

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

CANBERRA, AUSTRALIA

MANUFACTURING INDUSTRIES

1961-62

NO. 26 TOBACCO, CIGARS AND CIGARETTES

Prepared Under Instructions from
THE RIGHT HONORABLE THE TREASURER,

by

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EXPLANATORY NOTES

GENERAL: The range of bulletins in this series for 1961-62 is the same as for 1960-61, and a complete list is shown inside the back cover of this bulletin.

Where a number of industries are combined in one bulletin, the introductory paragraph on page 3 specifies the industries so included.

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. These cases are encountered most frequently in the Metal Trades, (e.g. General Engineering firms also producing Agricultural Implements or Stoves, 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. However, figures in the tables showing details of articles produced represent total recorded production of the articles listed, and include quantities produced, as subsidiary production, in industries otherwise classified.

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. The figures do not include details relating to small establishments not classified for statistical purposes as factories.

All persons employed in the manufacturing activities of the factory are counted as factory employees. The figures relating to employment, therefore, include working proprietors as well as "out-workers", but 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 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 power fuel etc. used includes the cost of light, lubricants and water used.

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

MANUFACTURING INDUSTRIES : AUSTRALIA, 1961-62

TOBACCO, CIGARS AND CIGARETTES

1. **SUMMARY OF STATISTICS:** The following table furnishes a summary of the principal statistics of the factories engaged in the manufacture of tobacco, cigars and cigarettes in Australia for the years 1957-58 to 1961-62.

TABLE 1 : TOBACCO, CIGAR AND CIGARETTE FACTORIES : AUSTRALIA

Year	Factories	Persons Employed	Salaries and Wages Paid	Power, Fuel and Light etc. Used	Value of Materials, etc. Used	Value of Production	Value of Output
	(1)	(a) (2)	(b) (3)	(c) (4)	(d) (5)	(e) (6)	(f) (7)
	Number	Number	£'000	£'000	£'000	£'000	£'000
1957-58	27	4,754	4,203	145	35,408	11,177	46,730
1958-59	22	4,779	4,178	159	35,776	13,451	49,386
1959-60	21	5,046	4,774	176	36,578	16,889	53,643
1960-61	20	5,178	5,232	225	39,742	16,719	56,686
1961-62	18	4,914	5,282	234	38,568	19,491	58,293

(a) Average over 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, excludes Excise Duty.

In the following table, particulars are given for each State for the year 1961-62.

TABLE 2 : TOBACCO, CIGAR AND CIGARETTE FACTORIES : STATES 1961-62

Particulars	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	AUSTRALIA
	Number	Number	Number	Number	Number	Number	Number
Factories	5	7	5	-	1	-	18
Persons Employed -							
Males	1,367	1,050	(a)	-	(a)	-	2,515
Females	1,234	1,123	(a)	-	(a)	-	2,399
TOTAL:	2,601	2,173	(a)	-	(a)	-	4,914
	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Salaries and Wages Paid	2,839	2,323	(a)	-	(a)	-	5,282
Value of -							
Power, Fuel and Light, etc. Used	108	116	(a)	-	(a)	-	234
Materials, etc. Used	19,689	18,791	(a)	-	(a)	-	38,568
Production	9,799	9,358	(a)	-	(a)	-	19,491
Output	29,596	28,265	(a)	-	(a)	-	58,293
Land and Buildings (b)	1,130	2,675	(a)	-	(a)	-	4,307
Plant and Machinery (b)	3,164	3,370	(a)	-	(a)	-	6,859
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
H.P. of Engines Ordinarily in use	5,243	5,508	(a)	-	(a)	-	11,203

(a) Not available for publication.

(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 years 1957-58 to 1961-62.

TABLE 3 : TOBACCO, CIGAR AND CIGARETTE FACTORIES :
AVERAGE SALARIES AND WAGES PAID, OUTPUT ETC., PER EMPLOYEE : AUSTRALIA

Year	Salaries and Wages per Employee	Value of Output Per Person Engaged	Value of Production per Persons Engaged	Ratio of Salaries and Wages to Value of Production
	(a)	(b) (c)	(b) (c)	
	£.	£.	£.	%
1957-58	885	9,830	2,351	37.61
1958-59	875	10,334	2,815	31.06
1959-60	947	10,631	3,347	28.27
1960-61	1,011	10,947	3,229	31.29
1961-62	1,075	11,863	3,966	27.10

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

3. MATERIALS USED AND ARTICLES PRODUCED: In the following table, details are given of the amount of tobacco leaf used and the production of tobacco, cigars and cigarettes in Australia for the years ended June, 1961 and 1962.

