

PART X.

FACTORIES, FISHERIES, MINES, ETC.

FACTORIES.

Industrial progress. Statistical records of factories in Victoria date from 1850, when the number of factories was 68. In 1900 the total had reached 3,097 and 64,207 persons were employed therein. Fairly regular progress, concurrent with increase in population and consequent extension of the home market, was maintained until 1928-29 when the onset of the world depression caused a severe check to the manufacturing industries of the State. Statistics for the years 1927-28 to 1931-32 demonstrate clearly the effect of gradually declining prices and restricted activity.

Thereafter, however, an upward trend obtained until 1938-39 when due to a drop in export prices and also to a severe drought in Victoria, manufacturing industries were adversely affected and there was a consequent decline in employment.

The exigencies of the world war which commenced in September, 1939, made unprecedented demands on the industrial capacity of the State both in regard to the equipment of the armed forces and the provision of civilian needs.

In the later years expansion has been accentuated by reason of the continually increasing price levels. Comparison of the results for the years 1952-53 and 1953-54 shows that the number of factories rose from 15,154 to 15,533, the average number of employees increased from 310,759 to 331,277, and the net value of production increased from £358,032,828 to £408,314,716.

Victoria has a comparatively compact territory producing a variety of raw materials; a temperate climate; an intelligent labour supply; large power resources; a growing home market and an extensive system of State-owned railways served by a network of feeder roads. It possesses highways and main roads which cater effectively for the ever-growing motor haulage industry. These advantages, coupled with the continued organization of production and of markets therefor,

should maintain the progress of the State in the manufacturing field. The Commonwealth Government's policy of protection, by tariffs, for local industries has no doubt been of assistance in attracting capital for investment in manufacturing industries in this State.

In the next table particulars indicating the development of the manufacturing industries of Victoria during the twenty-year period 1934-35 to 1953-54 are given.

VICTORIA—GROWTH IN FACTORY PRODUCTION.

Year Ended 30th June—	Number of Factories.	Number of Persons Employed.	Value of Plant, Machinery, Land, and Buildings.	Amount of Salaries and Wages Paid.	Value of Materials used (including Containers).	Value of Output.
			£	£	£	£
1935 ..	9,100	169,691	70,591,677	27,318,815	63,387,061	117,182,857
1936 ..	9,160	183,390	71,872,906	30,593,707	74,568,265	134,043,170
1937 ..	9,165	191,883	75,161,894	33,192,904	78,233,032	142,692,192
1938 ..	9,241	201,789	77,207,830	37,228,543	85,926,478	157,050,725
1939 ..	9,250	201,831	80,596,625	38,305,885	80,721,680	152,967,611
1940 ..	9,215	212,461	84,553,699	41,920,726	93,390,751	174,304,401
1941 ..	9,121	237,636	92,050,326	52,294,673	112,024,332	209,348,845
1942 ..	8,918	258,400	98,157,370	67,158,613	136,058,136	257,281,080
1943 ..	8,738	262,357	104,605,310	76,033,111	144,778,354	277,678,940
1944 ..	9,317	261,299	110,520,701	77,400,688	149,189,244	284,647,914
1945 ..	9,669	257,633	116,379,925	74,227,245	152,761,198	287,422,311
1946 ..	10,195	256,249	118,802,347	70,499,214	154,224,950	286,989,408
1947 ..	10,949	265,757	121,877,270	77,993,765	170,223,745	315,437,679
1948 ..	11,642	278,271	132,058,592	93,802,188	203,121,836	377,412,025
1949 ..	12,702	292,006	149,463,382	112,410,440	244,486,168	446,837,879
1950 ..	13,231	303,476	176,872,369	130,254,694	284,197,019	526,466,280
1951 ..	13,504	316,792	207,587,582	163,207,236	370,258,115	675,033,324
1952 ..	14,758	324,143	248,398,656	202,585,880	463,121,444	833,967,023
1953 ..	15,154	310,759	282,690,086	210,877,568	461,810,787	860,146,161
1954 ..	15,533	331,277	339,267,651	236,036,586	531,527,923	985,505,127

NOTE.—Particulars of the amounts taken by working proprietors as drawings have not been collected since 1945-46 (inclusive).

The first Factories Act in Victoria was passed in 1873 and since that year many other Acts dealing with the subject have been placed upon the statute-book. The *Factories and Shops Act 1928* consolidated all Acts passed prior to that date. The general provisions of factory legislation, including Wages Boards, are further referred to in Part, "Social Condition," of this *Year-Book*.

Factory Premises. The *Labour and Industry Act* 1953, which came into operation on 1st July, 1954, provided that plans be approved by the department before the commencement of the building of any factory premises or alterations or additions thereto.

Statistics Act 1928. Statistics relating to the factories of Victoria are collected by the Government Statist in accordance with the provisions of the *Statistics Act* 1928. In the year 1902, Australian statisticians adopted a uniform classification of industries for statistical purposes in all States. 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. In 1930, a new classification, based upon that used in Great Britain for census purposes, was adopted and still obtains. The definition of a factory remains unchanged.

Added value. In estimating the relative importance of various industries, or the value of manufacturing industry as a whole, the method used is to calculate the value added in the process of manufacture. This "added value" is arrived at in the following way:—From the value of output of each industry are deducted the most important items of manufacturing expense such as costs of raw materials, containers, fuel and light, repairs to plant and machinery, and replacement of tools; the remainder constitutes the value added to raw materials in the process of manufacture, and represents the fund available for the payment of wages, taxation, rent, interest, insurance, &c., and profit.

It is considered that owing to the duplication of materials used, the finished produce of one process of manufacture forming, as it often does, the raw material for another, an inaccurate impression would be obtained by using the total value of output of manufacturing industries in year to year comparisons. Woollen manufactures might be cited as an example. Greasy wool forms the raw material for the wool-scouring industry, the product of which is scoured wool. This is afterwards combed into wool tops which are used in the spinning mills for the manufacture of yarn. In due course the yarn is woven into cloth, the raw material for the clothing industry. If these processes are carried out separately in different factories it is evident that the value of the wool would be counted five times by using value of output as the basis for annual comparisons of manufacturing production.

The concept of "Added value" prevents this double counting, gives a truer picture of the relative economic importance of industries, and also provides a good basis for estimating and comparing productive efficiency in manufacturing.

The following table shows the value added per person employed in each class of manufacturing industry during each of the years ended 30th June, 1953 and 1954:—

VICTORIA—VALUE ADDED BY PROCESS OF MANUFACTURE,
1952-53 and 1953-54.

