



BOARD OF TRADE

FINAL REPORT
on the
CENSUS OF PRODUCTION
FOR 1948

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 : HIS MAJESTY'S STATIONERY OFFICE

1952

PRICE 2s. 6d. NET

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 Od. NET

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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.

Establishments in this trade 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.

OTHER MANUFACTURING INDUSTRIES
BRUSHES AND BROOMS TRADE

Summary

Larger establishments

TABLE 1

	1948 (a)	1937 (b)	1935 (b)
	£'000	£'000	£'000
Gross output (production)	15,647	4,693	3,759
Cost of materials and fuel used	8,502	2,475	1,834
Payment for work done on materials given out	65	5	7
Net output	7,081	2,213	1,918
Wages and salaries of persons employed	3,456	..	..
Average number of persons employed (c)	No. 14,319 (d)	No. 12,032	No. 11,417
Net output per person employed (c)	£ 495	£ 184	£ 168
Stocks at end of year	£'000	£'000	£'000
Finished products and work in progress	1,462	..	..
Materials and fuel	2,920	..	..
Number of establishments	No. 244	No. ..	No. 169

(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	1937	1935
	£'000	£'000	£'000
Output of firms in this trade			
Total value of sales (1948) or production (1937 and 1935)			
Principal products (see Table 8)	14,572	4,356	3,631
Other output (see Table 10)	757	337	128
Adjustment for changes in stocks and work in progress (see Table 14)	+ 410	..	..
	15,739	4,693	3,759
Less payment for transport by other firms	92		
Gross output (production)	15,647	4,693	3,759
Materials and fuel used by firms in this trade			
Purchases (see Table 13)	8,828	2,475	1,834
Adjustment for changes in stocks (see Table 14)	- 326		
Materials and fuel used	8,502	2,475	1,834

NOTE - The following are the particulars, excluded from the above Table, in respect of H.M. Prisons (1 establishment) for 1948:-

	£'000
Gross output (production)	11
Cost of materials and fuel used	9
Net output	2

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

Summary, 1948

Small firms in Great Britain

TABLE 2

Number of returns	238
Average number of persons employed (a)	
Males	864
Females	491
Total	1,355

(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)	14,319
Employing on average ten persons or less (b)	1,355
Estimated average employment in firms not making satisfactory returns	15,674
Estimated average employment in all firms	119
	15,793

(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	96	1,808	761	1,685	297	103	400	452
25-49	80	2,940	1,205	2,716	465	172	636	444
50-99	36	2,278	1,153	2,577	426	148	573	447
100-199	15	1,958	970	1,879	342	108	450	516
200-299	9	2,381	1,035	2,083	419	105	525	497
300-399	4	1,847	731	1,432	243	119	361	510
400 and over	4	2,434	1,225	1,947	410	101	511	629
Total	244	15,647	7,081	14,319	2,601	855	3,456	495

Analysis by standard region, 1948
Larger establishments in Great Britain

TABLE 5

Region	Establishments	Gross output	Net output		Persons employed	Remuneration		Total
			Value	Percentage of total		Wages	Salaries	
England	No.	£'000	£'000		No.	£'000	£'000	£'000
Northern	11	348	186	2.6	643	92	23	115
East and West Ridings of Yorkshire	16	618	237	3.3	576	102	28	131
North Midland	6	105	48	0.7	149	21	7	28
Eastern	20	2,100	1,040	14.7	1,867	325	98	422
London and South Eastern	66	4,114	1,920	27.1	3,406	724	243	967
Southern	20	1,596	729	10.3	1,423	246	73	319
South Western	11	790	398	5.6	714	123	82	205
Midland	32	3,290	1,454	20.5	2,793	519	152	670
North Western	48	2,281	864	12.2	2,223	367	110	476
Total England	230	15,242	6,877	97.1	13,794	2,518	816	3,334
Wales	6	169	73	1.0	209	31	15	47
Scotland	8	236	132	1.9	316	51	24	76
Great Britain	244	15,647	7,081	100.0	14,319	2,601	855	3,456

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	
Specialist producers of	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Dressed bristles, hair and fibres	17	1,230	1,199	364	743	162	48	210	490
Paint, paste, distemper, whitewash and similar brushes	46	5,302	4,006	2,258	4,135	804	249	1,053	546
Toilet brushes	31	2,399	1,906	1,331	2,090	407	140	547	637
Brooms and household brushes (a)	91	2,945	2,261	1,500	3,884	676	182	858	386
Remainder of the trade	59	3,771	1,631	3,467	552	236	788	470	470
Total	244	15,647	7,081	14,319	2,601	855	3,456	495	495

(a) Banister and hearth brushes, scrubbing and laundry brushes, shoe brushes, stove and round oil brushes, and lavatory brushes.

