



BOARD OF TRADE

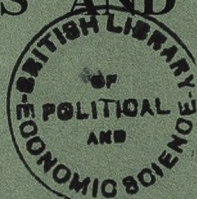
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THE REPORT  
on the  
CENSUS OF PRODUCTION  
FOR 1951

Volume 11

Trade C

BRUSHES AND BROOMS



*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

1954

TWO SHILLINGS NET

47  
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\* Not applicable to this trade

BRUSHES AND BROOMS TRADE

THIS REPORT on the Brushes and Brooms Trade relates to establishments engaged wholly or mainly in the manufacture of brushes and brooms, in preparing animal hair for brushmaking, and in dressing bristles and fibres for all purposes.

This trade corresponds to minimum list heading 192 in the Standard Industrial Classification.

Particulars available in respect of H.M. prisons are given separately in a note to Table 1. For 1937 and 1935 similar information was not collected.

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.

## BRUSHES AND BROOMS TRADE

## Summary

## Larger establishments (a)

TABLE 1

	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949 (b)	1948	1937	1935
	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Gross output (production) (c)	19,021	14,572	14,422	..	15,647	4,693	3,759
Cost of materials and fuel used (d)	11,295	8,280	8,150	..	8,502	2,475	1,834
Payment for work done on materials given out	27	24	21	..	65	5	7
Transport payments (e)	206	..	..	..	..	..	..
Net output	7,493	6,269	6,251	..	7,081	2,213	1,918
Wages and salaries of persons employed	3,885	3,384	3,368	..	3,456	..	..
Average number of persons employed (f)	No. 13,976	No. 13,208	No. 13,551	..	No. 14,319	No. 12,032	No. 11,417
Net output per person employed (f)	£ 536	£ 475	£ 461	..	£ 495	£ 184	£ 168
Stocks at end of year	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Products on hand for sale and work in progress	1,924	1,456	1,537	..	1,462	..	..
Materials and fuel	4,089	2,903	2,944	..	2,920	..	..
Number of establishments	No. 219	No. 217	No. 231	..	No. 244	No. ..	No. 169

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

	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Output of firms in this trade (g)							
Principal products (h)	17,452	14,729	14,397	..	14,572	4,356	3,631
Other output (i)	1,161		757	337		128	
Changes in stocks and work in progress (j)	+ 408	- 45	+ 119	..	+ 410		
	19,021	14,684	14,516	..	15,739	4,693	3,759
Less payment for transport outwards (e)	..	111	95	..	92		
Gross output (production)	19,021	14,572	14,422	..	15,647	4,693	3,759
Materials and fuel used by firms in this trade							
Purchases	12,446	8,228	8,155	..	8,828	2,475	1,834
Changes in stocks (j)	- 1,152	+ 52	- 6	..	- 326		
Materials and fuel used	11,295	8,280	8,150	..	8,502	2,475	1,834

- (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 and 1948) 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.

NOTE - Particulars, excluded from the tables in this report, in respect of H.M. prisons (1 establishment) are as follows:-

	1951	1950	1949	1948
Gross output (production)	22	17	12	11
Cost of materials used	20	15	10	9
Net output	2	2	2	2

Details of salaries and wages and of persons employed are not available.

## Summary

## Small firms (a)

TABLE 2

	Great Britain		United Kingdom	Great Britain	
	1951	1950	1949	1949 (b)	1948
Number of returns	265	258	253	..	238
Average number of persons employed (c)					
Males	931	899	814	..	864
Females	606	566	496	..	491
Total	1,537	1,465	1,310	..	1,355

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

(c) Including working proprietors.

## Estimated average employment (a)

## All firms

TABLE 3

	United Kingdom			Great Britain	
	1951	1950	1949	1949 (b)	1948
As returned by firms					
Employing on the average more than ten persons (c)	13,976	13,208	13,551	..	14,319
Employing on the average ten or fewer persons (d)	1,537 (e)	1,465 (e)	1,310	..	1,355
Estimated average employment in firms not making satisfactory returns	15,513	14,673	14,861	..	15,674
	197	103	73	..	119
Estimated average employment in all firms	15,710 (e)	14,776 (e)	14,934	..	15,793

(a) Including working proprietors.

(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) See Tables 13(iv) and 14.

