



Commonwealth Bureau of Census and Statistics.

CANBERRA.

OFFICIAL STATISTICS, COMMONWEALTH OF AUSTRALIA.

MANUFACTURING INDUSTRIES,

1940-41.

NO. 17 BOOTS AND SHOES

PREPARED UNDER INSTRUCTIONS FROM
THE HONORABLE THE TREASURER.

BY

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P R E F A C E

1. Industries included in the Series: The list of industries included in this series is the same as in previous years. Summaries of the various industries will appear as the information becomes available and not necessarily in any given order. The following have already been published: Nos. 1 to 7 and 9 to 16.
2. Classification of Factories: The classification of factories in Australia is based on the nature of the product. Where two or more distinct types of industrial activity are carried on in one establishment, factory proprietors are requested to furnish separate returns for each activity. In some instances, however, this is not practicable, and in such cases there is no alternative but to classify the factory according to its predominant activity. This difficulty is most acute in the Metal Trades industries (e.g. Engineering firms also producing Agricultural Implements, Stoves and Ovens, and/or Brass and Copper products), but it is also to be found in factories concerned with the treatment or manufacture of Skins, Leather, Clothing, Wood products and some other articles. In consequence, and to an extent which will vary with individual industries, the figures may include the subsidiary but extraneous activities of those establishments included in the industry, while they will exclude relevant activities which are subsidiary to the predominant activity of establishments classified to some other industry. This qualification is not important in the case of Boots and Shoes, the industry with which this summary is concerned.
3. Basis of the Statistics: The scope of the factory statistics is fully explained in Part I of the annual Production Bulletin.

Briefly, a "factory" is taken to be an industrial establishment in which four or more hands are employed or in which power other than hand is used.

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, and retailing storemen. The figures do include, however, proprietors who work in their own factories and "out-workers".

The value of output is the wholesale selling value at the factory of goods made or processed during the year, including by-products. 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 of output minus the cost of raw materials, containers, power, fuel, light, lubricants, water, tools replaced, and repairs to plant.

S. R. CARVER

Acting Commonwealth Statistician

Canberra, A.C.T.

7th April, 1943.

BOOTS AND SHOES

The following table furnishes a summary of the principal statistics of the factories engaged in the manufacture of Boots and Shoes.

1. BOOT AND SHOES : AUSTRALIA, 1936-37 TO 1940-41.

Year	Number of Factories	Persons Employed (c)	Salaries and Wages Paid (b)	Power, Fuel and Light Used	Value of Other Materials Used	Value of Production	Value of Output
	No.	No.	£'000	£'000	£'000	£'000	£'000
1936-37	312	16,497	2,220	51	4,181	3,162	7,394
1937-38	307	16,753	2,464	51	4,247	3,551	7,949
1938-39	311	17,263	2,633	52	4,273	3,696	8,021
1939-40	320	18,567	2,927	56	5,161	4,166	9,365
1940-41	317	18,253	3,165	59	5,790	4,477	10,326

(a) Including Working Proprietors. (b) Exclusive of amounts drawn by Working Proprietors.

In the following table particulars of the Industry are given for each State during the year 1940-41.

2. BOOTS AND SHOES : STATES, 1940-41.

Particulars	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	AUSTRALIA
	No.	No.	No.	No.	No.	No.	No.
Number of Factories ..	101	166	21	16	10	3	317
Number Employed (a) -							
Males ..	2,862	4,879	454	491	230	40	8,956
Females ..	3,091	5,179	426	413	161	27	9,297
Total ..	5,953	10,058	880	904	391	67	18,253
Value of -	£	£	£	£	£	£	£
Salaries and Wages Paid (b) ..	1,009,892	1,825,177	137,432	139,207	62,594	10,304	3,184,606
Fuel Used ..	17,854	35,057	2,083	2,885	1,436	173	59,488
Materials Used ..	1,797,457	3,291,947	269,231	272,064	140,011	19,315	5,790,025
Production ..	1,607,125	2,569,867	184,404	204,308	79,347	11,906	4,476,957
Output ..	3,242,436	5,896,871	455,718	479,257	220,794	31,394	10,326,470
Land and Buildings ..	479,815	664,639	34,139	61,295	44,111	6,000	1,289,999
Plant and Machinery ..	(c) 269,012	452,003	66,964	56,320	39,984	2,011	(c) 886,514
H.P. of Engines Ordinarily in use ..	2,697	4,578	250	444	255	24	8,248
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.