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
Bristles, hair and fibres, dressed	Th. lbs.	£'000	No.	Th. lbs.	£'000	Th. lbs.	£'000
For brushmaking							
Dressed bristles							
Pure	88.7	113	20	53.0	57	54.8	65
Mixed with hair	42.0(c) ..	30 13	9				
Prepared animal hair	904.6	533	21	..	(d)	..	(d)
Dressed fibres	Th. cwts. 66.9	667	19	Th. cwts. 64.9	197	Th. cwts. 55.2	153
Other bristles and fibres, dressed	10.7	34	6	29.9	31	13.6	17
Unclassified	3.7	53	8	-	-	-	-
Total bristles and fibres, dressed, and hair prepared for brushmaking		1,442	..		285		235
Brushes, brooms, etc.	Th. doz.			Th. doz.		Th. doz.	
Artists' brushes and brushes of fine hair	1,675	567 73	22	483	90	509	80
Paint, paste, distemper, whitewash and similar brushes							
Overall width of filling at mouth of ferrule or other binding							
Less than ½ inch	89	22	16	1,920	1,012(e)	1,505	775(e)
½ inch and over but not exceeding 3 inches	1,491	2,119	55				
Exceeding 3 inches	242	1,528	73				
Unclassified	473	767	15				
Brushes for use as part of a machine, other than those filled with wire (f)	217	511	72	94	77(g)	79	70(g)
Toilet brushes							
Tooth and dental plate brushes							
Filled with synthetic fibre	1,327	449	13	2,430	476	1,926	403
Other	774	303	19				
Shaving brushes	167	309	19	356	173	375	170

TABLE 8 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. doz.	£'000	No.	Th. doz.	£'000	Th. doz.	£'000
Brushes, brooms, etc. (contd.)							
Toilet brushes (contd.)							
Nail brushes							
Filled with vegetable fibre only	304	105	47	806	440	522	370
Filled with other materials	294	257	35				
Hair brushes	438	1,198	47				
Clothes brushes	88	147	45				
Other toilet brushes	211	147	43				
Brooms							
Machine stapled	551	771	75				
Other machine made	4	9	..				
Hand made	240	890	123				
Banister and hearth brushes							
Machine stapled	261	232	58				
Other machine made	1	1	..				
Hand made	187	391	124				
Scrubbing and laundry brushes	1,081	632	103				
Shoe brushes	231	144	60	4,226	1,531 (h)	4,639	1,435 (h)
Stove and round oil brushes	160	155	67				
Lavatory brushes	111	104	95				
All other types of brushes, except feather brushes and brushes filled with wire (f)							
Machine stapled	188	189	56				
Other machine made	447	262	45				
Hand made	146	298	99				
Feather brushes and mops (other than for artists)	509	436	23	407	160	487	162
Polishing buffs, bobs, etc. (i)	491	202	8	..	221	..	19
Waste products sold	..	10	25	..	(j)	..	(j)

TABLE 8 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. doz.	£'000	No.	Th. doz.	£'000	Th. doz.	£'000
Work done for the trade or on commission (k)							
Dressing of bristles, hair or fibre		16	5				
Other		60	21		3		4
Total		15,852	..		4,468		3,723
Less sales (or production) in other trades (see Table 9)		1,280	..		112		92
Total principal products of this trade sold or made by establishments in the trade		14,572	224		4,356		3,631

(a) Great Britain only.

(b) United Kingdom.

(c) Of this quantity, 38,100 lbs. included 16,400 lbs. of bristles.

(d) Not recorded separately. For the output in 1937 and 1935 of hair, cleaned or dressed, for all purposes, see the Hair, Fibre and Kindred Trades (Volume 7, Trade C).

(e) Recorded as:-

	1937		1935	
	Th. doz.	£'000	Th. doz.	£'000
Painters' and decorators' brushes				
Flat pinned varnish brushes	1,579	493	1,199	375
Machine compressed brushes	83	50	73	38
Other kinds	258	469	233	362

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

(g) May include some brushes filled with wire.

