

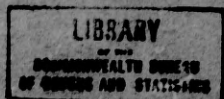
Commonwealth Bureau of Census and Statistics.

CANBERRA.

OFFICIAL STATISTICS, COMMONWEALTH OF AUSTRALIA.

MANUFACTURING INDUSTRIES,

1944-45.



No. 21. CONFECTIONERY.

18 FEB 1947

**PREPARED UNDER INSTRUCTIONS FROM THE
RIGHT HONORABLE THE TREASURER.**

BY

**ROLAND WILSON, C.B.E., B. Com., D. Phil., Ph. D.,
COMMONWEALTH STATISTICIAN.**

PREFACE

- CONFECTIONERY -

1. GENERAL: The publication of these surveys which cover 33 industries is being resumed following a period of suspension during the war. The previous issue respecting Confectionery related to the year 1939-40. All Manufacturing Industry Summaries for the year 1944-45 have now been issued with the following exceptions:- Nos. 19. Flour Mills, 22. Jam, Fruit etc., 23. Pickles, Sauces, etc., 24. Bacon Curing, 26. Breweries, 27. Tobacco, Cigars and Cigarettes, 29. Rope and Cordage, 31. Brooms and Brushes, 32. Electric Light and Power Works, 33. Gas Works.
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, Food 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 these 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 Confectionery, the industry with which this summary is concerned. It should be noted, however, that the particulars of factory operations given in this summary exclude three factories operating in Tasmania, except in Table IV, where they refer to Australia as a whole and include these factories.
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 "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, 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.

ROLAND WILSON

COMMONWEALTH STATISTICIAN

CANBERRA, A.C.T.

(14/2/47)

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1. **SUMMARY OF STATISTICS:** The following table furnishes a summary of the principal statistics of the factories engaged in the manufacture of Confectionery in Australia for the period 1934-35 to 1944-45:-

TABLE I. CONFECTIONERY : AUSTRALIA(a)

Year	Number of Factories	Persons Employed (b)	Salaries & Wages Paid (c)	Power, Fuel and Light etc. Used	Value of Materials Used(d)	Value of Production	Value of Output
	No.	No.	£'000	£'000	£'000	£'000	£'000
1934-35	156	6,583	824	89	2,488	1,888	4,465
1935-36	146	6,869	890	91	2,708	2,048	4,847
1936-37	148	7,143	950	94	2,884	2,081	5,059
1937-38	145	7,329	1,013	105	2,984	2,192	5,281
1938-39	146	7,256	1,041	107	3,102	2,418	5,627
1939-40	150	7,182	1,069	107	3,230	2,639	5,976
1940-41	148	7,181	1,156	115	3,565	2,763	6,443
1941-42	137	6,476	1,176	118	3,392	2,835	6,345
1942-43	141	5,497	1,142	124	3,618	2,818	6,560
1943-44	163	5,796	1,259	129	4,306	3,206	7,643
1944-45	182	5,795	1,298	135	4,504	3,294	7,933

(a) Excludes Tasmania. (b) Includes working proprietors. (c) Excludes amounts drawn by Working Proprietors. (d) Includes also containers, packing etc., replacement of tools and repairs to plant.

In the following table particulars of the Industry are given for each State during the year 1944-45.

TABLE II. CONFECTIONERY : STATES(a), 1944-45

Particulars	N.S.W.	VIC.	QLD.	S.A.	W.A.	AUSTRALIA
	No.	No.	No.	No.	No.	No.
Number of Factories ..	69	69	15	22	7	182
Number Employed (b) -						
Males ..	1,219	838	105	121	122	2,405
Females ..	1,527	1,346	197	159	161	3,390
Total ..	2,746	2,184	302	280	283	5,795
Value of -	£.	£.	£.	£.	£.	£.
Salaries & Wages Paid (c)	657,767	483,886	52,881	48,395	55,352	1,298,281
Power, Fuel & Light used	61,859	54,007	4,953	7,207	6,888	134,914
Materials etc. used ..	2,292,986	1,771,015	151,094	147,367	141,662	4,504,124
Production ..	1,622,654	1,346,161	119,747	112,573	92,962	3,294,097
Output ..	3,977,499	3,171,183	275,794	267,147	241,512	7,933,135
Land and Buildings ..	770,241	491,757	76,381	68,392	51,666	1,480,439
Plant and Machinery ..	627,219	426,659	19,245	37,771	49,111	1,160,005
H.P. of Engines Ordinarily in use ..	H.P. 6,733	H.P. 6,339	H.P. 519	H.P. 639	H.F. 339	H.P. 14,569

