and Local Authorities (other than productive establishments)	7,737	4.7
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	71,541	43.9
Wholesalers, merchants and other agents for resale	40,721(a)	25.0
Retailers, including multiple shops, caterers and N.A.A.F.I., for resale	11,806	7.2
Other businesses (including farmers) and institutions of all kinds	4,081	2.5
Members of the public, including employees	783	0.5
Total sales to independent buyers	149,758	91.8
Total	163,048(b)	100.0

(a) Of this total £30,010,000 was recorded as divided between £6,506,000 for export and £23,505,000 for other sales.

(b) This total represents the total shown in Table 23 (£180,455,000), less the value of iron and steel structural work and other work carried out in Great Britain (£15,164,000) and the value of goods made and used in iron and steel structural work (£2,244,000).

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

TABLE 12

		Production (b) (c)	Exports (d)	Retained Imports (e)
Hollow-ware of wrought iron and steel for domestic, Industrial and other purposes (f)		£'000	£'000	£'000
Barrels, kegs and drums (g)	{ 1948 1937	7,283(h) 2,206	338 63	412 88
Galvanised		Th. tons	Th. tons	Th. tons
Vats, tanks and cisterns	{ 1948 1937	27.0(1) 31.9	4.1 2.0	(J) -
Other	{ 1948 1937	4,090 1,151	556 87	22 8
Hollow-ware of aluminium for domestic purposes (f)		Th. doz.	Th. doz.	
Kettles	1948	283	85	..
Saucepans or stewpans	1948	1,143	350	..
Furniture of metal and parts thereof, including hearth furniture but excluding aseptic hospital furniture and cash and deed boxes				
Bedsteads, complete and parts (including cased rods and rodding and finished tubes for bedsteads) (f) (k)	{ 1948 1937	1,155 835	457 224	- 4
Other descriptions		Th. cwts.	Th. cwts.	Th. cwts.
Cabinets (including filing and card index cabinets and plan files), complete	1948	338.0(1)	58.7	1.4
Other	1948	12,694	1,619	29
Total other descriptions	{ 1948 1937	15,721 3,054	2,217 226	43 108
Wire mattresses	{ 1948 1937	2,739 651	170 58	3 -
Locks, latches, keys and blanks, including parts of locks				
Padlocks	1948	741	286	9
Locks for trunks, travelling bags, suit cases and attache cases, other than padlocks	1948	16.0(1)	8.3	-
Locks for furniture	1948	539	192	
Rimlocks, mortice locks, cylinder latches and other similar locks for buildings, with or without handles	1948	878	216	7(1)
Other locks and latches	1948	650(1)	173	

TABLE 12 (contd.)

		Production (b) (c)	Exports (d)	Retained Imports (e)
Locks, latches, keys and blanks, including parts of locks (contd.)		£'000	£'000	£'000
Keys and blanks, and parts of locks and latches	1948	202	54	3(m)
Total locks, latches, keys and blanks, including parts of locks	{ 1948 1937	4,425 1,722	1,590 388	23 82
Bolts and hasps of metal, and blanks and parts therefor	1948	412(n)	191	-
Hinges, hinge blanks and parts therefor	1948	1,639(n)	461	3
Total bolts, hasps and hinges, and blanks and parts therefor	{ 1948 1937	2,051(n) 653(n)	652 86	4 76
Safes, complete	{ 1948 1937	794 249	436 89	4 1
Cash and deed boxes	1948	173	64	-
Trunks, suitcases, etc. of sheet metal	1948	94	41	-
Total cash and deed boxes, and trunks, suitcases, etc. of sheet metal	{ 1948 1937	267 111	105 67	- 8
Lighters, mechanical (o)		Thous.	Thous.	Thous.
Complete (with or without flint)	{ 1948 1937	3,500(1) 400(1)	998 49	21 1,061
Component parts, not including flints	{ 1948 1937	66 2	7 -	7 1
Lead capsules for bottles, jars, cans and similar containers	{ 1948 1937	182 328	20 68	24 82
Doors and window frames and casements of iron and steel	{ 1948 1937	69.9 73.2	13.0 6.6	(J) 0.5
Fire extinguishing apparatus	{ 1948 1937	2,754(n) 800(n)	908 154	9 1
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	{ 1948 1937	609 469	50 15	- 14
Churns for the conveyance of milk	{ 1948 1937	85.0(1) 31.9	9.3 1.5	0.6 17.9

TABLE 12 (contd.)

		Production (b) (c)	Exports (d)	Retained imports (e)
		Th. tons	Th. tons	Th. tons
Tinned plates, sheets and strips, decorated, printed, etc., sold in the flat or partially shaped, for boxes and other containers	1948	35.3	2.4	..
	1937	9.2	4.8	-
		Th. cwts.	Th. cwts.	Th. cwts.
Pressed shelf or angle brackets of iron or steel, under 7 lbs. in weight	1948	11.0(1)	3.9	-
	1937	5.8	1.7	2.4
		Th. tons	Th. tons	
Steel wool and steel shavings, not packed with cleansing agents	1948	1.1	0.2(p)	..

- (a) Figures of sales (or production) refer only to larger establishments in Great Britain (1948) or the United Kingdom (1937). 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 1948 and production for sale in 1937.
- (c) Including sales (or production) by establishments classified to other trades.
- (d) Valued f.o.b.
- (e) Valued c.i.f.
- (f) Figures of sales (or production) are deficient on account of unclassified output (see Table 8).
- (g) The oversea trade figures are described as "Barrels and drums, empty, made wholly or mainly of iron or steel".
- (h) Including re-conditioned kegs and drums, so far as recorded separately.
- (i) Partly estimated.
- (j) Re-exports in excess of imports.
- (k) The oversea trade figures relate to "Bedsteads, including finished tubes therefor".
- (l) Excluding latches.
- (m) Including latches.
- (n) Including goods of brass (principal products of the Brass Manufactures Trade, see (Volume 5, Trade F)) as follows:-

	1948 Sales	1937 Production
	£'000	£'000
Bolts and hasps, blanks and parts therefor	78	-
Hinges, hinge blanks and parts therefor	453	97
Fire extinguishing apparatus	489	100

- (o) Figures of sales (or production) relate to mechanical lighters, other than of precious metals or plastic materials.
- (p) Described as "Steel wool and steel shavings, including packed with cleansing agents".