(h) Recorded as:-

	1937		1935	
	Th. doz.	£'000	Th. doz.	£'000
Household brooms and brushes				
Pan set	461	526	461	459
Hand drawn	88	64	87	66
Machine filled	3,069	664	2,985	635
Other methods of manufacture	272	165	849	186
Other brushes, not elsewhere specified (except wire brushes)	336	112	257	89

(i) So far as recorded separately.

(j) Not recorded separately.

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

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
Bristles, hair and fibres, dressed	Th. lbs.	£'000	No.	Th. lbs.	£'000	Th. lbs.	£'000
For brushmaking							
Dressed bristles							
Pure	-	-	-	8.6	3	5.0	2
Mixed with hair	0.1	-	..				
Prepared animal hair	287.0	169	6	-	-	-	-
Dressed fibres	Th. cwts.	-	..	Th. cwts.	0.1	Th. cwts.	0.1
Other and unclassified	11.2	31	..	29.6	24	13.5	13
Brushes, brooms, etc.	Th. doz.			Th. doz.		Th. doz.	
Artists' brushes and brushes of fine hair	846	253	..				
Paint, paste, distemper, whitewash and similar brushes, unclassified	2	3	..				
Brushes for use as part of a machine, other than those filled with wire	-	-	..				
Toilet Brushes							
Nail brushes filled with vegetable fibre only	1	-	..				
All other toilet brushes	534	450	..	30	16	46	13
Brooms, hand made	3	12	..				
Banister and hearth brushes, hand made	-	1	..				
Scrubbing and laundry brushes	3	2	..				
Shoe brushes and stove and round oil brushes	9	8	..				
	..	17					
All other types of brushes, except feather brushes and brushes filled with wire	28	27	..				

TABLE 9 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
Brushes, brooms, etc. (contd.)	Th. doz.	£'000	No.	Th. doz.	£'000	Th. doz.	£'000
Feather brushes and mops (other than for artists)	42	109	8	210	60	282	58
	..	44					
Polishing buffs, bobs, etc.	4	6	7	..	8	..	5
	..	144					
Work done for the trade or on commission, other than the dressing of bristles, hair or fibre		1(c)	..		-		-
Total		1,280	..		112		92

(a) Great Britain only.
(b) United Kingdom.
(c) Amount charged.

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

Larger establishments

TABLE 10

	1948 (a) Sales		1937 (b) Production	1935 (b) Production
	Quantity	Value	Value	Value
Wire brushes	Th. doz.	£'000	£'000	£'000
For use as parts of a machine	17	50	27	20
Other	132	181		
Parts of brushes and brooms, made of wood	..	44	36	44
Polishes	Th. cwts.	38.4	197	35
	..	10		
Other goods	..	226	77	29
Work done		4(c)	-	-
Total		757	337	128

(a) Great Britain only.
(b) United Kingdom.
(c) Amount charged.

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	121	0.8
Export sales organisations (including branches abroad)	47	0.3
Other wholesale or selling organisations	1,322	8.7
Retail shops, etc.	56	0.4
Total sales (or transfers) to other organisations under the same control	1,545	10.1
Sales to independent buyers		
Exports invoiced directly overseas	1,073	7.0
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad	416	2.7
His Majesty's Government and Local Authorities (other than productive establishments)	699	4.6
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	3,027	19.8
Wholesalers, merchants and other agents for resale	5,647 (a)	37.0
Retailers, including multiple shops, caterers and N.A.A.F.I., for resale	2,689	17.6
Other businesses (including farmers) and institutions of all kinds	129	0.8
Members of the public, including employees	25	0.2
Total sales to independent buyers	13,705	89.9
Total	15,250	100.0

(a) Of this total £3,838,000 was recorded as divided between £485,000 for export and £3,353,000 for other sales.

