

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).

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1952

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 19:35.

11/C/24

## Summary

## Larger establishments

TABLE   Larger establishments									
	1948 (a)	1937(b)	1935(b)						
	£'000	£'000	000 13						
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  Average number of persons employed (c)	3,456 No. 14,319(d)	No. 12,032	No. 11, 417						
Net output per person employed (c) Stocks at end of year	495 £'000	184 £'000	168 £'000						
Finished products and work in progress	1, 462		••						
Materials and fuel  Number of establishments	2,920 No.	No.	No.						
Mainet of epoquitymiency	244	••	169						

Great Britain only. United Kingdom. Excluding outworkers.

(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
	£1000	£1000	£1000
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	••	•
Less payment for transport by other firms	15,739 92	4,693	<b>3,</b> 759
Gross output (production)	15,647	4, 693	3,759
Materials and fuel used by firms in this trade			
Purchases (see Table 13)  Adjustment for changes in stocks (see Table 14)	8,828 - 326	2,475	1,834
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:-

Gross output (production) Cost of materials and fuel used

11 9

2'000

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

## BRUSHES AND BROOMS Summary, 1948

### Small firms in Great Britain

#### TABLE 2

	25050
Number of returns	238
Average number of persons employed (a)	00013
Males	864
Females	491
. Total	1, 355

(a) Including working proprietors.

## Estimated average employment, 1948 All firms in Great Britain

### TABLE 3

The second secon	
As returned by firms	3 3 3 3 3
Employing on average more than ten persons (a)	14,319
Employing on average ten persons or less (b)	1, 355
The state of the s	15, 674
Estimated average employment in firms not making satisfactory returns	119
Estimated average employment in all firms	15, 793

(a) See Tables 1 and 15.

(b) See Table 2.

## Analysis by size, 1948 Larger establishments in Great Britain

#### TABLE 4

Average	Establish Gross Net Person		Persons	R	Net output			
number employed	ments	output	output	output employed		Salaries	Total	per person employed
11→24	No. 96	£'000 1,808	£'000 761	No. 1, 685	£1000 297	£1000 103	£1000 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

TABLE 5									
	Establish-	Gross	Net o	utput	Persons	Rem	uneration		
Region	ments	output	Value	Percent- age of total	employed	Wages	Salaries	Total	lea:
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		8481 2	genye far		be tamit as				
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													
	Establish-	Gross	Sales of	Net	Persons		Remuneration	on	Net output				
	ments	output	charac- teristic products	output	employed	Wages	Salaries	Total	per person employed				
Specialist	No.	ล! 000	£! 000	£1000	No.	2'000	£1000	£'000	63				
producers of								9856	evă San				
Dressed bristles, hair and fibres	17	1,230	1,199	364	743	162	48	210	490				
Paint, paste, distemper,	930/9	00012	1	100		10/2							
whitewash and similar brushes	46	5,302	4,006	2,256	4,135	804	249	1,053	546				
Toilet brushes	31	2,399	1,906	1,331	2,090	407	140	547	637				
Brooms and house- hold brushes (a)	91	2,945	2,261	1,500	3,884	676	182	858	386				
Remainder of the trad	e 59	3,771	1000	1,631	3,467	552	236	788	470				
Total	244	15,647		7,081	14,319	2,601	855	3,456	495				