(a) Includes Working Proprietors. (b) Exclusive of amounts drawn by Working Proprietors. (c) Not including £276,350 the estimated value of rented Plant and Machinery.

Particulars of the average salary and wage paid together with the average values per employee of output and production are shown in the following table for each of the years indicated:-

3. AVERAGE SALARIES AND WAGES PAID, OUTPUT ETC. PER EMPLOYEE : AUSTRALIA, 1936-37 TO 1940-41.

Year	Salaries and Wages per Employee (a)	Value of Output per Person Engaged (b)	Value of Production per Person Engaged (b)	Ratio per cent of Salaries and Wages to Value of Production
	£	£	£	%
1936-37	138	448	192	70.19
1937-38	150	474	212	69.40
1938-39	156	485	214	71.23
1939-40	160	505	224	70.27
1940-41	178	566	245	71.13

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

Particulars of the materials used and articles produced in Boots and Shoes factories during 1939-40 and 1940-41 are shown in the following table. The quantities and values shown here are those furnished by the establishments included in this Summary only. The figures do not include similar materials used and articles produced in establishments not classified as Boots and Shoes factories.

4. MATERIALS USED AND ARTICLES PRODUCED IN AUSTRALIA

Particulars	Unit of Quantity	Quantity		Value	
		1939-40	1940-41	1939-40	1940-41
Materials Used:					
Leather, Sole	.. lb.	20,492,276	24,236,138	1,401,871	1,826,546
Upper	.. sq.ft.	34,655,685	35,292,198	1,985,804	2,150,081
"	.. lb.	179,272	178,697	13,968	19,122
Felt Piece Goods	.. sq.yd.	726,288	808,631	173,481	200,047
Other Materials, Grindery etc.	.. -	(c)	(c)	1,397,099	1,372,026
Total Value Materials Used:		-	-	4,972,223	5,574,822
Articles Produced:					
Boots, Leather - Men's (b)	.. pair	2,701,661	3,310,377	1,446,383	2,061,758
Women's	.. "	17,626	8,081	13,332	6,952
Children's	.. "	179,578	125,550	72,610	53,616
Shoes, Leather - Men's (c)	.. "	2,956,212	2,896,854	1,737,963	1,754,179
Women's	.. "	5,803,314	5,778,472	3,465,493	3,611,664
Children's	.. "	2,397,626	2,198,265	682,611	607,176
Boots and Shoes, Other than Leather -					
Men's	.. "	57,306	49,549	23,653	18,499
Women's	.. "	643,639	430,551	280,512	190,992
Children's	.. "	143,846	393,146	34,811	147,364
Slippers, Felt - Men's (d)	.. "	921,370	824,345	134,002	130,912
Women's	.. "	3,660,390	4,066,351	393,605	475,498
Children's	.. "	1,001,496	821,579	69,978	56,503
Slippers, Leather - Men's (d)	.. "	683,573	668,175	156,906	170,594
Women's	.. "	1,661,970	1,732,222	264,008	286,130
Children's	.. "	240,699	210,533	23,282	24,173
Uppers made for sale	.. "	132,886	65,250	25,019	16,594
Soles made for sale - Leather	.. "	580,206	1,320,630	26,983	60,414
Boot and Shoe Accessories	.. -	(e)	(a)	(c) 4,110	(e) 10,373
Other Articles including value of other work done	.. -	(e)	(a)	529,339	623,079
Total Value of Output:		-	-	9,384,600	10,326,470

(a) Quantity not collected. (b) Includes some Men's, Women's and Children's Leather Boots and Shoes for which separate details are not available. In 1939-40 these numbered 1,059,263 pairs valued at \$507,000 and in 1940-41, 1,026,842 pairs valued at \$591,392. (c) Includes some Men's, Women's and Children's Leather Shoes for which separate details are not available. In 1939-40 these numbered 89,981 pairs valued at \$35,659 and in 1940-41, 96,544 pairs valued at \$48,272. (d) Includes some Women's and Children's Leather Slippers. (e) Not including the production of Boot and Shoe Accessories Factories which was valued at \$261,025 in 1939-40 and \$326,443 in 1940-41.

The quantities and values of Boots and Shoes and Slippers made in Australia over a series of years are given in the next table.

