



BOARD OF TRADE

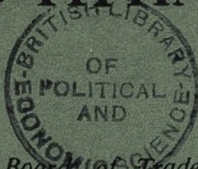
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THE REPORT  
on the  
CENSUS OF PRODUCTION  
FOR 1951

Volume 4

Trade O

ELECTRIC LIGHTING ACCESSORIES  
AND FITTINGS



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

LONDON: HER MAJESTY'S STATIONERY OFFICE

1955

Price 1s 6d net

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\* Not applicable to this trade

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ELECTRIC LIGHTING ACCESSORIES AND FITTINGS

ELECTRIC LIGHTING ACCESSORIES AND FITTINGS TRADE

ELECTRIC LIGHTING ACCESSORIES AND FITTINGS TRADE

THIS REPORT on the Electric Lighting Accessories and Fittings Trade relates to establishments engaged wholly or mainly in the manufacture of electric lighting accessories and fittings and electric bell apparatus.

This trade is included with the manufacture of domestic electrical appliances and other electrical goods in minimum list heading 79 (2) in the Standard Industrial Classification.

No production was recorded in Northern Ireland in this trade for 1946, 1937 or 1935.

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.

ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS  
ELECTRIC LIGHTING ACCESSORIES AND FITTINGS TRADE

## Summary

## Larger establishments (a)

TABLE 1

	United Kingdom			Great Britain		United Kingdom		
	1951	1950	1949	1949(b)	1948	1946	1937	1935
Gross output (production) (c)	£'000 17,688	£'000 15,896	£'000 14,990	£'000 ..	£'000 15,206	£'000 8,546	£'000 3,687	£'000 2,143
Cost of materials and fuel used (d)	8,551	7,354	6,884	..	6,935	3,337	1,685	1,031
Payment for work done on materials given out	179	192	134	..	207	125	24	11
Transport payments (e)	227	..	..	..	..	..	..	..
Net output	8,732	8,350	7,972	..	8,064	5,084	1,978	1,101
Wages and salaries of persons employed	4,801	4,842	4,627	..	4,466	2,825	..	..
Average number of persons employed (f)	No. 14,978	No. 16,436	No. 16,098	No. ..	No. 16,532	No. 12,671	No. 9,673	No. 6,268
Net output per person employed (f)	£ 583	£ 508	£ 495	£ ..	£ 488	£ 401	£ 205	£ 176
Stocks at end of year	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Products on hand for sale and work in progress	1,972	1,806	2,063	..	2,068	1,064	..	..
Materials and fuel	2,432	2,106	2,133	..	2,336	1,051	..	..
Number of establishments	No. 148	No. 158	No. 156	No. ..	No. 152	No. ..	No. ..	No. 64

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)	13,565	15,986	15,201	..	12,623	8,271	2,972	1,778
Principal products (h)	3,740				2,471		709	351
Other output (i)								
Changes in stocks and work in progress (j)	+ 383	+ 24	- 96	..	+ 156	+ 275	+ 6(k)	+ 14(k)
Less payment for transport outwards (e)	17,688	16,010	15,105	..	15,251	8,546	3,687	2,143
Gross output (production)	17,688	15,896	14,990	..	15,206	8,546	3,687	2,143
Materials and fuel used by firms in this trade								
Purchases	9,292	7,425	6,645	..	7,119	3,672	1,685	1,031
Changes in stocks (j)	- 742	- 72	+ 240	..	- 185	- 335		
Materials and fuel used	8,551	7,354	6,884	..	6,935	3,337	1,685	1,031

- (a) For small firms' summary see Table 2.  
 (b) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.  
 (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.  
 (k) Work in progress only.

## Summary

## Small firms (a)

TABLE 2

	Great Britain		United Kingdom	Great Britain	
	1951	1950	1949	1949	1948
Number of returns	41	49	58	57	67
Average number of persons employed (b)					
Males	177	235	209	201	268
Females	68	90	108	107	131
Total	245	325	317	308	399

- (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.

