

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS, CANBERRA,

AUSTRALIA

MANUFACTURING INDUSTRIES

1954-55

NO. 14 BOOTS AND SHOES

Prepared Under Instructions from
THE RIGHT HONORABLE THE TREASURER,

by

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PREFACE

1. GENERAL: The Bulletins in the series for 1954-55 are listed on the back of the cover of this Bulletin and incorporate the same range of industries as the 1953-54 series.

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 and these cases are encountered most frequently in the Metal Trades, (e.g. General Engineering firms also producing Agricultural Implements or Stores, 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, 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 figures, however, do include, proprietors who work in their own businesses as well as "out-workers".

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 such items as wages, interest, depreciation, profits, taxation, advertising and other sundry charges are met. As full details of costs of production are not collected, the amount of profit resulting from factory operations cannot be ascertained from the figures contained herein.

S.R. CARVEE
ACTING COMMONWEALTH STATISTICIAN

MANUFACTURING INDUSTRIES : AUSTRALIA, 1954-55BOOTS AND SHOES

1. SUMMARY OF STATISTICS. Details contained in this summary relate to the manufacture of Boots and Shoes only, and do not include details of Boot and Shoe Repairing (except for Tasmania for the years 1952-53 to 1954-55), Boot and Shoe Accessories or Footwear produced in Rubber Works. The following table furnishes a summary for the years 1938-39, 1945-46 and 1952-53 to 1954-55 of the principal statistics of the factories engaged in the manufacture of Boots and Shoes.

TABLE 1 : BOOTS AND SHOES : 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
1938-39	311	17,263	2,633	52	4,273	3,696	8,021
1945-46	383	18,264	4,408	75	7,519	6,472	14,066
1952-53(g)	509	20,920	12,430	197	17,668	17,162	35,027
1953-54(g)	520	22,953	14,215	225	20,508	19,445	40,178
1954-55(g)	516	22,323	14,241	226	21,020	19,641	40,887

- (a) Average over the whole year; includes Working Proprietors.
 (b) Excludes amounts drawn by Working Proprietors.
 (c) Includes Water and Lubricating Oil.
 (d) Includes also value of containers, packing, etc., replacements of tools and repairs to plant.
 (e) Value of Production equals column (7) less total of columns (4) and (5).
 (f) Value of goods produced.
 (g) Includes details of Boot and Shoe Repairing in Tasmania.

In the following table, particulars are given for each State during the year 1954-55.

TABLE 2 : BOOTS AND SHOES : STATES, 1954-55.

Particulars	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS. (a)	AUSTRALIA
	No.	No.	No.	No.	No.	No.	No.
Factories	191	239	31	23	11	21	516
Persons Employed -							
Males	3,524	5,698	821	746	372	120	11,281
Females	3,689	5,724	725	593	262	49	11,042
Total:	7,213	11,422	1,546	1,339	634	169	22,323
Salaries and Wages Paid	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Value of -	4,667	7,326	876	880	395	91	14,241
Power, Fuel, Light, etc. Used	83	109	11	14	8	1	226
Materials, etc. Used	6,331	11,690	1,313	1,067	481	138	21,020
Production	6,518	10,147	1,131	1,167	541	137	19,641
Output	12,932	21,946	2,455	2,248	1,030	276	40,887
Land and Buildings (b)	1,278	1,768	222	284	149	32	3,733
Plant and Machinery (b)	823	1,832	299	273	133	20	3,380
H.P. of Engines ordinarily in Use	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
	4,947	9,567	1,389	870	589	126	17,488

- (a) Includes details of Boot and Shoe Repairing.
 (b) Depreciated or book values at end of year.

See also notes to Table 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 engaged and the ratio of salaries and wages to the value of production, are shown in the following table for the year 1938-39, 1945-46 and 1952-53 to 1954-55.