Purchased materials and fuel

Larger establishments

TABLE 13

	1948 (a)		1937 (b)		1935 (b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Materials						
Iron and steel						
Galvanised sheets	19.8	621	15.2	265	14.4	202
Bars and rods	41.2	1,041	81.7	898		
Angles, shapes and sections	109.2	2,621	104.7	1,361	..	(c)
Hoop and strip (including tape)	85.7	2,558	51.6	741		
Tubes	9.5	554	6.8	157	5.0	120
Tinned plates	255.7	11,383				
Tinned sheets	15.2	731	282.7	5,802(d)	214.1	4,166(d)
Tinned plates and tinned sheets, unclassified	19.3	899				
Black plates	99.4	2,817	..	(c)	169.0	1,779
Tinplate base, uncoated	21.5	877				
Terne plates and terne sheets	4.8	205				
Plates (other than tinned, terne and black plates)	51.5	1,247	376.3	5,214(e)	165.6	2,079(f)
Sheets (other than galvanised, tinned and terne sheets)	275.5	8,254				
Tinplate base, uncoated, and plates and sheets (other than tinned or galvanised or black plates), unclassified	44.3	1,529				
Wire	21.8	901				
Pig iron	5.8	78				
	..	19				
Stainless steel in all forms so far as recorded separately	1.9	506	23.8	409	..	(c)
Other descriptions, except finished parts	52.8	2,545				
	..	583				

TABLE 13 (contd.)

	1948 (a)		1937 (b)		1935 (b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Materials (contd.)						
Aluminium and aluminium alloys (g)						
Plates, sheets, strip and circles	655.5	5,618	102.5	719		
Castings, rough dressed	19.8	205				
	..	119	18.4	105 (h)	98.4	599 (h)
Other descriptions, except finished parts	106.9	786				
Unclassified	60.8	381	-	-		
	..	230				
Brass (including all alloys of copper, other than nickel alloys)						
Plates, sheets, strip, discs and circles	149.5	1,221	115.7	447	149.0	409 (1)
Other descriptions, except finished parts	184.6	1,565	121.1	412 (h)		
Copper						
Plates, sheets, strip, discs and circles	176.4	1,623	72.5	304	86.9	262 (h)
Other descriptions, except finished parts	38.2	366	29.0	103 (h)		
Zinc or spelter and alloys of zinc, unwrought, in ingots, blocks, bars, slabs and cakes	720.7	2,838	410.1	477 (j)		
Nickel compounds for plating	9.2	73	5.8	23	..	(c)
	..	27	..	4		
Chromium compounds for plating	5.4	59	2.3	9		
	..	28	..	5		
Tin and tin alloys, excluding tinned plates and tinned sheets but including solder	47.3	834				
Ends, lids and other metal components for boxes and containers	..	2,819				
Lining compounds	..	201	..	(c)	..	(c)
Paint and colour	69.7	410				
	Th. galls.	584				
	..	211				

TABLE 13 (contd.)

	1948 (a)		1937 (b)		1935 (b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Materials (contd.)						
Printing inks	4.5	123				
	..	21				
Varnishes and lacquers	Th. galls.	697				
Packing materials	Th. tons					
Cardboard and cardboard cartons	11.1	435				
	..	297				
Other kinds	6.7	163	..	8,181	..	9,176 (k)
	..	1,160				
Replacement parts for firms' own machinery	..	831				
Consumable tools bought as replacement	..	883				
All other purchased materials	..	19,426				
Unclassified purchased materials	..	2,939	..	239	-	-
Fuel and electricity			Th. tons		Th. tons	
Coal	166.9	502	146.5	163	137.7	135
Coke	95.4	374	..	(c)	63.2	89
Electricity purchased (1)	Th. B. T. U. (kW. hrs.)		Th. B. T. U. (kW. hrs.)		Th. B. T. U. (kW. hrs.)	
From public supply	220,461	1,128				
From other sources	1,819	11	117,794	419	106,117	333
Electricity obtained from other works under the same ownership	1,679	11				
Motor spirit (petrol) and derv. fuel	Th. galls.		Th. galls.		Th. galls.	
Used for road vehicles	2,493	249	..	(c)	..	(c)
Used for other power purposes	1,562	64				
Other oil fuel (including creosote/pitch mixtures)	6,453	249	4,575	84 (m)	5,130	83 (m)
Gas purchased	Th. therms.					
	18,289	734				
From public supply	Th. cu. ft.					
	143,489	33				
	..	109				

TABLE 13 (contd.)

	1948 (a)		1937 (b)		1935 (b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. therms	£'000		£'000		£'000
Fuel and electricity (contd.)						
Gas purchased (contd.)						
From other sources	186	8				
	..	45				
Gas obtained from other works under the same ownership	..	3	..	450	..	(c)
All other purchased fuel	..	109				
Total		90,774		26,991		19,432

- (a) Great Britain only.
 (b) United Kingdom.
 (c) Not recorded separately.
 (d) Described as "Tinplate".
 (e) Described as "Steel plates and sheets".
 (f) Described as "Steel plates, other than galvanised".
 (g) Not described as including aluminium alloys in 1937 and 1935.
 (h) Not described as excluding finished parts.
 (i) Described as "Brass, in all forms".
 (j) Not described as including alloys of zinc.
 (k) Including fuel not specified separately.
 (l) The total quantity of electricity consumed in 1948 was 232,500,000 B.T. units, including 8,541,000 generated in the same works.
 (m) Described as "Heavy fuel oil".