## 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)	14,978	16,436	16,098	(c)	16,532
Employing on the average ten or fewer persons (d)	245(e)	325(e)	317	308	399
Estimated average employment in firms not making satisfactory returns	15,223	16,761	16,415	(c)	16,931
Estimated average employment in all firms	6	24	32	32	24
	15,229(e)	16,785(e)	16,447	(c)	16,955

- (a) Including working proprietors.  
 (b) See Tables 13(iv) and 14.  
 (c) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.  
 (d) See Table 2.  
 (e) 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	40	772	337	698	159	82	241	483
25 - 49	38	1,715	775	1,369	307	136	442	566
50 - 99	32	2,785	1,335	2,227	471	243	714	600
100 - 199	22	3,863	1,789	3,225	745	272	1,017	555
200 - 299	5	1,166	553	1,172	233	98	331	472
300 - 399	5	2,002	1,043	1,787	416	164	579	584
400 - 499	3	1,629	780	1,325	312	119	431	589
500 and over	3	3,756	2,119	3,175	693	352	1,045	667
Total	148	17,688	8,732	14,978	3,336	1,465	4,801	583

(a) Administrative, technical and clerical employees.

## Analysis by standard region, 1951

## Larger establishments in the United Kingdom

TABLE 5

Region	Establishments	Gross output	Net output		Persons employed	Remuneration			Net output per person employed
			Value	Percentage of total		Operatives	Other employees (a)	Total	
	No.	£'000	£'000		No.	£'000	£'000	£'000	£
England									
Northern	5	842	359	4.1	759	162	52	215	474
East and West Ridings; and North Midland	4	251	96	1.1	254	50	14	64	376
Eastern	8	521	244	2.8	486	103	37	140	503
London and South Eastern	59	6,219	3,085	35.3	4,565	1,086	530	1,616	676
Southern	4	278	145	1.7	288	58	33	91	502
South Western	5	342	133	1.5	223	35	24	60	598
Midland	41	7,309	3,654	41.8	6,494	1,445	631	2,075	563
North Western	16	1,530	842	9.6	1,555	328	122	450	542
Total England	142	17,291	8,558	98.0	14,624	3,268	1,444	4,712	585
Wales, Scotland and Northern Ireland	6	397	174	2.0	354	69	21	89	490
United Kingdom	148	17,688	8,732	100.0	14,978	3,336	1,465	4,801	583

(a) Administrative, technical and clerical employees.

TABLE 6 - Analysis according to specialisation within the trade, 1951

## Larger establishments in the United Kingdom

No specialisation within this trade was distinguished.

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
	Value	Entries	Value
	£'000	No.	£'000
Electric lighting fittings and accessories (a)			
Auxiliary gear for discharge lighting	2,023	31	2,432
Other fittings, not elsewhere specified			
Domestic, decorative and commercial	3,610	111	2,216(b)
Industrial, including floodlighting and shop window lighting	5,241	86	3,753
Street lighting	904	24	713
Fittings other than auxiliary gear for discharge lighting, unclassified	-	-	238
Wiring accessories, up to 250 volts, 30 amps. (e.g., lampholders, ceiling roses, wall plugs and sockets, switches), not elsewhere specified			
Mainly of brass (a)	1,402	34	1,235
Mainly of plastic material	5,643	74	4,724
Other (porcelain, etc.)	2,227	41	1,515
Unclassified	1,470	6	3,020
Electric bell apparatus, not telegraphic or telephonic	395	17	380
Waste products, other than scrap metals	1	7	7
Repair and maintenance work for customers (c)	99	12	44
Total	23,015	..	20,276
Sales in other trades (see Table 9)	9,449	..	7,653
Principal products of this trade sold by establishments in the trade	13,565	127	12,623

(a) Excluding the output of brass accessories and fittings by finished brass manufacturers, for which see the Brass Manufacturers Trade (Volume 5, Trade F).

(b) Described as 'Ornamental, decorative and commercial'.