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

TABLE 12

	Production (b) (c)	Exports	Retained imports
	Th. doz.	Th. doz.	Th. doz.
Artists' brushes and brushes of fine hair	{ 1948 1,890 (d) 1937 483	212 29	12 61
Paint, paste, distemper, whitewash and similar brushes			
Overall width of filling at mouth of ferrule or other binding			
Less than ½ inch	1948 89	4	} 17
½ inch and over	1948 1,733	284	
Total paint, paste, distemper, whitewash and similar brushes	{ 1948 2,295 (e) 1937 1,920	288 207	17 465
Toilet brushes			
Tooth and dental plate brushes	{ 1948 2,101 1937 2,430	438 373	12 87
Shaving brushes	{ 1948 167 1937 356	39 40	1 14
Other toilet brushes	{ 1948 1,375 (d) 1937 806	189 83	35 627
Other brushes (except brushes for use as part of a machine and brushes filled with wire) and brooms			
Brooms and banister and hearth brushes	1948 1,244	46 (f)	} 96
Scrubbing and laundry brushes	1948 1,081	86	
Other sorts (including feather brushes and mops) (g)	1948 2,030 (d)	187	
Total other brushes and brooms (g)	{ 1948 4,355 1937 4,226 (h)	319 280	96 2,031

(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) Partly estimated.

(e) Including unclassified sales.

(f) Described as "Household sweeping brooms and hand sweeping brushes".

(g) The overseas trade figures include brushes filled with wire (except those for use as part of a machine).

(h) Excluding feather brushes and mops.

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
		£'000		£'000		£'000
Materials						
Parts of brushes and brooms, made of wood (e.g., boards, stocks and handles)	..	740				
Timber (excluding packing materials)	Th.cu.ft.		..	294	..	293
Hard	986	273				
Soft	..	17				
Bristles	Th.cwts.		Th.cwts.			
Dressed for brush making	13.2	1,590	16.1	706	..	716
Other	11.0	1,399	..	272		
Horsehair						
Raw	3.0	142				
Dressed	7.3	472	..	(c)	..	(c)
Animal hair (other than bristles and horsehair)	2.3	121				
	..	58				
Vegetable fibres						
Dressed for brush making	116.4	866	63.4	135(d)	..	192(d)
Other	67.9	363	..	80		
	..	47				
Synthetic fibres (e.g., nylon)	1.2	202	..	(c)	..	(c)
Plastic materials (including moulding powders, sheets, rods, etc.)	5.2	123	..	125	..	110
	..	15				
Plastic handles and blanks	..	130				
Packing materials	..	279	..	73	..	(c)
Steel wire	18.8	72	..	744	..	496(e)
All other purchased materials	..	1,795				

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.tons	£'000	Th.tons	£'000	Th.tons	£'000
Fuel and electricity						
Coal	8.5	28	7.7	10	5.9	8
Coke	3.0	13	..	(c)	2.3	4
Electricity purchased (f)	Th.B.T.U. (kW.hrs.)		Th.B.T.U. (kW.hrs.)		Th.B.T.U. (kW.hrs.)	
From public supply	7,365	43				
From other sources	1	-	3,236	14	3,246	15
			..	3		
Electricity obtained from other works under the same ownership	-	-				
Motor spirit (petrol) and derv. fuel	Th.galls.					
Used for road vehicles	126	14				
Used for other power purposes	33	2				
Other oil fuel (including creosote/pitch mixtures)	57	3				
	..	1				
Gas purchased	Th.therms		..	19	..	(c)
From public supply	348	16				
	..	2				
From other sources	-	-				
Gas obtained from other works under the same ownership	1	-				
All other purchased fuel	..	1				
Total		8,828		2,475		1,834

(a) Great Britain only.

(b) United Kingdom.

(c) Not recorded separately.

(d) So far as recorded separately.

(e) Including fuel not specified separately.

(f) The total quantity of electricity consumed in 1948 was 10,326,000 B.T. units including 2,960,000 generated in the same works.

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
		£'000		£'000
Finished products	..	572	..	923
Work in progress		480		538
Total finished products and work in progress		1,052		1,462
	Th. cwts.		Th. cwts.	
Materials and fuel				
Bristles dressed for brush making	6.0	611	7.3	846
	..	123	..	89
Other descriptions of materials and fuel	..	1,859	..	1,983
Total materials and fuel		2,594		2,920

Employment and remuneration (a)

Larger establishments

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	686	563	622	29	69	71	715	632	693
All ages	5,296	3,872	3,818	1,103	2,062	1,984	6,399	5,934	5,802
Females									
Under 18	1,315	1,882	1,562	134	118	94	1,449	2,000	1,656
All ages	7,037	5,574	5,136	810	524	479	7,847	6,098	5,615
Total									
Under 18	2,001	2,445	2,184	163	187	165	2,164	2,632	2,349
All ages	12,333	9,446	8,954	1,913(e)	2,586	2,463	14,246(e)	12,032	11,417
				(f)	(g)				
Total remuneration	£'000			£'000			£'000		
	2,601	..	..	855	..	..	3,456	..	..

