

Commonwealth Bureau of Census and Statistics
OFFICIAL STATISTICS, COMMONWEALTH OF AUSTRALIA

MANUFACTURING INDUSTRIES

1946-47.

No. 28. SAWMILLING.

SUMMARY

PREFACE

1. GENERAL: The Industries included in this series are listed on the back of the cover page. The include those listed for the same series for 1945-46 together with the following additions to 1946-47, viz., Aerated Waters and Cordials and Meat and Fish Preserving.

Those Summaries already issued are Nos. 1. Cement and Cement Goods, 2. Bricks, Pottery and Earthenware, 3. Chemicals, Drugs and Medicines, 4. White Lead, Paints and Varnish, 5. Chemical Fertilizers, 6. Soap and Candles, 7. Engineering, 8. Extracting and Refining of Metals and Alloy other than Iron and Steel, 9. Electrical Machinery and Equipment, 10. Motor Vehicles and Cycles, 11. Agriculture Implements, 12. Wireless Apparatus, 13. Stoves, Ovens and Ranges, 14. Woollen Mills, 15. Hosiery and Other Knitted Goods, 16. Tanneries, 17. Boots and Shoes, 18. Clothing, 19. Flour Mills, 20. Biscuits, 21. Confectionery, 25. Butter, Cheese and Condensed, Concentrated, etc., Milk, 30. Rubber Works, 32. Electric Light and Power Works, 34. Cotton Mills, 35. Paper Mills, 36. Wineries and Distilleries.

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 important in the case of Sawmills, the industry with which this summary is concerned.

This summary, owing to the change in classification adopted in 1945-46, contains details of both Forest and Town Sawmill operations. In years prior to 1945-46 it was concerned solely with Forest Sawmills but because of difficulties in correctly classifying sawmills into these two groups, it was decided to amend the classification to include them under the one group viz., "Sawmills". The particulars included in this summary generally omit details of other industries treating and producing similar articles such as Plywood Mills, Joinery Works, Coopers Boxes and Cases and Woodturning and Wood Carving, but in Tables VI and VII the relevant details of output of sawn timber and other articles in these establishments have been included.

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 as well as "outworkers".

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, and represents the value added in the process of manufacture within the factories. As full details of the costs of production are not collected, the amount of profit resulting from operations cannot be ascertained. The value of production therefore, is the source from which such items as wages, interest, depreciation, taxation, insurance, advertising and other sundry charges are met.

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ACTING COMMONWEALTH STATISTICIAN

Canberra. A.C.T.

22nd November, 1946

1. GENERAL: As mentioned in the Preface, an amendment to the factory classification adopted in 1945-46 dispensed with the previous separate collection of statistics of forest and town sawmills. Earlier summaries relating to this industry were confined to those establishments classed as forest sawmills but as data on this basis are not available for 1945-46 and later years it has been necessary to extend this Summary to embrace statistics of all establishments classified as sawmills.

The details of sawn output of native timber in Table VI include particulars of output in sawmills and other factories, while Table VII shows separately output of the various articles listed in sawmills and in other establishments with the exception of these two tables, the particulars throughout this Summary are confined to the operations of sawmills.

2. SUMMARY OF STATISTICS: The following table furnishes a summary of the years 1938-39 and 1943-44 to 1946-47 of the principal statistics of the establishments classified as sawmills.

TABLE I : SAWMILLS : AUSTRALIA

Year	Number of Factories	Persons Employed (a)	Salaries & Wages Paid (b)	Power, Fuel and Light etc. Used	Value of Materials etc. Used (c)	Value of Production.	Value of Output
	NO.	NO.	£'000	£'000	£'000	£'000	£'000
1938-39	1,616	17,707	3,424	211	7,395	5,357	13,463
1943-44	1,572	18,788	4,782	306	10,167	7,533	18,006
1944-45	1,597	19,251	4,957	324	10,204	7,969	18,497
1945-46	1,707	20,913	5,397	350	11,285	8,406	20,041
1946-47	1,934	23,604	6,497	416	14,846	10,395	25,657

- (a) Includes Working Proprietors. (b) Excludes amounts drawn by Working Proprietors.
(c) Includes also containers, packing, etc., replacements of tools and repairs to plant.