5. BOOTS, SHOES, AND SLIPPERS MADE IN AUSTRALIA - 1931-32 TO 1940-41.

Year	Boots and Shoes		Slippers	
	Quantity	Value	Quantity	Value
1931-32	12,049,388	5,422,869	4,659,667	588,308
1932-33	13,240,125	5,427,875	4,591,285	500,846
1933-34	13,755,091	5,634,037	5,716,266	614,958
1934-35	14,236,677	5,733,138	5,888,537	645,183
1935-36	14,714,123	6,088,358	6,651,229	845,802
1936-37	14,498,327	6,356,182	7,736,646	851,109
1937-38	14,094,098	6,837,462	8,225,744	953,131
1938-39	13,954,154	6,887,903	7,704,292	924,021
1939-40	14,900,808	7,757,368	8,169,498	1,041,781
1940-41	15,192,845	8,472,200	8,325,305	1,143,810

The number of persons employed shown in Tables 1, 2 and 7 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 according to the average number employed during the actual period worked.

6. FACTORIES CLASSIFIED ACCORDING TO HANDS EMPLOYED, AUSTRALIA, 1939-41 TO 1940-41.

Number of Persons Employed in each Factory	1939-41		1937-38		1936-39		1939-40		1940-41	
	Number of Factories	Number Employed	Number of Factories	Number Employed	Number of Factories	Number Employed	Number of Factories	Number Employed	Number of Factories	Number Employed
Under 4	43	91	46	102	51	107	50	106	43	86
4	10	40	11	44	14	56	9	36	20	80
5 to 10	58	419	44	308	34	288	42	294	35	258
11 to 20	38	580	40	607	38	575	38	553	35	534
21 to 50	82	2,889	68	2,207	69	2,309	74	2,448	71	2,236
51 to 100	43	3,095	50	3,654	47	3,471	54	4,058	57	4,102
Over 100	40	7,065	50	9,601	53	10,554	53	11,180	56	11,024
TOTAL:	314	14,179	307	16,603	311	17,464	320	18,675	317	18,370
Average Number employed per factory		45		55		56		58		58

Further details of employment in the Boot and Shoe Industry are furnished in the next three tables. In the first the persons employed have been classified according to the nature of their employment.

7. PERSONS EMPLOYED CLASSIFIED ACCORDING TO GRADE OF OCCUPATION, AUSTRALIA, 1939-41 TO 1940-41.

Grade of Occupation	1939-41	1937-38	1936-39	1939-40	1940-41
	No.	No.	No.	No.	No.
Working Proprietors	354	340	337	342	335
Managers and Overseers	454	406	423	445	477
Clerical Staff	501	522	542	564	614
Engine Drivers and Firemen	14	25	22	23	19
Workers, Skilled and Unskilled	12,453	15,353	15,868	17,139	16,743
Other (Carters and Messengers)	130	107	71	74	65
TOTAL:	13,906	16,753	17,263	18,587	18,253

The next table shows the actual number of persons employed (excluding Working Proprietors) on the pay day nearest to the 15th of each month for the years 1939-40 and 1940-41.

8. PERSONS EMPLOYED ON PAY DAY NEAREST TO THE 15TH OF EACH MONTH, AUSTRALIA, (Working Proprietors Excluded)

Month	1939-40			1940-41		
	Males	Females	Total	Males	Females	Total
	No.	No.	No.	No.	No.	No.
July	8,411	9,008	17,414	8,170	8,721	16,891
August	8,561	9,216	17,777	8,423	9,009	17,432
September	8,617	9,363	17,980	8,635	9,268	17,903
October	8,901	9,730	18,631	8,761	9,500	18,261
November	9,131	9,978	19,109	8,773	9,664	18,437
December	8,996	9,724	18,720	8,733	9,347	18,080
January	8,402	8,948	17,350	8,539	8,798	17,337
February	8,779	9,474	18,253	8,575	9,188	17,763
March	8,790	9,663	18,453	8,562	9,237	17,799
April	8,743	9,571	18,314	8,512	9,113	17,625
May	8,694	9,430	18,124	8,789	9,522	18,311
June	8,360	8,922	17,282	8,266	8,712	16,978
Average:	8,699	9,420	18,119	8,619	9,261	17,880

A classification of the number of employees according to age on or about the 15th June, 1941, is shown in the next table:-

9. PERSONS EMPLOYED CLASSIFIED ACCORDING TO AGE : JUNE, 1941.

Sex	Under 16 Years	16 and under 21 years	Adults	Total
Males	No. 454	No. 1,237	No. 7,275	No. 8,966
Per Cent. of Total	5%	14%	81%	100%
Females	893	2,614	6,205	9,712
Per Cent. of Total	9%	27%	64%	100%
Persons	1,347	3,851	13,480	18,678
Per Cent. of Total	7%	21%	72%	100%

Statistics of the power equipment of the factories included in this group are given in the next table. The details given include the rated horse-power of engines ordinarily in use, together with those in reserve or idle, for the years 1939-40 and 1940-41.