(c) 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
	Value	Entries	Value
	£'000	No.	£'000
Electric lighting fittings and accessories			
Auxiliary gear for discharge lighting	1,370	14	1,612
Other fittings, not elsewhere specified			
Domestic, decorative and commercial	728	38	362
Industrial, including floodlighting and shop window lighting	1,841	38	1,295
Street lighting	598	11	352
Fittings other than auxiliary gear for discharge lighting, unclassified	-	-	76
Wiring accessories, up to 250 volts, 30 amps. (e.g., lampholders, ceiling roses, wall plugs and sockets, switches), not elsewhere specified			
Mainly of brass	523	15	465
Mainly of plastic material	3,049	43	2,459
Other (porcelain, etc.)	941	23	417
Unclassified	401	18	615
Electric bell apparatus, not telegraphic or telephonic			
Total	9,449	..	7,653

## Sales in the trade of other than principal products

## Larger establishments

TABLE 10

	United Kingdom 1951	Great Britain 1948
	Value	Value
	£'000	£'000
Radio, telecommunication and electronic apparatus, components and parts	234	362
Switchgear and switchboards (other than telegraph or telephone), complete and parts	323	149
Cable jointing materials and accessories (other than tape, cloth and other insulating materials)	29	79
Cooking apparatus and appliances, electric (including parts and accessories)	23	256
Heating appliances, electric (including parts and accessories)	87	
Irons, electric	55	26
Other electrical goods and apparatus	890	625
Other goods	1,676	706
Scrap metals sold	210	95
Work done (a)	214	173
Total	3,740	2,471

(a) Amount charged, exclusive of the value of goods used and recorded as output. The value of these goods used in 1951 was recorded as £9,000; similar information is not available for 1948.

TABLE 11  
Production, exports and imports of certain principal products (a)

		Production (b)(c)	Exports (d)	Retained imports (e)
		£'000	£'000	£'000
Electric lighting fittings and accessories, excluding bulbs and glassware (f)	1951	22,519	3,626	362
	1948	19,846	4,319	58
	1937	4,034	538	373
Electric bell apparatus, not telegraphic or telephonic	1951	395	101	3
	1948	380	103	1
	1937	128	15	29

(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) The figures shown for imports and exports cover a slightly different field from those of production; in particular the latter exclude the output of brass accessories and fittings by finished brass manufacturers.

## Usage of certain specified purchased materials, 1951

## Larger establishments in the United Kingdom

TABLE 12

Materials used	Quantity
	Th. tons
Iron	
Pig iron	1.5
Iron castings, in the rough	2.6
Non-alloy steel	
Angles, shapes and sections	0.5
Bars and rods	0.4
Hoop and strip (including tape)	0.5
Tin-, terne-, and black- plates and sheets	2.2
Electrical sheets	1.4
Other plates and sheets	
1/8 inches thick and over	0.1
Under 1/8 inches thick	3.1
Tubes and fittings	0.5
Alloy-steel (including high-speed steel)	
Bars, rods, angles, shapes, sections, girders, joists and pillars (not fabricated)	0.1
Plates, sheets and strip	0.6
Tubes and fittings	0.1
Non-ferrous metals in all forms (except finished parts)	Th.cwts.
Aluminium and aluminium alloys	12.7
Brass and other copper alloys, including nickel silver but excluding other nickel alloys	63.1
Copper	12.9
Lead and alloys of lead	0.4
Nickel and nickel alloys, excluding nickel silver	0.2
Zinc and alloys of zinc	2.7
Lead compounds	0.2
Zinc compounds	0.1
Timber (other than reclaimed) including that used for packing or packing case manufacture, but excluding joinery, other fabricated woodwork and purchased packing cases	Th.cu.ft.
Hardwood	6.8
Softwood	10.2
Cotton yarn, thread and cloth	Th.lbs.
Rayon, nylon, etc. yarn, thread and cloth	1.1
	0.2

TABLE 13  
Employment in September  
Larger establishments (a)

	United Kingdom			Great Britain	United Kingdom		
	1951(b)	1950(b)	1949(b)	1949(c)	1948(d)	1937(d)	1935(d)
(i) Operatives							
Males							
Under 16	455	365	375	..	451	1,436	1,016
All ages	5,700	6,041	5,808	..	6,053	4,518	2,990
Females							
Under 18	587	548	724	..	890	1,640	993
All ages	6,116	7,293	6,705	..	7,511	3,959	2,392
Total							
Under 18	1,042	913	1,099	..	1,341	3,076	2,009
All ages	11,816	13,334	12,513	..	13,564	8,477	5,382

(ii) Administrative, technical and clerical employees (e)