(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	89	2,145	826	1,546	304	126	430	534
25 - 49	62	2,602	954	2,132	401	179	581	447
50 - 99	35	2,502	1,002	2,385	454	184	638	420
100 - 199	19	3,574	1,289	2,710	569	151	721	476
200 - 299	6	1,755	815	1,600	302	91	393	509
300 - 399	3	2,029	776	1,059	237	89	326	732
400 - 749	5	4,413	1,831	2,544	554	243	797	720
Total	219	19,021	7,493	13,976	2,822	1,064	3,885	536

(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 and Northern Ireland									
Northern	11	424	197	2.6	644	106	44	150	306
East and West Riding	20	938	335	4.5	780	152	49	201	430
North Midland	4	87	43	0.6	87	16	5	21	498
Eastern	23	3,433	1,596	21.3	2,676	554	167	721	596
London and South Eastern	51	4,123	1,441	19.2	2,476	562	232	793	582
Southern	22	2,333	882	11.8	1,574	309	99	408	561
South Western	9	1,049	406	5.4	726	146	66	212	559
Midland	28	4,031	1,551	20.7	2,795	539	246	785	555
North Western; and Northern Ireland	40	1,972	696	9.3	1,498	283	113	396	464
Total England and Northern Ireland	208	18,390	7,147	95.4	13,256	2,667	1,021	3,687	539
Wales	5	455	259	3.5	525	118	25	143	492
Scotland	6	175	87	1.2	195	37	18	55	447
United Kingdom	219	19,021	7,493	100.0	13,976	2,822	1,064	3,885	536

(a) Administrative, technical and clerical employees.

(17758)

## Analysis according to specialisation within the trade, 1951

## Larger establishments in the United Kingdom

TABLE 6

	Establishments	Gross output	Sales of characteristic products	Net output	Persons employed	Remuneration			Net output per person employed
						Operatives	Other employees (a)	Total	
	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Specialist producers of Dressed bristles, hair and fibres	15	1,525	1,452	411	649	160	47	206	634
Paint, paste distemper, whitewash and similar brushes	37	5,991	4,599	2,193	3,441	737	371	1,108	637
Toilet brushes (except wire-filled)	29	2,993	2,443	1,403	2,332	483	178	660	602
Remainder of the trade	138	8,512		3,485	7,554	1,442	469	1,911	461
Total	219	19,021		7,493	13,976	2,822	1,064	3,885	536

(a) Administrative, technical and clerical employees.

TABLE 7 - Total make of intermediate products: Larger establishments

This table is not applicable to the trade.

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

## Larger establishments

TABLE 8

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
	Th.lbs.	£'000	No.	Th.lbs.	£'000
Bristles, hair and fibres, dressed					
For brushmaking					
Dressed bristles	78.1	132	9	130.7	143(a)
Prepared animal hair	699.1	673	21	904.6	533
	Th.cwts.			Th.cwts.	
Dressed fibres	77.5	822	15	66.9	667
Other bristles and fibres, dressed; and unclassified (and mixed) bristles, hair and fibres, dressed for brushmaking	15.3	116	6	14.4	87
Total bristles and fibres, dressed, and hair prepared for brushmaking		1,895	..		1,442
Brushes, brooms, etc., excluding all brushes filled with wire (b)	Th.doz.			Th.doz.	
Artists' brushes and brushes of fine hair	1,594	609	21	1,675	567
Paint, paste, distemper, whitewash and similar brushes	..	96	..	..	73
Overall width of filling at mouth of ferrule or other binding					
Not exceeding 3 inches	1,889	3,071	58	1,580	2,141
Exceeding 3 inches	283	1,877	66	242	1,528
Unclassified	41	191	5	473	767

(17758)

TABLE 8 (contd.)