TABLE 4 : TOBACCO, CIGAR AND CIGARETTE FACTORIES :
PRINCIPAL MATERIALS USED AND ARTICLES PRODUCED : AUSTRALIA

Particulars	1960-61		1961-62	
	Quantity	Value	Quantity	Value
	lb.	£.	lb.	£.
Materials Used:				
Stemmed Leaf used in -				
Tobacco Manufacture -				
Australian Leaf	3,301,756	1,669,267	3,655,771	1,703,239
Imported Leaf	9,447,380	5,558,330	7,230,914	4,206,466
TOTAL:	12,749,136	7,227,597	10,886,685	5,909,705
Cigar Manufacture -				
Imported Leaf	172,348	115,958	200,483	123,200
Cigarette Manufacture -				
Australian Leaf	11,431,370	7,512,410	14,395,546	8,861,171
Imported Leaf	23,030,320	18,537,175	24,905,080	16,235,170
TOTAL:	39,461,690	26,049,585	39,300,626	25,096,341
Total Australian Leaf	14,733,126	9,181,677	18,051,317	10,564,440
Total Imported Leaf	37,650,048	24,211,463	32,336,477	20,564,836
GRAND TOTAL ALL LEAF:	52,383,174	33,393,140	50,387,794	31,129,246
Articles Produced:				
Tobacco -		(a)		(a)
In Flugs (uncut)	265,880	126,937	303,716	149,620
In Flake or Sliced Form -				
For Pipe	1,266,432	939,473	1,034,935	790,362
For Cigarettes	7,695,486	5,770,970	6,377,518	4,978,071
In Ready Rubbed Form -				
For Pipe	92,026	76,436	285,153	213,110
For Cigarettes	5,939,250	4,528,762	5,009,814	4,038,859
Cigars (b)	131,804	419,440	161,051	465,206
Cigarettes (c)	42,843,720	46,946,973	42,737,971	47,176,499

(a) Excludes Excise Duty. (b) Number of Cigars 27.8 and 45.2 million respectively.
(c) Number of Cigarettes 18,508 and 18,553 million respectively.

For purposes of comparison, the following table sets out particulars of the amount of tobacco leaf used and the production of tobacco, cigars and cigarettes during the years 1957-58 to 1961-62.

TABLE 5 : TOBACCO LEAF USED AND TOBACCO, CIGARS AND CIGARETTES MADE : AUSTRALIA
('000 lb.)

Year	Tobacco Leaf Used		Tobacco Made	Cigars Made	Cigarettes Made
	Australian	Imported			
1957-58	7,155	38,372	18,192	119	32,748
1958-59	8,792	40,179	17,087	109	35,255
1959-60	11,533	38,186	15,262	106	39,391
1960-61	14,733	37,650	15,259	132	42,844
1961-62	18,051	32,336	13,011	161	42,738

4. CONSUMPTION OF TOBACCO: In the following table, details are given for the years 1957-58 to 1961-62 of the amount of tobacco (all kinds) consumed in Australia in total and per head of population and the gross Customs and Excise Duty paid on tobacco consumed.

TABLE 6 : CONSUMPTION OF TOBACCO IN AUSTRALIA

Year	Tobacco, Cigars and Cigarettes (including Imported)		
	Total Consumption	Consumption per head of Population	Total Gross Customs and Excise Duty Paid
	'000 lb.	lb.	£'000
1957-58	51,238	5.26	80,384
1958-59	52,799	5.31	83,226
1959-60	55,781	5.49	88,867
1960-61	57,234	5.51	91,857
1961-62	57,263	5.40	91,472

5. EMPLOYMENT: The number of employees in Tables 1, 2 and 8 have 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 for the years 1957-58 to 1961-62, according to the average number employed during the actual period worked.