TABLE 3 : BOOT AND SHOE FACTORIES : AVERAGE SALARIES AND WAGES PAID, OUTPUT, ETC. PER EMPLOYEE : AUSTRALIA

Year	Salaries and Wages per Employee (a)	Value of Output per Person Engaged (b)	Value of Production Per Person Engaged (b)	Ratio of Salaries and Wages to Value of Production
	£.	£.	£.	%
1938-39	156	465	214	71.23
1945-46	246	770	354	68.10
1952-53 (c)	604	1,674	820	72.43
1953-54 (c)	629	1,750	847	73.11
1954-55 (c)	648	1,832	880	72.51

- (a) Excludes Working Proprietors and amounts drawn by them.
 (b) Includes Working Proprietors.
 (c) Includes details of Boot and Shoe Repairing in Tasmania.

3. MATERIALS USED AND ARTICLES PRODUCED. The following two tables show particulars of materials used in (i) Boot and Shoe Factories and (ii) Boot and Shoe Repairers classified as factories, and of Boots, Shoes and Slippers produced in all factories (excluding Footwear produced in Rubber Works) for the year 1954-55.

TABLE 4 : MATERIALS USED IN BOOT AND SHOE FACTORIES AND BY BOOT AND SHOE REPAIRERS AUSTRALIA, 1954-55

Materials	Unit of Quantity	Boot and Shoe Factories		Boot and Shoe Repairers (a)	
		Quantity	Value (£)	Quantity	Value (£)
Leather -					
Sole (Soft) (b)	sq. ft.	3,291,251	524,590	22,844	5,159
Sole (c)	lb.	19,303,096	3,240,042	2,933,724	699,546
Upper (excluding Linings)(b)	sq. ft.	38,515,652	6,140,235	47,229	8,328
Upper (c)	lb.	2,259,500	379,653	18,520	4,044
Other (b)	sq. ft.	8,000,361	782,776	8,900	1,990
Other (c)	lb.	640,028	56,521	48,082	10,539
Felt Piece Goods	sq. yd.	1,249,362	770,275	2,960	969
Rubber	lb.	985,411	214,968	119,609	28,054
Heels, Ready-made -					
Leather	pair	5,131,886	422,478	505,177	30,253
Rubber	"	834,374	80,952	434,444	31,868
Composition	"	889,771	78,202	15,338	1,214
Soles, Ready-made -					
Leather	"	6,866,317	996,034	737,713	114,806
Rubber	"	1,351,791	240,255	109,909	19,720
Composition	"	237,394	37,570	18,206	3,149

- (a) Classified as Factories.
 (b) Recorded by measurement.
 (c) Recorded by weight.

TABLE 5 : BOOTS, SHOES AND SLIPPERS, ETC. PRODUCED (a)

AUSTRALIA, 1954-55

Type of Construction	Men's and Youths'		Women's and Maids'		Children's (up to and including size 2)	
	Quantity	Value	Quantity	Value	Quantity	Value
	Pairs	£.	Pairs	£.	Pairs	£.
Boots and Shoes -						
Welts	2,606,371	6,774,852	782,433	2,007,072	259,209	319,918
M.S., F.S. and Littleways	1,345,862	2,358,029	693,460	1,208,088	675,524	836,778
Veldts (including Moccasins)	487,510	846,698	162,720	249,067	1,881,358	1,822,209
Cements or Welded	288,663	350,687	6,752,447	13,170,575	657,152	620,953
Genuine Pumps	25,272	46,420	143,249	316,735	34,838	31,991
Screwed or Rivetted	1,053,740	1,922,748	1,726	2,589	49,516	60,286
Total Boots and Shoes:	5,807,418	12,299,434	8,536,035	16,954,126	3,557,597	3,692,135
Sandals (all constructions)	582,900	660,990	710,500	900,462	686,192	512,433
Slippers (all constructions)	1,186,026	1,078,499	3,830,186	2,432,951	2,307,598	814,578

(a) Excludes Sandshoes, Goloshes and Gum, etc., Boots of Rubber.