(a) Excluded employees. The following numbers were employed at 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 2 males 119 females
Other workers 29 males 13 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, 73 working proprietors (66 males and 7 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 £101,000.

(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	24	
Maintenance and repair of firm's buildings, but not plant	27	
Research work not directly connected with current production however charged	28	

In addition to the employees in the above table the firms in this trade employed outworkers whose numbers (and remuneration in 1948) are set out below.

	Average number of outworkers employed			Total amount paid to outworkers
	Males	Females	Total	
				£'000
1948	12	906	918	57
1937	10	416	426	..
1935	10	413	423	..

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					
		Amount paid	Percentage of annual remuneration paid in				
			First quarter	Second quarter	Third quarter	Fourth quarter	Year
	£'000	£'000					
Wages and salaries of Operatives	2,601	1,335	25.5	25.3	23.8	25.4	100.0
Administrative, technical and clerical employees	855	395	24.4	24.4	24.3	26.8	100.0
Total	3,456	1,730	25.2	25.1	23.9	25.8	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 £65,000.

Payments for certain services, 1948

Larger establishments in Great Britain

TABLE 18

	Amount paid
	£'000
Repair and maintenance	
Of buildings	44
Of plant, machinery and vehicles	91
Unclassified	60
Hire of plant, machinery and vehicles	8
Advertising and market research	
Advertising in newspapers, magazines and periodicals	28
Other advertising services (poster display, despatch of circulars, etc.) and market research	5
Unclassified	174
Payments made for research work	
To research associations	2
To universities, institutions, academic bodies and similar agencies	-
To other commercial concerns	-
Postage, telephone, telegrams and cables	51
Commercial insurance premiums	72
Rates (excluding water rates) payable in the year	17

Plant, machinery and vehicles acquired and disposed of, 1948

Larger establishments in Great Britain

TABLE 19

	Acquisitions		Disposals
	New	Second-hand	
	£'000	£'000	£'000
Plant and machinery	290	22	17
Vehicles	26	19	11
Total	315	42	27

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

Larger establishments in Great Britain

TABLE 20

	£'000	£'000
1. Capital expenditure on building work (a)		93
2. Existing buildings and land (b)		
(1) Capital cost of freeholds bought	42	
Estimated capital value of		
(ii) Rented property newly occupied in the year (c)	3	
(iii) Leasehold buildings and land newly occupied in the year	151	
Total of heading 2		196
Total of headings 1 and 2		289
3. Existing buildings and land relinquished (d)		15
4. Headings 1 and 2 less heading 3		274

(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.

OTHER MANUFACTURING INDUSTRIES COUNTRY TABLES
BRUSHES AND BROOMS TRADE

1948

Summary

Larger establishments

TABLE 21

	England	Wales	Scotland	Great Britain
Gross output (production)	£'000 15,242	£'000 169	£'000 236	£'000 15,647
Cost of materials and fuel used	8,300	97	105	8,502
Payment for work done on materials given out	65	-	-	65
Net output	6,877	73	132	7,081
Wages and salaries of persons employed	£ 3,334	£ 47	£ 76	£ 3,456
Average number of persons employed (a)	No. 13,794	No. 209	No. 316	No. 14,319
Net output per person employed (a)	£ 499	£ 348	£ 417	£ 495
Stocks at end of year	£'000	£'000	£'000	£'000
Finished products and work in progress	1,421	8	33	1,462
Materials and fuel	£ 2,805	£ 25	£ 90	£ 2,920
Number of establishments	No. 230	No. 6	No. 8	No. 244

(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)	14,938	172	220	15,329
Adjustment for changes in stocks and work in progress	+ 393	- 1	+ 17	+ 410
	15,331	171	237	15,739
Less payment for transport by other firms	90	1	1	92
Gross output (production)	15,242	169	236	15,647
Materials and fuel used by firms in this trade				
Purchases (see Table 24)	8,602	99	127	8,828
Adjustment for changes in stocks	- 301	- 3	- 22	- 326
Materials and fuel used	8,300	97	105	8,502

Summary
Small firms

TABLE 22

	England	Wales	Scotland	Great Britain
Number of returns	226	2	10	238
Average number of persons employed (a)				
Males	812	6	46	864
Females	463	12	18	491
Total	1,275	18	62	1,355