<sup>(</sup>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

TAI	BLE 8	de de de		25.12				
		1948 (a) Sales			1937 Produc	(b) tion	1935 Produc	
		Quantity	Value	Entries	Quantity	Value	Quantity	Value
	stles, hair and fibres,	Th. lbs.	£!000	No.	Th. lbs.	£'000	Th. lbs.	£1000
I	For brushmaking			53	Res a	material	tedda ddiw 1	PLAIR
	Dressed bristles	V.					59180	0 7558
	Pure	88.7	113	20			SSALUTO	Size 10
	Mixed with hair	42.0(c)	30 13	9	53.0	57	54.8	65
	Prepared animal hair	904.6	533	21	(The auto	(d)	Mb auto	(d)
	Dressed fibres	Th. cwts. 66.9	667	19	Th. cwts. 64.9	197	Th. cwts. 55.2	153
C	ther bristles and fibres, dressed	10.7	.34	6	29.9	31	13.6	17
Ü	nclassified	3.7	53	8	eso -	- dangu (d	PETRODE	EBUS 12850
	Total bristles and fibres, dressed, and hair prepared for brushmaking		1,442		E CONTRACTOR OF THE CONTRACTOR	285	bem saidase	235
Bru	shes, brooms, etc.	Th. doz.			Th. doz.	Alexandra and	Th. doz.	
	rtists' brushes and brushes {	1,675	567 73	} 22	483	90	509	80
P	aint, paste, distemper, whitewash and similar brushes	and shrunes 87		Parting 7	otion of	dellaurd	ilo bauon b	E ovose
	Overall width of filling at mouth of ferrule or other binding	38.			111	Reneuri	solienīra 10 asgra 71	LEVATOR
	Less than ½ inch	89	22	16			lim pelli	Sensing and a decision of the sense of the s
	inch and over but not exceeding 3 inches	1, 491	2, 119	55	1,920	1,012(e)	1,505	775(e)
	Exceeding 3 inches	242	1,528	73	1		right direction	1 Table
	Unclassified	473	767	15	Ja Time		Pade Shape	a bast
	Brushes for use as part of a machine, other than those filled with wire (f)	217	511	72	94	77 (g)		70 <b>(g)</b>
	Toilet brushes			ienz.	100	,3,5 421 (A)		PICSTITO?
	Tooth and dental plate brushes	. 88					bios stau	CONT. ETEM
	Filled with synthetic	1 700	440	13	,			34-11
	fibre Other	1, 327 774	303	19	2,430	476	1,926	403
	Shaving brushes	167	309	19	356	173	375	170
	onaving orusites	107	909	19	300	1/0	0,0	
Do	927011	The state of	HEE	212 JUNE				

TABLE 8 (contd.)

	orner trac	1948 (a) Sales	alo athania	1937 (1 Product	ion	1935 (b) Production		
	Quantity	Value	Entries	Quantity	Value	Quantity	Value	
	Th. doz.	£1000	No.	Th. doz.	£'000	Th. doz.	£1000	
Brushes, brooms, etc. (contd.)		×						
Toilet brushes (contd.) Nail brushes	TIEND EN	:0h2		2549	- 97	100 3	700	
Filled with vegetable fibre only	304	105 13	} 47		Larren	n bas liba	avijer	
Filled with other materials	294	257	35	806	. 440	522	370	
Hair brushes	438	1, 198	47					
Clothes brushes	88	147	45			Charles and Wa		
Other toilet brushes	211	147	43					
Brooms		1 51	217	7		ted ditw be	EIM	
Machine stapled	551	771	75	138	alzi	Leates 500	E CONTRACTOR	
Other machine made	4	9		200	-	eardin be	DESER	
Hand made	240	890	123		deren.	un abisein	a some	
Banister and hearth brushes							1416031	
Machine stapled	261	232	58			Des 11		
Other machine made	1	1			SANGAT B	ed and be	184	
Hand made	187	391	124			we will also		
Scrubbing and laundry brushes	1,081	632	103			215 GHIOLDE	7.8	
Shoe brushes	231	144 32	} 60	4,226	1,531 (h	4,639	1, 435	
Stove and round oil brushes	160	155	67		Mark Start	his bus de	veride	
Lavatory brushes	111	104	95		entrict	to mable 1.	Оусты	
All other types of brushes, except feather brushes and brushes filled with wire (f)		1			15 35 35 35 35 35 35 35 35 35 35 35 35 35	autonic ;		
Machine stapled	188	189	56		pon im	wg ogo Hor		
Other machine made	447	262 40	45		bes	eding 3 lice	Sec.	
Hand made	146	298	99	1		palifeas.	Choling	
Feather brushes and mops (other than for artists)	509	436 99	23	407	160	487	162	
Polishing buffs, bobs, etc. (i)	491	202 921	8 11	1	221	sensure.	19	
Waste products sold		10	25	••	(1)	a neb bne den s	(1	
		ar Tes		88.1	o to enamy	Lisc Neith s	1	
	(28.5 ×	A FO	3 A	A Vertication		Territoria de de	11	
	438	02 00	3			anti brush s	Ship	
	A STATE OF THE STATE OF							

TABLE 8 (contd.)