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

2. **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 1934-35 to 1944-45:-

TABLE III. AVERAGE SALARIES AND WAGES PAID, OUTPUT ETC. PER EMPLOYEE : AUSTRALIA(a)

Year	Salaries and Wages per Employee (b)	Value of Output per Person Engaged(c)	Value of Production per Person Engaged(c)	Ratio per cent. of Salaries and Wages to Value of Production
	£.	£.	£.	%
1934-35	128	678	287	43.64
1935-36	132	706	298	43.44
1936-37	135	708	291	45.64
1937-38	141	721	305	46.23
1938-39	146	776	333	43.04
1939-40	152	832	366	40.49
1940-41	164	897	385	41.83
1941-42	185	980	438	41.46
1942-43	212	1,193	513	40.54
1943-44	223	1,319	554	39.23
1944-45	230	1,369	568	39.41

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

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3. MATERIALS USED AND ARTICLES PRODUCED: Particulars of the materials used and articles produced in Confectionery factories for the years 1943-44 and 1944-45 are shown in the following table. The figures are exclusive of similar materials used and articles produced in establishments not classified as confectionery factories, but the details for the three confectionery factories in Tasmania have been incorporated in the table.

TABLE IV. CONFECTIONERY : AUSTRALIA (a)

Particulars	Unit of Quantity	1943-44		1944-45	
		Quantity	Value	Quantity	Value
<u>Materials used:</u>			£.		£.
Sugar ..	Ton	35,814	1,169,711	35,698	1,158,033
Icing Sugar - Own Manufacture ..	"	5,516	-	4,944	-
Purchased ..	"	1,364	47,768	1,270	45,445
Flour ..	"	1,202	16,344	1,482	19,264
Milk - Fresh ..	Gals.	496,932	21,522	350,624	15,256
Condensed ..	Cwt.	22,906	65,177	23,751	68,974
Powdered ..	"	39,468	156,014	37,727	153,917
Groom ..	Gals.	989	706	681	434
Butter ..	Cwt.	5,156	41,327	5,501	44,940
Glucose ..	Cwt.	150,932	344,732	144,995	327,804
Cocoa - Beans ..	lb.	28,070,151	871,608	21,055,110	666,867
Butter ..	"	1,410,329	137,409	1,061,614	112,019
Cake ..	"	312	14	(b)	(b)
Chocolate ..	"	1,990,645	107,394	2,402,422	126,015
Essences ..	"	65,383	34,992	71,164	46,851
Essential Oils ..	"	32,869	36,237	32,462	49,191
Gelatine ..	"	821,050	73,859	924,063	79,760
Vanilla ..	"	13,713	12,345	16,307	16,239
Other Flavours ..	"	(b)	15,774	(b)	17,576
Cornflour ..	"	233,635	4,319	367,255	6,921
Margarine ..	cwt.	-	-	30	103
<u>Articles produced:</u>					
Confectionery - With Chocolate Basis ..	lb.	47,012,203	3,583,186	48,542,064	3,684,063
Other (Without Chocolate) ..	"	68,251,886	3,631,967	73,101,978	3,738,620
Cocoa and Chocolate (Potable) ..	"	7,920,362	362,772	8,019,094	363,006
Icing Sugar - Consumed ..	"	5,516	-	4,944	-
For Sale ..	"	6,419	222,799	6,658	236,857
Candied Peel and Fruits ..	"	79,608	2,015	76,563	3,822
Ice Cream ..	Gal.	4,005	709	2,352	520
Ice Cream mixture ..	lb.	-	-	6,960	247

(a) Includes Tasmania.