Stocks of finished products and work in progress and stocks of materials and fuel, 1948

Larger establishments in Great Britain

TABLE 14

	At beginning of year		At end of year	
	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000
Finished products				
Hollow-ware of wrought iron and steel				
For domestic purposes	1.3	125	2.0	192
	..	77	..	112
For other purposes, including industrial	1.0	62	1.0	76
	..	31	..	32
Boxes and containers (including components) made from tinplate, black plate or terne plate				
Open top hermetically sealed	1.0	60	1.6	92
For biscuits	-	2	-	2
Other descriptions (except composite containers)	1.7	146	2.1	173
	..	21	..	21
Other finished products	..	2,705	..	3,446
Work in progress		6,494		7,285
Unclassified finished products and work in progress		242		244
Total finished products and work in progress		9,964		11,674
Materials and fuel				
Iron and steel				
Black plates	30.4	821	33.0	909
Tinned plates and sheets	43.7	1,855	44.4	1,956
All other plates and sheets	101.1	2,726	93.1	2,692
			..	300
Other descriptions, except finished parts	55.4	1,522	59.5	1,671
	..	522	..	563
	Th. cwts.		Th. cwts.	
Aluminium and aluminium alloys in all forms, except finished parts	201.4	1,709	189.9	1,642
	..	339	..	338
Brass (including all alloys of copper, other than nickel alloys) in all forms, except finished parts	88.0	679	85.4	714
	..	184	..	183
Other descriptions of materials and fuel	..	7,693	..	8,509
Unclassified	..	1,337	..	1,390
Total materials and fuel		19,387		20,866

Employment and remuneration

Larger establishments

(i) Private firms (a)

TABLE 15

	Average number of operatives			Administrative, technical and clerical employees (b)			Total		
	1948(c)	1937(d)	1935(d)	1948(c)	1937(d)	1935(d)	1948(c)	1937(d)	1935(d)
Males									
Under 18	6,128	11,837	10,591	514	843	603	6,642	12,680	11,194
All ages	93,648	87,211	57,607	16,284	9,306	8,021	109,932	76,517	65,628
Females									
Under 18	5,279	15,203	13,318	1,468	1,144	672	6,747	16,347	13,990
All ages	54,173	43,017	38,137	10,143	4,634	3,825	64,316	47,651	41,962
Total									
Under 18	11,407	27,040	23,909	1,982	1,987	1,275	13,389	29,027	25,184
All ages	147,821	110,228	95,744	26,427 (e)	13,940	11,846	174,248 (e)(f)(g)	124,168	107,590
Total remuneration	£'000			£'000			£'000		
	39,754	..	..	11,411	..	..	51,165	..	..

(a) Excluded employees. The following numbers were employed at private establishments in this trade but are not included in the table or in any other report (e.g., employees in a separate selling or transport organisation for which separate accounts are kept):-

Canteen workers 47 males 1,593 females
Other workers 653 males 638 females

(b) Number at September 25, 1948, October 16, 1937, and October 12, 1935.

(c) Great Britain only.

(d) United Kingdom.

(e) There were, in addition, 409 working proprietors (386 males and 23 females) in 1948. Working proprietors are included in the 1937 and 1935 figures.

(f) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £1,328,000.

(g) The following persons (included in this total) were employed on special work by establishments employing 100 or more persons:-

	Operatives	Administrative, technical and clerical employees
Transport of goods outside the premises	702	
Maintenance and repair of firms' buildings, but not plant	620	
Research work not directly connected with current production however charged	44	121

In addition to the employees in the above table the private firms in this trade employed 104 male and 299 female outworkers in 1948, the amount paid to them being £48,000. Similar information is not available for 1937 and 1935.

(ii) Government Departments (a)

TABLE 15 (contd.)

	Average number of operatives		Administrative, technical and clerical employees (b)		Total	
	1948(c)		1948(c)		1948(c)	
Males						
Under 18	7		-		7	
All ages	493		63		556	
Females						
Under 18	1		3		4	
All ages	66		18		84	
Total						
Under 18	8		3		11	
All ages	559		81(c)		640(c)(d)	
Total remuneration	£'000		£'000		£'000	
	189		37		227	

(a) Excluded employees. The following numbers were employed at Government establishments in this trade but are not included in the table or in any other report:-

Canteen workers 1 male 13 females
Other workers - males - females

(b) Number at September 25, 1948.

(c) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £6,000.

(d) The following persons (included in this total) were employed on special work by establishments employing 100 or more persons:-

	Operatives	Administrative, technical and clerical employees
Transport of goods outside the premises	-	
Maintenance and repair of firms' buildings, but not plant	20	
Research work not directly connected with current production however charged	-	

Wages and salaries paid, 1948 (a)

Larger establishments in Great Britain

TABLE 16

	Amount paid by all establishments	Establishments making returns for the calendar year					Year
		Amount paid	Percentage of annual remuneration paid in				
			First quarter	Second quarter	Third quarter	Fourth quarter	
	£'000	£'000					
Wages and salaries of							
Operatives	39,943	22,254	25.0	25.0	24.0	26.0	100.0
Administrative, technical and clerical employees	11,448	6,722	23.6	24.7	24.4	27.2	100.0
Total	51,392	28,976	24.7	25.0	24.1	26.3	100.0

(a) Including bonus and commission payments.

TABLE 17 - Payments for work done on materials given out, 1948

Larger establishments in Great Britain

The total amount paid for work done on materials given out was £2,560,000.