18-2-							
		1948 (a) Sales			(b)	1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
ar (b) 1935 (b)	91 TO Same	£1000	No.		£1000		\$1000
Work done for the trade or on	cies Cuanti	7.02   50	EST TO	ARBUG			1
commission (k)	on The Ar	80	010	et 'na	essent se	reli bar di	enterier h
Dressing of bristles, hair or fibre		16	5		3	antide	atsuiv 404
Other		60	21	]	0	baljalrd	Assault 1
Total		15,852	••		4,468		3,723
Less sales (or production)						isi isiba	
in other trades (see Table 9)	Th. ow	1,280		- EU	112		92
Total principal products of	8.03		5	S-22		S/11Seglone	has mente
this trade sold or made by establishments in the trade	ob sile suct	14, 572	224	CO AND DATE	4, 356	.oza .amo	3,631

(a) Great Britain only.

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: -

	193	7	193	55
Painters' and decorators' brushes	Th. \do z.	£1000	Th. doz.	£'000
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).

May include some brushes filled with wire.

n) Recorded as: -

		1937		1935
Household brooms and brushes	Th. doz.	£1000	Th. doz.	£'000
moustified brooms and brushes				
Pan set	461	526	461	4,59
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

So far as recorded separately. Not recorded separately.

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

DS 2372/1

TABLE 9							
	L 5 ER 10+	1948 (a) Sales	2613	1937 ( Product		1935 ( Product	
Philip with marriages	Quantity	Value	Entries	Quantity	Value	Quantity	Value
Bristles, hair and fibres, dressed	Th. lbs.	£1000	No.	Th. lbs.	£1000	Th. lbs.	£1000
For brushmaking  Dressed bristles	17	2 1- 237 DI	45				or ito
Pure	-	_	_	1			
Mixed with hair	0.1	-	• 75	8.6	3	5.0	2
Prepared animal hair Dressed fibres	267.0 Th. cwts.	169	1 6	Th. cwts.	001 - 100 008)	- Th. cwts. 0.1	88 <b>-</b> 1 80 st. 9108 <b>1</b>
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	FB . \$4   7.7	1		_ 33 NBAN2 1 .	
Paint, paste, distemper, whitewash and similar brushes, unclassified		3	16,400.11	s includ		, mobgall wallinekp	
Brushes for use as part of a machine, other than those filled with wire	Trade 6	amulov) d	okenî benî	ore and K		18, 29e the	
Toilet Brushes	013						
Nail brushes filled with vegetable fibre only	1	97800		891201		et and deco	
All other toilet brushes	534	450		> 30	16	46	13
Brooms, hand made	3	12	ew one end	d sid sen s	riw sisiw	belili sork	
Banister and hearth brushes, hand made	-	1	.911	iled with	in asher	d emos ebur '-tas j	
Scrubbing and laundry brushes	3	2		207		497	
Shoe brushes and stove and round oil brushes	9	17	}	a a	oneind bi	e smoote bi	
All other types of brushes, except feather brushes and brushes filled with wire	28	27	••	) sur		travat iravat se filled sethods of	Pan s Hand Madhi Other
99 75S. S	4	336	b	re specifi	t elsewh shes). seperate stely.	brusbes, no pt wird br is recepted inded sepan	
		REC LIES VE	of ut pead	amount rece	DES BARR	tharged in	

TABLE 9 (contd.)

TABLE 12 nis	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
Brushes, brooms, etc. (conta.)	Th. doz.	£1000	No.	Th. doz.	£1000	Th. doz.	£1000
Feather brushes and mops (other { than for artists)	42	109 44	} 8	210	60	28 2	58
Polishing buffs, bobs, etc.	4	6 144	} 7		8	narrow syld	5 /
Work done for the trade or on commission, other than the dressing of bristles, hair or fibre		1(c)	s-asabaerd as an	(including organicati.	omoleski onifisa -	wholesale o	rent 0
Total	eda	1,280	Je••E010	tedio of (s	112	to) selse f	92

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

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

## Larger establishments and a send has desembled a labeled as

TABLE 10

ed part of d machine and organic	1948 (a) Sales		1937 (b) Production	1935 (b) Production
Brocks and basicter and searth	Quantity	Value	Value	Value
Sorubling and lauddry brushes	Th. doz.	£¹ 000	£'000	£1000
Wire brushes	all_Kinds		and hose (premist and the	out) the securated method
For use as parts of a machine	17	50	27	oliday and to eredment
Other	132	181	arogud anadna	Tobal cales to indep
Parts of brushes and brooms, made of wood	1	44	36	44
Polishes	Th. cwts. 38.4	242 10	197	35
Other goods	rer sale it i	226	77	29
Work done		4(c)	Inem to oknow trades,	
Total	oing khoome am	757	337	128