(b) Not available for publication.

4. EMPLOYMENT: The number of employees in Tables I, II and VI 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 for the years 1938-39 and 1941-42 to 1944-45:

TABLE V. FACTORIES CLASSIFIED ACCORDING TO HANDS EMPLOYED :
AUSTRALIA (a)

Number of Persons Employed in each Factory	1938-39		1941-42		1942-43		1943-44		1944-45	
	Number of Fac-tories	Em-ployed	Number of Fac-tories	Em-ployed	Number of Fac-tories	Em-ployed	Number of Fac-tories	Em-ployed	Number of Fac-tories	Em-ployed
Under 4	27	58	22	43	26	54	33	69	42	87
4	12	46	10	40	9	36	19	76	14	56
5 to 10	35	250	38	262	43	293	39	276	47	328
11 to 20	31	454	27	399	25	370	30	417	34	491
21 to 50	22	713	20	666	21	664	24	774	20	937
51 to 100	9	642	8	561	7	516	8	576	7	522
Over 100	12	5,122	12	4,520	10	3,559	10	3,612	10	3,406
TOTAL:	141	7,287	137	6,493	141	5,502	163	5,604	162	5,427
Average number Employed per Factory:	49		47		39		36		32	

(a) Excludes Tasmania.

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Further details of employment in the Confectionery Industry are furnished in the next three tables. In the first the employees have been classified according to the nature of their employment for the years 1938-39, 1943-44 and 1944-45.

TABLE VI. PERSONS EMPLOYED CLASSIFIED ACCORDING TO GRADE OF OCCUPATION :
AUSTRALIA (a)

Grade of Occupation	Males			Females		
	1938-39	1943-44	1944-45	1938-39	1943-44	1944-45
	No.	No.	No.	No.	No.	No.
Working Proprietors ..	115	121	135	12	21	14
Managers and Overseers ..	144	136	158	14	26	28
Clerical Staff ..	171	98	96	272	276	293
Engine Drivers and Firemen ..	45	49	68	-	-	-
Workers, Skilled and Unskilled ..	2,330	1,840	1,924	4,027	3,202	3,053
Other (Carters and Messengers) ..	125	25	24	1	2	2
TOTAL:	2,930	2,269	2,405	4,326	3,527	3,390

(a) Excludes Tasmania.

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 1943-44 and 1944-45.

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

Month	1943-44			1944-45		
	Males	Females	Persons	Males	Females	Persons
	No.	No.	No.	No.	No.	No.
July ..	2,029	3,270	5,299	2,254	3,402	5,656
August ..	2,043	3,365	5,428	2,225	3,407	5,632
September ..	2,094	3,699	5,793	2,222	3,446	5,668
October ..	2,099	3,698	5,797	2,233	3,424	5,657
November ..	2,096	3,700	5,796	2,266	3,539	5,805
December ..	2,137	3,715	5,852	2,294	3,556	5,850
January ..	2,206	3,467	5,673	2,213	3,318	5,531
February ..	2,186	2,492	5,678	2,261	3,348	5,609
March ..	2,180	3,439	5,619	2,256	3,305	5,561
April ..	2,204	3,401	5,605	2,265	3,314	5,579
May ..	2,214	3,420	5,634	2,288	3,284	5,572
June ..	2,216	3,435	5,651	2,257	3,173	5,430

(a) Excludes Tasmania.