Payments for certain services, 1948

Larger establishments in Great Britain

TABLE 18

	Amount paid
Repair and maintenance	£'000
Of buildings	499
Of plant, machinery and vehicles	847
Unclassified	598
Hire of plant, machinery and vehicles	188
Advertising and market research	
Advertising in newspapers, magazines and periodicals	304
Other advertising services (poster display, despatch of circulars, etc.) and market research	115
Unclassified	428
Payments made for research work	
To research associations	14
To universities, institutions, academic bodies and similar agencies	3
To other commercial concerns	41
Postage, telephone, telegrams and cables	527
Commercial insurance premiums	614
Rates (excluding water rates) payable in the year	226

Plant, machinery and vehicles acquired and disposed of, 1948

Larger establishments in Great Britain

TABLE 19

	Acquisitions		Disposals
	New	Second-hand	
Plant and machinery	£'000 3,357	£'000 346	£'000 339
Vehicles	492	198	113
Total	3,849	544	452

Capital expenditure on building work and changes in occupation of buildings and land, 1948

Larger establishments in Great Britain

TABLE 20

1. Capital expenditure on building work (a)	£'000	£'000
2. Existing buildings and land (b)		1,188
(1) Capital cost of freeholds bought	298	
Estimated capital value of		
(11) Rented property newly occupied in the year (c)	1,230	
(111) Leasehold buildings and land newly occupied in the year	1,099	
Total of heading 2		2,627
Total of headings 1 and 2		3,815
3. Existing buildings and land relinquished (d)		
(1) Selling value of freeholds sold	205	
(11) Estimated value of other properties relinquished	219	
Total of heading 3		424
4. Headings 1 and 2 less heading 3		3,391

- (a) Excluding site value which, where appropriate, is included in heading 2(1).
 (b) The figures do not reflect changes in ownership of previously occupied land and buildings.
 (c) Property which is occupied under an agreement for the payment of rent without the purchase of a lease or the payment of a premium.
 (d) Including property destroyed or abandoned.

1948

Summary
Larger establishments

TABLE 21

	England	Wales	Scotland	Great Britain
GROSS Output (production)	£'000 160,020	£'000 13,243	£'000 6,569	£'000 179,832
Cost of materials and fuel used	77,298	8,672	3,325	89,295
Payment for work done on materials given out	2,453	41	66	2,560
Excise duty	205	2	-	208
Net output	80,063	4,528	3,179	87,770
Wages and salaries of persons employed	46,408	2,961	2,023	51,392
Average number of persons employed (a)	No. 156,758	No. 11,319	No. 7,220	No. 175,297
Net output per person employed (a)	£ 511	£ 400	£ 440	£ 501
Stocks at end of year	£'000	£'000	£'000	£'000
Finished products and work in progress	10,392	819	462	11,674
Materials and fuel	18,393	1,356	1,118	20,866
Number of establishments	No. 1,802	No. 62	No. 87	No. 1,951

(a) Excluding outworkers.

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

	England	Wales	Scotland	Great Britain
Output of firms in this trade	£'000	£'000	£'000	£'000
Total value of sales (see Table 23)	160,689	13,255	6,511	180,455
Adjustment for changes in stocks and work in progress	+ 1,404	+ 166	+ 138	+ 1,709
Less payment for transport by other firms	162,093	13,421	6,649	182,163
Gross output (production)	2,074	178	80	2,332
Materials and fuel used by firms in this trade	160,020	13,243	6,569	179,832
Purchases (see Table 24)	78,946	8,418	3,411	90,774
Adjustment for changes in stocks	- 1,648	+ 254	- 86	- 1,480
Materials and fuel used	77,298	8,672	3,325	89,295

Summary

Small firms

TABLE 22

	England	Wales	Scotland	Great Britain
Number of returns	2,336	46	127	2,509
Average number of persons employed (a)				
Males	10,800	213	314	11,327
Females	2,312	49	112	2,473
Total	13,112	262	426	13,800

(a) Including working proprietors.

Sales in the trade

Larger establishments

TABLE 23

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
Principal products	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Hollow-ware of wrought iron and steel for domestic purposes, other than boxes or containers but including dishes, trays, moulds and similar articles						
Enamelled	..	(a)	..	(a)	{ 17.5 ..	{ 2,995 309
Galvanized						
Tanks, cisterns and dustbins	{ 29.2 ..	{ 2,358 516	{ 0.8	{ 64	{ 30.0 ..	{ 2,421 516
Buckets	..	(a)	..	(a)	{ Th. doz. 422 136	{ Th. tons 7.4 ..
Other	..	(a)	..	(a)	{ Th. tons 8.7 ..	{ 858 315
Tinned or of tinplate	..	(a)	..	(a)	{ 8.1 ..	{ 1,292 622
Unclassified; and hollow-ware not enamelled, tinned or galvanized	{ 3.1 ..	{ 392 265	{ -	{ -	{ 3.1 ..	{ 392 265
Hollow-ware of aluminium for domestic purposes, other than boxes or containers					{ Th. doz. 89 241	{ Th. cwts. 13.1 ..
Saucepans or stew pans	..	(a)	..	(a)	{	{ 1.5 ..
Other, including kettles	..	(a)	..	(a)	{ 429 864	{ 32.8 .. 10.0 ..
Unclassified	..	(a)	..	(a)	{	{ .. 1,316

TABLE 23 (contd.)

	England and Wales			Scotland			Great Britain		
	Quantity		Value	Quantity		Value	Quantity		Value
Principal products (contd.)	Thous.	Th. tons	£'000	Thous.	Th. tons	£'000	Thous.	Th. tons	£'000
Hollow-ware for other purposes, including industrial									
Of wrought iron and steel									
Barrels, kegs and drums	16,381	97.6	5,934	1,134	6.8	331	17,515	104.4	6,265
	2,801	..	477	2	..	1	2,803	..	478
	..	-	-	..	0.3	26	..	0.3	26
Vats, tanks and cisterns	Th. tons			Th. tons			Th. tons		
Galvanized	..		(a)	..		(a)	4.6		451
							..		82
Other, including vats, tanks and cisterns lined with glass or vitreous enamel	5.8		671	0.4		75	6.2		746
	..		329	..		25	..		354
Other sorts, not elsewhere specified									
Galvanized	5.2		507	0.1		6	5.3		514
	..		131	..		6	..		136
Other, including tinned or of tinplate	8.1		1,103	0.2		29	8.3		1,131
	..		327	..		10	..		337
Unclassified	..		(a)	..		(a)	1.8		205
							..		62
Aluminium vats, tanks, cisterns, etc.	..		(a)	..		(a)	Th. cwts.		181
							10.2		170
Boxes and containers, not elsewhere specified (including covers and other components therefor)							Th. tons		
Of tinplate, black plate or terne plate	228.2		21,571	7.4		684	235.6		22,256
	..		1,751	..		29	..		1,780
Of aluminium	Th. cwts.		1,389	-		-	78.3		1,389
	78.3		643	..		..	..		643

TABLE 23 (contd.)