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

DS 2372/1

## Analysis of sales, 1948

## Larger establishments in Great Britain

#### TABLE II

AUTOL ANTENNA CONTRACTOR ANTENNA PARTICIPA CONTRACTOR ANTENNA CONTRACT		
Th. dos. 1000 No. 12 dos. 17 dos. 1700 No. 1700	Sales	Percentage of total sales
	£1000	Edward Maria
Sales (or transfers) to other organisations under the same control	2 000	- 1250
bales (of bransfers) to other organisations under the same control	1029 (0000 4	ilud galfallo9
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	• SERIO III.	enist design (6)
Exports invoiced directly overseas	1,073	7.0
Exports invoiced to Crown Agents and purchasing houses in this	to) seing (or	2022
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		A. 21012
transport and other productive undertakings	3,027	19.8
oranspore and other productive and other squares	0,021	10.0
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

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

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

-		-		-	
	Λ	к		-	1
	м	0	-		

IADLL 12				
(6) 2891 (6) 7891	A STATE OF THE STA	Production (b)(c)	Exports	Retained imports
Vaget of continue to startage	1207 565	Th. do Z.	Th. doz.	Th. doz.
Artists' brushes and brushes of fine hair	1948 1937	1,890 (d) 483	21 2 29	12 61
Paint, paste, distemper, whitewash and similar brushes	00012			The second
Overall width of filling at mouth of ferrule or other binding			new vencono dale as	ESTER DE SARS
Less than ½ inch	1948	89	4	17
½ inch and over	1948	1,733	284	Juliani Amerika
Total paint, paste, distemper, whitewash and similar brushes	∫1948 {1937	2,295(e) 1,920	288 207	17 465
Toilet brushes				
Tooth and dental plate brushes	1948 1937	2, 101 2, 430	438 <b>3</b> 73	12 87
Shaving brushes	[1948 [1937	<b>1</b> 67 <b>3</b> 56	39 40	1 14
Other toilet brushes	{1948 1937	1,375 (d) 806	189 83	<b>3</b> 5 627
Other brushes (except brushes for use as part of a machine and brushes filled with wire) and brooms		Size Till sees	maldeling owner than	or Arest Lansack
Brooms and banister and hearth brushes	1948	1,244	46(f)	la de la companya de
Scrubbing and laundry brushes	1948	1,081	86	96
Other sorts (including feather brushes and mops) (g)	1948	2,030 (d)	187	
Total other brushes and brooms (g)	{1948 {1937	4,355 4,226(h)	319 280	96 2,031
	THE RESERVE THE PARTY OF THE PA	Control of	The same was a second of the same of the s	

<sup>(</sup>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 oversea 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

	1948	3 (a)	1937	(b)	1935	(b)
	Materials purcha		Usage	of purcha and f	ased materials fuel	
	Quant1ty	Cost	Quantity	Cost	Quantity	Co
		£1000	Heave	£1000	paste, dista	£10
Materials					to dathy to	orevo.
Parts of brushes and brooms, made of wood (e.g., boards, stocks and		740		- Sulpated	essio to ele	287
handles)	Th.cu.ft.	1		And the second s	rous bus has	
Timber (excluding packing materials)	986	273	} ••	294	inter take	29
Hard	The Base	TORY .		rastmia i	ta deswoodshi	
Soft	Min auto	17	The custon	and the state of t	nen zuma	dett
Bristles	Th.cwts.	100 T	Th.cwts.	and anary	Taxont die	Front
Dressed for brush making	13.2	1,590	16.1	70 6 272	}	71
Other	11.0	1,399	,	2/2	Statistical St	VALIC
Horsehair		SUCE P			ted relication	10/1/30
Raw	3.0	142	Y			1
Dressed	7.3	472		(c)	cael cadas	(0
Animal hair (other than bristles and horsehair)	2.3	121 58		en one te	rio bas (em	10038
Vegetable fibres	Tacal	3387		actor webs	al bas and	10138
Dressed for brush making	116.4	866	63.4	135 (d		1
Other	67.9	363 47	}	80	]} ••	
Synthetic fibres (e.g., nylon)	1.2	202	(%) caposas	(c)	trento fem	(
Plastic materials (including moulding powders, sheets, rods, etc.)	5.2	123 15		125	La le sema	1
Plastic handles and blanks	og i ins cont	130	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	erenti ser	abyola peth	
Packing materials	••	279	e sa tol.solt	73	e saution se	(
Steel wire	18.8	72		744	Tentage vir	4
All other purchased materials		1,795	3	Dellies	low author	