(a) Including working proprietors.
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BRUSHES AND BROOMS COUNTRY TABLES

Sales in the trade

Larger establishments

TABLE 23

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
Principal products	Th.lbs.	£'000	Th.lbs.	£'000	Th.lbs.	£'000
Bristles, hair and fibres, dressed						
For brushmaking						
Dressed bristles						
Pure	88.7	113	-	-	88.7	113
Mixed with hair	41.9	30	-	-	41.9	30
	..	13			..	13
Prepared animal hair	637.6	363	-	-	637.6	363
	Th.cwts.				Th.cwts.	
Dressed fibres	66.8	666	-	-	66.8	666
Other and unclassified	3.3	56	-	-	3.3	56
Total bristles and fibres, dressed, and hair prepared for brushmaking		1,241		-		1,241
Brushes, brooms, etc.	Th.doz.		Th.doz.		Th.doz.	
Artists' brushes and brushes of fine hair	829	313	-	-	829	313
	..	73			..	73
Paint, paste, distemper, whitewash and similar brushes						
Overall width of filling at mouth of ferrule or other binding						
Less than ½ inch	89	22	-	-	89	22
½ inch and over but not exceeding 3 inches	1,726	3,620	8	27	1,491	2,119
Exceeding 3 inches					242	1,528
Unclassified	454	718	16	45	471	764
Brushes for use as part of a machine, other than those filled with wire	215	502	2	9	217	511

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. doz.	£'000	Th. doz.	£'000	Th. doz.	£'000
Principal products (contd.)						
Brushes, brooms, etc. (contd.)						
Toilet brushes						
Nail brushes filled with vegetable fibre only	300	103	3	2	304	105
..	..	13	..	..	..	13
All other toilet brushes	2,763	2,356	1	3	2,764	2,359
Brooms						
Machine stapled	546	760	9	20	551	771
Other machine made	..	..	..	..	4	9
Hand-made	224	836	12	42	237	878
Banister and hearth brushes						
Machine stapled	260	230	2	4	261	232
Other machine made	..	..	..	..	1	1
Hand made	182	378	5	12	187	390
Scrubbing and laundry brushes	1,053	602	25	28	1,078	630
Shoe brushes and stove and round oil brushes	376	283	7	7	383	290
..	..	15	..	..	..	15
Lavatory brushes	109	102	1	2	111	104
All other types of brushes, except feather brushes and brushes filled with wire						
Machine stapled	185	185	3	4	188	189
Other machine made and hand-made	556	517	9	16	565	533
..	..	40	..	..	..	40
Feather brushes and mops (other than for artists)	467	328	-	-	467	328
..	..	55	..	..	..	55
Polishing buffs, bobs, etc. (a)	487	196	-	-	487	196
..	..	777	..	..	..	777
Waste products sold	..	10	-	-	..	10

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. doz.	£'000	Th. doz.	£'000	Th. doz.	£'000
Principal products (contd.)						
Work done for the trade or on commission (b)						
Dressing of bristles, hair or fibre		16	-	-		16
Other		59	-	-		59
Total principal products		14,352		220		14,572
Other output	Th. doz.				Th. doz.	
Wire brushes						
For use as part of a machine	17	50	-	-	17	50
Other	132	181	-	-	132	181
Parts of brushes and brooms, made of wood	..	44	-	-	..	44
Polishes	Th. cwts. 38.4	242	-	-	Th. cwts. 38.4	242
..	..	10	..	..	..	10
Other goods	..	226	-	-	..	226
Work done (b)		4	-	-		4
Total		15,109		220		15,329

(a) So far as recorded separately.

(b) Amount charged.