	England and Wales			Scotland			Great Britain		
	Quantity		Value	Quantity		Value	Quantity		Value
Principal products (contd.)	Thous.	Th. cwts.	£'000	Thous.	Th. cwts.	£'000	Thous.	Th. cwts.	£'000
Furniture of metal and parts thereof, other than aseptic hospital furniture and cash and deed boxes									
Bedsteads									
Complete	138	76.3	392	-	-	-	138	76.3	392
	47	..	123	-	-	-	47	..	123
	..	..	123	-	-	-	..	..	123
Parts (including eased rods and rodding and finished tubes for bedsteads)	..	55.8	274	-	-	-	..	55.8	274
	..	..	11	-	-	-	..	..	11
Cabinets (including filing and card index cabinets and plan files, complete and parts)	..	..	(a)	..	..	(a)	..	287.4	2,601
							..	..	294
Clothing lockers	..	47.5	310	..	0.8	5	..	48.4	315
	..	..	137	..	..	..	..	..	137
Storage cupboards	..	..	(a)	..	..	(a)	63	79.8	573
							14	..	126
							..	..	137
Storage shelving and racking	..	315.7	1,240	..	7.1	36	..	322.7	1,277
	..	..	486	..	..	2	..	..	487
Tables and desks	46	36.6	478	-	0.6	6	46	37.3	484
	14	..	62	-	-	-	14	..	62
	..	6.8	40	..	0.3	2	..	7.1	42
	..	..	62	..	..	-	..	..	62
Metal kitchen and bathroom units (sinks, etc.) (b)	..	..	(a)	..	..	(a)	..	61.4	1,040
							..	..	580
Office sundries	..	..	(a)	..	..	(a)	Th. cwts.		
							21.4		232
							..		96
Other metal furniture (including industrial sundries) and parts, not elsewhere specified	..	..	(a)	..	..	(a)	204.6		2,162
							..		1,648
Hearth furniture, not elsewhere specified	Th. doz.			Th. doz.			Th. doz.		
Fireguards	10		41	-		-	10		41
	..		37	-		-	..		37
Coal boxes	..		(a)	..		(a)	15		120
Other	..		(a)	..		(a)	..		725

TABLE 23 (contd.)

Principal products (contd.)	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
		£'000		£'000	Th. cwts.	£'000
Wire mattresses	..	(a)	..	(a)	413.8 ..	1,383 456
Locks, latches, keys and blanks, including parts of locks	Th. doz.	Th. cwts.			Th. doz.	Th. cwts.
Rim locks, mortice locks, cylinder latches and other similar locks for buildings, with or without handles	440 434	63.7 ..	1,080 1,016	-	440 434	63.7 ..
Other locks and latches, including padlocks, locks for trunks, travelling bags, suitcases and attache cases, and locks for furniture, etc.	1,807 781	54.0 .. 7.2 ..	1,244 662 111 85	-	1,807 781	54.0 .. 7.2 ..
Keys and blanks, and parts of locks and latches	Th. cwts.				Th. cwts.	
	4.7 ..	99 90	-	-	4.7 ..	99 90
Bolts and hasps of metal (other than brass), and blanks and parts therefor	22.9 ..	180 101	-	-	22.9 ..	180 101
Hinges, hinge blanks and parts therefor of metal, except brass	..	(a)	..	(a)	195.9 ..	951 156
Safes of metal or metal framed, over 1,000 cu. ins., with one or more metal walls over 1/4 in. gauge	Thous.	Th. cwts.			Thous.	Th. cwts.
	3 ..	35.1 6.9	292 37	-	3 ..	35.1 6.9
Insulated safe equipment	Th. cwts.				Th. cwts.	
	40.5 ..	215 35	-	-	40.5 ..	215 35
Other safes; cash and deed boxes; and trunks, suitcases, etc. of sheet metal	23.7 ..	226 201	-	-	23.7 ..	226 201
Strong rooms, strong room doors, safe deposit equipment and night safes	18.7 ..	217 29	-	-	18.7 ..	217 29

TABLE 23 (contd.)

Principal products (contd.)	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Thous.	£'000	Thous.	£'000	Thous.	£'000
Lamps and lanterns (other than motor and cycle lamps, blow lamps, brazing lamps and lamps of brass)	3,064 ..	829 124	2 ..	4 1	3,066 ..	833 125
Parts of lamps and lanterns (other than motor and cycle lamps, blow lamps, brazing lamps and lamps of brass) (b)	..	120	-	-	..	120
Lighters, mechanical, other than of precious metals or plastic materials						
Complete (with or without flint)	3,021 ..	1,454 39	-	-	3,021 ..	1,454 39
Components parts, not including flints	..	46	-	-	..	46
Engineers' and mechanics' goods of copper (including fittings for water supply)	Th. cwts.		Th. cwts.		Th. cwts.	
Boilers and cylinders	49.0 ..	901 330	19.7 ..	295 69	68.7 ..	1,196 399
Bathroom and sanitary fittings	7.2 ..	223 31	-	-	7.2 ..	223 31
Other	3.9 ..	112 313	1.0 ..	26 25	4.9 ..	137 339
Metallic closures for bottles, jars, cans and similar containers, including crown corks but excluding covers for metal and composite containers and cork stoppers partially manufactured from metal	Mill.	Th. cwts.			Mill.	Th. cwts.
Aluminium capsules	1,020 203	18.2 ..	788 220	-	1,020 203	18.2 ..
Black plate or tinplate closures	..	..	(a)	..	(a)	1,055 180.4
Other metallic closures, including lead capsules and crown corks	..	..	(a)	..	(a)	4,674 23 ..
Unclassified	83	15.0	157	-	83	15.0

