COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

CANBERRA, AUSTRALIA

MANUFACTURING INDUSTRIES
1960 - 61

NO. 30. BROOMS AND BRUSHES

Prepared Under Instructions from

THE RIGHT HONORABLE THE TREASURER,

by

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PREFACE

1. GENERAL: The range of Bulletins in this series for 1960-61 is the same as for 1959-60 and a complete list is shown on the back of the cover of this Bulletin.

Where a number of industries are combined in one Bulletin the introductory paragraph on Page 3 specifies the industries so included.

2. CLASSIFICATION OF FACTORIES: For purposes of industry classification, factories in Australia are classified according to the nature of their product. Where two or more distinct types of industrial activity are carried on in one establishment, a separate return is obtained, wherever practicable, for each activity in order to allow classification on this basis. In cases where this is not practicable, factories are classified according to predominant activity. These cases are encountered most frequently in the Metal Trades, (e.g. General Engineering firms also producing Agricultural Implements or Stoves, etc.), and to a lesser degree in factories concerned with Skins, Leather, Clothing and Wood products.

Each of the summaries in the "Manufacturing Industries" series relates, generally, to the operations of factories classified to the industry specified. Figures shown in the quantity tables herein represent total recorded production of the articles listed and include quantities produced, as subsidiary production, in industries otherwise classified.

3. BASIS OF THE STATISTICS: The scope of the factory statistics is fully explained in the annual Secondary Industries Bulletin.

Briefly, a "factory" is defined as an establishment in which four or more persons are employed or where power (other than manual) is used in any manufacturing process. It should be noted that details relating to small establishments not classified for statistical purposes as factories are not included in the figures shown herein.

All persons employed in the manufacturing activities of the factory are counted as factory employees. The figures relating to employment, therefore, include working proprietors as well as "out-workers", but exclude all those engaged in selling and distribution, such as salesmen, travellers, collectors, carters engaged solely on outward delivery of manufactured goods, and retailing storemen.

The value of materials used includes the value, in the usual sense, of the materials used, stores used, containers, tools replaced and materials used in repairs to plant. In general, it does not include the value of customers' articles or materials repaired, assembled or treated by the factory.

The value of output is the selling value, at the factory, (exclusive of all delivery costs and charges and excise duties, but inclusive of bounty and subsidy payments to the manufacturer of the finished article) of all goods made during the year. In addition it includes the value of other work done, such as repair work, assembling and making-up for customers.

The value of production is the value added to raw materials by the process of manufacture. It is calculated by deducting from the value of factory output the value (at the factory) of the materials used, containers and packing, power, fuel and light used, tools replaced and materials used in repairs to plant (but not depreciation charges). The value of production is the source from which, in addition to wages and salaries, such items as interest, depreciation, profits, taxation, advertising and other sundry charges are met. As details of these other costs of production are not collected, the amounts of profit resulting from factory operations cannot be ascertained from the figures contained herein.

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CANBERRA, A.C.T.

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COMMONWEALTH STATISTICIAN

961

MANUFACTURING INDUSTRIES, AUSTRALIA : 1960-61

BROOMS AND BRUSHES

1. SUMMARY OF STATISTICS: The following table furnishes a summary of the principal statistics of the factories engaged in the manufacture of Brooms and Brushes in Australia for the years 1956-57 to 1960-61.

TABLE 1 : BROOM AND BRUSH FACTORIES, AUSTRALIA

Year	Factories (1)	Persons Employed (a)(2)	Salaries and Wages Paid (b)(3)	Power, Fuel and Light etc. Used (c)(4)	Value of Materials, etc. Used (d)(5)	Value of Production (e)(6)	Value of Output (f)(7)
	Number	Number	£'000	£'000	£'000	£'000	£'000
1956-57	106	1,879	1,399	37	2,537	2,378	4,952
1957-58	106	1,910	1,436	41	2,463	2,538	5,042
1958-59	102	1,841	1,363	44	2,548	2,496	5,088
1959-60	100	1,859	1,475	46	2,873	2,792	5,711
1960-61	101	1,892	1,543	51	2,927	2,936	5,914

(a) Average over whole year; includes Working Proprietors. (b) Excludes amounts drawn by Working Proprietors. (c) Includes Water and Lubricating Oils. (d) Includes value of containers, packing, etc., replacement of tools and repairs to plant. (e) Value of production equals column (7) less total of column (4) and (5). (f) Value of goods produced.

In the following table particulars are given for each State during the year 1960-61.