Class of Industry.	Year ended 30th June, 1953.			Year ended 30th June, 1954.		
	Average Number of Persons Employed.	Value Added	Value Added per Person Employed.	Average Number of Persons Employed.	Value Added	Value Added per Person Employed.
		£	£		£	£
1. Treatment of non - metallic mine and quarry products ..	5,431	6,862,460	1,264	5,629	7,730,064	1,373
2. Bricks, pottery, glass, &c. ..	4,879	5,209,122	1,068	5,532	6,205,479	1,122
3. Chemicals, dyes, explosives, paint, oils, and grease ..	13,781	21,506,351	1,561	14,104	27,345,850	1,939
4. Industrial metals, machines, implements, and conveyances ..	109,740	123,089,016	1,122	116,812	138,568,854	1,186
5. Precious metals, jewellery, and plate ..	2,656	2,646,325	996	2,777	3,103,495	1,118
6. Textiles and textile goods (not dress) ..	32,148	36,218,750	1,127	37,753	43,859,825	1,162
7. Skins and leather (not clothing or footwear) ..	5,338	6,616,799	1,240	5,436	6,464,401	1,189
8. Clothing ..	43,901	36,688,718	836	47,196	41,286,274	875
9. Food, drink, and tobacco ..	38,139	51,321,619	1,346	37,740	55,231,383	1,463
10. Woodworking and basket-ware ..	14,184	14,473,068	1,020	14,595	16,382,704	1,122
11. Furniture, bedding, &c. ..	5,977	6,001,156	1,004	6,048	6,300,646	1,042
12. Paper, stationery, printing, book-binding, &c. ..	18,211	23,659,049	1,299	18,898	27,373,041	1,448
13. Rubber ..	4,291	7,091,989	1,653	5,371	9,296,150	1,731
14. Musical instruments ..	229	190,214	831	298	295,838	993
15. Miscellaneous products ..	7,750	8,139,967	1,050	8,937	10,356,587	1,159
16. Heat, light and power ..	4,104	8,318,225	2,027	4,151	8,514,125	2,051
Total ..	310,759	358,032,828	1,152*	331,277	408,314,716	1,233*

* Average for all Industries.

As added value is based on value of output, the added value per employee is affected not only by output per employee, but also by the price obtained, and should, therefore, in a comparison of the results of different years, be corrected to allow for variations in price levels. Other important factors are the quantity and the efficiency of the machinery used in the process of manufacture.

The table hereunder summarizes the total value added by the process of manufacturing in each of the past ten years:—

VICTORIA—VALUE ADDED BY PROCESS OF MANUFACTURE.

Year Ended 30th June—	Value of Output.	Expenses of Manufactur- ing.*	Value Added.	Average Number of Persons Employed.	Value Added per Person Employed.
	£	£	£		£
1945 ..	287,422,311	165,045,004	122,377,307	257,633	475
1946 ..	286,989,408	166,738,921	120,250,487	256,249	469
1947 ..	315,437,679	183,941,529	131,496,150	265,757	495
1948 ..	377,412,025	218,911,005	158,501,020	278,271	569
1949 ..	446,837,879	264,077,503	182,760,376	292,006	626
1950 ..	526,466,280	307,221,673	219,244,607	303,476	722
1951 ..	675,033,324	399,372,947	275,660,377	316,792	870
1952 ..	833,967,023	499,607,098	334,359,925	324,143	1,032
1953 ..	860,146,161	502,113,333	358,032,828	310,759	1,152
1954 ..	985,505,127	577,190,411	408,314,716	331,277	1,233

* "Expenses of manufacturing" includes the following costs only:—Raw materials, containers, fuel and light, tools replaced, repairs to plant and machinery, lubricating oil, and water.

Production of different industries. The classification of industries, as adopted in 1930, is set out in the next table. The data shown were compiled from returns rendered compulsorily by all factory proprietors in Victoria. It should, however, be noted that, where a factory, engaged in the production of such goods as would entitle it to classification in more than one sub-class of industry, is unable to give separate production costs, &c., in respect thereof, it is classified according to the predominant product of such factory.

VICTORIAN FACTORIES—POWER, WORKERS, MANUFAC

Nature of Industry.	Factories. No.	Rated Horse- power of Engines.	Average Number Employed.		Salaries and Wages Paid. £
			Males.	Females.	
Class 1.—Non-metalliferous Mine and Quarry products					
Briquetting	432	51,264	5,194	237	3,668,774
Lime, Plaster, and Asphalt	1	27,510	425	7	429,861
Fibrous Plaster and Products	27	3,690	377	15	327,945
Marble, Slate, &c.	163	1,687	1,417	63	957,186
Cement and cement goods, &c.	55	2,493	378	11	261,545
Asbestos cement sheets and mould- ings	157	12,051	1,855	45	1,271,032
Other	5	1,962	469	13	375,069
Other	24	1,871	273	83	246,136
Class 2.—Bricks, Pottery, Glass, &c.					
Bricks, tiles, and firebricks	145	28,095	4,511	368	3,534,867
Earthenware, china, and porcelain Other (including Glass and Glass Bottles)	62	17,332	2,181	53	1,698,902
.. .. .	39	4,025	998	180	849,212
.. .. .	44	6,738	1,332	135	986,753
Class 3.—Chemicals, Dyes, Ex- plosives, Paint, Oils, and Grease					
Industrial and heavy chemicals, and acids	328	83,483	10,441	3,340	10,605,032
Pharmaceutical and toilet prepara- tions	65	14,583	1,824	236	1,779,759
Explosives (including fireworks)	57	7,205	1,110	970	1,466,718
White lead, paints, and varnish	9	26,109	2,539	1,211	2,739,720
Oils, mineral	55	5,763	946	238	878,407
Oils, vegetable (including oilcake) Boiling down, tallow refining	18	3,936	663	56	559,205
.. .. .	6	642	65	3	53,633
.. .. .	29	4,053	598	7	511,901
Soap and candles	22	2,730	582	119	554,315
Chemical fertilizers	9	13,452	1,312	45	1,209,300
Inks and polishes	48	2,118	390	225	420,539
Other	10	2,892	412	230	431,635
Class 4.—Industrial Metals, Machines, Implements, and Conveyances					
Smelting, converting, refining of iron and steel	4,834	313,242	99,273	10,467	80,740,863
Foundries (ferrous)	10	8,235	1,078	29	948,754
Plant equipment and machinery	216	8,204	2,380	117	1,810,636
Other engineering	592	66,320	17,603	1,899	14,690,694
Extracting and refining of other metals: Alloys	757	27,039	7,658	499	5,867,069
Electrical machinery, cables and apparatus	23	902	195	23	182,188
Tramcars and rolling stock (Govern- ment)	308	13,770	6,302	1,476	5,537,450
.. .. .	24	19,444	6,939	21	4,922,791
Motor vehicles— Construction and assembly	19	18,013	6,315	577	6,236,974
Repairs	1,628	10,355	11,469	898	7,277,467
Motor bodies	279	12,949	5,807	309	4,454,044
Horse-drawn vehicles	35	257	122	3	62,232
Motor accessories	59	7,295	1,848	602	1,742,748
Aircraft	20	14,606	7,460	683	6,671,690
Cycles (foot and hand driven), and accessories	48	757	274	30	180,009
Ship and boat building— Government	4	5,886	1,466	47	1,159,190
Municipal and other	31	2,013	602	6	542,679
Cutlery and small hand tools	51	8,957	1,480	191	1,189,641
Agricultural machines and imple- ments	78	19,956	5,863	382	5,009,716
Non-ferrous metals—rolling and extrusion	4	3,865	392	25	372,631
Founding, casting, &c. (non-ferrous)	151	6,655	2,249	281	1,812,184

TURING COSTS AND VALUE OF PRODUCTION, 1952-53.