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
	Th.doz.	£'000	No.	Th.doz.	£'000
Brushes, brooms, etc., excluding all brushes filled with wire (b) (contd.)					
Brushes for use as part of a machine	270	728	81	217	511
Toilet brushes	..	136			
Tooth and dental plate brushes					
Filled with synthetic fibre	2,366	976	13	1,327	449
Other	637	391	15	774	303
Shaving brushes	192	390	17	167	309
Nail brushes	479	276	34	598	362
Hair brushes	376	853		438	1,198
Other toilet brushes, except shoe brushes	818	297	39	299	294
Brooms					
Machine stapled and other machine made	755	1,123	68	555	780
Hand made	197	708	95	240	890
Banister and hearth brushes					
Machine stapled and other machine made	396	303	56	262	233
Hand made	142	321	92	187	391
Scrubbing and laundry brushes	973	569	74	1,081	632
Other brushes, including household types (c)					
Machine and stapled and other machine made	1,240	1,009	69	635	451
Hand made	..	193		146	298
Unclassified	-	-	-	502	403(d)
Mops, other than for artists					
Mops used in washing up	113	29	16	509	436(e)
Other	425	571	17	..	99
Industrial polishing mops (buffs, bobs, etc.) excluding circular brushes	193	1,185	15	491	202(f)
Waste products	..	372		..	921
Work done for the trade or on commission (g)					
Dressing of bristles, hair and fibre		5	6		16
Other		84	26		60
Total		18,690	..		15,852
Sales in other trades (see Table 9)		1,239	..		1,280
Principal products of this trade sold by establishments in the trade		17,452	203		14,572

(a) Recorded as:-

	Th.lbs.	£'000
Dressed bristles for brushmaking	88.7	113
Pure	42.0	30
Mixed with hair	..	13

(b) For brushes filled with wire see the Wire and Wire Manufactures Trade (Volume 5, Trade D).

(c) Excluding for 1948 feather brushes.

(d) Recorded as:-

	Th.doz.	£'000
Shoe brushes	231	144
Stove and round oil brushes	..	32
Lavatory brushes	160	155
Other	111	104

(e) Including feather brushes.

(f) So far as recorded separately.

(g) Amount charged.

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

## Larger establishments

TABLE 9

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
	Th.lbs.	£'000	No.	Th.lbs.	£'000
Bristles, hair and fibres, dressed					
For brushmaking					
Dressed bristles and fibres	-	-	-	0.1	-
Prepared animal hair	295.9	254	7	267.0	169
Other bristles and fibres, dressed; and unclassified (and mixed) bristles, hair and fibres, dressed for brushmaking	Th.cwts.			Th.cwts.	
	7.8	32	..	11.2	31
Brushes, brooms, etc., excluding all brushes filled with wire	Th.doz.			Th.doz.	
Artists' brushes and brushes of fine hair	886	380	..	846	253
Paint, paste, distemper, whitewash and similar brushes	-	-	-	2	3
Banister and hearth brushes	-	-	-	-	1
Scrubbing and laundry brushes	-	-	-	3	2
All other types of brushes and hand made brooms	407	269	..	576	497
Mops, except artists' and those used in washing up; and industrial polishing mop (buffs, bobs, etc.) excluding circular brushes	..	224	..	..	303
Work done for the trade or on commission, other than the dressing of bristles, hair and fibre (a)		3	..		1
Total		1,239	..		1,280

(a) Amount charged.

## Sales in the trade of other than principal products

## Larger establishments

TABLE 10

	United Kingdom 1951		Great Britain 1948	
	Quantity	Value	Quantity	Value
	Th.doz.	£'000	Th.doz.	£'000
Wire brushes				
For use as part of a machine	65	138	17	50
Other sorts	..	59		
Toilet	64	67	132	181
Other	64	52		
Other	..	56		
Parts of brushes and brooms, made of wood	..	32	..	44
Polishes	Th.cwts.		Th.cwts.	
	36.0	288	38.4	242
Prepared animal hair, other than for brushmaking	..	88	..	10
Coir manufactures	0.4	38	..	226
Baskets (manufactured wholly or partly of willow, cane or wicker)	..	37		
Other goods	..	31		
Work done (a)	..	211		4
Work done (a)		64		
Total		1,161		757

(a) Amount charged.

(17758)