In the following table particulars of the Industry are given for each State during the year 1946-47.

TABLE II : SAWMILLS : STATES, 1946-47

Particulars	N.S.W.	Vic.	Q'ld.	S.A.	W.A.	Tas.	Australia
	No.	No.	No.	No.	No.	No.	No.
No. of Factories	713	383	360	67	136	275	1,934
No. Employed (a)							
Males	7,000	4,957	5,306	1,553	2,370	1,809	22,995
Females	226	111	133	101	17	21	609
Total	7,226	5,068	5,439	1,654	2,387	1,830	23,604
Value of -	£.	£.	£.	£.	£.	£.	£.
Salaries and Wages Paid (b)	1,982,639	1,492,266	1,427,926	468,406	657,406	468,025	6,496,668
Power, Fuel and Light, etc. used	131,550	104,124	70,489	23,032	49,490	37,074	415,759
Materials etc., used	5,673,250	3,369,796	2,274,971	1,650,968	996,364	880,223	14,845,572
Production	3,341,019	2,445,210	2,075,977	805,455	981,377	746,281	10,396,319
Output	9,145,819	5,919,130	4,421,437	2,479,455	2,027,231	1,663,578	25,656,650
Land and Buildings	953,450	587,158	377,509	290,494	188,171	101,458	2,498,240
Plant and Machinery	1,129,631	950,416	681,021	233,822	385,618	365,030	3,745,538
H.P. of Engines ordinarily in use	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
	45,353	35,614	28,847	11,506	11,115	15,270	147,705

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

3. AVERAGE SALARIES - OUTPUT AND PRODUCTION: 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 1938-39 and 1943-44 to 1946-47.

TABLE III : 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 per cent of salaries & Wages to Value of Production %
1938-39	208	760	303	63.92
1943-44	272	958	401	63.49
1944-45	275	961	414	62.20
1945-46	276	958	402	64.20
1946-47	296	1,087	441	62.80

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

4. LOGS TREATED AND ARTICLES PRODUCED : AUSTRALIA: In the following tables details are given of the logs treated at Sawmills and the rough sawn timber produced therefrom for the year 1946-47.

TABLE IV : LOGS TREATED : SAWMILLS, 1946-47

State	Own State Origin		Imported Interstate and Overseas		Total
	Hardwood	Softwood	Hardwood	Softwood	Logs
	'000 sup.ft.	'000 sup.ft.	'000 sup.ft.	'000 sup.ft.	'000 sup.ft.
New South Wales	294,829	123,018	1,025	2,018	420,890
Victoria	333,772	10,602	(a)	(a)	345,545
Queensland	151,972	146,647	(a)	(a)	(b) 299,615
South Australia	10,771	71,930	(a)	(a)	(b) 83,114
Western Australia	296,118	3,759	-	-	299,877
Tasmania	179,677	11,876	-	-	191,553
<u>Total</u>	1,267,139	367,832	2,988	2,635	1,640,594

- (a) Not available for publication; particulars are included in totals.
 (b) Includes details of imported logs treated.

TABLE V : ROUGH SAWN TIMBER PRODUCED : SAWMILLS, 1946-47

State	Own State Origin		Imported Interstate and Overseas		Total
	Hardwood	Softwood	Hardwood	Softwood	Logs
	'000 sup.ft.	'000 sup.ft.	'000 sup.ft.	'000 sup.ft.	'000 sup.ft.
New South Wales	196,179	79,013	693	1,470	279,375
Victoria	218,326	7,356	(a)	(a)	226,471
Queensland	94,652	99,298	(a)	(a)	(b) 194,632
South Australia	6,497	34,338	(a)	(a)	(b) 41,028
Western Australia	120,356	1,744	-	-	122,100
Tasmania	96,778	6,804	-	-	103,582
<u>Total</u>	734,788	228,553	1,817	2,030	967,183

- (a) Not available for publication; particulars are included in totals.
 (b) Includes details of imported logs treated.