## TABLE 13 (contd.)

ruste 15 . SVG1 . Loud bos	1948(a)	coffs bi	1937 (1	o) 6 4 9	1935	(b)
	Materials an purchase		Usage		ased materials fuel	
The second secon	Quantity	Cost	Quantity	Cost	Quantity	Cost
See to the second secon	Th. tons	£1.000	Th. tcns	£1000	Th.tons	2,000
Fuel and electricity	ys toneco y					
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.)	at same
From public supply	7,365	43	it good one		Section 5	
From other sources	1	-	3, 236	14	3,246	15
Electricity obtained from other works under the same ownership	tn, owta	-		3	,	; ;
Motor spirit (petrol) and derv. fuel	Th. galls.				LIBER AND	of the same
Used for road vehicles	126	14	antsia	t degra t	ol desseadre	aliated.
Used for other power purposes	33	2		1		
Other oil fuel (including creosote/ pitch mixtures)	57	3	CI DEM 318	MARIE TO		r) samue
Gas purchased	Th. therms		•••	19	CLEITOTON LI	(c)
From public supply {	348	16 2				
From other sources	_					
Gas obtained from other works under the same ownership	1	_		* 1,22		
All other purchased fuel	••	1				
Total	ng Lanja na	8, 828	otic a lucional a	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	and the second			
and a second contract of the second contract	At beginning	g of year	At end of	year
	Quantity	Value	Quantity	Value
	648	£1000		£1000
Finished products	045 ••	572	••	923
Work in progress		480	(A) chandragus v	538
Total finished products and work in progress	202.5	1,052	gique sis	1,462
	Th. cwts.	енти теазо	Th.cwts.	olotoppell elle telenu
Materials and fuel		Tetri arres	one (forwed) di	
Bristles dressed for brush making	6.0	611 123	7.3	846 89
Other descriptions of materials and fuel	••	1,859	enterdada for	1,983
Total materials and fuel	recent of	2,594	lestus thes	2,920

## Employment and remuneration (a)

### Larger establishments

TABLE 15	TABLE 15									
Average number of operatives				Adminis and cleri	trative, cal emplo	technical yees (b)		Total		
Banes	1948 (c)	1937 (d)	1935 (d)	1948 (c)	1937 (d)	1935 (d)	1948 (c)	1937 (d)	1935 (d)	
Males Under 18 All ages Females Under 18 All ages	686 5,296 1,315 7,037	563 3,872 1,882 5,574	622 3,818 1,562 5,136	29 1, 103	69 2,062 118 524	71 1,984 94 479	715 6,399 1,449 7,847	632 5,934 2,000 6,098	693 5,802 1,656 5,615	
Total Under 18 All ages	2,001 12,333	2, 445 9, 446	2, 184 8, 954	163 1,913(e)	187 2,586	165 2,463	2, 164 14, 246(e) (f) (g)	2, 632	2, 349 11, 417	
Total remuneration	£'000 2,601	ravi s mi	albiglion ei	£1000 855	contract	and the second	£'000 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):-

119 females 13 females Canteen workers 2 males Other workers 29 males

Number at September 25, 1948, October 16, 1937, and October 12, 1935. Great Britain only.

United Kingdom.

(d) Officed 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
ransport of goods outside the premises aintenance and repair of firm's buildings,	24	
Dut not plant  Sesearch work not directly connected with	27	aire of plant, machinery and
current production however charged	26	advertishe and earket rese

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.

la constant de la con	Avo. age mu	miner of outwor	kers employed	Total amount	
eno 2 tem pendina s	Males	Females Total		paid to outworkers	
1948 1937 1935	12 10 10	906 416 413	918 426 423	£1000 57	