A classification of the number of employees according to age and sex on or about the 15th June, for the years 1939 to 1945 is shown in the next table:-

TABLE VIII. DISTRIBUTION OF EMPLOYEES ACCORDING TO AGE AND SEX :
AUSTRALIA (a)

JUNE	MALES				FEMALES				PERSONS			
	Under 16 years	16 & under 21 yrs.	Adults	Total	Under 16 years	16 & under 21 yrs.	Adults	Total	Under 16 years	16 & under 21 yrs.	Adults	Total
1939	167	728	2,084	2,979	693	2,020	1,918	4,631	860	2,748	4,002	7,610
1940	171	622	2,108	2,901	697	1,870	1,906	4,473	868	2,492	4,014	7,374
1941	121	552	2,324	2,997	535	2,042	2,021	4,598	656	2,594	4,345	7,595
1942	71	233	1,763	2,067	305	1,349	1,737	3,391	376	1,562	3,500	5,458
1943	67	155	1,801	2,023	162	1,031	2,252	3,445	229	1,186	4,053	5,468
1944	48	208	1,960	2,216	105	919	2,411	3,435	153	1,127	4,371	5,651
1945	44	198	2,015	2,257	78	776	2,319	3,173	122	974	4,334	5,430

(a) Excludes Tasmania.

5. 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, for the years 1938-39, 1943-44 and 1944-45.

TABLE IX. TYPES AND RATED HORSEPOWER OF ENGINES : AUSTRALIA (a)

Class of Engine	Rated H.P. of Engines					
	Ordinarily in Use			In Reserve or Idle		
	1938-39	1943-44	1944-45	1938-39	1943-44	1944-45
Steam - Reciprocating ..	H.P. 190	H.P. 190	H.P. 174	H.P. 50	H.P. -	H.P. -
Turbine ..	2,200	2,350	1,250	-	-	-
Internal Combustion - Gas ..	120	120	120	-	-	-
Petrol or Other Light Oils ..	-	-	-	200	-	-
Heavy Oils ..	-	-	-	-	-	-
Water ..	-	30	-	-	-	-
Total Prime Movers ..	2,510	2,690	1,544	250	-	-
Motors driven by electricity - Purchased ..	13,644	12,862	13,025	849	805	751
Own Generation ..	-	2,000	2,000	-	-	-
Total Electricity:	13,644	14,862	15,025	849	805	751
TOTAL POWER USED: (b.)	16,154	15,552	14,569	1,099	805	751

(a) Excludes Tasmania.

(b) With Duplication.

6. **CONSUMPTION OF POWER, FUEL AND LIGHT:** Details of the quantities and values of the various items of power, fuel and light used in Confectionery Factories, are shown in the following table for the years 1938-39, 1943-44 and 1944-45:-

TABLE X. POWER, FUEL AND LIGHT, ETC. USED : AUSTRALIA (a)

Particulars	Unit of Quantity	Quantity			Value		
		1938-39	1943-44	1944-45	1938-39	1943-44	1944-45
Power, Fuel and Light -					£.	£.	£.
Coal - Black ..	ton	12,689	17,382	15,910	19,211	31,911	29,383
Brown ..	"	1,296	67	200	2,072	89	265
Coke ..	"	2,437	2,676	3,414	3,609	5,525	5,924
Wood ..	"	2,158	4,015	4,326	1,549	5,300	5,706
Fuel Oil ..	gallon	70,246	122,059	128,468	1,797	6,386	6,092
Electricity ..	-	(b)	(b)	(b)	59,237	57,090	60,136
Gas ..	-	(b)	(b)	(b)	9,677	13,677	15,029
Other (Charcoal, etc.) ..	-	(b)	(b)	(b)	1,024	-	3,129
Water and Lubricating Oil Used ..	-	(b)	(b)	(b)	8,693	9,197	9,250
TOTAL:		(b)	(b)	(b)	106,669	129,175	134,914

(a) Excludes Tasmania.

(b) Value only available.