Fuel and Light Used.	Lubricating Oil and Water.	Repairs to Plant, &c.	Materials Used, Including Containers.	Articles Produced or Work Done.	Value Added.	Land and Buildings.	Plant and Machinery.
£	£	£	£	£	£	£	£
1,213,398	53,854	539,139	7,298,067	15,966,918	6,862,460	2,257,605	2,782,128
256,011	24,678	72,080	511,445	1,632,160	767,946	322,221	812,654
150,245	4,853	51,981	1,541,869	2,412,610	663,662	169,459	261,332
19,824	3,020	26,380	1,302,867	2,830,007	1,477,916	507,659	173,201
8,671	1,327	16,880	235,973	702,947	440,096	83,963	58,920
728,760	13,206	304,331	2,484,499	5,902,892	2,372,096	761,398	1,162,317
21,453	5,145	43,707	838,690	1,562,533	653,538	256,137	220,504
28,434	1,625	23,780	382,724	923,769	487,206	156,768	93,200
1,683,746	56,375	773,207	2,060,419	9,782,869	5,209,122	1,716,404	2,022,262
753,922	27,875	203,649	332,102	3,592,570	2,275,022	643,359	917,154
212,186	5,803	85,417	210,154	1,669,204	1,155,644	507,350	312,009
717,638	22,697	484,141	1,518,163	4,521,095	1,778,456	565,695	793,099
1,552,179	116,170	1,159,159	33,051,795	57,385,654	21,506,351	10,437,126	11,839,420
325,237	22,906	229,232	3,918,489	8,033,506	3,537,552	1,082,058	1,445,262
95,587	13,080	84,784	3,442,896	6,471,604	2,835,257	2,179,953	901,714
229,257	26,255	137,283	3,599,378	7,892,204	3,900,031	3,746,246	4,943,520
49,825	3,494	62,839	3,865,686	6,454,091	2,472,247	992,837	694,669
185,945	14,780	63,686	4,822,003	7,021,481	1,935,067	268,947	972,639
4,572	218	8,465	676,064	831,561	142,242	33,697	32,885
196,727	8,582	83,609	1,075,506	2,540,069	1,175,645	213,378	241,036
224,628	5,792	184,767	2,683,399	4,534,558	1,435,972	580,473	896,781
142,154	12,299	259,500	6,448,460	9,243,771	2,381,358	753,691	1,171,892
20,808	1,987	29,179	1,711,526	2,872,496	1,108,996	370,179	232,979
77,439	6,687	15,815	808,388	1,490,313	581,984	215,667	301,043
3,473,651	297,730	4,127,169	112,448,593	243,436,159	123,089,016	42,658,487	35,833,345
242,178	3,230	121,682	590,339	2,333,649	1,376,220	470,907	627,128
206,982	6,957	89,823	1,261,933	4,246,771	2,681,076	819,304	624,873
563,937	55,510	888,680	18,639,206	43,086,439	22,939,106	8,013,170	7,297,348
148,545	20,402	201,557	6,310,058	15,994,654	9,314,092	3,490,817	3,055,233
28,547	474	12,067	1,346,111	2,014,163	626,964	147,873	83,501
181,065	11,797	224,331	8,660,502	19,016,456	9,938,761	2,804,733	2,316,579
195,012	3,698	286,221	3,058,303	9,877,704	6,334,470	1,561,466	616,390
271,934	39,070	194,861	10,623,165	21,893,984	10,764,954	2,550,358	2,854,929
154,402	30,763	302,630	6,705,211	18,157,266	10,964,260	6,035,335	2,083,097
102,511	17,338	321,880	8,088,298	14,713,838	6,183,819	2,190,391	1,113,709
2,477	394	1,396	46,006	153,815	103,542	46,312	14,014
77,367	8,890	90,306	1,900,176	4,836,133	2,759,394	1,020,570	845,631
135,615	14,755	153,906	9,214,878	17,277,966	7,758,812	2,625,289	1,921,761
13,526	1,153	11,482	259,870	591,943	305,912	186,771	44,858
26,956	3,067	33,489	984,152	2,289,233	1,241,569	607,323	534,534
14,416	1,415	34,030	238,163	1,071,605	783,581	154,816	108,573
69,277	7,738	41,846	1,180,079	3,864,924	2,565,984	497,469	415,115
360,107	23,836	338,994	6,780,048	14,918,016	7,415,031	1,519,182	2,021,133
47,810	3,263	30,554	2,670,029	3,568,975	817,319	176,719	221,780
118,731	7,933	102,424	2,354,870	5,370,830	2,786,872	1,207,221	980,896

VICTORIAN FACTORIES—POWER WORKERS, MANUFACTURING

Nature of Industry.	Factories.	Rated Horse-power of Engines.	Average Number Employed.		Salaries and Wages Paid.
			Males.	Females.	
Class 4—continued.	No.				£
Sheet metal working, pressing and stamping	298	15,570	5,199	1,278	4,502,181
Pipes, tubes, fittings—ferrous	7	2,362	337	10	262,379
Wire and wireworking (including nails)	53	4,932	1,279	179	1,087,633
Stoves, ovens, and ranges	23	2,519	859	100	742,402
Gas fittings and meters	4	34	233	1	178,584
Lead mills	5	668	52	25	59,140
Sewing machines	10	61	122	21	87,438
Arms, ammunition	9	29,387	2,431	263	1,989,942
Wireless and amplifying apparatus	20	1,292	971	451	974,256
Other metal works	68	939	288	41	186,121
Class 5.—Precious Metals, Jewellery, and Plate	238	6 094	2,140	516	1,688 648
Jewellery	101	891	723	199	584,638
Watches and clocks	18	934	372	174	379,667
Gold, silver, and electroplate	119	4,269	1,045	143	724,343
Class 6.—Textiles and Textile Goods (not dress)	685	87,304	14,600	17,548	19,678,225
Cotton spinning and weaving	45	14,643	1,434	1,570	2,023,314
Wool, worsted, spinning, and weaving, &c.	94	39,260	4,913	5,338	6,381,770
Hosiery and other knitted goods	376	10,512	4,502	8,646	7,358,684
Silk, natural	5	1,942	112	145	140,842
Rayon, nylon, and other synthetic fibres	8	2,926	890	350	855,591
Flax mills	8	1,918	370	31	304,622
Rope and cordage	13	7,681	897	565	1,079,083
Canvas goods, tents, &c.	34	139	252	209	254,811
Bags and sacks	25	364	144	81	132,395
Other	77	7,919	1,086	613	1,147,113
Class 7.—Skins and Leather (not Clothing or Footwear)	294	20,657	4,269	1,069	3,747,236
Furriers and fur dressing	59	406	190	145	189,507
Fellmongery	27	5,643	1,032	6	863,560
Tanning and leather dressing	44	12,964	2,190	159	1,884,012
Saddlery, harness, and whips	12	62	84	43	68,796
Machine belting	10	704	109	24	100,608
Bags and trunks	142	878	664	692	660,753
Class 8.—Clothing	2,512	26,841	14,078	29,823	23,185,084
Tailoring and ready-made clothing	633	2,774	3,119	6,861	5,254,730
Waterproof and oilskin clothing	16	497	118	300	232,198
Dressmaking	666	2,434	1,450	8,627	4,885,833
Millinery	62	624	223	906	581,607
Shirts, collars, and underclothing	159	2,259	589	4,009	2,143,262
Foundation garments	28	667	162	998	622,343
Handkerchiefs, ties, and scarves	28	103	103	418	263,228
Hats and caps	17	970	309	230	348,429
Gloves	25	141	94	345	200,131
Boots and shoes	237	9,316	5,219	5,053	6,155,564
Boot repairing	359	520	631	25	202,200
Boot accessories	37	871	356	196	342,706
Umbrellas and walking sticks	4	9	21	50	37,883
Dyeworks and cleaning	206	5,569	1,604	1,542	1,764,213
Other	35	87	80	263	150,757
Class 9.—Food, Drink, and Tobacco	2,106	172,929	28,658	9,481	26,464,937
Grain milling	37	13,979	1,412	50	1,147,887
Cereal foods and starch	26	9,706	867	450	962,405
Animal and bird foods	7	1,224	153	11	145,510
Chaff-cutting and corn-crushing	74	2,680	296	15	183,362
Bakeries	1,080	6,035	4,043	1,189	2,589,920