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

TABLE 11

		Production (b) (c)	Exports	Retained imports
		Th.doz.	Th.doz.	Th.doz.
Artists' brushes and brushes of fine hair	1951	1,840(d)	229	252
	1948	1,890(d)	212	12
	1937	483	29	61
Paint, paste, distemper, whitewash and similar brushes				
Overall width of filling at mouth of ferrule or other binding				
Not exceeding 3 inches	1951	1,889	185	..
Exceeding 3 inches	1951	283	96	..
Total paint, paste, distemper, whitewash and similar brushes	1951	2,213(e)	281	63
	1948	2,295	288	17
	1937	1,920	207	465
Toilet brushes				
Tooth and dental plate brushes	1951	3,003	894	..
	1948	2,101	438	12
	1937	2,430	373	87
Shaving brushes	1951	192	53	..
	1948	167	39	1
	1937	356	40	14
Other toilet brushes, excluding brushes filled with wire (f)	1951	1,673	446	..
	1948	1,375(d)	189	35
	1937	806	83	627
Total toilet brushes, excluding brushes filled with wire (f)	1951	4,869	1,393	218
	1948	3,643(d)	666	48
	1937	3,592	496	728
Other brushes (except brushes for use as part of a machine and brushes filled with wire) and brooms				
Brooms and banister and hearth brushes	1951	1,490	56(g)	..
	1948	1,244	46(g)	..
Scrubbing and laundry brushes	1951	973	70	..
	1948	1,081	86	..
Other sorts (including mops)	1951	2,200(d)	173	..
	1948	2,030(d)	187(h)	..
Total other brushes and brooms	1951	4,663(d)	299	95(h)
	1948	4,355(d)	319(h)	96(h)
	1937	4,226(i)	280(h)	2,031(h)

(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) Partly estimated.

(e) Including unclassified sales.

(f) The overseas trade figures include toilet brushes filled with wire.

(g) Described as 'Sweeping brooms and hand sweeping brushes'.

(h) Including brushes filled with wire (except those for use as part of a machine).

(i) Excluding feather brushes and mops.

## Usage of certain specified purchased materials, 1951

## Larger establishments in the United Kingdom

TABLE 12

Materials used	Quantity
Steel	Th.cwts.
Hoop and strip (including tape)	3.2
Tubing	1.5
Steel wire	19.3
Brass and all alloys of copper (including nickel silver but excluding other nickel alloys) in all forms, except finished parts and scrap	2.3
Copper in all forms, except finished parts and scrap	0.5
Timber (other than reclaimed), including that used for packing or packing case manufacture but excluding joinery, other fabricated	Th.cu.ft.
woodwork and purchased packing cases	915
Hardwood	108
Softwood	

## Employment in September

## Larger establishments (a)

TABLE 13

## (i) Operatives

	United Kingdom			Great Britain		United Kingdom	
	1951(b)	1950(b)	1949(b)	1949(b)(c)	1948(d)	1937(d)	1935(d)
Males							
Under 18	490	486	620	..	686	563	622
All ages	5,216	4,711	4,940	..	5,296	3,872	3,818
Females							
Under 18	938	868	1,022	..	1,315	1,882	1,562
All ages	6,784	6,050	6,299	..	7,037	5,574	5,136
Total							
Under 18	1,428	1,354	1,642	..	2,001	2,445	2,184
All ages	12,000	10,761	11,239	..	12,333	9,446	8,954

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

	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949(c)	1948	1937	1935
Males							
Under 18	29	28	36	..	29	69	71
All ages	1,375	1,201	1,171	..	1,103	2,062	1,984
Females							
Under 18	124	126	135	..	134	118	94
All ages	820	876	828	..	810	524	479
Total							
Under 18	153	154	171	..	163	187	165
All ages	2,195(f)	2,077(f)	1,999(f)	..	1,913(f)	2,586	2,463

(continued overleaf)

TABLE 13 (contd.)

	(iii) Total employees						Number	
	United Kingdom			Great Britain		United Kingdom		
	1951	1950	1949	1949 (c)	1948	1937	1935	
Males								
Under 18	519	514	656	..	715	632	693	
All ages	6,591	5,912	6,111	..	6,399	5,934	5,802	
Females								
Under 18	1,062	994	1,157	..	1,449	2,000	1,656	
All ages	7,604	6,926	7,127	..	7,847	6,098	5,615	
Total								
Under 18	1,581	1,508	1,813	..	2,164	2,632	2,349	
All ages	14,195(f)	12,838(f)	13,238(f)	..	14,246(f)	12,032	11,417	

(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 (e.g., employees in Great Britain engaged, for example, in Merchanting and in Northern Ireland canteen and welfare workers):-

Canteen workers 2 Males 136 Females  
Other workers 64 Males 23 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						Number	
	United Kingdom			Great Britain				
	1951	1950	1949	1949	1948			
Males	55	51	64	..	66			
Females	3	4	4	..	7			
Total	58	55	68	..	73			

Average employment  
Larger establishments (a)

	TABLE 14						Number	
	United Kingdom			Great Britain		United Kingdom		
	1951	1950	1949	1949(b)	1948	1937	1935	
Operatives	11,773	11,068	11,535	..	12,333	9,446	8,954	
Administrative, technical and clerical employees	2,145	2,085	1,948	..	1,913(c)	2,586(c)	2,463(c)	
Total	13,918	13,153	13,483	..	14,246	12,032	11,417	

(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.