TABLE 2 : BROOM AND BRUSH FACTORIES : STATES, 1960-61

Particulars	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	AUSTRALIA
	No.	No.	No.	No.	No.	No.	No.
Factories	54	23	11	9	2	2	101
Persons Employed -							
Males	379	357	120	226	(a)	(a)	1,197
Females	267	198	28	169	(a)	(a)	695
TOTAL	646	555	148	395	(a)	(a)	1,892
	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Salaries and Wages Paid	578	455	91	310	(a)	(a)	1,543
Value of -							
Power, Fuel and Light, etc. used	15	12	2	20	(a)	(a)	51
Materials, etc. used	1,118	1,116	88	539	(a)	(a)	2,927
Production	1,102	892	98	723	(a)	(a)	2,936
Output	2,234	2,020	186	1,283	(a)	(a)	5,914
Land and Buildings (b)	493	490	42	367	(a)	(a)	1,497
Plant and Machinery (b)	184	196	14	212	(a)	(a)	622
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
H.P. of Engines ordinarily in use	1,283	977	92	1,145	(a)	(a)	3,822

(a) Not available for publication. (b) Depreciated or book values at end of year.

See also notes to Table No. 1 above.

2. AVERAGE SALARIES, OUTPUT AND PRODUCTION: Particulars of the average salary and wage paid together with the average values of output and production per person engages and the ratio of salaries and wages to value of production are shown in the following table for the years 1956-57 to 1960-61.

TABLE 3 : BROOM AND BRUSH FACTORIES :

AVERAGE SALARIES AND WAGES PAID, OUTPUT, ETC., PER EMPLOYEE : AUSTRALIA

Year	Salaries and Wages per Employee (a)	Value of Output per Person Engaged (a)	Value of Production per Person Engaged (b)	Ratio of Salaries and Wages to Value of Production
	£.	£.	£.	%
1956-57	771	2,635	1,266	58.85
1957-58	780	2,640	1,329	56.56
1958-59	765	2,764	1,356	54.62
1959-60	819	3,072	1,502	52.84
1960-61	844	3,072	1,502	52.56

(a) Excludes Working Proprietors and amounts drawn by them. (b) Includes Working Proprietors.

3. PRINCIPAL MATERIALS USED AND ARTICLES PRODUCED. In the following table, details are given of the quantities and values of the principal materials used and articles produced for the years 1959-60 and 1960-61. The details shown include particulars of quantities manufactured in other establishments.

TABLE 4 : PRINCIPAL MATERIALS USED AND ARTICLES PRODUCED IN BROOM AND BRUSH FACTORIES :

AUSTRALIA

Particulars	1959-60		1960-61	
	Quantity	Value (£)	Quantity	Value (£)
	cwt.		cwt.	
MATERIALS USED: -				
Bristles - Natural	3,171	673,362	2,711	707,758
Synthetic	2,562	239,385	2,779	234,945
Hair	1,117	102,719	1,003	89,018
Vegetable Fibres -				
Coir (Coconut)	989	20,422	1,074	18,522
Millet	17,922	200,308	19,710	212,389
Piassava - Bass	2,934	36,472	2,918	35,887
Bassine	4,549	52,971	2,775	25,895
Palmyra	1,047	7,270	3,664	26,369
Other	3,844	10,159	3,895	70,192
Yarn - Coir	1,761	13,780	1,979	16,723
	gross		gross	
ARTICLES PRODUCED: -				
Brushes -				
Hair and Cloth	5,922	116,374	7,318	118,732
Nail	6,932	61,875	9,089	67,288
Tooth	67,288	302,257	79,154	336,146
Scrubbing	9,347	162,274	9,207	180,139
Shaving	655	12,148	407	9,819
Paint and Varnish	39,714	1,677,181	43,542	1,788,290
Other (Artists, Cosmetic, etc.)	43,378	427,610	38,416	394,482
Industrial - Metal	(a)	238,981	(a)	299,718
Bristle	(a)	97,491	(a)	127,723
Mops - Floor	15,426	485,198	16,116	559,249
Brooms - Millet	8,421	454,426	9,618	528,001
Bass and Bassine	5,334	251,183	5,059	235,095
Hair and Bristle	6,748	517,853	6,383	469,129
	number		number	
Coir Mats	15,767	51,800	16,211	50,797
Carpet Sweepers (Non-Electric)	33,495	71,746	29,834	67,702
	sq.yd.		sq.yd.	
Coir Matting	36,166	21,119	34,233	19,325

(a) Quantity not collected.

4. EMPLOYMENT: The number of employees shown in Tables 1, 2 and 6 has been adjusted to represent the average employment over the whole year in those cases where short time was worked. In the following table the factories have been classified for the years 1956-57 to 1960-61 according to the average number employed during the actual period worked.

