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OFFICIAL STATISTICS, COMMONWEALTH OF AUSTRALIA.

MANUFACTURING INDUSTRIES,
1936-37.

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

As a result of the deliberations of the Conference of Commonwealth and State Statisticians held in March, 1937, the statistics of factory production in Australia have been considerably extended, and a much greater degree of uniformity has been attained than in previous years. In consequence a more comprehensive analysis of the manufacturing industries is now possible.

While continuing to publish these statistics in the Official Year Book and the Production Bulletin, it is proposed to publish the details for the more important industries as soon as they become available in a series of special reports.

This is the eighteenth of the series, and it refers to the operations of establishments engaged in the manufacture of Boots and Shoes. Similar reports for other industries will follow as the tabulations are completed. A list of those already issued is given in the footnote hereunder while the complete list of the industries it is proposed to include in these Reports is given on the back cover.

The improvements in the scope and uniformity of the factory statistics have only been made possible by the ready co-operation and assistance of the manufacturers of Australia and the Statisticians of the several States.

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Canberra, A.C.T.
12th September, 1938.

NOTE: Previously issued:
1, 2, 18, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16.

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. BOOTS AND SHOES - AUSTRALIA, 1930-31 TO 1936-37.

Year	Number of Factories	Persons Employed (a)	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
1930-31	314	13,906	2,110	50	3,149	3,102	6,301
1931-32	313	14,300	1,997	53	3,153	2,850	6,056
1932-33	308	14,955	1,922	52	3,221	2,760	6,033
1933-34	309	15,690	2,002	57	3,581	2,758	6,395
1934-35	304	16,147	2,038	51	3,537	2,969	6,557
1935-36	308	16,442	2,107	51	3,924	3,132	7,107
1936-37	312	16,497	2,220	51	4,181	3,162	7,394

(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 1936-37.

2. BOOTS AND SHOES - STATES, 1936-37.

Particulars	New South Wales	Victoria	Queens-land	South Aus-tralia	Western Aus-tralia	Tas-mania	AUSTRALIA
	No.	No.	No.	No.	No.	No.	No.
Number of Factories	92	165	22	16	13	4	312
Number Employed (a)-							
Males	2,592	4,610	457	304	216	46	8,225
Females.. ..	2,700	4,752	421	241	132	26	8,272
Total	5,292	9,362	878	545	348	72	16,497
	£.	£.	£.	£.	£.	£.	£.
Value of -							
Salaries and Wages Paid (b) ..	719,054	1,278,177	108,494	63,959	40,810	9,332	2,219,826
Fuel used ..	15,040	30,388	2,001	1,828	1,122	272	50,651
Materials used ..	1,329,117	2,440,831	194,793	111,993	89,361	15,245	4,181,340
Production ..	1,043,635	1,617,212	151,673	78,589	60,181	11,094	3,162,384
Output	2,387,792	4,288,431	348,467	192,410	150,664	26,611	7,394,375
Land and Buildings	423,776	607,009	62,630	72,417	45,747	9,200	1,220,779
Plant and Machinery	225,455	438,982	93,027	23,715	23,549	6,320	811,048
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
H.P. of Engines Ordinarily in use ..	2,133	3,039	311	294	214	50	6,041

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

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

3. AVERAGE SALARIES AND WAGES PAID, OUTPUT, ETC. PER EMPLOYEE -
AUSTRALIA, 1930-31 TO 1936-37.

Year	Salaries and Wages per Employee (a)	Value of Output per Person Engaged (b)	Value of Production per Persons Engaged (b)	Ratio per cent of Salaries and Wages to Value of Production
	£.	£.	£.	%
1930-31	156	453	223	68.00
1931-32	143	423	199	70.10
1932-33	132	403	185	69.63
1933-34	131	408	176	72.59
1934-35	129	406	184	68.65
1935-36	131	432	191	67.25
1936-37	138	448	192	70.19

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

In the following table details are given of the quantities and values of materials used and articles produced in Boot and Shoe factories during 1936-37.