	TABLE 14						Number	
	United Kingdom			Great Britain		United Kingdom		
	1951	1950	1949	1949	1948	1937	1935	
Males	9	16	16	..	12	10	10	
Females	485	605	639	..	906	416	413	
Total	494	621	655	..	918	426	423	

Table 15 - Shift working: Larger establishments in Great Britain

Owing to the risk of disclosure of information relating to individual firms particulars for this table cannot be given.

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

	TABLE 16					£'000	
	United Kingdom			Great Britain			
	1951	1950	1949	1949(a)	1948		
Wages and salaries (b) of							
Operatives	2,822	2,473	2,506	..	2,601		
Administrative, technical and clerical employees	1,064	912	861	..	855		
Total	3,885	3,384	3,368	..	3,456		
Employers' contributions to all National Insurance Schemes	125	118	118	..	101		

(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.

TABLE 16					£'000	
United Kingdom			Great Britain			
1951	1950	1949	1949	1948		
31	36	40	..	57		

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

Larger establishments

	TABLE 17				£'000	
	United Kingdom		Great Britain			
	1951	1949	1949(a)	1948		
Plant, machinery and vehicles						
Acquisitions						
Plant and machinery						
New	242	228	..	290		
Second-hand	11	5	..	22		
Vehicles						
New	46	29	..	26		
Second-hand	19	16	..	19		
Total acquisitions	318	279	..	357		
Disposals						
Plant and machinery						
Vehicles	18	18	..	17		
	18	13	..	11		
Total disposals	37	30	..	27		
New building work						
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	110	156	..	93		

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

OTHER MANUFACTURING INDUSTRIES COUNTRY TABLES  
BRUSHES AND BROOMS TRADE  
1951

Summary

Larger establishments

TABLE 18

	England (a)	Wales	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
	£'000	£'000	£'000	£'000	£'000	£'000
Gross output (production)	18,390	455	175	..	..	19,021
Cost of materials and fuel used	11,018	190	86	..	..	11,295
Payment for work done on materials given out	27	-	-	..	..	27
Transport payments	198	6	2	..	..	206
Net output	7,147	259	87	..	..	7,493
Wages and salaries of persons employed	3,687	143	55	..	..	3,885
Average number of persons employed (b)	No. 13,256	No. 525	No. 195	No. ..	No. ..	No. 13,976
Net output per person employed (b)	£ 539	£ 492	£ 447	£ ..	£ ..	£ 536
Stocks at end of year	£'000	£'000	£'000	£'000	£'000	£'000
Products on hand for sale and work in progress	1,851	56	16	..	..	1,924
Materials and fuel	3,872	142	75	..	..	4,089
Number of establishments	No. 208	No. 5	No. 6	No. ..	No. ..	No. 219

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)	17,981	455	177	..	..	18,613
Changes in stocks and work in progress (see Table 21)	+ 409	+ 1	- 2	..	..	+ 408
Gross output (production)	18,390	455	175	..	..	19,021
Materials and fuel used by firms in this trade						
Purchases	12,106	250	90	..	..	12,446
Changes in stocks (see Table 21)	-1,088	- 59	- 4	..	..	-1,152
Materials and fuel used	11,018	190	86	..	..	11,295

- (a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland, where net output was about 1 per cent. of that of the United Kingdom, cannot be given separately and have been included with those for England.
- (b) Excluding outworkers but including working proprietors.

Summary

Small firms in Great Britain (a)

TABLE 19

	England (b)	Wales (b)	Scotland	Great Britain
Number of returns	253	..	12	265
Average number of persons employed (c)				
Males	881	..	50	931
Females	583	..	23	606
Total	1,464	..	73	1,537

- (a) Small firms in Great Britain (employing on the average ten or fewer persons) that made satisfactory returns.
- (b) Owing to the risk of disclosure of information relating to individual firms, particulars for Wales cannot be given separately and have been included with those for England.
- (c) Including working proprietors.