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Principal products (contd.)						
Cooking and washing boilers, other than cast iron, complete and parts	101.8	1,055	3.4	38	105.2	1,092
	..	770	..	10	..	781
Stoves and fires, other than cast iron, for domestic heating and for cooking (other than industrial), excluding electric fires and pressure type oil burning stoves						
Complete	..	(a)	..	(a)	252.2	2,986
					..	453
Parts	..	(a)	..	(a)	212.5	1,246
					..	320
Catering equipment, not elsewhere specified	47.4	853	7.0	112	54.4	965
	..	1,052	..	19	..	1,071
Metal doors other than for strong rooms (b)	..	(a)	..	(a)	85.0	447
					..	24
Door and window frames and casements of metal	Th. tons		Th. tons		Th. tons	
	63.7	8,918	4.9	447	68.6	9,365
	..	52	..	..	..	52
Metal furnishings for doors and windows (b)	Th. cwts.		Th. cwts.		Th. cwts.	
	237.0	2,054	-	-	237.0	2,054
	..	512	..	..	..	512
Fire extinguishing apparatus	57.6	1,154	-	-	57.6	1,154
	..	921	..	..	..	921
Vitreous or stove 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	..	(a)	..	(a)	39.2	483
					..	70
Domestic utensils and appliances, not elsewhere specified	105.8	964	0.1	14	105.9	978
	..	1,289	..	3	..	1,291
Poultry appliances	52.4	388	-	-	52.4	388
	..	199	..	..	..	199
Agricultural and horticultural appliances, not elsewhere specified	165.2	1,147	0.7	6	166.0	1,153
	..	264	..	3	..	267
Churns for the conveyance of milk	..	(a)	..	(a)	70.2	403
					..	84

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Principal products (contd.)						
Other dairy equipment excluding machinery (b)	3.0	63	-	-	3.0	63
	..	6	..	..	..	6
Builders' ironmongery and hardware, not elsewhere specified (b)	..	(a)	..	(a)	186.4	955
					..	357
Castors (cabinet makers' goods) of metals other than brass; and other cabinet makers' goods of iron and steel, not elsewhere specified (b)	21.3	186	-	-	21.3	186
	..	352	..	..	..	352
Art metal work of iron and steel (b)	2.3	44	-	-	2.3	44
	..	205	..	..	..	205
Enamelling stoves, drying plant stoves, case hardening pots, etc., so far as recorded separately; tinned plates, sheets and strips, decorated, printed, etc., sold in the flat or partially shaped, for boxes and other containers; vermin and similar traps, so far as recorded separately	..	(a)	..	(a)	..	2,043
Expanded metal of iron or steel and other iron and steel reinforcements, for concrete; and perforated metal, not elsewhere specified	..	(a)	..	(a)	Th. tcns	
					26.4	1,993
					..	169
Stampings and pressing in the rough or machined, not elsewhere specified						
Of iron and steel	..	(a)	..	(a)	48.4	5,500
					..	4,176
Of other metals, except brass	..	(a)	..	(a)	Th. cwts.	
					30.3	474
					..	530
Pressed shelf or angle brackets of iron and steel, under 7 lbs. in weight	9.3	63	-	-	9.3	63
	..	10	..	..	..	10

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Principal products (contd.)						
Case linings and fittings of tinsplate, black plate orterne plate	0.8	87	0.1	5	0.8	73
	..	6	..	2	..	9
Heating or lighting equipment, fittings, etc., of sheet metal	..	(a)	..	(a)	2.4	344
					..	246
Steel wool and steel wool shavings, not packed with cleansing agents	1.1	196	-	-	1.1	196
					Thous.	Th. cwts.
					11	3.0
Coldroom and refrigerator cabinets of steel, etc. (b)	..	(a)	..	(a)	..	28.8
				
					..	219
					Th. cwts.	Th. cwts.
					117.8	719
Cold formed sections of steel and of aluminium or aluminium alloy (b)	..	(a)	..	(a)	..	1,287
	Th. cwts.				2.8	80
Aluminium ladders and steps (b)	2.8	80	-	-	..	116
	..	116			..	..
					8.0	62
Castors (industrial) of metals other than brass (b)	8.0	62	-	-	..	209
	..	209			..	..
	Thous.				Thous.	
	490	287			490	287
Reconditioned kegs and drums of wrought iron and steel (b)	..	41	-	-	..	41
	Th. cwts.		Th. cwts.		Th. cwts.	
	40.7	272	0.4	4	41.1	276
Machinery guards of sheet metal (b)	..	251	..	8	..	260
	Th. tons		Th. tons		Th. tons	
Other metal manufactures, mainly sheet metal, not elsewhere specified						
Of iron and steel	30.9	2,355	-	4	31.0	2,358
	..	1,055	..	270	..	1,325
Of other metals, except brass	..	521	..	2	..	523
Waste products other than scrap metal, concentrates, metallic residues, etc.	..	86	-	-	..	86

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Principal products (contd.)						
Work done for the trade or on commission (c)						
Galvanizing		2,267		228		2,495
Japanning, lacquering, or enamelling		(a)		(a)		1,933
Plating		4,462		163		4,625
Tinning		(a)		(a)		421
Other work		2,822		89		2,911
Jobbing ironmongery and repair work (c)		957		164		1,120
Total principal products	Th. tons	150,748	Th. tons	5,300	Th. tons	156,048
Other output						
Iron castings	..	(a)	..	(a)	4.2	359
					..	357
Ventilators, pipes, duct-work, cowls and the like of sheet iron or steel	7.3	887	1.3	155	8.6	1,042
	..	337	..	36	..	372
Machinery and plant and parts						
Food preparation, processing and sterilising machinery	0.3	51	-	-	0.3	51
	..	276			..	276
Washing machines	1.3	266	-	-	1.3	266
	..	316			..	316
Textile machinery, including accessories	..	270	-	-	..	270
Machine tools, metal-working, and engineers' small tools	0.2	64	-	-	0.2	64
	..	202			..	202
Mechanical handling equipment	..	133	-	-	..	133
Other	4.1	645	..	17	4.1	645
	..	587			..	604
Other products of the Mechanical Engineering (General) Trade	..	(a)	..	(a)	6.6	1,048
					..	163

