

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

CANBERRA, AUSTRALIA

MANUFACTURING INDUSTRIES

1960-61

NO. 26 TOBACCO, CIGARS AND CIGARETTES

Prepared Under Instructions from
THE RIGHT HONORABLE THE TREASURER,

by

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MANUFACTURING INDUSTRIES : 1960-61

P R E F A C E

1. GENERAL: The range of Bulletins in this series for 1960-61 is the same as for 1959-60 and a complete list is shown on the back of the 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.

2. 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. Figures shown in the quantity tables herein represent total recorded production of the articles listed and include quantities produced, as subsidiary production, in industries otherwise classified.

3. 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. It should be noted that details relating to small establishments not classified for statistical purposes as factories are not included in the figures shown herein.

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 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, 1960-61TOBACCO, 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 1956-57 to 1960-61.

TABLE 1 : TOBACCO, CIGAR AND CIGARETTE FACTORIES : AUSTRALIA

Year	Factories (1)	Persons Employed (a) (2)	Salaries and Wages Paid (b) (3)	Power, Fuel and Light etc. Used (c) (4)	Value of Materials, etc. Used (d) (5)	Value of Production (e) (6)	Value of Output (f) (7)
	Number	Number	£'000	£'000	£'000	£'000	£'000
1956-57	29	4,630	4,038	127	33,535	10,999	44,661
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

(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 1960-61.

TABLE 2 : TOBACCO, CIGAR AND CIGARETTE FACTORIES : STATES 1960-61

Particulars	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	AUSTRALIA
	Number	Number	Number	Number	Number	Number	Number
Factories	7	7	5	..	1	..	20
Persons Employed -							
Males	1,447	1,128	(a)	..	(a)	..	2,631
Females	1,347	1,171	(a)	..	(a)	..	2,547
TOTAL:	2,794	2,299	(a)	..	(a)	..	5,178
	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Salaries and Wages Paid	2,919	2,251	(a)	..	(a)	..	5,232
Value of -							
Power, Fuel and Light, etc. Used	107	112	(a)	..	(a)	..	225
Materials, etc. Used	23,146	16,745	(a)	..	(a)	..	39,742
Production	10,797	5,792	(a)	..	(a)	..	16,719
Output	33,945	22,536	(a)	..	(a)	..	56,686
Land and Buildings (b)	1,244	1,785	(a)	..	(a)	..	3,551
Plant and Machinery (b)	3,105	2,849	(a)	..	(a)	..	6,209
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
H.P. of Engines Ordinarily in use	5,255	4,708	(a)	..	(a)	..	10,342

(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 1956-57 to 1960-61.

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

Year	Salaries and Wages per Employee (a)	Value of Output Per Person Engaged (b) (c)	Value of Production per Persons Engaged (b) (c)	Ratio of Salaries and Wages to Value of Production
	£.	£.	£.	%
1956-57	875	9,646	2,376	36.71
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

(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, 1960 and 1961.

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

Particulars	1959-60		1960-61	
	Quantity	Value	Quantity	Value
	lb.	£.	lb.	£.
Materials Used:				
Stemmed Leaf used in -				
Tobacco Manufacture -				
Australian Leaf	3,085,909	1,492,471	3,301,756	1,669,267
Imported Leaf	9,740,053	5,709,041	9,447,380	5,558,330
TOTAL:	12,825,962	7,201,512	12,749,136	7,227,597
Cigar Manufacture -				
Imported Leaf	143,494	100,796	172,348	115,958
Cigarette Manufacture -				
Australian Leaf	8,447,346	5,246,183	11,431,370	7,512,410
Imported Leaf	28,302,773	17,783,188	28,030,320	17,561,331
TOTAL:	36,750,119	23,029,371	39,461,690	25,073,741
Total Australian Leaf	11,533,255	6,738,654	14,733,126	9,181,671
Total Imported Leaf	38,186,320	23,593,025	37,650,048	23,235,619
GRAND TOTAL ALL LEAF:	49,719,575	30,331,679	52,383,174	32,417,296
Articles Produced:				
Tobacco -		(a)		(a)
In Plugs (uncut)	341,741	161,846	265,880	126,937
In Flake or Sliced Form -				
For Pipe	1,280,910	942,935	1,266,432	939,473
For Cigarettes	7,639,446	5,700,126	7,695,486	5,770,970
In Ready Rubbed Form -				
For Pipe	70,495	51,853	92,026	76,436
For Cigarettes	5,929,493	4,493,264	5,939,250	4,528,762
Cigars (b)	105,982	348,272	131,804	419,440
Cigarettes (c)	39,390,902	41,889,912	40,383,070	44,312,299

(a) Excludes Excise Duty. (b) Number of Cigars 17.5 and 27.8 million respectively.
(c) Number of Cigarettes 17,117 and 18,508 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 1956-57 to 1960-61.