TABLE 5 : BROOM AND BRUSH FACTORIES CLASSIFIED ACCORDING TO PERSONS EMPLOYED :

AUSTRALIA

Number of Persons Employed in each Factory	1956-57		1957-58		1958-59		1959-60		1960-61	
	No. of Factories	Number Employed	No. of Factories	Number Employed	No. of Factories	Number Employed	No. of Factories	Number Employed	No. of Factories	Number Employed
Under 4	35	60	36	65	33	66	31	56	31	60
4	7	28	7	28	4	16	7	28	9	36
5 to 10	23	173	23	182	25	182	25	183	20	148
11 to 20	16	217	17	245	17	253	15	229	21	307
21 to 50	17	539	15	519	12	412	13	445	11	404
Over 50	8	868	8	873	9	921	9	919	9	943
TOTAL	106	1,885	106	1,912	102	1,850	100	1,860	101	1,898
Average Number Employed per Factory	18		18		18		19		19	

Further details of employment are furnished in the two tables which follow. In Table 6 the numbers of males and females employed are shown for the years 1958-59 to 1960-61 according to the nature of their employment.

TABLE 6 : BROOM AND BRUSH FACTORIES :

PERSONS EMPLOYED CLASSIFIED ACCORDING TO OCCUPATIONAL STATUS :

AUSTRALIA

Occupational Status	Males			Females		
	1958-59	1959-60	1960-61	1958-59	1959-60	1960-61
Working Proprietors	53	50	54	7	9	10
Managerial and Clerical Staff, including Salaried Managers and Working Directors	107	105	106	81	85	86
Chemists, Draftsmen and Other Laboratory and Research Staff	5	7	5	-	1	1
Foremen and Overseers	86	86	1,032(a)	8	9	598(a)
Workers in Factory (Skilled and Unskilled)	950	949		540	557	
Others, (Carters, Messengers, etc.)	4	1		-	-	
TOTAL	1,205	1,198	1,197	636	661	695

(a) Separate details no longer collected.

In the following table the number of persons employed in June in each of the years 1957 to 1961 is shown according to age and sex distribution.

TABLE 7 : BROOM AND BRUSH FACTORIES

DISTRIBUTION OF EMPLOYEES ACCORDING TO AGE AND SEX, AUSTRALIA

(Excluding Working Proprietors)

Last Pay Day in June	Under 16 Years	16 Years	17 Years	18 Years	19 Years	20 Years	Total 16 to 20 Years	21 Years and Over	Total all Ages
MALES									
1957	39	28	37	39	23	22	149	1,008	1,196
1958	38	23	24	33	36	26	142	1,018	1,198
1959	34	36	27	31	26	24	144	990	1,168
1960	36	33	36	25	31	22	147	976	1,159
1961	33	(a)	(a)	(a)	(a)	(a)	136	952	1,121
FEMALES									
1957	19	23	17	19	12	16	87	569	675
1958	29	30	22	24	26	11	113	522	664
1959	17	29	20	31	28	13	121	503	641
1960	24	18	33	24	27	34	136	525	685
1961	15	(a)	(a)	(a)	(a)	(a)	126	473	614

(a) Separate details not now collected.

5. POWER EQUIPMENT: Statistics of the power equipment installed are given in the next table. The details include the rated horsepower of engines ordinarily in use together with those in reserve or idle for the years 1958-59 to 1960-61.

TABLE 8 : BROOM AND BRUSH FACTORIES

TYPES AND RATED HORSEPOWER OF ENGINES, AUSTRALIA

Class of Engine	Rated Horsepower of Engines					
	Ordinarily in Use			In Reserve or Idle		
	1958-59	1959-60	1960-61	1958-59	1959-60	1960-61
Steam - Reciprocating	-	-	-	-	-	-
Turbine	-	-	-	-	-	-
Internal Combustion -						
Gas	-	-	-	-	-	-
Petrol or Other Light Oils	13	13	27	15	15	15
Heavy Oils	6	6	-	-	-	-
Total Prime Movers:	19	19	27	15	15	15
Motors Driven by Electricity -						
Purchased	3,459	3,460	3,795	123	127	138
Own Generation	-	-	-	-	-	-
Total Electricity:	3,459	3,460	3,795	123	127	138
TOTAL POWER EMPLOYED:	3,478	3,479	3,822	138	142	153

6. CONSUMPTION OF POWER, FUEL AND LIGHT. Details of the quantities and values of the various items of power, fuel and light etc., used are shown in the following table for the years 1958-59 to 1960-61.