COSTS AND VALUE OF PRODUCTION, 1952-53—continued.

Fuel and Light Used.	Lubricating Oil and Water.	Repairs to Plant, &c.	Materials Used, Including Containers.	Articles Produced or Work Done.	Value Added.	Land and Buildings.	Plant and Machinery.
£	£	£	£	£	£	£	£
166,174	13,165	338,343	10,891,227	19,041,179	7,632,270	2,532,338	2,008,042
16,582	999	16,685	523,662	1,054,971	497,043	89,152	104,652
45,348	4,828	78,462	2,235,816	4,204,178	1,929,724	1,136,337	903,746
105,742	3,436	63,138	726,410	2,005,444	1,106,718	280,093	226,771
4,208	61	1,129	68,197	307,713	234,118	32,240	12,866
17,561	732	11,491	475,628	659,973	154,561	69,968	72,653
1,190	253	1,064	24,174	137,550	110,869	57,575	7,934
102,170	8,914	83,330	4,124,084	6,399,253	2,080,755	1,691,092	4,430,059
31,991	2,909	40,638	2,266,579	3,643,664	1,301,547	382,460	188,869
21,290	750	10,730	201,419	613,862	379,673	200,706	96,641
78,669	7,766	69,366	1,899,383	4,701,509	2,646,325	1,235,451	559,875
13,249	1,817	15,743	836,328	1,902,350	1,035,213	418,952	141,436
8,615	999	21,779	549,493	1,004,714	423,828	241,200	188,441
56,805	4,950	31,844	513,562	1,794,445	1,187,284	575,299	229,998
1,444,405	117,889	1,356,149	49,221,989	88,359,182	36,218,750	12,030,463	13,858,387
181,247	13,733	200,364	5,913,336	9,807,362	3,498,682	1,842,300	1,511,525
574,273	47,745	491,278	17,255,655	28,989,839	10,620,888	3,389,329	4,591,247
364,418	30,272	406,401	14,351,825	28,605,240	13,452,324	3,955,095	4,153,319
12,580	651	13,172	399,163	719,235	293,669	163,217	282,758
82,408	4,512	46,114	1,761,602	4,041,061	2,146,425	463,792	967,405
14,600	1,607	20,350	1,318,550	1,965,497	610,390	94,560	77,948
57,755	4,855	80,215	2,563,078	4,486,841	1,780,938	532,228	461,131
3,683	535	5,721	909,246	1,431,288	512,103	204,824	19,132
2,820	704	7,580	560,523	879,980	308,353	113,886	657,266
150,621	13,275	84,954	4,189,011	7,432,839	2,994,978	1,271,232	1,131,656
342,274	58,817	308,873	11,878,841	19,205,604	6,616,799	2,354,879	1,363,550
4,673	603	2,334	266,021	588,594	314,963	222,235	46,329
190,250	30,594	105,527	6,407,657	8,871,544	2,137,516	497,584	390,264
130,017	26,520	181,573	3,610,798	6,626,600	2,677,692	1,028,480	741,186
690	112	749	105,863	199,097	91,683	40,785	6,584
4,361	210	4,210	255,106	436,703	172,816	149,547	52,667
12,283	778	14,480	1,233,396	2,483,066	1,222,129	416,248	126,520
611,080	35,120	708,480	36,442,974	74,486,372	36,688,718	9,847,250	4,733,031
110,964	4,180	88,407	10,687,143	18,910,786	8,020,092	2,137,783	844,361
9,143	304	7,325	453,478	851,507	381,257	108,430	35,612
78,417	2,786	76,230	6,689,265	14,390,919	7,544,221	2,344,594	631,145
21,040	1,803	14,686	676,336	1,632,977	919,112	264,277	87,788
33,047	2,296	57,500	4,872,860	9,235,268	4,269,565	1,127,406	437,327
6,034	1,103	21,094	959,432	1,998,196	1,010,533	287,937	109,500
2,941	313	4,233	829,229	1,504,713	667,997	125,081	17,496
15,054	990	7,282	275,317	824,129	525,486	86,085	62,980
2,249	137	7,422	269,446	599,270	320,016	83,494	31,644
81,912	6,732	282,645	8,772,450	17,729,968	8,586,229	1,503,344	1,340,600
6,248	550	4,065	266,405	797,993	520,275	459,124	108,723
5,993	797	32,540	954,927	1,675,777	681,520	121,246	93,625
366	5	396	60,874	125,365	63,724	22,530	3,289
235,588	13,053	102,175	428,413	-3,640,021	2,860,792	1,078,266	904,795
2,634	71	2,480	247,399	569,483	317,449	97,563	24,146
4,475,159	217,211	2,399,480	133,968,949	192,382,418	51,321,619	24,939,482	21,081,255
210,335	11,222	162,612	16,449,833	19,338,773	2,504,771	1,128,226	1,164,097
194,739	14,826	82,879	4,224,070	6,212,750	1,696,236	953,684	1,242,633
12,612	1,131	21,307	1,331,935	1,637,252	270,262	144,080	60,074
11,496	1,467	8,809	1,260,319	1,601,562	319,471	132,143	70,292
465,213	18,007	200,831	7,614,203	14,771,465	6,473,211	3,484,837	1,852,871