	United Kingdom			Great Britain	United Kingdom		
	1951	1950	1949	1949(c)	1948	1937	1935
(ii) Administrative, technical and clerical employees (e)							
Males							
Under 18	63	58	58	..	84	74	36
All ages	1,673	1,831	1,892	..	1,677	722	563
Females							
Under 18	175	172	223	..	218	168	79
All ages	1,226	1,258	1,424	..	1,275	474	323
Total							
Under 18	238	230	281	..	302	242	115
All ages	2,899(f)	3,089(f)	3,316(f)	..	2,952(f)	1,196	886

(iii) Total employees

	United Kingdom			Great Britain	United Kingdom		
	1951	1950	1949	1949(c)	1948	1937	1935
(iii) Total employees							
Males							
Under 18	518	423	433	..	535	1,510	1,052
All ages	7,373	7,872	7,700	..	7,730	5,240	3,553
Females							
Under 18	762	720	947	..	1,108	1,808	1,072
All ages	7,342	8,551	8,129	..	8,786	4,433	2,715
Total							
Under 18	1,280	1,143	1,380	..	1,643	3,318	2,124
All ages	14,715(f)	16,423(f)	15,829(f)	..	16,516(f)	9,673	6,268

(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 1 Male 112 Females  
Other workers 171 Males 25 Females

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

(c) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.

(d) Average for the year.

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

(f) 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

	United Kingdom			Great Britain	United Kingdom	
	1951	1950	1949	1949(c)	1948	1935
Males	7	10	11	..	13	..
Females	1	2	2	..	3	..
Total	8	12	13	..	16	..

TABLE 14  
Average employment  
Larger establishments (a)

	United Kingdom			Great Britain	United Kingdom		
	1951	1950	1949	1949(b)	1948	1937	1935
Average employment							
Operatives	12,092	13,339	12,772	..	13,564	8,477	5,382
Administrative, technical and clerical employees	2,878	3,085	3,313	..	2,952(c)	1,196(c)	886(c)
Total	14,970	16,424	16,085	..	16,516	9,673	6,268

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

(b) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.

(c) 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
Males	23	23	18	18	32	..	..
Females	202	238	140	140	173	..	..
Total	225	261	158	158	205	..	..

Shift working, 1951 (a)

Larger establishments in Great Britain

TABLE 15

	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	360	2,880	3
Continuous 4 shift systems per 24 hours averaging 6 hours per shift	-	-	-
All 2 shift systems	359	3,672	3
Other shift systems	205	1,607	3
Total	924	8,159	(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	..	8	..	1,374	179
Percentage of total in trade	100.0	6.0(c)	100.0	12.0(c)	2.0(c)
Percentage of total on returns showing shift work				100.0	13.0

(c) Rounded to avoid disclosure.

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

	United Kingdom			Great Britain	
	1951	1950	1949	1949 (a)	1948
Wages and salaries (b) of	£'000	£'000	£'000		£'000
Operatives	3,336	3,351	3,165	..	3,193
Administrative, technical and clerical employees	1,465	1,491	1,462	..	1,273
Total	4,801	4,842	4,627	..	4,466
Employers' contributions to all National Insurance Schemes	134	147	151	..	121(c)

(a) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.

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

United Kingdom			Great Britain	
1951	1950	1949	1949	1948
£'000	£'000	£'000	£'000	£'000
16	16	10	10	16

(c) Corrected figure.

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	191	173	173	190
Second-hand	12	16	16	34
Vehicles				
New	56	39	39	26
Second-hand	28	12	12	22
Total acquisitions	287	240	240	272
Disposals				
Plant and machinery	4	21	21	48
Vehicles	20	12	12	9
Total disposals	25	33	33	57
New building work				
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	68	130	130	101