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

Year	Tobacco Leaf Used		Tobacco Made	Cigars Made	Cigarettes Made
	Australian	Imported			
1956-57	5,299	40,860	18,917	114	30,513
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	40,383

4. **CONSUMPTION OF TOBACCO:** In the following table, details are given for the years 1956-57 to 1960-61 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
	¹ 000 lb.	lb.	£'000
1956-57	49,731	5.22	77,751
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

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 1956-57 to 1960-61, 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	1956-57		1957-58		1958-59		1959-60		1960-61	
	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	4	5	5	8	7	14	4	7	4	8
4	1	4	1	4	..	..	..	..	..	..
5 to 10	8	56	6	41	3	16	3	15	2	10
11 to 20	1	12	1	13	2	26	3	42	..	..
21 to 50	4	119	3	96	2	59	4	105	5	129
51 to 100	3	214	3	218	2	139	2	166	3	251
101 to 200	2	304	2	326	1	125	..	..	..	..
201 to 500	2	646	2	649	1	306	..	..	1	339
501 and over	4	3,268	4	3,437	4	4,139	5	4,762	5	4,570
TOTAL:	29	4,630	27	4,792	22	4,824	21	5,097	20	5,307
Average Number Employed per Factory	160		177		219		243		265	

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 1958-59 to 1960-61 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		
	1958-59	1959-60	1960-61	1958-59	1959-60	1960-61
Working Proprietors	3	4	3	..	..	..
Managerial and Clerical Staff including Salaried Managers and Working Proprietors	412	496	469	165	189	226
Chemists, Draftsmen and Other Laboratory and Research Staff	21	14	20	9	4	17
Foremen and Overseers	210	186	2,139 (a)	89	81	2,304 (a)
Workers in Factory (Skilled and Unskilled)	1,853	1,956		1,996	2,094	
Carters (excluding Delivery only), Messengers and Persons Working Regularly at Home	21	22		..	..	
TOTAL:	2,520	2,678	2,631	2,259	2,368	2,547

(a) Separate details not now collected.

In the following table, the number of persons employed in June in each of the years 1957 to 1961 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									
1957	29	33	24	51	26	44	178	2,315	2,522
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
FEMALES									
1957	70	106	148	154	162	173	743	1,485	2,298
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

(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		
	1958-59	1959-60	1960-61	1958-59	1959-60	1960-61
Steam - Reciprocating	1,031	1,031	731	575	875	1,385
Turbine	1,350	1,350	1,350	..	..	..
Internal Combustion -						
Gas	..	..	..	..	..	..
Petrol and Other Light						
Oils	..	..	..	558	558	558
Heavy Oils	..	..	..	..	..	600
Water	..	..	..	..	..	..
<u>Total, Prime Movers:</u>	2,381	2,381	2,081	1,133	1,433	2,543
Motors driven by electricity -						
Purchased	8,003	8,036	8,261	1,612	827	919
Own Generation	(a) 1,047	(a) 1,047	(a) 900	127	127	100
<u>Total, Electricity:</u>	9,050	9,083	9,161	1,739	954	1,019
<u>TOTAL POWER EMPLOYED:</u>	10,384	10,417	10,342	2,872	2,387	3,562

(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 1958-59 to 1960-61 in the following table.

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

Particulars	Unit of Qty.	Quantity			Value (£)		
		1958-59	1959-60	1960-61	1958-59	1959-60	1960-61
Power, Fuel and Light -							
Coal - Black	ton	7,471	6,788	6,027	31,452	27,924	25,525
Brown	"	3,941	4,091	4,019	6,918	7,159	6,492
Brown Coal Briquettes	"	..	..	..	..	..	..
Coke	"	1	..	..	3	..	..
Wood	"	5	4	1	10	5	2
Fuel Oil	gal.	388,774	467,997	690,395	25,542	32,492	39,603
Tar (Fuel)	"	..	..	..	..	..	..
Electricity	-	(a)	(a)	(a)	76,134	86,845	129,496
Gas	-	(a)	(a)	(a)	2,563	3,126	3,138
Other (Charcoal, etc.)	-	(a)	(a)	(a)	3,341	3,852	4,844
Water and Lubricating Oil used	-	(a)	(a)	(a)	13,425	14,844	16,094
<u>TOTAL:</u>		(a)	(a)	(a)	159,388	176,247	225,194

(a) Value only available.

8. VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY: Particulars of the book value of premises occupied and plant installed as at 30th June for the years 1956-57 to 1960-61 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 12. - TOBACCO, CIGAR AND CIGARETTE FACTORIES : VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY, ETC. : AUSTRALIA (£)

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
1956-57	1,763,828	3,058,817	276,719	682,799	55,505	226,477
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	1,991,521	69,492	609,292

(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 1956-57 to 1960-61.

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

Year	Tobacco		Cigars	Cigarettes	Snuff
	Manufactured	Unmanufactured			
<u>IMPORTS</u>					
1956-57	236,314	40,765,547	49,911	464,046	1,120
1957-58	402,388	43,029,219	86,165	370,842	1,345
1958-59	367,441	38,678,767	91,394	386,789	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
<u>EXPORTS</u>					
1956-57	333,367	283,906	618	229,308	..
1957-58	373,780	500,217	1,000	352,063	..
1958-59	471,926	92,676	799	213,167	..
1959-60	383,907	54,929	569	151,659	..
1960-61	412,396	87,611	1,278	185,925	..

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NOTE:- Inquiries concerning these statistics can be made in Canberra by telephoning U0413 Extension 301 or, in State Capitals, by telephoning the offices of the Deputy Commonwealth Statisticians.