In the following table, details of total sawn output of native timber (including output in establishments other than those classified as sawmills) are shown for each State for the years 1938-39 and 1943-44 to 1946-47

TABLE VI : OUTPUT OF NATIVE SAWN TIMBER : SAWMILLS AND OTHER FACTORIES
(000 Super Feet)

Year	N.S.W.	Vic.	Q'ld.	S.A.	W.A.	Tas.	Australia
1938-39	179,350	120,197	193,250	14,537	125,453	84,228	717,015
1943-44	259,035	176,464	204,201	35,684	109,987	81,888	867,259
1944-45	245,975	173,619	194,138	38,418	106,029	83,775	841,954
1945-46	252,108	212,611	189,912	37,113	107,647	95,393	894,784
1946-47	300,945	253,266	219,745	46,478	124,198	105,525	1,050,157

The total production of rough sawn timber shown in the two preceding tables embraces that sawn on commission, timber which is either sold or added to stocks and timber used in sawmills and other establishments for the production of the articles listed in the following table.

TABLE VII : OTHER ARTICLES PRODUCED IN SAWMILLS & OTHER FACTORIES : AUSTRALIA
1946-47

Particulars	Unit of Quantity	Quantity Produced -		
		In Sawmills	Other Factories (a)	Total
Hewn Timber:				
Piles, poles, spars, logs, etc.	sup.ft.	1,084,517	(b)	1,084,517
Sleepers, hewn	"	(c)	-	(c)
Palings, Split	"	250,009	-	250,009
Sawn Timber:				
Sleepers sawn	sup.ft.	35,157,454	(b)	35,157,454
Palings sawn	"	8,311,941	355,493	8,667,434
Shingles sawn	"	1,608,346	-	1,608,346
Fickets	"	1,158,695	60,500	1,219,195
Floor boards - Australian timber	"	55,189,079	5,152,440	60,341,519
- Imported Timber	"	2,450,321	101,000	2,551,321
Weatherboards - Australian timber	"	14,977,183	671,350	15,648,533
- Imported Timber	"	741,193	89,600	830,793
Architraves, Skirtings & Mouldings	"	13,083,739	1,423,893	14,507,632
Plywood	sq.ft.	2,926,544	120,346,155	123,272,699
Veneers	3/16" basis			
	sq.ft.			
	1/16" basis	625,685 (d)	56,102,519	56,102,519
Timber Dressed, Other (Lining, etc.)	sup.ft.	41,983,283	2,490,427	44,473,710
Butter Boxes, incl. shooks	No.	837,552	3,487,037	4,324,589
Fruit Cases, incl. shooks	"	16,941,627	7,995,213	24,936,840
Paving Blocks	sup.ft.	488,368	-	488,368
Broom, Mop and Tool Handles	gross	11,456	88,383	99,839
Firewood	tons	335,359	53,746	389,105
Timber Kiln-dried	sup.ft.	71,065,592	2,859,877	73,925,469
Stocks as at 30th June, 1947				
Logs - Hardwood	sup.ft.	57,412,961	4,563,875	61,976,836
Softwood	"	13,151,507	2,419,896	15,571,403
Sawn Timber - Hardwood	"	73,935,051	17,665,433	91,600,484
Softwood	"	55,321,929	8,601,787	63,923,716

(a) Plywood Mills, Joinery Works, Cooperage, Box and Case Factories, Woodturning and Woodcarving Works, etc. (b) Not available for publication; Included with Sawmills. (c) Not available for publication. (d) Not available for publication; Included with other factories.

SAWMILLING (CONTINUED)

5.

5. **EMPLOYMENT:** The number of persons employed shown in Tables I, II and IX 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, in the years 1938-39, and 1943-44 to 1946-47.