In addition, the following relevant items were made during 1954-55, principally in establishments classified as Boot and Shoe Accessory Factories, viz:-

Boot and Shoe Uppers for Sale to Boot and Shoe Manufacturers, 121,955 pairs, £75,444.

Leather Soles for sale as such, 7,991,269 pairs, £1,316,549.

Leather Heels for sale as such, 5,311,936 pairs, £391,585.

Boot and Shoe Accessories (value only) £1,397,118.

The quantities and values of Boots and Shoes, Sandals and Slippers made in Australian factories are given in the next table for the years 1938-39, 1945-46 and 1952-53 to 1955-56.

TABLE 6 : BOOTS AND SHOES, ETC. (a) PRODUCED

AUSTRALIA

Year	Boots and Shoes		Sandals		Slippers	
	Quantity	Value	Quantity	Value	Quantity	Value
	'000 prs.	£'000	'000 prs.	£'000	'000 prs.	£'000
1938-39	13,967	6,903	(b)	(b)	7,704	924
1945-46	14,046	10,564	2,795	950	6,779	1,409
1952-53	16,492	28,802	1,478	1,413	6,982	3,870
1953-54	18,582	32,124	1,895	1,920	8,632	5,205
1954-55	17,901	32,946	1,980	2,074	7,324	4,326
1955-56 (c)	17,881	(d)	1,751	(d)	7,957	(d)

(a) Excludes Sandshoes, Goloshes and Gum, etc., Boots of Rubber.

(b) Included with Boots and Shoes.

(c) Subject to revision.

(d) Not yet available.

4. **EMPLOYMENT.** The number of persons employed shown in Tables 1, 2 and 8 has been adjusted to represent the average employment over the whole year in those cases where short time was worked. In the following tables, the factories have been classified according to the average number employed during the actual period worked for the years 1938-39, 1945-46 and 1952-53 to 1954-55.

TABLE 7 : BOOT AND SHOE FACTORIES CLASSIFIED ACCORDING TO PERSONS EMPLOYED

AUSTRALIA

Number of Persons Employed in each Factory	1938-39		1945-46		1952-53(a)		1953-54(a)		1954-55(a)	
	No. of Fac-tories	Number Em- ployed	No. of Fac-tories	Number Em- ployed	No. of Fac-tories	Number Em- ployed	No. of Fac-tories	Number Em- ployed	No. of Fac-tories	Number Em- ployed
Under 4	51	107	46	95	87	160	84	145	86	162
4	14	56	18	72	18	72	11	44	13	52
5 to 10	39	288	53	372	66	483	75	534	71	508
11 to 20	38	579	66	1,029	94	1,430	85	1,267	91	1,423
21 to 50	69	2,309	97	3,402	119	3,947	126	4,171	120	4,092
51 to 100	47	3,471	47	3,418	62	4,313	68	4,996	73	5,307
101 to 200	}	10,654	44	6,138	47	6,594	53	7,441	46	6,806
201 to 300			8	2,046	14	3,500	15	3,592	13	3,140
301 and over			4	1,790	2	675	3	1,056	3	1,123
Total:	311	17,454	383	18,366	509	21,174	520	23,246	516	22,613
Average Number Employed per Factory	56		48		42		45		44	

(a) Includes details of Boot and Shoe Repairing in Tasmania.

Further details of employment are furnished in the two tables which follow. In Table 8 the numbers of males and females employed are shown for the years 1938-39, 1953-54 and 1954-55 according to the nature of their employment, but because of the change in classification of occupational status adopted in 1945-46, detailed comparison between 1938-39 and the later years shown is not possible.