4. MATERIALS USED AND ARTICLES PRODUCED - AUSTRALIA, 1936-37.

Particulars	Unit of Quantity	Quantity	Value £.
<u>Materials Used:</u>			
Leather, Sole ..	lb.	19,909,218	1,438,168
Upper ..	sq.ft.	31,389,479	1,839,269
Felt Piece Goods	sq.yd.	528,953	119,324
Other Materials, Grindery, etc.	..	(d)	(a) 490,837
<u>Articles Produced:</u>			
Boots, Leather - Men's	pair	(b)2,285,601	(b)1,082,004
Women's	"	(c) 371,815	(c) 177,781
Children's	"	(c) 190,911	(c) 65,543
Shoes, Leather - Men's	"	(c)3,140,107	(c)1,531,795
Women's	"	(c)5,314,448	(c)2,725,584
Children's	"	(c)2,005,042	(c) 452,902
Boots and Shoes, Other than Leather-			
Men's	"	43,225	14,905
Women's	"	597,268	205,131
Children's	"	555,963	106,374
Slippers, Felt - Men's	"	489,554	69,120
Women's	"	2,625,841	245,854
Children's	"	1,182,727	58,040
Slippers, Leather -			
Men's	"	1,380,517	223,531
Women's	"	1,842,429	237,324
Children's	"	181,151	18,316
Uppers made for sale	"	141,292	30,517
Soles made for sale	"	1,767,572	87,684
Boot and Shoe Accessories	"	(d)	197,069

(a) Incomplete. (b) Includes a number of Mens' Shoes and Womens' and Childrens' Boots and Shoes for which separate details are not available. (c) See note (b). (d) Quantity not collected.

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,

5. BOOTS, SHOES, AND SLIPPERS MADE - AUSTRALIA,
1907 TO 1936-37.

Year	Boots and Shoes		Slippers	
	Quantity	Value	Quantity	Value
	pair	£.	pair	£.
1907	10,035,173	2,775,313	794,450	88,448
1913	10,380,595	3,835,278	635,828	60,586
1920-21	10,305,367	7,336,514	1,140,632	206,493
1925-26	13,237,301	7,952,821	2,722,365	450,503
1926-27	13,806,414	8,772,718	3,631,786	471,254
1927-28	13,195,052	8,664,547	3,335,907	509,891
1928-29	13,184,778	8,683,024	3,918,247	599,953
1929-30	12,895,383	7,857,517	3,717,973	547,215
1930-31	11,129,801	5,751,604	4,183,174	468,261
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	14,504,380	6,362,019	7,702,219	852,185

The following table furnishes details of the number of factories and the number employed in each State in the Boot and Shoe Industry. For statistical purposes a factory is defined as an industrial establishment in which four or more hands are employed, or in which power other than hand is used.

6. FACTORIES AND EMPLOYMENT - STATES, 1936-37.

State	Number of Factories	Number employed (Average over whole year)		
		Males	Females	Total
New South Wales ..	92	2,592	2,700	5,292
Victoria ..	165	4,610	4,752	9,362
Queensland..	22	457	421	878
South Australia ..	16	304	241	545
Western Australia ..	13	216	132	348
Tasmania ..	4	46	26	72
TOTAL:	312	8,225	8,272	16,497

The number of employees in the previous table 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.

7. FACTORIES CLASSIFIED ACCORDING TO HANDS EMPLOYED - AUSTRALIA,
1930-31 TO 1936-37.

Number of Persons Employed in each Factory	1930-31		1933-34		1934-35		1935-36		1936-37	
	Number of Fac-tories	Number Em-ployed	Number of Fac-tories	Number Em-ployed	Number of Fac-tories	Number Em-ployed	Number of Fac-tories	Number Em-ployed	Number of Fac-tories	Number Em-ployed
Under 4	43	91	36	76	41	85	47	104	50	113
4	10	40	13	52	10	40	8	32	13	52
5 to 10	58	419	63	440	51	371	57	417	46	315
11 to 20	38	580	34	490	40	598	36	549	39	596
21 to 50	82	2,889	66	2,308	66	2,269	67	2,306	67	2,280
51 to 100	43	3,095	51	3,772	49	3,636	43	3,290	46	3,367
Over 100	40	7,065	46	8,774	47	9,326	50	9,900	51	9,989
TOTAL:	314	14,179	309	15,912	304	16,325	308	16,598	312	16,712
Average number employed per factory:	45		51		54		54		54	

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

8. PERSONS EMPLOYED CLASSIFIED ACCORDING TO GRADE OF OCCUPATION - AUSTRALIA, 1930-31 TO 1936-37.

Grade of Occupation	1930-31	1933-34	1934-35	1935-36	1936-37
Working Proprietors ..	354	370	367	360	355
Managers and Overseers ..	454	405	400	431	387
Clerical Staff ..	501	514	515	518	517
Engine Drivers and Firemen ..	14	22	22	22	19
Workers, Skilled and Unskilled	12,453	11,299	11,763	15,021	15,135
Other (Carters and Messengers)	130	80	80	90	84
TOTAL:	13,906	15,690	16,147	16,442	16,497

Information collected from factories was extended in 1936-37 to include details of the number employed (excluding Working Proprietors) on the pay-day nearest to the 15th of each month.