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. tons	£'000		£'000	Th. tons	£'000
Other output (contd.)						
Glazing bars	1.2 ..	387 90	-	-	1.2 ..	387 90
Temporary prefabricated house framework and frame sections, of steel and aluminium	..	(a)	..	(a)	4.0 ..	266 229
Other iron and steel fabricated (staircases, etc.)	..	(a)	..	(a)	6.3 ..	476 189
Tools and implements	97.7 ..	159 366	-	-	97.7 ..	159 366
Electrical goods and apparatus and parts	..	(a)	..	(a)	..	589
Parts and accessories of motor vehicles (excluding motor cycles, tri-cars and tractors)						
Sheet metal work such as bumpers, dust shields, bonnets, mudguards, petrol tanks, etc.	..	573	-	-	..	573
Other	..	(a)	..	(a)	..	708
Parts and accessories of non-mechanically propelled cycles	..	64	-	-	..	64
Non-mechanically propelled vehicles (except cycles) and parts	..	(a)	..	(a)	..	398
Rail vehicles and parts	..	163	-	-	..	163
Aircraft parts and accessories	..	801	-	-	..	801
Toys mainly of metal	..	(a)	..	(a)	..	669
Manufactures of iron and steel wire	..	(a)	..	(a)	1.2 ..	358 85
Metal manufactures, not elsewhere specified						
Of iron and steel	..	(a)	..	(a)	8.1 ..	543 291

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Other output (contd.)						
Metal manufactures, not elsewhere specified (contd.)						
Of brass						
Stampings and pressings in the rough or machined	..	(a)	..	(a)	1.4 ..	529 353
Stoves, pressure type oil burning, and parts thereof	..	(a)	..	(a)	0.4	241
Builders' and cabinet makers' goods	0.5 ..	280 91	-	-	0.5 ..	280 91
Art metal work	..	(a)	..	(a)	..	158
Other	1.9 ..	969 333	-	3 16	1.9 ..	972 349
Of aluminium	..	(a)	..	(a)	0.5 ..	279 356
Of other metals and alloys	..	(a)	..	(a)	1.4 ..	354 116
Of unclassified metals	..	376	-	-	..	376
Furniture and other manufactures of wood	..	(a)	..	(a)	..	507
Aseptic hospital furniture	..	(a)	..	(a)	1.2 ..	146 30
Composite containers, partly of metal (including covers and other components therefor)	..	(a)	..	(a)	4.2	511
Other goods	..	1,592	..	4	..	1,596
Scrap metal sold						
Iron and steel	161.3 ..	602 89	5.1 ..	23 4	166.4 ..	625 93
Brass	4.3	308	-	-	4.3	308
Zinc and alloys of zinc	9.5	406	1.1	41	10.6	447
Aluminium and aluminium alloys	4.1 ..	207 41	-	2	4.1 ..	209 41

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Scrap metal sold (contd.)						
Copper	1.0	88	0.1	5	1.0	93
Other scrap metals	..	40	-	-	..	40
Concentrates, metallic residues, wastes, etc.	2.2	72	0.1	2	2.3	74
Iron and steel structural work (c) (d)		728		300		1,026
Other work (c)		611		22		633
Total		173,944		6,511		180,455

(a) Owing to the risk of disclosure of information relating to individual firms separate figures 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 £2,244,000 (Great Britain); owing to the risk of disclosure of information relating to individual firms separate figures for England and Wales and for Scotland cannot be given.

Purchased materials and fuel

Larger establishments

TABLE 24

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Materials						
Iron and steel						
Galvanised sheets	18.0	564	1.7	56	19.8	621
Bars and rods	38.6	984	2.7	57	41.2	1,041
Angles, shapes and sections	101.5	2,459	7.6	163	109.2	2,621
Hoop and strip (including tape)	..	(a)	..	(a)	85.7	2,558
Tubes	9.3	546	0.2	8	9.5	554
Tinned plates	249.2	11,088	6.6	295	255.7	11,383
Tinned sheets	15.2	727	0.1	4	15.2	731
Tinned plates and tinned sheets, unclassified	15.7	734	3.6	165	19.3	899
Black plates	96.2	2,739	3.2	78	99.4	2,817
Tinplate base, uncoated	20.9	846	0.6	31	21.5	877
Terne plates and terne sheets	4.0	172	0.8	33	4.8	205
Plates (other than tinned, terne and black plates)	49.1	1,197	2.4	50	51.5	1,247
Sheets (other than galvanised, tinned and terne sheets)	266.5	8,003	9.0	252	275.5	8,254
Tinplate base, uncoated, and plates and sheets, (other than tinned or galvanised or black plates), unclassified	41.5	1,462	2.8	67	44.3	1,529
Wire	21.3	872	0.6	29	21.8	901
Pig iron	5.8	78	-	-	5.8	78
	..	19			..	19
Stainless steel in all forms, so far as recorded separately	1.7	451	0.2	55	1.9	506
Other descriptions, except finished parts	52.6	2,541	0.1	4	52.8	2,545
	..	583			..	583

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
Materials (contd.)	Th.cwts.	£'000	Th.cwts.	£'000	Th.cwts.	£'000
Aluminium and aluminium alloys						
Plates, sheets, strips and circles	630.8	5,414	24.7	204	655.5	5,618
Castings, rough dressed	..	(a)	..	(a)	19.8	205
					..	119
Other descriptions, except finished parts	..	(a)	..	(a)	106.9	786
Unclassified	..	(a)	..	(a)	60.8	381
					..	230
Brass (including all alloys of copper, other than nickel alloys)						
Plates, sheets, strip, discs and circles	147.3	1,206	2.2	15	149.5	1,221
Other descriptions, except finished parts	184.0	1,553	0.7	12	184.6	1,565
Copper						
Plates, sheets, strip, discs and circles	157.3	1,451	19.1	172	176.4	1,623
Other descriptions, except finished parts	34.5	334	3.7	32	38.2	366
Zinc or spelter and alloys of zinc, unwrought, in ingots, blocks, bars, slabs and cakes	673.3	2,669	47.4	169	720.7	2,838
Nickel compounds for plating	9.0	72	0.2	1	3.2	73
	..	27	..	..	..	27
Chromium compounds for plating	5.2	57	0.2	2	5.4	59
	..	28	..	..	..	28
Tin and tin alloys, excluding tinned plates and tinned sheets but including solder	44.4	764	2.9	70	47.3	834
Ends, lids and other metal components for boxes and containers	..	2,800	..	19	..	2,819
Lining compounds	..	(a)	..	(a)	..	201
Paint and colour	64.8	384	5.0	26	69.7	410
	Th.galls.		Th.galls.		Th.galls.	
	647	555	30	29	677	584
	..	210	..	1	..	211