TABLE VIII : FACTORIES CLASSIFIED ACCORDING TO HANDS EMPLOYED : AUSTRALIA

No. of Persons employed in each Factory	1938-39		1943-44		1944-45		1945-46		1946-47	
	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	447	1,014	397	847	396	797	425	869	480	1,047
4	146	584	139	556	116	464	124	496	172	688
5 to 10	527	3,685	513	3,707	543	3,847	556	3,956	614	4,346
11 to 20	299	4,304	340	4,818	362	5,193	387	5,404	412	5,873
21 to 50	144	4,348	124	3,732	113	3,348	148	4,392	181	5,295
51 to 100	30	2,036	37	2,484	47	3,225	45	3,111	80	3,431
101 to 200	23	3,080	22	3,332	20	3,063	19	2,584	21	2,810
201 & over							3	687	4	897
Total	1,616	19,051	1,572	19,476	1,597	19,937	1,707	21,579	1,934	24,387
Average No. Employed per Factory	12		12		12		13		13	

Further details of employment in the Sawmilling Industry are furnished in the next four tables.

In Table IX, the numbers of males employed are shown for the years 1938-39 and 1943-44 to 1946-47, according to the nature of their employment, but because of the change in classification, which operated from 1945-46, comparison between 1945-46 and 1946-47 and earlier years is not wholly effective.

TABLE IX : MALES EMPLOYED CLASSIFIED ACCORDING TO GRADE OF OCCUPATION : AUSTRALIA

Grade of Occupation	1938-39	1943-44	1944-45	1945-46	1946-47
	No.	No.	No.	No.	No.
Males					
Working Proprietors	1,269	1,183	1,243	1,354	1,624
Managerial and Clerical Staff, including Salaried Managers and Working Directors				1,248	1,362
Chemists, Draftsmen and Other Laboratory and Research Staff	15,728	16,615	17,015	11	10
Foremen and Overseers				622	732
Workers in Factory (Skilled and Unskilled)				16,738	18,941
Carters (including Delivery only)					
Messengers and Persons Working Regularly at Home	395	374	388	324	306
Total Males	17,392	18,172	18,646	20,297	22,995
Total Females	315	616	605	616	609
Total Persons Employed	17,707	18,788	19,251	20,913	23,604

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 1945-46 and 1946-47.

TABLE X : PERSONS EMPLOYED ON PAY-DAY NEAREST TO THE 15TH OF EACH MONTH : AUSTRALIA
(Working Proprietors Excluded)

Month	1945-46			1946-47		
	Males	Females	Total	Males	Females	Total
	No.	No.	No.	No.	No.	No.
July	18,100	596	18,696	20,642	566	21,208
August	18,051	597	18,648	21,003	576	21,593
September	17,769	585	18,354	21,014	579	21,593
October	18,561	595	19,156	21,399	572	21,971
November	18,871	589	19,460	21,522	568	22,090
December	18,846	580	19,426	21,678	573	22,251
January	18,955	567	19,522	21,566	585	22,151
February	19,676	568	20,244	21,917	591	22,508
March	19,870	570	20,440	21,861	586	22,447
April	19,857	574	20,431	21,698	594	22,292
May	19,983	571	20,554	21,974	588	22,562
June	19,935	572	20,507	21,751	585	22,336

The number of persons employed in Sawmilling on or about the 15th June, 1947, are shown according to age and sex in Table XI. Owing to the change in classification which operated from 1945-46, it is not possible to give a comparison in single year groups, viz., 16 - 20 years, for previous years, but the comparison on the old basis have been retained in Table XII.

TABLE XI : DISTRIBUTION OF EMPLOYEES ACCORDING TO AGE AND SEX : AUSTRALIA : 1946-47
(Excludes Working Proprietors.)

Sex	Under 16 years	16 years	17 years	18 years	19 years	20 years	21 yrs. and over	Total
Males	235	272	409	469	416	377	19,573	21,751
Females	19	31	51	74	48	51	311	585
Persons	254	303	460	543	464	428	19,884	22,336

TABLE XII : DISTRIBUTION OF EMPLOYEES ACCORDING TO AGE AND SEX : AUSTRALIA

JUNE	Males				Females				Persons			
	Under 16 years	16 & under 21yrs.	Adults	Total	Under 16 years	16 & under 21yrs.	Adults	Total	Under 16 years	16 & under 21yrs.	Adults	Total
1939	396	2,198	13,601	16,195	19	109	178	306	415	2,307	13,779	16,501
1944	435	1,976	14,693	17,104	35	267	304	606	470	2,243	14,997	17,710
1945	364	2,016	15,538	17,918	25	246	323	594	389	2,262	15,861	18,512
1946	246	1,838	17,851	19,935	18	250	304	572	264	2,088	18,155	20,507
1947	235	1,943	19,573	21,751	19	255	311	585	254	2,198	19,884	22,336

6. **POWER EQUIPMENT:** 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.