TABLE 7 : TOBACCO, CIGAR AND CIGARETTE FACTORIES
CLASSIFIED ACCORDING TO PERSONS EMPLOYED : AUSTRALIA

Number of Persons Employed in each Factory	1957-58		1958-59		1959-60		1960-61		1961-62	
	No. of Fac-tories	No. Em-ployed	No. of Fac-tories	No. Em-ployed	No. of Fac-tories	No. Em-ployed	No. of Fac-tories	No. Em-ployed	No. of Fac-tories	No. Em-ployed
Under 4	5	8	7	14	4	7	4	8	3	6
4	1	4	..	..	..	..	..	..	1	4
5 to 10	6	41	3	16	3	15	2	10	1	10
11 to 20	1	13	2	26	3	42	..	..	-	-
21 to 50	3	96	2	59	4	105	5	129	5	153
51 to 100	3	218	2	139	2	166	3	251	1	53
101 to 200	2	326	1	125	..	..	..	..	1	117
201 to 500	2	649	1	306	..	..	1	339	3	1,190
501 to over	4	3,437	4	4,139	5	4,762	5	4,570	3	3,381
TOTAL:	27	4,792	22	4,824	21	5,097	20	5,307	18	4,914
Average Number Employed per Factory	177		219		243		265		273	

Further details of employment are furnished in the two tables which follow.

In Table 8, the number of males and females employed are shown for the years 1959-60 to 1961-62 according to the nature of their employment.

TABLE 8. - TOBACCO, CIGAR AND CIGARETTE FACTORIES : PERSONS EMPLOYED CLASSIFIED ACCORDING TO OCCUPATIONAL STATUS : AUSTRALIA

Occupational Status	Males			Females		
	1959-60	1960-61	1961-62	1959-60	1960-61	1961-62
Working Proprietors	4	3	1	..	..	-
Managerial and Clerical Staff including Salaried Managers and Working Proprietors	496	469	405	189	226	226
Chemists, Draftsmen and Other Laboratory and Research Staff	14	20	32	4	17	27
Foremen and Overseers	186			81		
Workers in Factory (Skilled and Unskilled)	1,956	2,139(a)	2,077(a)	2,094	2,304(a)	2,146(a)
Carters (excluding Delivery only), Messengers and Persons Working Regularly at Home	22			..		
TOTAL:	2,678	2,631	2,515	2,368	2,547	2,399

(a) Separate details not now collected.

In the following table, the number of persons employed in June in each of the years 1958 to 1962 are shown according to age and sex distribution.

TABLE 9. - TOBACCO, CIGAR AND CIGARETTE FACTORIES : DISTRIBUTION OF EMPLOYEES ACCORDING TO AGE AND SEX : AUSTRALIA

(Excluding Working Proprietors)

Last Pay Day in June	Under 16 Years	16 Years	17 Years	18 Years	19 Years	20 Years	Total 16-20 Years	21 Years and over	Total all Ages
MALES									
1958	17	37	32	18	25	22	134	2,395	2,546
1959	17	20	34	35	24	41	154	2,391	2,562
1960	7	29	23	38	37	22	149	2,641	2,797
1961	5	(a)	(a)	(a)	(a)	(a)	98	2,562	2,665
1962	3	(a)	(a)	(a)	(a)	(a)	124	2,393	2,520
FEMALES									
1958	66	99	138	154	138	118	647	1,523	2,236
1959	28	74	119	135	159	124	611	1,607	2,246
1960	26	63	99	143	138	151	594	1,825	2,445
1961	14	(a)	(a)	(a)	(a)	(a)	582	1,950	2,546
1962	20	(a)	(a)	(a)	(a)	(a)	350	2,034	2,404

(a) Separate details not now collected.