VICTORIAN FACTORIES—POWER, WORKERS, MANUFACTURING

Nature of Industry.	Factories.	Rated Horse-power of Engines.	Average Number Employed.		Salaries and Wages Paid.
			Males.	Females.	
	No.				£
Class 9—continued.					
Biscuits	20	2,629	749	719	908,083
Confectionery	103	10,202	1,414	1,522	1,748,876
Jam, fruit, and vegetable canning	43	12,401	2,150	1,448	2,599,426
Pickles, sauces, and vinegar	23	1,895	469	302	504,010
Bacon curing	16	2,990	646	46	520,920
Butter and cheese factories, &c. .. .	138	34,300	4,533	702	4,171,807
Margarine and butterine	16	570	108	16	87,656
Meat and fish preserving, meat extracts	18	3,626	786	463	972,421
Condiments, coffee, spices, &c. .. .	76	4,228	678	524	787,168
Ice and refrigerating	154	35,182	3,171	123	2,533,992
Aerated waters, cordials, &c. .. .	105	2,994	828	126	584,686
Breweries	7	8,733	1,875	63	1,591,696
Distilleries	6	1,965	189	19	161,494
Winemaking	27	663	130	7	75,533
Cider and Perry	3	75	25	8	20,763
Malting	16	1,999	479	9	474,708
Bottling	22	298	330	88	306,487
Tobacco, cigars, cigarettes	13	2,499	961	1,010	1,321,216
Dried fruits and vegetables	28	2,695	656	208	519,467
Ice Cream	14	2,687	261	141	289,651
Sausage skins	16	328	437	40	361,058
Other	18	6,346	1,012	182	894,735
Class 10.—Woodworking and basket-ware	1,406	111,583	13,614	570	8,941,376
Sawmills	665	77,086	7,051	154	4,631,531
Plywood mills (including veneers)	4	198	33	3	24,542
Joinery	461	17,060	3,933	139	2,556,550
Cooperage	11	727	201	1	120,880
Boxes and cases	95	10,496	1,119	42	713,397
Woodturning, woodcarving, &c. .. .	107	4,958	853	125	583,136
Basket, wicker, bamboo, &c. .. .	23	102	103	4	57,845
Perambulators	23	261	182	64	137,301
Wall and ceiling boards	4	234	59	4	43,491
Other	13	461	80	34	70,703
Class 11.—Furniture, Bedding, &c. .. .	721	16,879	5,149	828	3,435,470
Cabinet and furniture making .. .	554	14,716	4,231	212	2,573,110
Bedding and mattresses	41	1,350	406	230	410,834
Furnishing drapery	54	161	164	275	216,858
Picture frames	17	48	59	22	35,490
Blinds, window, verandah, &c. .. .	55	604	289	89	199,178
Class 12.—Paper, Stationery, Printing, Bookbinding, &c. .. .	778	91,014	13,965	4,246	12,832,946
Newspapers, &c.	111	10,243	2,952	249	2,552,241
Printing—Government, &c. .. .	3	1,223	767	359	778,572
General printing, &c.	476	10,433	5,022	1,794	4,456,629
Stationery and paper products .. .	36	2,333	578	441	684,527
Stereotyping and electrotyping .. .	10	277	115	12	88,337
Process and photo-engraving .. .	17	211	408	27	326,766
Cardboard boxes, cartons, &c. .. .	51	3,235	875	738	1,042,296
Paper bags	21	504	190	207	245,602
Paper making	9	61,996	2,643	205	2,269,515
Pencils, chalks	5	150	31	65	46,883
Other	39	409	384	149	341,578
Class 13.—Rubber	134	41,792	3,462	829	3,333,188
Rubber goods (including tyres made)	42	39,914	2,941	770	2,967,383
Tyre retreading and repairing .. .	92	1,878	521	59	365,805
Class 14.—Musical Instruments .. .	24	452	209	20	149,306
Pianos, player and organs	14	193	116	3	75,652
Other	10	259	93	17	73,654

COSTS AND VALUE OF PRODUCTION, 1952-53—continued.

Fuel and Light Used.	Lubricating Oil and Water.	Repairs to Plant, &c.	Materials Used, Including Containers.	Articles Produced or Work Done.	Value Added.	Land and Buildings.	Plant and Machinery.
£	£	£	£	£	£	£	£
111,692	3,126	45,927	1,608,650	3,514,123	1,744,728	843,282	650,852
159,147	7,240	110,858	4,931,271	8,185,308	2,976,792	954,738	1,236,736
187,335	27,902	232,114	9,428,760	14,752,006	4,875,895	2,007,006	1,822,029
54,317	7,598	73,965	2,760,150	3,860,383	964,353	450,681	310,905
56,124	5,854	28,798	3,822,714	4,808,751	895,261	379,154	202,673
1,169,852	39,612	515,734	39,779,408	49,124,383	7,619,777	3,279,320	4,748,000
15,431	1,435	11,305	513,382	724,696	183,143	61,362	38,804
126,997	15,792	80,297	6,708,576	9,058,117	2,126,455	709,888	550,999
104,998	13,171	59,508	3,870,670	5,941,769	1,893,413	880,362	604,129
379,989	10,085	212,284	658,572	5,214,079	3,953,149	2,432,225	1,378,114
39,777	1,620	41,594	1,492,601	2,793,306	1,217,714	726,679	726,758
403,038	4,603	167,488	5,396,653	8,861,853	2,890,071	2,310,825	986,868
80,813	427	28,058	478,038	886,525	299,189	130,362	313,102
4,743	372	4,305	221,197	401,389	170,772	115,113	61,896
953	33	684	28,144	68,365	39,051	20,119	15,242
154,233	11,658	36,246	3,102,842	4,344,898	1,039,919	1,271,054	609,223
13,275	1,639	12,140	458,281	962,750	477,415	301,340	107,336
32,874	3,503	60,932	8,473,312	11,762,213	3,191,592	829,505	777,632
17,864	1,639	29,832	619,856	1,413,720	744,529	220,723	229,108
39,936	3,509	32,183	1,085,266	1,987,203	826,309	354,105	521,798
15,177	3,713	10,338	795,260	1,362,018	537,530	83,651	48,902
412,199	6,027	128,452	6,854,977	8,792,261	1,390,606	726,018	750,173
421,069	71,036	672,636	16,941,981	32,579,790	14,473,068	4,402,610	4,133,985
308,922	58,044	522,852	9,692,863	18,205,515	7,622,234	1,919,096	2,765,732
886	141	1,291	67,480	110,818	41,020	15,622	6,180
50,268	5,476	66,934	4,218,966	8,221,642	3,879,998	1,462,779	700,679
5,864	1,034	5,803	99,557	262,335	150,072	115,078	40,204
29,381	3,344	41,677	1,481,346	2,668,683	1,112,935	348,396	308,937
16,223	1,934	19,792	715,812	1,748,165	994,404	311,103	196,874
873	28	849	60,093	168,971	107,128	49,740	5,991
2,263	172	3,605	324,012	578,477	248,425	77,741	25,228
1,337	62	3,370	115,568	206,361	86,524	23,331	35,230
5,062	201	6,458	166,284	408,323	230,328	79,724	48,930
65,000	7,080	89,285	6,349,751	12,512,272	6,001,156	2,431,583	872,374
51,836	5,470	66,771	3,534,910	7,827,002	4,168,915	1,718,380	642,842
7,068	968	14,175	1,569,703	2,482,865	890,051	352,806	141,768
2,587	334	1,305	612,388	1,015,926	399,312	162,596	18,180
873	39	740	53,755	131,046	75,639	35,660	3,537
2,636	269	6,294	578,995	1,055,433	467,239	162,141	66,047
792,078	63,244	786,013	26,320,322	51,620,706	23,659,049	10,053,426	16,033,575
74,376	9,860	96,831	5,809,284	4,314,938	1,120,289	3,025,737	3,025,737
13,467	1,415	14,594	677,723	1,758,669	1,051,470	199,869	229,489
94,532	15,143	207,692	6,213,833	14,557,071	8,025,871	2,714,142	3,131,660
17,461	2,443	33,240	1,596,304	2,871,475	1,222,027	485,528	470,500
4,542	128	2,593	47,399	280,553	225,391	36,806	29,737
5,686	742	6,723	103,103	630,697	514,443	108,340	56,042
24,193	3,414	67,304	3,536,524	6,102,668	2,471,233	695,614	991,112
5,462	1,593	9,954	1,304,718	1,716,131	394,404	338,207	168,775
542,448	27,748	330,071	6,205,764	11,798,279	4,692,248	4,138,414	7,758,694
895	388	4,512	157,395	300,105	136,915	40,803	59,107
9,016	370	12,499	668,275	1,299,769	609,609	175,414	112,722
603,284	36,212	447,321	8,411,699	16,590,505	7,091,989	2,230,833	1,966,428
546,667	33,719	400,558	7,504,288	14,728,194	6,242,962	1,769,885	1,700,329
56,617	2,493	46,763	907,411	1,862,311	849,027	460,948	266,099
7,115	486	4,166	124,183	326,164	190,214	89,279	54,504
1,137	235	720	36,579	133,294	94,623	46,674	3,466
5,978	251	3,446	87,604	192,870	95,591	42,605	51,038