TABLE XIII : TYPES AND RATED HORSE-POWER OF ENGINES : AUSTRALIA

Class of Engine	Rated H.P. of Engines					
	Ordinarily in use			In Reserve or Idle		
	1938-39	1945-46	1946-47	1938-39	1945-46	1946-47
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Steam - Reciprocating	38,551	38,621	39,657	2,811	3,940	3,572
Turbine	171	102	240	-	16	-
Internal Combustion -						
Gas	1,536	1,830	2,086	83	105	62
Petrol or Other Light						
Oil	7,048	9,126	12,199	316	702	944
Heavy Oil	2,771	7,407	9,271	130	516	698
Water	73	349	476	-	-	148
Total Prime Movers:	50,150	57,435	63,929	3,340	5,279	5,424
Motors driven by Electricity -						
Purchased	35,099	66,295	83,776	1,559	1,642	2,642
Own Generation	7,233	9,322	10,766	614	1,332	1,763
Total Electricity:	42,332	75,617	94,542	2,173	2,974	4,405
Total Power Used (a):	85,249	123,730	147,705	5,513	8,253	9,829

(a) Without Duplication.

7. **POWER, FUEL AND LIGHT, ETC., USED:** Details of the quantities and values of the various items of power, fuel and light used in Sawmills, are shown for the years 1938-39, 1945-46 and 1946-47 in the following table.

TABLE XIV : POWER, FUEL AND LIGHT, ETC., USED : AUSTRALIA

Particulars	Unit of Quantity	Quantity			Value		
		1938-39	1945-46	1946-47	1938-39	1945-46	1946-47
					£.	£.	£.
Power, Fuel & Light							
Coal - Black	ton	715	4,062	3,853	1,000	7,110	7,171
Brown	"	40	-	-	65	-	-
Coke	"	367	448	549	702	961	1,616
Wood	"	174,027	175,065	179,984	38,927	51,736	54,124
Fuel Oil	gallon	625,474	600,306	842,146	35,347	51,659	61,813
Tar (Fuel)	"	(a)	3,380	3,456	(b)	154	208
Electricity	-	(c)	(c)	(c)	72,072	123,414	156,684
Gas	-	(c)	(c)	(c)	1,078	1,961	574
Other (Charcoal, etc.)	-	(c)	(c)	(c)	975	21,431	26,763
Water & Lubricating Oil Used	-	(c)	(c)	(c)	60,759	91,464	106,006
Total		(c)	(c)	(c)	211,005	349,890	415,759

(a) Not available.

(b) Included with Other (Charcoal, etc.)

(c) Value only available.

8. VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY: Particulars of the book values of premises and plant used for Sawmills at the 30th June for the years 1938-39 and 1943-44 to 1946-47 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 XV : VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY, ETC. : AUSTRALIA

Year	Book Value as at 30th June(a)		Additions & 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	1,918,811	2,566,432	60,609	275,141	37,444	211,385
1943-44	1,964,262	2,899,521	61,518	335,678	39,099	256,092
1944-45	2,055,215	2,930,604	64,062	349,101	34,725	268,930
1945-46	2,239,922	3,121,804	145,457	502,519	41,206	300,820
1946-47	2,490,240	3,745,538	141,450	632,200	45,000	381,313

(a) Includes estimated value of rented Premises and Machinery.

9. EXTERNAL TRADE: The principal imports and exports of timber are given in the following tables for the years 1938-39 and 1943-44 to 1946-47.