10. POWER EMPLOYED TO DRIVE MACHINERY : AUSTRALIA

Class of Engine	Rated H.P. of Engines			
	Ordinarily in Use		In Reserve or Idle	
	1939-40	1940-41	1939-40	1940-41
Steam - Reciprocating	260	265	10	10
Turbines	-	-	-	-
Internal Combustion -				
Gas	213	213	-	-
Petrol or Other Light Oils	99	69	50	40
Heavy Oils	420	435	91	36
Water	-	-	-	-
Total Prime Movers:	992	982	151	86
Motors driven by electricity -				
Purchased	6,645	7,266	324	328
Own Generation	189	57	32	-
Total Electricity:	6,834	7,323	356	328
<u>TOTAL POWER USED (a):</u>	7,637	8,248	507	414

(a) Without duplication.

Details of the quantities and values of the various items of power, fuel and light used in Boot and Shoe Factories are shown in the following table:-

11. POWER, FUEL AND LIGHT, ETC. USED : AUSTRALIA, 1940-41.

Particulars	Unit of Quantity	Quantity	Value £
Coal - Black	ton	269	496
Brown	"	137	221
Coke	"	1,101	1,554
Wood	"	14	11
Fuel Oil	gallon	45,387	1,496
Electricity	-	162,609	41,208
Gas	-	(a)	8,080
Other (Charcoal, etc.)	-	(a)	100
Water used	-	(a)	4,168
Lubricating Oil	-	(a)	2,054
TOTAL:		Value Only	59,488

(a) Value only available

Particulars of the book values of premises occupied and plant used in Boot and Shoe Factories at the 30th June for each of the five years ended 1941 are shown in the next table. In addition, details of the values of additions and replacements made and depreciation allowed during the year 1940-41 are also shown. It should be noted that the amounts expended in Additions and Replacements refer to expenditure incurred by existing factories and do not include the cost of erecting and equipping new factories; these latter items, however, are included with the book values shown at 30th June. The amounts shown for Depreciation are those returned by factories. Changes in the number of factories operating and other factors affect comparison from year to year.

12. VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY: AUSTRALIA, 1940-41.

Particulars		Land and Buildings	Plant and Machinery (c)
		£	£
Additions and Replacements made during year (b)	..	23,880	75,307
Depreciation allowed during year (b)	..	7,107	79,001
Book value (b) as at 30th June -			
1941	..	1,259,999	856,514
1940	..	1,258,727	920,206
1939	..	1,192,496	864,209
1938	..	1,159,868	858,504
1937	..	1,220,779	811,068

(c) Not including the value of rented plant and machinery in New South Wales which, in 1940-41 was estimated at £276,350. (b) See Note above.

The values of imports and exports of Boots and Shoes are given in the following table:-

13. IMPORTS AND EXPORTS OF BOOTS AND SHOES: AUSTRALIA, 1928-29 TO 1940-41.

Particulars	1928-29	1930-31	1938-39	1939-40	1940-41
IMPORTS					
Boots and Shoes -	£.	£.	£.	£.	£.
Men's ..	58,405	3,660	20,897	13,074	5,843
Women's and Children's ..	219,957	30,155	60,223	44,134	7,897
Slippers, Clogs, etc. ..	87,774	5,012	47,790	39,746	5,617
Slipper forms, etc. ..	87,840	61,893	70,967	95,335	72,692
Footwear with Textile Uppers ..	49,673	6,613	19,929	9,165	148
Galoshes, Rubber Sand Shoes, Gum and Wading Boots ..	94,377	2,818	4,950	2,941	208
Other ..	-	-	7,690	6,096	1,024
TOTAL	598,026	110,151	232,436	210,491	100,000
EXPORTS					
Boots and Shoes ..	£.	£.	£.	£.	£.
	18,273	24,153	22,951	36,846	46,668

The following table shows the weekly minimum rates of wage and hours of labour in operation at 30th June, 1941, as prescribed by Commonwealth and State Industrial Tribunals. Where no rate is shown it indicates that the particular occupation is not specifically provided for.