VICTORIAN FACTORIES—POWER, WORKERS, MANUFACTURING

Nature of Industry.	Factories.	Rated Horse-power of Engines.	Average Number Employed.		Salaries and Wages Paid.
			Males.	Females.	
	No.				£
Class 15.—Miscellaneous Products	414	19,433	5,071	2,679	5,028,914
Plastic moulding and products ..	112	10,098	2,080	1,046	2,078,235
Brooms and brushes ..	31	640	345	123	288,207
Optical instruments and appliances ..	42	238	280	53	206,564
Surgical instruments and appliances ..	48	685	434	120	354,305
Photographic material (including developing, &c.) ..	34	2,287	739	591	940,891
Toys, games, and sports requisites ..	66	1,465	428	295	366,340
Artificial flowers ..	7	44	27	126	77,523
Other ..	74	4,026	738	325	716,849
Class 16.—Heat, Light, and Power	103	1,024,176	4,090	14	3,642,702
Electric light and power—					
(i) Government ..	11	987,904	1,994	11	1,815,545
(ii) Local Authority ..	33	71,570	545	..	467,149
(iii) Companies ..	24	4,585	57	1	35,265
Gas works—					
(i) Government ..	6	8,973	1,058	..	971,191
(ii) Local Authority ..	6	63	55	..	49,248
(iii) Companies ..	23	1,081	381	2	304,304
Total all Classes	15,154	2,095,238	228,724	8,035	210,877,568

VICTORIAN FACTORIES—POWER, WORKERS, MANUFACTURING

Nature of Industry.	Factories.	Rated Horse-power of Engines.	Average Number Employed.		Salaries and Wages Paid.
			Males.	Females.	
	No.				£
Class 1.—Non-metalliferous Mine and Quarry products	427	52,884	5,366	263	4,274,758
Briquetting ..	1	27,410	419	6	444,363
Lime, Plaster, and Asphalt ..	29	4,017	397	19	364,057
Fibrous Plaster and Products ..	170	1,678	1,449	63	1,019,225
Marble, Slate, &c. ..	56	2,665	367	15	252,500
Cement and cement goods, &c. ..	139	12,733	1,935	46	1,457,589
Asbestos cement sheets and mouldings ..	7	2,252	512	15	456,320
Other ..	25	2,129	287	99	287,154
Class 2.—Bricks, Pottery, Glass, &c.	150	29,521	5,101	431	4,170,670
Bricks, tiles, and firebricks ..	67	18,406	2,356	59	1,982,034
Earthenware, china, and porcelain ..	40	3,920	1,043	216	940,687
Other (including Glass and Glass Bottles) ..	43	7,195	1,702	156	1,247,949
Class 3.—Chemicals, Dyes, Explosives, Paint, Oils, and Grease	340	126,211	10,595	3,509	11,247,851
Industrial and heavy chemicals, and acids ..	66	17,195	1,859	260	1,908,090
Pharmaceutical and toilet preparations ..	62	7,880	1,208	1,095	1,629,862
Explosives (including fireworks) ..	10	26,233	2,462	1,146	2,757,065
White lead, paints, and varnish ..	57	5,979	1,033	273	1,021,726
Oils, minerals ..	16	42,062	711	73	645,268
Oils, vegetable (including oilcake) ..	7	567	61	3	53,777
Boiling down, tallow refining ..	31	4,647	626	8	561,720

COSTS AND VALUE OF PRODUCTION, 1952-53—continued.

Fuel and Light Used.	Lubricating Oil and Water.	Repairs to Plant, &c.	Materials Used, Including Containers.	Articles Produced or Work Done.	Value Added.	Land and Buildings.	Plant and Machinery.
£	£	£	£	£	£	£	£
279,185	21,539	320,011	9,685,936	18,446,638	8,139,967	3,272,278	2,668,121
145,144	11,844	194,798	4,617,837	8,546,498	3,576,875	1,173,237	1,613,080
4,121	711	11,912	613,364	1,145,439	515,331	140,876	91,281
4,200	211	5,088	211,537	594,561	373,525	165,014	53,956
7,282	704	7,994	404,663	915,829	495,186	194,689	99,582
38,880	3,156	4,171	1,260,139	2,566,709	1,260,363	863,325	281,633
12,735	760	14,627	457,772	1,135,106	649,212	224,973	107,987
1,204	52	5,023	65,027	210,390	139,084	23,363	5,672
65,619	4,101	76,398	2,055,597	3,332,106	1,130,391	486,801	414,930
7,312,178	111,538	915,555	5,705,905	22,363,401	8,318,225	5,367,706	27,562,984
6,546,396	29,070	347,362	299	12,574,416	5,651,289	4,124,818	18,982,086
664,638	20,431	67,842	2,155	1,391,143	636,077	646,206	2,368,928
47,882	5,359	11,157	845	129,766	64,523	25,621	113,867
26,777	41,458	379,692	4,008,507	5,828,392	1,371,958	370,047	4,308,154
3,606	668	3,057	106,110	156,656	43,215	11,562	88,722
22,879	14,552	106,445	1,587,989	2,288,028	551,163	189,452	1,701,227
24,354,470	1,272,067	14,676,009	461,810,787	860,146,161	358,032,828	135,324,862	147,365,224

TURING COSTS AND VALUE OF PRODUCTION, 1953-54.