TABLE XVI : IMPORTS OF TIMBER : AUSTRALIA

Year	For Box Making				Beams, Baulks, etc.	
	Dressed or partly Dressed		Undressed		'000 sup.ft.	£A.
	'000 sup.ft.	£A.	'000 sup.ft.	£A.		
1938-39	13,401	139,370	87,552	326,569	94,607	753,980
1943-44	34	21,612	7,245	31,396	37,204	444,740
1944-45	6,225	167,321	19,041	105,562	64,960	836,280
1945-46	9,677	201,113	2,910	86,939	92,621	1,179,170
1946-47	4,577	104,573	874	33,654	104,187	2,536,124
Year	Boards and Planks				Logs not Sawn	
	'000 sup. ft.		£A.		'000 sup.ft.	£A.
	(a)	(a)	(a)	(a)		
1938-39	(a)	(a)	(a)	(a)	165,777	603,427
1943-44	(u)	(u)	(a)	(a)	275	9,345
1944-45	(a)	(a)	(a)	(a)	1,972	36,754
1945-46	5,434	90,122	90,122	1,342	1,342	13,507
1946-47	12,346	426,110	426,110	3,960	3,960	58,598

(a) Not separately recorded

TABLE XVII : EXPORTS OF TIMBER : AUSTRALIA

Year	Logs Not Sawn and Stems in the Rough		Sleepers, Railway		Unressed Timber Other	
	Quantity	Value	Quantity	Value	Quantity	Value
	'000 sup.ft.	£A.	'000 sup.ft.	£A.	'000 sup.ft.	£A.
1938-39	8,589	145,994	24,036	337,758	35,750	448,831
1943-44	2,997	31,830	5,004	30,443	4,093	108,370
1944-45	2,023	43,750	2,734	43,346	9,727	264,829
1945-46	4,105	103,359	9,083	175,455	8,593	313,383
1946-47	6,756	147,969	8,339	220,398	14,425	422,430

10. The following table shows in respect of Sawmilling the minimum weekly rates of wage in operation at 30th June, 1947. These have been prescribed by Commonwealth and State Industrial Tribunals. Where no rate is shown it indicates that the particular occupation is not specifically provided for in the award or determination. In all cases the number of hours constituting a full week's work were 44.

TABLE XIX : MINIMUM WEEKLY RATES OF WAGE £S AT 30TH JUNE, 1947

Occupation	N.S.W. (a)	Vic. (b)	Q'ld. (d)	S.A. (f)	W.A. (g)	Tas. (h)
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Millwright	140. 0	137. 0	-	133. 0	135. 0	134. 0
Loco-engine driver	133. 6	130. 6	127. 0	129. 6	128. 0	130. 6
	and	and		and	and	and
	140. 6	137. 6		133. 6	134. 0	134. 6
Winch driver (hauling)	132. 0	129. 0	119. 0	125. 0	119. 0	126. 0
Engine driver	122. 0	122. 6	119. 0	115. 0	119. 0	116. 0
	to	to	to	to	to	to
Fireman	132. 0	134. 0	135. 0	125. 0	122. 0	126. 0
	123. 6	120. 6	117. 0	116. 6	114. 0	117. 6
	to	to		to	to	to
	138. 6	134. 0		128. 0	118. 6	127. 0
Broad axeman	139. 0	136. 0	115. 4	132. 0	134. 0	133. 0
Splitter	116. 0	113. 0	115. 4	109. 0	-	110. 0
	to	to		to		to
	120. 0	117. 0		113. 0		114. 0
Faller	125. 0	122. 0	115. 4	118. 0	127. 0	119. 0
	to	to		to		to
	139. 0	136. 0		132. 0		133. 0
Trucker	121. 0	118. 0	-	114. 0	-	115. 0
	and	and		and		and
	123..0	120. 0		116. 0		117. 0
Bullock driver	132. 0	129. 0	(e)	125. 0	129. 0	126. 0
Horsedriver	116. 0	113. 0	108. 0	109. 0	116. 0	110. 0
	to	to	to	to	to	to
	127. 0	124. 0	119. 0	120. 0	119. 0	121. 0
Hookman	118. 0	115. 0	119. 8	111. 0	115. 0	112. 0
Ordorman	124. 0	121. 0	123. 6	117. 0	-	118. 0
Tallyman	124. 0	121. 0	123. 6	117. 0	121. 6	117. 0
Rope or shoe man	130. 0	127. 0	115. 4	123. 0	126. 6	124. 0
Water dogman	122. 0	119. 0	-	115. 0	-	116. 0
River logman	116. 0	113. 0	-	109. 0	-	110. 0
Stacker	112. 0	109. 0	-	105. 0	106. 6	106. 0
	and	and		and	and	and
	117. 0	114. 0		110. 0	115. 0	111. 0
Tramway builder	117. 0	114. 0	-	110. 0	106. 6	111. 0
	and	and		and	and	and
	124. 0	121. 0		117. 0	112. 6	118. 0
Saw docter	146. 0	143. 0	141. 0	139. 0	141. 6	140. 0
Saw sharpener	128. 0	125. 0	128. 6	121. 0	125. 0	122. 0
Grinder	135. 0	132. 0	-	128. 0	-	129. 0
Fuller-out	114. 0	111. 0	116. 0	107. 0	106. 6	106. 0
	to	to	to	to	to	to
	130. 0	127. 0	123. 6	123. 0	116. 6	124. 0
Dockerman	115. 0	112. 0	-	108. 0	113. 0	109. 0
	to	to		to	to	to
	124. 0	121. 0		117. 0	118. 6	118. 0