TABLE 8 : BOOT AND SHOE FACTORIES

PERSONS EMPLOYED CLASSIFIED ACCORDING TO OCCUPATIONAL STATUS : AUSTRALIA

Occupational Status	Males			Females		
	1938-39	1953-54 (a)	1954-55 (a)	1938-39	1953-54 (a)	1954-55 (a)
Working Proprietors	303	333	317	34	31	43
Managerial and Clerical Staff, including Salaried Managers and Working Directors	) (	657	679	) (	623	627
Chemists, Draftsmen and other Laboratory and Research Staff	) 7,973	11	5	) 8,882	2	1
Foremen and Overseers	) (	929	917	) (	293	274
Workers in Factory (Skilled and Unskilled)	) (	9,705	9,337	) (	10,296	10,077
Others, (including Carters, Messengers, etc.)	65	29	26	6	44	20
Total:	8,341	11,664	11,281	8,922	11,289	11,042

(a) Includes details of Boot and Shoe Repairing in Tasmania.

In the following table, the numbers of persons employed in June, for the years 1939, 1946 and 1953 to 1955 are shown according to age and sex distribution.

TABLE 9 : BOOT AND SHOE FACTORIES
DISTRIBUTION OF EMPLOYEES ACCORDING TO AGE AND SEX

AUSTRALIA
(Excluding Working Proprietors)

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									
1939(a)	460	(b)	(b)	(b)	(b)	(b)	1,252	6,347	8,059
1946(a)	282	266	273	241	212	203	1,195	8,592	10,069
1953(c)(d)	364	270	274	242	203	155	1,144	9,702	11,210
1954(c)(d)	323	338	302	251	219	165	1,275	9,672	11,270
1955(c)(d)	248	265	321	270	225	182	1,263	9,366	10,877
FEMALES									
1939(a)	1,010	(b)	(b)	(b)	(b)	(b)	2,444	5,516	8,970
1946(a)	302	346	370	420	362	315	1,813	7,422	9,537
1953(c)(d)	388	375	366	293	227	184	1,445	9,090	10,923
1954(c)(d)	370	377	368	335	235	162	1,477	9,466	11,313
1955(c)(d)	304	330	366	333	277	193	1,499	9,271	11,074

(a) Pay day nearest 15th June.

(b) Details not collected.

(c) Includes details of Boot and Shoe Repairing in Tasmania.

(d) Last pay day in June.

5. **POWER EQUIPMENT.** Statistics of the power equipment installed are given in the next table. The details include the rated horse-power of engines ordinarily in use, together with those in reserve or idle.

TABLE 10 : BOOT AND SHOE FACTORIES
TYPES AND RATED HORSEPOWER OF ENGINES

AUSTRALIA

Class of Engine	Rated Horsepower of Engines					
	Ordinarily in Use			In Reserve or Idle		
	1938-39	1953-54 (a)	1954-55 (a)	1938-39	1953-54 (a)	1954-55 (a)
Steam - Reciprocating	260	1	-	10	-	-
Turbines	-	-	-	-	-	-
Internal Combustion -						
Gas	213	310	200	-	-	-
Petrol or other						
Light Oils	30	219	115	40	2,022	2,057
Heavy Oils	551	271	295	116	1,183	803
Water	-	-	-	-	-	-
Total, Prime Movers:	1,054	801	610	166	3,205	2,860
Motors driven by electricity -						
Purchased	5,619	15,878	16,878	239	301	374
Own Generation	(b)228	(b)160	(b)220	2	43	75
Total, Electricity:	5,847	16,038	17,098	241	344	449
TOTAL POWER EMPLOYED:	6,673	16,679	17,488	407	3,549	3,309

(a) Includes details of Boot and Shoe Repairing in Tasmania.

(b) These motors are driven by electricity generated by Prime Movers and to avoid duplication are excluded from statistics of total power employed.