Purchased materials and fuel

Larger establishments

TABLE 24

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
		£'000		£'000		£'000
Materials						
Parts of brushes and brooms, made of wood (e.g., boards, stocks and handles)	..	712	..	28	..	740
Timber (excluding packing materials)	Th. cu. ft.		Th. cu. ft.		Th. cu. ft.	
Hard	979	270	7	3	986	273
Soft	..	17	-	-	..	17
Bristles	Th. cwts.		Th. cwts.		Th. cwts.	
Dressed for brushmaking	12.9	1,554	0.3	36	13.2	1,590
Other	11.0	1,399	-	-	11.0	1,399
Horsehair						
Raw	3.0	142	-	-	3.0	142
Dressed	7.0	455	0.2	17	7.3	472
Animal hair (other than bristles and horsehair)	{ 2.3 ..	{ 121 58	{ - -	{ - -	{ 2.3 ..	{ 121 58
Vegetable fibres						
Dressed for brushmaking	114.2	840	2.2	27	116.4	866
Other	{ 67.9 ..	{ 363 47	{ - -	{ - -	{ 67.9 ..	{ 363 47
Synthetic fibres (e.g., nylon)	1.2	201	-	1	1.2	202
Plastic materials (including moulding powders, sheets, rods, etc.)	{ 5.2 ..	{ 123 15	{ - -	{ - -	{ 5.2 ..	{ 123 15
Plastic handles and blanks	..	129	..	1	..	130
Packing materials	..	276	..	3	..	279
Steel wire	18.5	72	0.2	-	18.8	72
All other purchased materials	..	1,788	..	8	..	1,795
Fuel and electricity	Th. tons		Th. tons		Th. tons	
Coal	8.3	27	0.1	-	8.5	28
Coke	3.0	13	-	-	3.0	13

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. B. T. U. (kW. hrs.)	£'000	Th. B. T. U. (kW. hrs.)	£'000	Th. B. T. U. (kW. hrs.)	£'000
Fuel and Electricity (contd.)						
Electricity purchased (a)						
From public supply	7,238	42	127	1	7,365	43
From other sources	1	-	-	-	1	-
Electricity obtained from other works under the same ownership	-	-	-	-	-	-
Motor spirit (petrol) and derv. fuel	Th. galls.		Th. galls.		Th. galls.	
Used for road vehicles	125	14	1	-	126	14
Used for other power purposes	33	2	-	-	33	2
Other oil fuel (including creosote/pitch mixtures)	{ 57 ..	{ 3 1	{ - -	{ - -	{ 57 ..	{ 3 1
Gas purchased	Th. therms		Th. therms		Th. therms	
From public supply	{ 340 ..	{ 16 2	{ 8 -	{ - -	{ 348 ..	{ 16 2
From other sources	-	-	-	-	-	-
Gas obtained from other works under the same ownership	1	-	-	-	1	-
All other purchased fuel	..	1	-	-	..	1
Total		8,701		127		8,828

(a) The total quantity of electricity consumed in England and Wales was 10,198,000 B.T. units including 2,960,000 generated in the same works. The total quantity of electricity consumed in Scotland was 127,000 B.T. units, no electricity generated in the same works was recorded.

Employment and Remuneration: Larger establishments

TABLE 25

	England and Wales			Scotland			Great Britain		
	Average number of operatives	Administrative, technical and clerical employees (a)	Total	Average number of operatives	Administrative, technical and clerical employees (a)	Total	Average number of operatives	Administrative, technical and clerical employees (a)	Total
Males									
Under 18	668	27	695	18	2	20	686	29	715
All ages	5,142	1,078	6,220	154	25	179	5,296	1,103	6,399
Females									
Under 18	1,285	128	1,413	30	6	36	1,315	134	1,449
All ages	6,925	788	7,713	112	22	134	7,037	810	7,847
Total									
Under 18	1,953	155	2,108	48	8	56	2,001	163	2,164
All ages	12,067	1,868(b)	13,935 (b) (c)	266	47(b)	313 (b) (c)	12,333	1,913(b)	14,246 (b) (c)
Total remuneration	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
	2,550	831	3,380	51	24	76	2,601	855	3,456

(a) Number at September 25, 1948.

(b) There were, in addition, 73 working proprietors (66 males and 7 females) in Great Britain; 64 males and 6 females in England and Wales, and 2 males and 1 female in Scotland.

(c) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to a total of £101,000; £98,000 for England and Wales, and £2,000 for Scotland.

In addition to the employees in the above table the firms in Great Britain in this trade employed 12 male and 906 female outworkers in 1948, the amount paid to them being £57,000. Of the total outworkers a very small number were employed in Scotland.

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	107.4	109.4	107.5	August	94.7	99.0	94.9
February	108.4	107.6	108.3	September	95.2	96.2	95.2
March	106.3	108.8	106.4	October	94.8	92.8	94.7
April	104.9	104.8	104.9	November	94.0	86.5	93.8
May	102.9	104.2	103.0	December	91.9	86.5	91.7
June	100.8	103.1	100.8	Percentage employment in this trade covered by the index	50.2	65.7	50.6
July	98.7	101.3	98.8				

(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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