## Wages and salaries paid, 1948 (a) Larger establishments in Great Britain

TABLE 16

TADLE TO	TABLE 10							
	Amount	Establishments making returns for the calendar year						
	paid by all	Amount	Perc	entage of ar	nual remun	eration paid	in	
(p) ,9861 (c) kael (p) alsi	establish- ments		First quarter	Second quarter	Third quarter	Fourth quarter	Year	
	£1000	£1000						
Wages and salaries of	100 to 10	200.5		8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			SHE TIV	
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

al rest the sale to all test that the sale schemes payable ruration to all the year la	Amount paid
establication of the state of t	£'000
Repair and maintenance	
Of buildings Of plant, machinery and vehicles Unclassified	44 91 60
Hire of plant, machinery and vehicles	nase and mark not do
Advertising and market research	Woldeshold quality
Advertising in newspapers, magazines and periodicals other advertising services (poster display, despatch of circulars, etc.) and market research Unclassified	28 1014 5 1014 5 1014 1114 1114 1114 1114 1
Payments made for research work	
To research associations To universities, institutions, academic bodies and similar agencies To other commercial concerns	2 -
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

	FEET FINE	BRAUSIES				
	1 000	A CONTRACTOR OF THE PROPERTY O				
00013	100.12	Acquisi				
988	981 · 6		100000000000000000000000000000000000000			
200(8328 aos	73	New	Second-hand	Disposals		
Safe sub_fthres	-	£'000	£'000	\$1000		
Plant and machinery	87-	290	22	17		
Vehicles	Sp.	26	19 boyo Ida	egosasgiic sala		
Total	ijos	315	42	27		
	Vehicles	Vehicles	New £'000  Plant and machinery 290  Vehicles 26	\$\frac{1000}{\pi^000}\$  Plant and machinery  290  22  Vehicles  26  19		

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

Larger establishments in Great Britain

TABLE 20

	England Wales . Goothanded breattain	£1000	£'000
1.	Capital expenditure on building work (a)		93
2.	Existing buildings and land (b)		
	(i) Capital cost of freeholds bought	42	
	Estimated capital value of		
	(11) Rented property newly occupied in the year (c)	reduce of stogenside	tet anomia rael
	(iii) Leasehold buildings and land newly occupied in the year	151	Gross offcost (
	Total of heading 2	used by Tilms in the	196
- 19	Total of headings 1 and 2		289
3.	Existing buildings and land relinquished (d)	fuel used	tynn 15 tradek
4.	Headings 1 and 2 less heading 3		274

Excluding site value which, where appropriate, is included in heading 2(1).

The figures do not reflect changes in ownership of previously occupied land and buildings. Property which is occupied under an agreement for the payment of rent without the purchase of a lease or the payment of a premium.

(d) Including property destroyed or abandoned.

1948 Summary

Larger establishments

TABLE 21

	England	Wales	Scotland	Great Britain
Gross output (production)	£'000 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 No.	47 No.	76 No.	3,456 No.
Average number of persons employed (a)	13,794	209	316	14,319
Net output per person employed (a)	499 £'000	348 £'000	417 &'000	495 £1000
Stocks at end of year				
Finished products and work in progress	1,421	8	33	1,462
Materials and fuel	2,805 No.	25 No.	90 No.	2,920 No.
Number of establishments	230	11111116	8	244

(a) Excluding outworkers.

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

ACCES	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	enough a constitue	+ 17	+ 410
	15,331	171	237	15,739
Less payment for transport by other firms	asia 90 at 6	lapono 1; lwsr	nted floorerty	92
Gross output (production)	15,242	169	236	15,647
Materials and fuel used by firms in this trade			onthand to is	ST
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	1 05	8,502

Summary Small firms

TABLE 22

TABLE 22				
The second of th	England	Wales	Scotland	Great Britain
Number of returns damage and appetite Japan to Japanes	226	2 9000	beigeo 10 ai fi	238
Average number of persons employed (a)	.be	nobaeda 'ao bi	Moddesp Klasd	(d) Including pro
Males	812	6	46	864
Females	463	12	16	491
Total	1,275	18	62	1, 355
(a) Including working proprietors. DS 2372/1				rantes of