6. POWER, FUEL AND LIGHT, ETC., USED. Details of the quantities and values of the various items of power, fuel and light, etc., used are shown for the years 1938-39, 1953-54 and 1954-55 in the following table:-

TABLE 11 : BOOT AND SHOE FACTORIES : POWER, FUEL AND LIGHT, ETC., USED
AUSTRALIA

Particulars	Unit of Quantity	Quantity			Value (£)		
		1938-39	1953-54 (a)	1954-55 (a)	1938-39	1953-54 (a)	1954-55 (a)
Power, Fuel and Light -							
Coal - Black	ton	353	138	124	652	581	428
Brown	"	124	985	680	207	2,602	1,822
Brown Coal Briquettes	"	(b)	-	-	(b)	-	-
Coke	"	1,040	227	34	1,457	795	295
Wood	"	6	10	11	3	49	53
Fuel Oil	'000 gal.	40	45	52, 300	1,151	4,095	4,784
Tar (Fuel)	"	(c)	-	-	(c)	-	-
Electricity	-	(d)	(d)	(d)	35,853	178,679	180,885
Gas	-	(d)	(d)	(d)	7,337	20,997	21,785
Other (Charcoal, etc.)	-	(d)	(d)	(d)	139	802	587
Water and Lubricating Oil Used	-	(d)	(d)	(d)	5,019	16,204	16,090
<u>Totals:</u>		(d)	(d)	(d)	51,818	224,804	226,729

(a) Includes details of Boot and Shoe repairing in Tasmania.

(b) Included with Brown Coal.

(c) Details not collected.

(d) Value only available.

7. VALUE OF LAND, BUILDINGS, PLANT AND MACHINERY. Particulars of the book values of premises occupied and plant installed as at the 30th June for the years 1938-39, 1945-46 and 1952-53 to 1954-55 are shown in the next table. Details of the values of additions and replacements made and depreciation allowed during the same periods 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 12 : BOOT AND SHOE FACTORIES : VALUE OF LAND AND BUILDINGS,
PLANT AND MACHINERY, ETC. : AUSTRALIA
(£)

Year	Book Value 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
1938-39	1,192,496	864,209	7,069	52,952	4,916	44,824
1945-46	1,518,311	1,222,376	43,092	141,394	8,526	83,099
1952-53(b)	3,266,644	2,652,784	94,417	359,914	3,649	149,937
1953-54(b)	3,490,872	3,151,702	144,416	444,798	6,891	178,849
1954-55(b)	3,732,590	3,379,983	173,175	369,419	5,821	192,544

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

(b) Includes details of Boot and Shoe repairing in Tasmania.

8. EXTERNAL TRADE. The values of imports and exports of Footwear for the years 1938-39, 1945-46 and 1952-53 to 1954-55 are given in the following table.

TABLE 13 : IMPORTS AND EXPORTS OF FOOTWEAR

AUSTRALIA

(£A. f.o.b. port of shipment)

Type of Footwear	1938-39	1945-46	1952-53	1953-54	1954-55
<u>IMPORTS</u>					
Wholly of Leather					
Men's	19,020	6,206	14,795	62,301	121,264
Women's and Children's	54,814	1,419	94,926	184,201	258,124
Part Leather and Part Fabric	18,139	34	10,914	88,818	140,643
Rubber					
Goloshes and Rubber Sand Boots	3,967	2	12,009	83,744	149,885
Gum and Wading Boots	609	20	25,303	29,001	19,162
Other, including Slippers, Clogs and Pattens	43,427	2,376	40,621	137,978	} 263,810
Parts and Materials for footwear	71,582	203	1,524	2,578	
<u>TOTAL:</u>	211,558	10,260	200,092	588,621	952,888
<u>EXPORTS</u>					
Wholly of Leather	18,931	87,495	56,484	53,602	40,374
Part Leather and Part Fabric	(a)	625	117	1,378	(a)
Rubber	2,917	1,332	30,448	10,614	7,714
Other	1,103	26,867	24,115	13,846	} 22,081
Parts and Materials for footwear	(a)	130	419	1,946	
<u>TOTAL:</u>	22,951	116,449	111,583	81,386	70,169

(a) Included with Other Footwear.

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COMMONWEALTH BUREAU OF CENSUS AND STATISTICS,
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