TABLE 9 : BROOM AND BRUSH FACTORIES

POWER, FUEL AND LIGHT, ETC. USED, AUSTRALIA

Particulars	Unit of Quantity	Quantity			Value (£)		
		1958-59	1959-60	1960-61	1958-59	1959-60	1960-61
Power, Fuel and Light -							
Coke	ton	45	48	61	306	413	426
Wood	"	104	57	53	451	260	212
Fuel Oil	gal.	2,862	4,518	2,870	294	480	261
Electricity	-	(a)	(a)	(a)	33,543	35,156	37,372
Gas	-	(a)	(a)	(a)	3,882	4,479	4,763
Other (Charcoal, etc.)	-	(a)	(a)	(a)	97	-	15
Water and Lubricating Oil used	-	(a)	(a)	(a)	4,991	5,304	7,887
TOTAL		(a)	(a)	(a)	43,564	46,092	50,936

(a) Value only available.

7. VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY: Particulars of the book values of premises occupied and plant installed at 30th June, for the years 1957 to 1961 are shown in the next table. Details of the values of additions and replacements made and depreciation allowed during the same period are also shown. It should be noted that the amounts shown are those recorded by factories which were operating during each year and that changes in their number, as well as other factors, affect comparison from year to year.

TABLE 10 : BROOM AND BRUSH FACTORIES

VALUE OF LAND, BUILDINGS, PLANT AND MACHINERY, ETC. AUSTRALIA

(£)

Year	Book Values as at 30th June (a)		Additions and Replacements made during year		Depreciation Allowed during year	
	Land and Buildings	Plant and Machinery	Land and Buildings	Plant and Machinery	Land and Buildings	Plant and Machinery
1956-57	1,149,213	501,353	441,490	142,704	423	44,448
1957-58	1,189,860	517,369	18,808	73,866	856	51,806
1958-59	1,150,949	518,136	37,615	76,959	1,028	55,926
1959-60	1,375,184	513,704	88,796	62,373	399	57,558
1960-61	1,496,653	622,474	100,864	152,627	1,157	57,886

(a) Includes estimated value of rented premises and machinery.

6. EXTERNAL TRADE: The values of imports of Brooms and Brushware are given in the following table for the years 1956-57 to 1960-61.

TABLE 11 : IMPORTS OF BRUSHWARE : AUSTRALIA

(£A. f.o.b. Port of Shipment)

Year	Brooms, Whisks, Mops, Carpet Sweepers and Scrubbing Brushes	Hair, Cloth and Shaving Brushes	Paint and Varnish Brushes	Tooth Brushes	Brushes n.e.i. (a)	Total Brooms and Brushware
1956-57	40,578	42,827	1,651	3,906	120,561	209,523
1957-58	67,874	58,739	3,240	7,134	156,274	293,261
1958-59	80,357	69,694	4,424	6,904	155,299	316,678
1959-60	92,601	93,442	7,948	12,379	195,689	402,059
1960-61	105,923	134,073	(b)	(b)	289,798	529,794

(a) Includes Artists Brushes and Brushes with Bristles of metal and metal admixtures.
(b) Not recorded separately; included in "Brushes n.e.i.".

Particulars of the imports of relevant materials are shown in the following table for the years 1956-57 to 1960-61.

TABLE 12 : BROOMS AND BRUSHES : IMPORTS OF CERTAIN BASIC MATERIALS (a)

Year	Bristles of Animal Origin		Hair, not Human		Vegetable Fibres			
					Bass		Coir	
	Quantity cwt.	Value £	Quantity cwt.	Value £	Quantity cwt.	Value £	Quantity cwt.	Value £
1956-57	3,536	425,955	13,808	362,388	4,280	44,323	150,023	242,665
1957-58	3,143	486,109	14,267	360,556	3,886	38,196	155,041	248,160
1958-59	3,549	480,623	24,760	536,523	3,502	34,629	143,930	228,327
1959-60	3,690	608,025	32,656	739,817	3,928	38,042	150,254	294,796
1960-61	3,055	695,373	39,862	728,813	3,425	33,062	138,049	321,251

(a) Imports of synthetic monofilaments suitable for use as bristles amounted to 180,000 lb. valued at £188,318 in 1956-57, 172,862 lb. valued at £194,876 in 1957-58, 285,684 lb. valued at £207,174 in 1958-59, 435,702 lb. valued at £302,165 in 1959-60 and 378,174 lb. valued at £278,845 in 1960-61.

NOTE: - Values are expressed in £A. f.o.b. port of shipment.

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COMMONWEALTH STATISTICIAN

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS
CANBERRA, A.C.T. 21ST JUNE, 1962

NOTE: Inquiries concerning these statistics can be made in Canberra by telephoning U0413 Extension 301 or, in State Capitals, by telephoning the offices of the Deputy Commonwealth Statisticians.