1951

## Summary

## Larger establishments

TABLE 18

	England	Wales (a)	Scotland (a)	Great Britain	Northern Ireland (a)	United Kingdom
	£'000	£'000	£'000	£'000	£'000	£'000
Gross output (production)	17,291	397	..	..	..	17,688
Cost of materials and fuel used	8,337	214	..	..	..	8,551
Payment for work done on materials given out	176	2	..	..	..	179
Transport payments	220	7	..	..	..	227
Net output	8,558	174	..	..	..	8,732
Wages and salaries of persons employed	4,712	89	..	..	..	4,801
No.	No.	No.	No.	No.	No.	No.
Average number of persons employed (b)	14,624	354	..	..	..	14,978
£	£	£	£	£	£	£
Net output per person employed (b)	585	490	..	..	..	583
£'000	£'000	£'000	£'000	£'000	£'000	£'000
Stocks at end of year						
Products on hand for sale and work in progress	1,941	31	..	..	..	1,972
Materials and fuel	2,364	68	..	..	..	2,432
No.	No.	No.	No.	No.	No.	No.
Number of establishments	142	6	..	..	..	148

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)	16,916	389	..	..	..	17,305
Changes in stocks and work in progress (see Table 21)	+ 375	+ 8	..	..	..	+ 383
Gross output (production)	17,291	397	..	..	..	17,688
Materials and fuel used by firms in this trade						
Purchases	9,053	239	..	..	..	9,292
Changes in stocks (see Table 21)	- 716	- 25	..	..	..	- 742
Materials and fuel used	8,337	214	..	..	..	8,551

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Scotland and Northern Ireland cannot be given separately and have been included with those for Wales. The proportion of the net output of the United Kingdom recorded in Northern Ireland was negligible.

(b) Excluding outworkers but including working proprietors.

## Summary

## Small firms in Great Britain (a)

TABLE 19

	England	Wales	Scotland	Great Britain
Number of returns	39	2	-	41
Average number of persons employed (b)				
Males	173	4	-	177
Females	67	1	-	68
Total	240	5	-	245

(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

	United Kingdom	
	Value	
	£'000	
Principal products		
Electric lighting fittings and accessories		
Auxiliary gear for discharge lighting	653	
Other fittings, not elsewhere specified		
Domestic, decorative and commercial	2,882	
Industrial, including flood-lighting and shop window lighting	3,400	
Street lighting	306	
Wiring accessories, up to 250 volts, 30 amps. (e.g., lampholders, ceiling roses, wall plugs and sockets, switches), not elsewhere specified		
Mainly of brass	880	
Mainly of plastic material	2,594	
Other (porcelain, etc.)	1,286	
Unclassified		
Electric bell apparatus, not telegraphic or telephonic	1,465	
Waste products, other than scrap metals	1	
Repair and maintenance work for customers (a)	99	
Total principal products	13,565	
Other output		
Radio, telecommunication and electronic apparatus, components and parts	234	
Switchgear and switchboards (other than telegraph or telephone), complete and parts	323	
Cable jointing materials and accessories (other than tape, cloth and other insulating materials)	29	
Cooking apparatus and appliances, electric (including parts and accessories)	23	
Heating appliances, electric (including parts and accessories)	87	
Irons, electric	55	
Other electrical goods and apparatus	890	
Other goods	1,676	
Scrap metals sold	210	
Work done (a)(b)	214	
Total	17,305	

(a) Amount charged.

(b) Exclusive of the value of goods used and recorded as output. The value of these goods used was recorded as £9,000.

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

TABLE 21

£'000

		United Kingdom
Products on hand for sale	{ at beginning of year	776
	{ at end of year	887
Work in progress	{ at beginning of year	814
	{ at end of year	1,085
Total products on hand for sale and work in progress	{ at beginning of year	1,589
	{ at end of year	1,972
Materials and fuel	{ at beginning of year	1,691
	{ at end of year	2,432

TABLE 22 - Employment in September: Larger establishments

See Table 13.

TABLE 23 - Average employment: Larger establishments

See Table 14.

TABLE 24 - Wages and salaries and employers' National Insurance contributions paid during the year: Larger establishments

See Table 16.

TABLE 25 - Plant, machinery and vehicles - acquisitions and disposals, and capital expenditure on new building work: Larger establishments

See Table 17. No capital expenditure was recorded in this trade in Northern Ireland.

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

## Larger establishments

£'000

TABLE 26

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Amounts paid to other firms and undertakings	(a)	(a)	221	-	221
Amount paid or credited to firms' own separate transport organisations	6	-	6	-	6
Total	(a)	(a)	227	-	227

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



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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PRINTED IN GREAT BRITAIN