Sales in the trade

Larger establishments

TABLE 23

00012 4700 377 00012	England and Wales		Scotl	and	Great Britain	
ronial restaura (seneral)	Quantity	Value	Quantity	Value	Quantity	Value
Principal products	Th.lbs.	£' 000	Th.lbs.	£1000	Th.1bs.	£'000
Bristles, hair and fibres, dressed			008	35	Lin veneumd :	tich in
For brushmaking		100				R0
Dressed bristles		8, 556 8, 556	- saya,		other toller	
Pure	88.7	113	_	-	88.7	113
Mixed with hair	41.9	30 13	}	- {	41.9	30 13
Prepared animal hair	637.6	363	-	- 9	637.6	363
Dressed fibres	Th. cwts. 66.8	666	<u> </u>	- 1	Th. cwts. 66.8	666
Other and unclassified	3.3	56	-	-	3.3	56
Total bristles and fibres, dressed, and hair prepared		1816088	1		balqada eqli	osti ale
for brushmaking		1,241		-	bam acticosm to	1,241
Brushes, brooms, etc.	Th. doz.		Th.doz.		Th. doz.	FIELD .
Artists' brushes and brushes of fine hair	829	313 73	500,1	- {	829	313 73
Paint, paste, distemper, whitewash and similar brushes	77	888	978	Ser Ser	rusnes and su ound oil brus	pue .
to Askery diaments		rd sor	901		selevid vi	Gavad
Overall width of filling at mouth of ferrule or other binding				ratto	her types of Les, except re Les and brushe	o EIX
Less than ½ inch	89	22			89	22
½ inch and over but		901	991		D9,1085 5 98.5	LOSIO
not exceeding 3 inches	1,726	3,620	8	27	1,491	2, 119
Exceeding 3 inches		828	467	Egol	242	1,528
Unclassified	454	718	16	45	471	764
Brushes for use as part of a machine, other than		196	487	,81	ing buits, bol	POLISI etc.
those filled with wire	215	502	2	9	217	511

TABLE 23 (contd.)

TABLE 20 (CONTEST)	9.5	n the tra	1 80188			
2 4 9 62	England a	nd Wales	Scotl	and	Great Britain	
	Quantity	Value	Quanti ty	Value	Quantity	Value
Principal products (contd.)	Th. doz.	£1000	Th. doz.	£'000	Th. doz.	8,000
Brushes, brooms, etc. (contd.)		90018	1801.7			
Toilet brushes					109 edoubo	d legioner-
Nail brushes filled with vegetable fibre { only	300	103	3	2 {	304	1.05 13
All other toilet brushes	2,763	2,356	1	3	2,764	2, 359
Brooms		311	TV88			409
Machine stapled Other machine made	546	760	9	20	551	771
	,	\$88	8,,759	- (	4	9
Hand-made	224	836	12	42	237	878
Banister and hearth brushes		58	5,2		d unclased fie	rs rodio
Machine stapled	260	230	2	4	261	232
Other machine made	J	L. CAS.			attendauld to	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 <b>1</b> 5	7	7 {	383	290 15
Lavatory brushes	109	102	1	2	111	104
All other types of brushes, except feather brushes and brushes filled with wire					I width of ng at mouth o le or other ng	intervo intiti intid build a, eas
Machine stapled	185	185	3	4	188	189
Other machine made and hand-made	556	517 40	9	16 {	565	533 40
Feather brushes and mops (other than for artists)	467	328 55	- 385	- {	467	328 55
Polishing buffs, bobs, etc. (a)	487	196 777	}	- {	487	196 777
Waste products sold	tel s	10	212	- 9	ilv milw belli	10
Principal and				6		686
The Bullion will be a second				10		

TABLE 23 (contd.)

TA	IBLE 23 (conta.)	processor and the second	. 8 . 5 . 7 . 6	Paratorus				
		England	and Wales	Scot	land	Great I	Great Britain	
		Quantity	Value	Quantity	Value	Quantity	Value	
Dr	eincipal products (contd.)	32300E	£1000	TANK TO THE TANK T	£,000		٤١٥٥٥	
-	Work done for the trade	THITAGES	3800	Quantity				
	or on commission (b)		roogra					
	Dressing of bristles, hair or fibre		16		_		16	
	Other		59		2 4 emotos 2 1 <del>- 1</del> 1860	THE SPANSING	59	
	Total principal products		14,352		220		14,572	
Ot	her output	Th. doz.		The enter Street		Th. doz.	e in the same	
	Wire brushes		073			III. UOZ.	The state of the s	
	For use as part of a machine	17	50	_	_	17	50	
	Other	132	181	EAST ONE SE	-	132	181	
	Parts of brushes and		405,01	8,83		stolers to	Land Line	
	brooms, made of wood	Th. cwts.	44	0.24	-	Th. cwts.	44	
	Polishes	38.4	242 10	} -	- {	38.4	242	
	Other goods		226	_	-	••	226	
	Work done (b)	- 3.0	4	o.v	-		4	
	Total		15,109	8,8	220		15,329	
			The state of the s		THE RESIDENCE OF THE PARTY OF T	COLORS STATEMENT AND ADDRESS OF THE PARTY OF	I was a second of the second o	

<sup>(</sup>a) So far as recorded separately.