TABLE XIX : MINIMUM WEEKLY RATES OF WAGE /S AT 30TH JUNE, 1947 (CONTINUED)

Occupation	N.S.W. (a)	Vic. (b)	Q'ld. (d)	S.A. (f)	W.A. (g)	Tas. (h)
	C. s. d.	C. s. d.	S. s. d.	C. s. d.	S. s. d.	C. s. d.
Sawyers -						
Log band	140. 0	137. 0	135. 4	133. 0	135. 0	134. 0
Roller re-cut band	125. 0	122. 0	126. 0	118. 0	-	119. 0
to	133. 0	130. 0		126. 0		127. 0
Stave cutting	132. 0	129. 0	-	125. 0	-	126. 0
Flotching frame	128. 0	125. 0	-	121. 0	135. 0	122. 0
Gang frame	125. 0	122. 0	119. 0	118. 0	-	119. 0
No. 1 benchman	140. 0	137. 0	131. 0	133. 0	135. 0	134. 0
No. 2 "	132. 0	129. 0	126. 0	125. 0	129. 0	126. 0
No. 3 "	124. 0	121. 0	119. 8	117. 0	121. 6	118. 0
No. 4 "	116. 0	113. 0	-	109. 0	114. 0	110. 0
Crosscut	118. 0	115. 0	119. 0	111. 0	109. 6	112. 0
and	125. 0	122. 0		118. 0		119. 0
Band or jog	129. 0	126. 0	119. 8	122. 0	-	123. 0
and	132. 0	129. 0	135. 4	125. 0		126. 0
Edger	132. 0	129. 0	-	125. 0	-	126. 0
Breaker down	125. 0	122. 0	123. 6	118. 0	125. 0	119. 0
to	130. 0	127. 0		123. 0		124. 0
Frame	122. 0	119. 0	123. 6	115. 0	-	116. 0
and	126. 0	123. 0		119. 0		120. 0

C. denotes Commonwealth Court Award. S. denotes State Award.

(a) Country Districts Rates. Sydney, Newcastle, Wollongong districts 3/- per week higher.
 (b) Country Districts Rates. Melbourne, Geelong, Warrnambool, Mildura and Gippsland districts 3/- per week higher. Yallourn 9/6d. per week higher. (d) Southern Division, Eastern District Rates. Mackay and Northern Division respectively approximately 5/6 to 10/- per week higher. (e) 108/- per week plus one shilling per week for each bullock driven. (f) Country Districts Rates. Adelaide, Whyalla and Iron Knob districts 3/- per week higher. (g) South West Land Division. (h) Country Districts Rates. Hobart district 3/- per week higher.

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COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

CANBERRA. A.C.T.

22ND NOVEMBER, 1948