9. PERSONS EMPLOYED ON PAY-DAY NEAREST TO THE 15TH OF EACH MONTH - AUSTRALIA, 1936-37.
(Working Proprietors Excluded)

Month	Males	Females	Total	Month	Males	Females	Total
1936 -	No.	No.	No.	1937 -	No.	No.	No.
July ..	7,365	7,663	15,068	January	6,840	6,802	13,642
August ..	7,672	4,959	15,631	February	7,851	7,988	15,839
September	7,994	8,444	16,438	March ..	8,026	8,361	16,387
October ..	8,180	8,648	16,828	April ..	8,156	8,499	16,655
November	8,229	8,726	16,955	May ..	8,192	8,566	16,758
December	7,575	7,769	15,344	June ..	7,924	8,446	16,370

A classification of the number of employees according to age on or about the 15th June, 1937 is shown in the next table:-

10. PERSONS EMPLOYED CLASSIFIED ACCORDING TO AGE - JUNE, 1937.

Sex	Under 16 years	16 and under 21 years	Adults	Total
	No.	No.	No.	No.
Males	455	1,224	6,245	7,924
Per Cent of Total	6%	15%	79%	100%
Females	1,036	2,363	5,047	8,446
Per Cent of Total	12%	28%	60%	100%
Persons	1,491	3,587	11,292	16,370
Per Cent of Total	9%	22%	69%	100%

Statistics of the power equipment of the factories included in this group are now obtained in more extensive detail than hitherto. On account of the change from average horsepower used to rated horsepower of engines installed, however, comparison with previous years cannot be made.

11. POWER EMPLOYED TO DRIVE MACHINERY - AUSTRALIA, 1936-37.

Class of Engine	Rated H.P. Ordinarily in Use
Steam - Reciprocating ..	60
Turbine	120
Internal Combustion -	
Gas	250
Petrol or Other Light Oils ..	30
Heavy Oils	556
Water	-
Total Prime Movers ..	1,016
Motors driven by electricity -	
Purchased	5,025
Own Generation	159
Total Electricity	5,214
TOTAL POWER USED (a):	6,041

(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:-

12. POWER, FUEL AND LIGHT, ETC. USED - AUSTRALIA, 1936-37.

Particulars	Unit of Quantity	Quantity	Value £.
Coal - Black ..	Ton	549	850
Brown ..	"	155	194
Coke ..	"	812	1,212
Wood ..	"	75	58
Fuel Oil ..	Gallon	45,902	1,040
Electricity ..	-	(a)	34,839
Gas ..	-	(a)	7,782
Other (Charcoal, etc.) ..	-	(a)	126
Water used ..	-	(a)	2,810
Lubricating Oil ..	-	(a)	1,740
TOTAL:		..	50,651

(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 1937 are shown in the next table. In addition, details of the values of additions and replacements made and depreciation allowed during the year 1936-37 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 affect comparison from year to year.

13. VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY - AUSTRALIA, 1936-37.

Particulars	Land and Buildings £.	Plant and Machinery £.
Additions and Replacements made during year (a)	16,127	52,278
Depreciation allowed during year (a) ..	15,529	48,449
Book Value (a) as at 30th June -		
1937 ..	1,220,779	811,048
1936 ..	1,240,952	750,169
1935 ..	1,211,831	724,342
1934 ..	1,262,396	699,941
1933 ..	1,271,160	709,510

(a) See Note above.

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

14. IMPORTS AND EXPORTS OF BOOTS AND SHOES - AUSTRALIA, 1928-29 TO 1936-37.

Particulars	1928-29	1930-31	1934-35	1935-36	1936-37
<u>IMPORTS.</u>					
Boots and Shoes -	£A.	£A.	£A.	£A.	£A.
Men's ..	58,405	3,660	8,101	10,536	14,984
Women's and Children's ..	219,957	30,155	30,467	39,394	23,185
Slippers, Clogs, etc. ..	87,774	5,012	9,519	9,440	12,535
Slipper forms, etc. ..	87,840	61,693	175,309	121,833	71,123
Footwear with Textile Uppers ..	49,673	6,613	3,447	3,283	4,395
Goloshes, Rubber Sand Shoes, Gum and Wading Boots ..	94,377	2,818	1,305	3,662	3,452
Other ..	-	-	2,752	3,309	5,547
TOTAL:	598,026	110,151	230,900	191,457	135,221
<u>EXPORTS.</u>					
Boots and Shoes ..	£A.	£A.	£A.	£A.	£A.
	18,273	24,153	64,857	54,592	60,035