Fuel and Light Used.	Lubricating Oil and Water.	Repairs to Plant, &c.	Materials Used, Including Containers.	Articles Produced or Work Done.	Value Added.	Land and Buildings.	Plant and Machinery.
£	£	£	£	£	£	£	£
1,362,802	67,975	680,680	7,753,662	17,595,183	7,730,064	2,467,007	2,962,012
275,056	27,128	65,358	549,736	1,749,117	831,839	325,027	799,604
149,536	5,873	62,797	1,570,131	2,615,251	826,914	191,105	277,279
26,763	3,802	26,527	1,302,504	2,887,291	1,527,695	528,222	174,568
8,825	1,489	14,022	219,630	686,636	442,670	79,892	55,732
820,936	16,646	423,625	2,809,445	6,710,900	2,640,248	325,507	324,120
29,059	10,077	51,924	912,400	1,907,321	903,861	824,986	1,166,304
52,627	2,960	36,427	389,816	1,038,667	556,837	192,268	164,405
1,775,151	63,949	1,015,974	2,631,783	11,692,336	6,205,479	1,861,565	2,084,667
845,044	31,350	226,356	451,337	4,414,527	2,860,440	749,991	947,659
233,177	5,911	87,802	232,556	1,843,636	1,284,190	538,508	342,643
696,930	26,688	701,816	1,947,890	5,434,173	2,060,849	573,066	794,365
1,816,282	143,910	1,209,916	40,321,022	70,836,980	27,345,850	13,229,445	21,036,932
360,930	29,176	253,558	5,148,445	9,848,767	4,056,658	1,415,733	2,292,389
116,164	16,157	109,731	4,399,454	8,395,958	3,754,452	2,754,349	1,045,369
233,150	29,880	130,553	4,028,343	8,573,030	4,151,104	4,006,362	5,253,983
60,878	4,911	63,894	4,905,152	8,205,232	3,170,397	1,071,618	766,301
393,160	24,176	77,518	8,262,878	12,604,344	3,846,612	1,548,651	8,586,076
5,450	316	5,584	561,177	822,580	250,053	28,816	31,180
194,551	10,512	82,096	1,350,956	3,029,397	1,391,282	253,997	298,204

VICTORIAN FACTORIES—POWER, WORKERS, MANUFACTURING

Nature of Industry.	Factories.	Rated Horse-power of Engines.	Average Number Employed.		Salaries and Wages Paid.
			Males.	Females.	
Class 3—continued.	No.				£
Soap and candles	23	2,711	560	120	562,584
Chemical fertilizers	9	13,717	1,290	46	1,210,919
Inks and polishes	50	2,489	416	250	467,436
Other	9	2,731	306	233	417,221
Class 4.—Industrial Metals, Machines, Implements, and Conveyances	5,101	330,435	105,395	11,417	89,637,013
Smelting, converting, refining of iron and steel	10	8,650	1,098	35	1,006,430
Foundries (ferrous)	204	8,093	2,352	78	1,827,025
Plant equipment and machinery	616	63,385	18,201	2,059	16,120,490
Other engineering	787	28,917	8,134	568	6,582,568
Extracting and refining of other metals: Alloys	21	655	229	29	228,228
Electrical machinery, cables and apparatus	331	17,213	7,098	1,777	6,486,409
Tramcars and rolling stock (Government)	24	19,910	7,233	24	5,432,922
Motor vehicles—					
Construction and assembly	20	19,195	7,529	496	7,288,611
Repairs	1,771	11,312	11,801	944	7,746,736
Motor bodies	317	13,328	6,499	329	5,246,977
Horse-drawn vehicles	31	245	107	3	56,279
Motor accessories	64	7,422	2,071	740	2,055,528
Aircraft	21	15,410	8,167	688	7,465,485
Cycles (foot and hand driven), and accessories	48	726	309	31	212,571
Ship and boat building—					
Government	4	6,695	1,392	54	1,115,799
Municipal and other	31	2,056	582	8	489,678
Cutlery and small hand tools	54	11,730	1,813	292	1,570,303
Agricultural machines and implements	76	19,729	5,955	330	5,331,907
Non-ferrous metals—rolling and extrusion	4	3,781	434	25	443,057
Founding, casting, &c. (non-ferrous)	150	7,507	2,334	338	1,943,972
Sheet metal working, pressing and stamping	312	15,473	5,158	1,317	4,724,517
Pipes, tubes, fittings—ferrous	6	2,513	333	10	307,389
Wire and wireworking (including nails)	55	5,636	1,491	216	1,337,964
Stoves, ovens, and ranges	22	2,632	908	121	852,233
Gas fittings and meters	4	38	247	2	198,143
Lead mills	5	687	56	24	58,946
Sewing machines	9	59	113	22	99,143
Arms, ammunition	8	29,815	2,240	193	1,866,350
Wireless and amplifying apparatus	22	1,629	1,174	623	1,304,534
Other metal works	74	994	337	41	237,119
Class 5.—Precious Metals, Jewellery, and Plate	240	5,932	2,255	522	1,960,050
Jewellery	97	902	801	268	749,839
Watches and clocks	18	698	249	77	241,085
Gold, silver, and electroplate	125	4,332	1,205	177	969,126
Class 6.—Textiles and Textile Goods (not dress)	731	91,493	17,015	20,738	24,546,288
Cotton spinning and weaving	46	15,165	1,957	2,140	2,897,213
Wool, worsted, spinning, and weaving, &c.	93	39,324	5,500	6,155	7,621,760
Hosiery and other knitted goods	420	12,013	5,225	10,165	9,159,653
Silk, natural	5	2,137	140	154	187,124

COSTS AND VALUE OF PRODUCTION, 1953-54—continued.