Sales in the trade  
Larger establishments

TABLE 20

	England and Wales		Scotland		Great Britain		Northern Ireland		United Kingdom	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
	Th.lbs.	£'000		£'000		£'000		£'000	Th.lbs.	£'000
Principal products										
Bristles, hair and fibres, dressed										
For brushmaking										
Dressed bristles	78.1	132(a)	-	-	..	..	..	(a)	78.1	132
Prepared animal hair	403.2	419(a)	-	-	..	..	..	(a)	403.2	419
	..	151							..	151
Dressed fibres	Th.cwts. 77.5	822	-	-	Th.cwts. 77.5	822	-	-	Th.cwts. 77.5	822
Other bristles and fibres, dressed; and unclassified (and mixed) bristles, hair and fibres, dressed for brushmaking	7.4	84	-	-	7.4	84	-	-	7.4	84
Total bristles and fibres, dressed, and hair prepared for brushmaking		1,608(a)		-		(b)		(a)		1,608
Brushes, brooms, etc., excluding all brushes filled with wire										
Artists' brushes and brushes of fine hair	709	229	-	-	709	229	-	-	709	229
	..	96			..	96			..	96
Paint, paste, distemper, whitewash and similar brushes										
Overall width of filling at mouth of ferrule or other binding										
Not exceeding 3 inches	..	(b)	..	(b)	..	(b)	..	(b)	1,889	3,071
Exceeding 3 inches	274	1,832(a)	9	44	..	..	..	(a)	283	1,877
Unclassified	41	191	-	-	41	191	-	-	41	191
Toilet brushes										
Shaving brushes	192	390	-	-	192	390	-	-	192	390
Nail brushes	479	276	1	1	479	276	-	-	479	276
Hair brushes	..	(b)	..	(b)	376	853	-	-	376	853
Other toilet brushes, except shoe brushes and tooth and dental plate brushes	818	297	-	-	818	297	-	-	818	297
Brooms, machine stapled and other machine made	749	1,107(a)	6	16	..	..	..	(a)	755	1,123
Banister and hearth brushes										
Machine stapled and other machine made	392	296(a)	4	7	..	..	..	(a)	396	303
Hand made	139	313(a)	3	8	..	..	..	(a)	142	321
Scrubbing and laundry brushes	948	554(a)	25	15	..	..	..	(a)	973	569

TABLE 20 (contd.)

	England and Wales		Scotland		Great Britain		Northern Ireland		United Kingdom	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
	Th.doz.	£'000	Th.doz.	£'000	Th.doz.	£'000		£'000	Th.doz.	£'000
Principal products (contd.)										
Brushes, brooms, etc., excluding all brushes filled with wire (contd.)										
Other brushes, including household types, brushes for use as part of a machine, and tooth and dental plate brushes; and hand made brooms	4,481	3,820(a)	23	65	..	..	..	(a)	4,505	3,885
Mops used in washing up	..	320	..	2	..	..	-	-	..	322
Mops, except artists' and those used in washing up; and industrial polishing mops (buffs, bobs, etc.) excluding circular brushes	113	29	-	-	113	29	-	-	113	29
Waste products	..	21	-	-	..	21	-	-	..	21
Work done for the trade or on commission (c)	..	5	-	-	..	5	-	-	..	5
Dressing of bristles, hair and fibre	..	81	-	-	..	81	-	-	..	81
Other										
Total principal products		17,275(a)		177		..		(a)		17,452
Other output										
Wire brushes										
For use as part of a machine	65	138	-	-	65	138	-	-	65	138
Other sorts	..	59	-	-	..	59	-	-	..	59
Toilet	64	67	-	-	64	67	-	-	64	67
Other	64	52	-	-	64	52	-	-	64	52
Parts of brushes and brooms, made of wood	..	56	-	-	..	56	..	(a)	..	56
Polishes	..	32(a)	-	-	..	..	..	(a)	..	32
Prepared animal hair, other than for brushmaking	Th.cwts.	288	-	-	Th.cwts.	288	-	-	Th.cwts.	288
Coir manufactures	36.0	88	-	-	36.0	88	-	-	36.0	88
Baskets (manufactured wholly or partly of willow, cane or wicker)	..	38	-	-	..	38	-	-	..	38
Other goods	0.4	37	-	-	0.4	37	-	-	0.4	37
Work done (c)	..	31	-	-	..	31	-	-	..	31
Total	..	211(a)	-	-	..	..	..	(a)	..	211
Total	..	64	-	-	..	64	-	-	..	64
Total		18,436(a)		177		..		(a)		18,613

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

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

(c) Amount charged.