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
Materials (contd.)	Th.cwts.	£'000	Th.cwts.	£'000	Th.cwts.	£'000
Printing inks	4.4	119	0.1	4	4.5	123
	..	20	..	1	..	21
Varnishes and lacquers	Th.galls.		Th.galls.		Th.galls.	
	682	685	14	14	697	699
Packing materials	Th.tons		Th.tons		Th.tons	
Cardboard and cardboard cartons	11.0	450	0.1	4	11.1	435
	..	286	..	12	..	297
Other kinds	6.7	161	-	2	6.7	163
	..	1,138	..	23	..	1,160
Replacement parts for firms' own machinery	..	796	..	35	..	831
Consumable tools bought as replacement	..	834	..	49	..	883
All other purchased materials	..	18,617	..	809	..	19,426
Unclassified purchased materials	..	2,886	..	53	..	2,939
Fuel and electricity						
Coal	153.5	465	13.4	37	166.9	502
Coke	91.2	359	4.2	15	95.4	374
Electricity purchased (b)	Th.B.T.U. (kW.hrs.)		Th.B.T.U. (kW.hrs.)		Th.B.T.U. (kW.hrs.)	
From public supply	211,371	1,085	9,090	44	220,461	1,128
From other sources	..	(a)	..	(a)	1,819	11
Electricity obtained from other works under the same ownership	1,679	11	-	-	1,679	11
Motor spirit (petrol) and deriv. fuel	Th.galls.		Th.galls.		Th.galls.	
Used for road vehicles	2,432	243	61	6	2,493	249
Used for other power purposes	..	(a)	..	(a)	1,562	64
Other oil fuel (including creosote/pitch mixtures)	6,355	245	98	4	6,453	249

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
Materials (contd.)	Th.therms	£'000	Th.therms	£'000	Th.therms	£'000
Gas purchased						
	17,942	721	347	13	18,289	734
From public supply	Th.cu.ft. 122,971	30 108	Th.cu.ft. 20,518	4 1	Th.cu.ft. 143,489	33 109
From other sources	..	(a)	..	(a)	Th.therms 186	8 45
Gas obtained from other works under the same ownership	..	3	-	-	..	3
All other purchased fuel	..	99	..	10	..	109
Total		87,363		3,411		90,774

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

(b) The total quantity of electricity consumed in Great Britain was 232,500,000 B.T. units, including 8,541,000 generated in the same works. Owing to the risk of disclosure of information relating to individual firms separate figures for England and Wales and for Scotland cannot be given.

Employment and remuneration

Larger establishments

Private firms (a)

TABLE 25

	England and Wales			Scotland			Great Britain		
	Average number of operatives	Administrative, technical and clerical employees (b)	Total	Average number of operatives	Administrative, technical and clerical employees (b)	Total	Average number of operatives	Administrative, technical and clerical employees (b)	Total
Males									
Under 18	5,786	488	6,274	342	26	368	6,128	514	6,642
All ages	89,196	15,709	104,905	4,452	575	5,027	93,648	16,284	109,932
Females									
Under 18	4,976	1,409	6,385	303	59	362	5,279	1,468	6,747
All ages	52,337	9,809	62,146	1,836	334	2,170	54,173	10,143	64,316
Total									
Under 18	10,762	1,897	12,659	645	85	730	11,407	1,962	13,369
All ages	141,533	25,518 (c)	167,051 (c) (d)	6,288	909 (c)	7,197 (c) (d)	147,821 (c)	26,427 (c)	174,248 (c) (d)
Total remuneration	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
	38,095	11,047	49,142	1,660	363	2,023	39,754	11,411	51,165

(a) The two Government establishments classified to this trade were both in England; for particulars of employment and remuneration therein see Table 15.

(b) Number at September 25, 1948.

(c) There were, in addition, 409 working proprietors (386 males and 23 females) in Great Britain; 364 males and 22 females in England and Wales, and 22 males and 1 female in Scotland.

(d) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to a total of £1,328,000; £1,273,000 for England and Wales, and £55,000 for Scotland.

In addition to the employees in the above table the firms in this trade employed outworkers whose numbers and remuneration are set out below.

	Average number of outworkers employed			Total amount paid to outworkers
	Males	Females	Total	
England and Wales	104	299	403	£'000 48
Scotland	-	-	-	-
Great Britain	104	299	403	48

Monthly index of employment of operatives: Larger establishments
(average employment in 1948 = 100)

TABLE 26

Month	Monthly index (a)			Month	Monthly index (a)		
	England and Wales	Scotland	Great Britain		England and Wales	Scotland	Great Britain
1948				1948			
January	104.3	103.6	104.2	August	97.1	99.3	97.2
February	104.1	105.6	104.2	September	97.4	98.1	97.4
March	102.6	103.1	102.7	October	98.1	98.6	98.1
April	101.7	100.0	101.6	November	98.6	97.7	98.6
May	100.7	99.4	100.7	December	98.0	95.9	97.9
June	99.4	100.2	99.4	Percentage employment in this trade covered by the index	58.0	49.5	57.6
July	98.0	98.5	98.0				

(a) The index numbers are calculated from the number of operatives employed in one week in each month returned by larger establishments that made returns for the calendar year 1948.

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(Faint, illegible text)

Total amount paid to outworkers	Average number of operatives employed		
	Total	Female	Male
£1000			
48	304	200	104
-	-	-	-
48	304	200	104

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