<sup>(</sup>b) Amount charged.

## Purchased materials and fuel

#### Larger establishments

TABLE 24

00012	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
		£'000		£1000	(e) noiseimmo	£'000
Materials				3,		
Parts of brushes and brooms,						
made of wood (e.g., boards, stocks and handles)		712		28	Name to be because of the	740
Timber (excluding packing						
materials)	Th. cu. ft.		Th. cu. ft.		Th. cu. ft.	ATT TO
Hard	979	270	7	3	986	273
Soft		17	-	-	• •	17
Bristles	Th.cwts.	The second	Th.cwts.		Th. cwts.	-Biggs
Dressed for brushmaking	12.9	1,554	0.3	36	13.2	1,590
Other	11.0	1,399	,2 <del>5</del> ,67	-	11.0	1,399
Horsehair		No.	4.00			eds 116
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				v.Leganopea	r as recordes	1.8
Dressed for brushmaking	114.2	840	2.2	27	116.4	866
Other	67.9	363 47	} -	- [	67.9	363
	1.2	201		1	1.2	202
Synthetic fibres (e.g., nylon)	1.2	102			100	
Plastic materials (including moulding powders, sheets, rods, etc.)	5.2	123 15	-	- {	5.2	123
Plastic handles and blanks		129	·	1		130
Packing materials		276		3	487	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	30
Coal	8.3	27	0.1	-	8.5	28
Coke	3.0	13	-	-	3.0	13
						The state of

TABLE 24 (contd.)

2372/1

TABLE 24 (Conta.)						
	England an	d Wales	Scot	land	Great E	Britain
	Quantity	Cost	Quantity	Cost	Quantity	Cost
Fuel and Electricity (contd.)	Th.B.T.U. (kW.hrs.)	£1000	Th.B.T.U. (kW.hrs.)	£1000	Th. B. T. U. (kW. hrs.)	£1000
Electricity purchased (a)						
From public supply	7,238	42	127	1	7,365	43
From other sources	1	-	-	-	1	_0.000000000000000000000000000000000000
Electricity obtained from other works under the same ownership		-	-	-		eal and
Motor spirit (petrol) and derv. fuel	Th.galls.		Th.galls.	-	Th.galls.	1 A A A A A A A A A A A A A A A A A A A
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		- V 000	9 - 18 - 18 - 19	-		-
Gas obtained from other works under the same ownership	1	-0,	-	-	1	n' Camarina a
All other purchased fuel		1	-			1
Total	ENST-	8,701	enengo/eno	127		8,828
					THE RESERVE AND THE PARTY OF TH	THE RESIDENCE OF THE PARTY OF T

<sup>(</sup>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

TABLE 25									
	England and Wales			Scotland			Great Britain		
	Average number of operatives	Admini- strative, technical and clerical employees (a)	Total	Average number of operatives	Admini- strative, technical and clerical employees (a)	Total	Average number of operatives	Admini- strative, technical and clerical employees (a)	Total
Males	808.8		181	94		2,7		Alédns 311	dird .works
Under 18 All ages	668 5 <b>,1</b> 42	27 1,078	695	18 154	2 25	20 179	686 5,296	29 1, 103	<b>71</b> 5 6,399
Females			No.				9000 3		ton legal
Under 18 All ages	1,285 6,925	128 788	1,413 7,713	30 112	6 22	36 134	1,315 7,037	134 8 <b>1</b> 0	1,449 7,847
Total	The salts		eal lea	.079	1.00	esg .di			ord .vges
Under 18 All ages	1,953 12,067	155 1,866(b)	2,108 13,933 (b)(c)	48 266	8 47 (b)	56 313 (b) (c)	2,001 12,333	163 1,913(b)	2,164 14,246 (b)(c)
one service of the	£1000	£1000	£1000	£1000	£1000	£1000	£1000	£1000	£1 000
Total remuneration	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

anteuton	Monthly index (a)			y consumed in England a	Monthly index (a)			
Month	England and Wales	Scotland	Great Britain	Month	England and Wales	Scotland	Great Britain	
1948			7:	1948			3.5	
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 employ-				
July	98.7	101.3	98.8	ment in this trade covered by the index	50.2	65.7	50.6	

<sup>(</sup>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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