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

TABLE 10. - TOBACCO, CIGAR AND CIGARETTE FACTORIES :
TYPES AND RATED HORSEPOWER OF ENGINES : AUSTRALIA

Class of Engine	Rated Horsepower of Engines					
	Ordinarily in Use			In Reserve or Idle		
	1959-60	1960-61	1961-62	1959-60	1960-61	1961-62
Steam - Reciprocating	1,031	731	731	875	1,385	1,385
Turbine	1,350	1,350	1,350	..	..	..
Internal Combustion -						
Gas	..	..	..	..	..	..
Petrol and Other Light						
Oil	..	..	..	558	558	20
Heavy Oils	..	..	..	..	600	600
Water	..	..	..	..	..	..
Total, Prime Movers:	2,381	2,081	2,081	1,433	2,543	2,005
Motors driven by electricity -						
Purchased	8,036	8,261	9,122	827	919	1,035
Own Generation	(a) 1,047	(a) 900	(a) 900	127	100	100
Total, Electricity:	9,083	9,161	10,022	954	1,019	1,135
TOTAL POWER EMPLOYED:	10,417	10,342	11,203	2,387	3,562	3,140

(a) These motors are driven by electricity generated by prime movers and, to avoid duplication, are excluded from statistics of total power employed.

7. 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 1959-60 to 1961-62 in the following table.

TABLE 11. - TOBACCO, CIGAR AND CIGARETTE FACTORIES :
POWER, FUEL AND LIGHT, ETC., USED : AUSTRALIA

Particulars:	Unit of QTY.	Quantity			Value (£)		
		1959-60	1960-61	1961-62	1959-60	1960-61	1961-62
Power, Fuel and Light -							
Coal - Black	ton	6,788	6,027	5,450	27,924	25,525	22,752
Brown	"	4,091	4,019	3,402	7,159	6,492	5,414
Wood	"	4	1	495	5	2	277
Fuel Oil	gal.	467,997	690,395	626,090	32,492	39,603	33,387
Tar (Fuel)	"	..	..	..	..	..	..
Electricity	-	(a)	(a)	(a)	86,845	129,496	147,436
Gas	-	(a)	(a)	(a)	3,126	3,138	2,804
Other (Charcoal, etc.)	-	(a)	(a)	(a)	3,852	4,844	4,278
Water and Lubricating Oil used	-	(a)	(a)	(a)	14,844	16,094	17,517
TOTAL:		(a)	(a)	(a)	176,247	225,194	233,865

(a) Value only available.

8. VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY: Particulars of the book values of premises occupied and plant installed as at 30th June for the years 1957-58 to 1961-62 are shown in the next table. Details of the values of additions and replacements made and depreciation allowed during the year 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. - TOBACCO, CIGAR AND CIGARETTE FACTORIES : VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY, ETC. : AUSTRALIA (a)

Year	Book Values 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
1957-58	2,961,996	4,155,907	1,284,810	1,468,950	89,356	351,740
1958-59	2,699,540	4,178,324	384,074	831,721	56,265	457,096
1959-60	3,620,044	4,961,297	991,072	1,421,143	69,763	450,052
1960-61	3,551,260	6,208,784	124,219	1,951,521	59,492	609,292
1961-62	4,306,690	6,859,275	195,507	1,541,092	80,862	811,902

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

9. EXTERNAL TRADE: The next table furnishes particulars of the quantities of tobacco and manufactures thereof imported and exported for the years 1957-58 to 1961-62.

TABLE 13. - IMPORTS AND EXPORTS OF TOBACCO AND TOBACCO MANUFACTURES : AUSTRALIA (lb.)

Year	Tobacco		Cigars	Cigarettes	Snuff
	Manufactured	Unmanufactured			
<u>IMPORTS</u>					
1957-58	402,388	43,029,219	86,165	370,842	1,345
1958-59	367,441	38,678,767	91,394	396,789	1,292
1959-60	591,796	37,004,900	139,714	975,434	776
1960-61	611,072	35,711,198	155,394	1,028,701	1,568
1961-62	761,017	23,748,696	105,254	1,097,153	1,027
<u>EXPORTS</u>					
1957-58	373,780	500,217	1,000	352,063	..
1958-59	471,926	92,676	799	213,167	..
1959-60	381,907	54,929	569	151,659	..
1960-61	412,396	87,641	1,278	185,925	..
1961-62	438,154	129,819	691	322,777	..

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS
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NOTE:— Inquiries concerning these statistics may be made in Canberra by telephoning UO413 Extension 301 or, in each State Capital, by telephoning the office of the Bureau of Census and Statistics.