7. **VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY:** Particulars of the book values of premises occupied and plant used in Confectionery Factories at the 30th June for each of the seven years ended 1945 are shown in the next table. In addition, 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 XI. VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY :

AUSTRALIA (a)

Year	Book Value as at 30th June (b)		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	1,423,406	1,363,619	15,847	79,224	4,472	66,956
1939-40	1,420,423	1,350,909	11,710	80,052	45,179	78,199
1940-41	1,545,259	1,424,394	8,105	71,930	11,256	76,246
1941-42	1,368,835	1,304,069	15,580	40,690	2,376	69,765
1942-43	1,400,581	1,230,627	25,458	34,476	7,708	39,309
1943-44	1,451,329	1,194,194	21,362	69,486	9,247	99,983
1944-45	1,480,439	1,160,005	12,434	66,466	11,826	111,073

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

8. EXTERNAL TRADE: The quantities and values of imports and exports of Confectionery are given in the following table for the years 1934-35 to 1944-45.

TABLE XII. IMPORTS AND EXPORTS OF CONFECTIONERY : AUSTRALIA

Year	Imports		Exports	
	Quantity	Value	Quantity	Value
	lb.	£s.	lb.	£s.
1934-35	535,748	27,434	554,436	54,362
1935-36	701,938	30,828	637,843	59,904
1936-37	752,080	34,781	686,396	72,414
1937-38	997,251	49,422	969,519	94,745
1938-39	1,371,027	76,513	1,248,003	102,332
1939-40	669,775	38,861	980,630	103,843
1940-41	40,684	4,763	2,916,481	224,009
1941-42	39,469	5,610	2,773,386	231,703
1942-43	17,210	2,997	2,374,633	206,287
1943-44	15,724	3,728	5,674,493	461,391
1944-45	22,007	3,491	4,153,132	292,365

9. MINIMUM WEEKLY RATES OF WAGE: The following table shows in respect of Confectionery factories the weekly minimum rates of wage in force at 30th June, 1945. 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 all cases the number of hours constituting a full week's work are 44:-

TABLE XIII. MINIMUM WEEKLY RATES OF WAGE AS AT 30TH JUNE, 1945

Occupation	N.S.W. (S)	VIC. (C)	QLD. (S)	S... (S)	W.A. (S)	T.A.S. (C)
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Journeyman ..	124. 0	114. 0	104. 6	104. 6	114.11 to 140. 5	109. 0
Persons employed as operators on icing sugar mill, cocoa, liquor mill, cocoa powder grinding or disintegrating machines ..	115. 0	106. 0	97. 0	99. 0	-	101. 0
Adult males, n.e.i. ..	103. 0	101. 0	-	94. 0	99.11	96. 0
Storeman and Packer ..	-	107. 0	101. 0	94. 0	116. 8	101. 0
		& 111. 0		& 99. 0	& 112. 9	& 106. 0
Female doing journeyman's work	124. 0	114. 0	104. 6	104. 6	-	109. 0
Adult females n.e.i. ..	59. 0	62. 0	54. 6	46. 8	54. 1	60. 6
Female hand or fork dipping chocolate goods ..	64.11	62. 0	54. 6	46. 8	54. 1	60. 6
Juvenile Male - Under 16 years ..	27. 5	26. 0	-	21. 0	-	25. 6
16 " ..	32. 2	33. 3	-	24. 0	-	31. 6
17 " ..	37. 7	42. 6	-	30. 0	-	41. 0
18 " ..	42. 9	60. 0	-	34. 9	-	58. 0
19 " ..	52. 3	72. 0	-	41. 6	-	69. 6
20 " ..	62. 3	76. 6	-	52. 0	-	74. 0
Juvenile Female - Under 16 years ..	29.11	24. 7	-	20. 0	-	24. 4
16 " ..	34. 9	24. 7	-	20. 6	-	24. 4
17 " ..	40. 0	30. 6	-	24. 3	-	30. 3
18 " ..	45. 8	37. 7	-	26. 3	-	37. 4
19 " ..	52. 7	45. 2	-	31. 6	-	44. 9
20 " ..	55.11	51. 8	-	33. 6	-	51. 3

(C) denotes Commonwealth Award.

(S) denotes State Award.

(Roland Wilson)

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS,

COMMONWEALTH STATISTICIAN

CANBERRA. A.C.T.

14TH FEBRUARY, 1947