## BRUSHES AND BROOMS COUNTRY TABLES

11/C/15

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

## Larger establishments

TABLE 21

£'000

		England and Wales (a)	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
Products on hand for sale	{ at beginning of year	943	18	..	..	961
	{ at end of year	1,225	16	..	..	1,241
Work in progress	{ at beginning of year	554	-	..	..	555
	{ at end of year	682	-	..	..	683
Total products on hand for sale and work in progress	{ at beginning of year	1,497	19	..	..	1,516
	{ at end of year	1,907	16	..	..	1,924
Materials and fuel	{ at beginning of year	2,866	70	..	..	2,937
	{ at end of year	4,014	75	..	..	4,089

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

## Employment in September

## Larger establishments (a) (b)

Note - Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales throughout this table.

TABLE 22

## (i) Operatives

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	485	5	..	..	490
All ages	5,129	87	..	..	5,216
Females					
Under 18	931	7	..	..	938
All ages	6,721	63	..	..	6,784
Total					
Under 18	1,416	12	..	..	1,428
All ages	11,850	150	..	..	12,000

## (ii) Administrative, technical and clerical employees

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	27	2	29	-	29
All ages	1,351	24	..	..	1,375
Females					
Under 18	123	1	..	..	124
All ages	806	14	..	..	820
Total					
Under 18	150	3	..	..	153
All ages (c)	2,157	38	..	..	2,195

## (iii) Total employees

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	512	7	..	..	519
All ages	6,480	111	..	..	6,591
Females					
Under 18	1,054	8	..	..	1,062
All ages	7,527	77	..	..	7,604
Total					
Under 18	1,566	15	..	..	1,581
All ages (c)	14,007	188	..	..	14,195

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

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

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

TABLE 22 (contd.)

(iv) Working proprietors					Number
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males	54	1	..	..	55
Females	3	-	3	-	3
Total	57	1	..	..	58
(v) Excluded employees					Number
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Canteen workers					
Males	2	-	2	-	2
Females	136	-	..	..	136
Total	138	-	..	..	138
Other workers					
Males	64(d)	(d)	64	-	64
Females	23(d)	(d)	23	-	23
Total	87(d)	(d)	87	-	87
Total excluded employees	225(d)	(d)	..	..	225

(d) Owing to the risk of disclosure of information relating to individual firms, particulars for Scotland cannot be given separately and have been included with those for England and Wales.

Average employment  
Larger establishments (a)

TABLE 23						Number
	England and Wales (b)	Scotland	Great Britain	Northern Ireland (b)	United Kingdom	
Operatives	11,618	155	..	..	11,773	
Administrative, technical and clerical employees	2,106	39	..	..	2,145	
Total	13,724	194	..	..	13,918	

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

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males	9	-	9	-	9
Females	(c)	(c)	485	-	485
Total	(c)	(c)	494	-	494

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

(b) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

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

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

Larger establishments

TABLE 24

£'000

	England and Wales (a)	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
Wages and salaries (b) of					
Operatives	2,785	37	..	..	2,822
Administrative, technical and clerical employees	1,046	18	..	..	1,064
Total	3,831	55	..	..	3,885
Employers' contributions to all National Insurance Schemes	123	2	..	..	125

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

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

£'000

England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
31	-	31	-	31

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

Larger establishments

TABLE 25

£'000

	England and Wales (a)	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
Plant, machinery and vehicles					
Acquisitions					
Plant and machinery					
New	242	1	..	..	242
Second-hand	11	-	..	..	11
Vehicles					
New	46	-	..	..	46
Second-hand	19	-	..	..	19
Total acquisitions	317	1	..	..	318
Disposals					
Plant and machinery	18	1	..	..	18
Vehicles	18	-	..	..	18
Total disposals	36	1	..	..	37
New building work					
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	108	2	..	..	110

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

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

## Larger establishments

TABLE 26

£'000

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Amounts paid to other firms and undertakings	191(a)	2	..	(a)	192
Amount paid or credited to firms' own separate transport organisations	14	-	14	-	14
Total	205(a)	2	..	(a)	206

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

## 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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