BOOTS AND SHOES

Minimum Weekly Rates of Wages and Hours of Labour as at 30th June, 1941.

Occupation	New South Wales		Victoria		Queensland		South Australia		Western Australia		Tasmania	
	Hrs	Weekly Wage	Hrs	Weekly Wage	Hrs	Weekly Wage	Hrs	Weekly Wage	Hrs	Weekly Wage	Hrs	Weekly Wage
COMMONWEALTH COURT AWARD												
Adult Males ..	44	108/6 to 117/6	44	108/6 to 117/6	44	108/6 to 117/6	44	108/6 to 117/6	44	104/-	44	108/6 to 117/6
Adult Females - (b) ..	44	108/6 to 117/6	44	108/6 to 117/6	44	108/6 to 117/6	44	108/6 to 117/6	..	..	44	108/6 to 117/6
(c) ..	44	60/3 to 73/-	44	60/3 to 73/-	44	60/3 to 73/-	44	60/3 to 73/-	44	55/2	44	60/3 to 73/-
Apprentices and Probationers -	Minimum rates of wages (ranging from 20/- to 70/-) based on age and experience and a 44 hour week are provided for male apprentices and probationers.											
Females -												
1st 6 months ..	44	20/-	44	20/-	44	20/-	44	20/-	44	16/8	44	20/-
2nd " " ..	44	22/6	44	22/6	44	22/6	44	22/6	44	18/1	44	22/6
3rd " " ..	44	25/6	44	25/6	44	25/6	44	25/6	44	20/11	44	25/6
4th " " ..	44	29/-	44	29/-	44	29/-	44	29/-	44	22/10	44	29/-
5th " " ..	44	33/-	44	33/-	44	33/-	44	33/-	44	26/7	44	33/-
6th " " ..	44	37/6	44	37/6	44	37/6	44	37/6	44	30/5	44	37/6
7th " " ..	44	42/6	44	42/6	44	42/6	44	42/6	44	37/5	44	42/6
8th " " ..	44	48/-	44	48/-	44	48/-	44	48/-	44	41/4	44	48/-
9th " " ..	44	60/3	44	60/3	44	60/3	44	60/3	44	55/2	44	60/3
10th " " ..	44	60/3	44	60/3	44	60/3	44	60/3	44	55/2	44	60/3
STATE AWARDS (CAPITAL CITIES)												
Bespoke Bootmaking and Repairing - Journeymen ..	44	112/6	44	104/-	44	99/9	44	106/-	44	108/-	44	108/-
Probationers and Apprentices -												
1st year's exper. ..	44	25/9	..	(d)	..	(d)	..	(d)	..	(d)	..	(d)
2nd " " ..	44	33/3	..	..	..	..	..	..	..	..	..	..
3rd " " ..	44	43/9	..	..	..	..	..	..	..	..	..	..
4th " " ..	44	53/6	..	..	..	..	..	..	..	..	..	..
5th " " ..	44	65/6	..	..	..	..	..	..	..	..	..	..
1st half year ..	44	87/-	..	..	..	..	..	..	..	..	..	..
2nd " " ..	..	..	..	..	..	..	..	..	..	..	..	..
Females -												
Under 16 years of age ..	..	..	44	22/6	..	..	..	..	..	..	..	..
16 & under 17 years ..	..	..	44	25/-	..	..	..	..	..	..	..	..
17 " " 18 " ..	..	..	44	27/9	..	..	..	..	..	..	..	..
18 " " 19 " ..	..	..	44	30/3	..	..	..	..	..	..	..	..
19 " " 20 " ..	..	..	44	33/9	..	..	..	..	..	..	..	..
20 " " 21 " ..	..	..	44	36/3	..	..	..	..	..	..	..	..

(a) State Award.

(b) Females employed clicking, stuff cutting, stuff fitting or preparing for makers or making or finishing, including the following operations in the making of slippers: Turning, bottom levelling, wood heeling, blocking, stemming and ironing on the last.

(c) Females in all States excepting Western Australia with four years' experience employed in making (excepting operations set out in (b)).

(d) Junior workers according to age and experience (44 hour week).

Under Commonwealth Court awards junior females may be employed in (c) at the rates specified.