Fuel and Light Used.	Lubricating Oil and Water.	Repairs to Plant, &c.	Materials Used, Including Containers.	Articles Produced or Work Done.	Value Added.	Land and Buildings.	Plant and Machinery.
£	£	£	£	£	£	£	£
211,718	7,571	202,114	3,062,621	5,257,271	1,773,247	718,249	1,070,899
163,229	13,769	221,196	5,920,490	9,240,751	2,922,067	754,092	1,148,888
22,503	1,986	31,407	1,926,749	3,337,579	1,354,934	473,386	251,545
53,287	5,456	32,071	754,757	1,425,778	625,868	204,192	293,998
3,906,336	381,441	4,933,904	133,371,456	281,161,991	138,568,854	50,912,463	39,687,162
231,766	10,795	143,523	742,624	2,430,984	1,302,276	514,280	682,764
221,759	5,998	82,747	1,394,526	4,405,294	2,700,264	814,130	595,382
608,285	69,643	918,737	22,280,718	50,240,443	26,363,060	9,318,213	8,031,872
182,211	26,535	228,033	7,611,969	18,510,051	10,461,303	4,224,179	3,363,449
33,773	723	12,998	1,986,561	2,596,068	562,013	186,757	102,584
227,023	14,877	280,346	12,598,973	23,420,433	10,299,214	3,771,110	2,552,583
193,601	3,933	329,920	3,823,673	11,349,007	6,997,880	1,682,676	723,295
392,573	71,300	627,692	15,035,625	30,111,809	13,984,619	3,592,101	3,874,131
173,043	34,997	290,720	7,615,673	19,655,849	11,541,416	7,597,780	2,329,587
140,366	17,246	334,643	10,254,300	18,480,616	7,734,061	2,188,003	1,122,352
2,447	436	2,120	39,323	135,479	91,153	44,518	14,218
85,379	11,569	110,168	2,495,770	5,875,125	3,172,239	1,085,918	925,346
156,528	16,343	188,354	4,830,294	14,547,147	9,355,628	3,975,576	2,034,217
13,962	1,297	7,665	397,717	812,527	391,886	189,952	44,565
28,701	3,678	52,101	725,122	2,021,199	1,211,597	612,279	612,044
12,273	2,275	31,374	238,504	1,013,964	729,538	173,113	99,574
88,935	9,282	66,811	1,427,315	5,082,003	3,489,660	743,325	657,639
376,975	25,582	411,188	8,188,661	16,691,518	7,689,112	1,456,906	1,995,436
59,063	3,898	39,658	3,483,873	4,724,864	1,138,372	176,787	214,417
121,954	7,215	110,454	2,667,622	6,137,514	3,230,269	1,365,402	1,074,063
181,863	16,527	326,294	12,092,108	20,165,403	7,548,611	2,829,534	2,234,743
13,906	1,095	18,055	466,093	970,970	471,821	95,717	115,296
68,700	6,509	114,911	3,631,118	6,198,346	2,377,108	1,278,892	981,228
124,124	4,242	58,320	755,721	2,210,393	1,267,986	289,305	259,963
5,067	132	1,177	42,611	297,155	248,168	33,723	13,750
14,372	536	10,261	502,932	720,400	192,299	55,002	76,884
1,487	171	1,447	28,225	112,437	81,107	60,605	4,103
87,710	10,026	74,133	4,826,043	6,873,684	1,875,772	1,719,641	4,548,881
40,361	3,814	47,235	2,960,113	4,669,946	1,616,423	574,553	292,422
18,129	767	12,819	227,649	704,363	444,999	262,486	110,374
94,706	8,516	80,134	2,259,137	5,545,988	3,103,495	1,236,576	479,135
17,515	1,923	22,823	1,038,771	2,279,331	1,198,299	447,346	146,560
5,893	396	3,659	412,768	751,635	328,919	153,130	50,963
71,298	6,197	53,652	807,598	2,515,022	1,576,277	636,100	281,612
1,637,680	148,540	1,575,572	61,025,831	108,247,448	43,859,825	13,902,210	15,468,612
229,502	18,837	261,883	7,679,436	12,848,001	4,658,343	1,930,718	1,533,682
612,151	59,879	486,506	22,105,459	35,292,642	12,078,647	3,698,311	5,169,298
407,728	36,550	525,316	17,937,085	35,987,732	17,081,053	4,598,502	5,049,642
17,586	644	29,107	485,643	900,004	367,024	182,172	383,014

VICTORIAN FACTORIES—POWER, WORKERS, MANUFACTURING

Nature of Industry.	Factories.	Rated Horse-power of Engines.	Average Number Employed.		Salaries and Wages Paid.
			Males.	Females.	
Class 6—continued.	No.				£
Rayon, nylon, and other synthetic fibres	7	3,686	1,073	403	1,052,187
Flax mills	7	1,656	323	19	285,354
Rope and cordage	12	8,058	931	594	1,189,820
Canvas goods, tents, &c.	37	147	275	211	295,200
Bags and sacks	24	371	151	104	150,118
Other	80	8,936	1,440	793	1,707,859
Class 7.—Skins and Leather (not Clothing or Footwear)	294	21,336	4,280	1,156	3,949,154
Furriers and fur dressing	57	406	195	153	198,670
Fellmongery	27	5,784	1,016	5	880,766
Tanning and leather dressing	44	13,374	2,191	194	1,939,965
Saddlery, harness, and whips	12	57	82	45	71,083
Machine belting	10	734	102	18	95,459
Bags and trunks	144	981	694	741	763,211
Class 8.—Clothing	2,560	27,850	14,836	32,360	26,556,059
Tailoring and ready-made clothing	648	2,914	3,139	7,454	5,954,120
Waterproof and oilskin clothing	15	598	123	320	273,472
Dressmaking	658	2,610	1,459	8,738	5,307,561
Millinery	67	622	249	863	596,406
Shirts, collars, and underclothing	163	2,251	599	4,676	2,820,270
Foundation garments	29	678	193	1,264	785,485
Handkerchiefs, ties, and scarves	29	83	83	377	232,300
Hats and caps	17	845	305	246	381,915
Gloves	28	148	68	362	195,192
Boots and shoes	239	9,310	5,710	5,692	7,114,644
Boot repairing	359	542	669	30	236,673
Boot accessories	35	900	376	219	384,408
Umbrellas and walking sticks	4	11	23	65	42,816
Dyeworks and cleaning	227	5,987	1,728	1,681	1,939,439
Other	42	351	112	373	241,358
Class 9.—Food, Drink, and Tobacco	2,089	182,312	27,927	9,813	27,395,009
Grain milling	37	14,007	1,192	48	1,057,925
Cereal foods and starch	25	10,607	880	445	991,042
Animal and bird foods	8	1,398	170	22	171,780
Chaff-cutting and corn-crushing	77	2,807	300	18	207,112
Bakeries	1,078	6,396	4,127	1,200	2,852,675
Biscuits	21	2,948	741	796	948,071
Confectionery	99	12,016	1,427	1,636	1,960,725
Jam, fruit, and vegetable canning	41	12,671	2,004	1,614	2,750,959
Pickles, sauces, and vinegar	23	1,959	427	269	492,034
Bacon curing	16	2,851	582	41	460,726
Butter and cheese factories, &c.	135	36,073	4,480	684	4,333,872
Margarine and butterine	15	553	105	16	91,770
Meat and fish preserving, meat extracts	16	2,931	650	414	844,824
Condiments, coffee, spices, &c.	74	4,613	628	534	773,017
Ice and refrigerating	150	35,865	3,062	138	2,581,130
Aerated waters, cordials, &c.	103	2,980	813	122	612,788
Breweries	7	9,396	2,088	64	1,730,707
Distilleries	7	1,985	161	26	161,374
Winemaking	25	681	123	4	73,942
Cider and Perry	3	72	21	7	19,548
Malting	16	3,723	463	8	477,117
Bottling	25	440	331	92	329,845
Tobacco, cigars, cigarettes	12	2,519	970	1,053	1,437,632
Dried fruits and vegetables	29	2,496	598	215	482,866
Ice Cream	13	2,786	269	155	338,644
Sausage skins	14	289	407	33	352,352
Other	20	7,250	908	159	860,602

COSTS AND VALUE OF PRODUCTION, 1953-54—continued.

Fuel and Light Used.	Lubricating Oil and Water.	Repairs to Plant, &c.	Materials Used, Including Containers.	Articles Produced or Work Done.	Value Added.	Land and Buildings.	Plant and Machinery.
£	£	£	£	£	£	£	£
100,422	5,095	78,878	2,091,219	5,150,579	2,874,965	478,150	984,178
13,256	1,465	16,256	859,563	1,358,003	467,463	93,507	70,872
60,792	5,010	82,131	2,681,428	4,906,778	2,077,417	1,022,060	675,891
4,749	515	5,744	1,096,541	1,657,246	549,697	264,913	34,560
2,887	667	7,246	598,864	847,722	238,058	121,302	81,784
188,607	19,878	132,505	5,490,593	9,298,741	3,467,158	1,512,575	1,485,891
347,453	72,139	284,192	12,427,585	19,595,770	6,464,401	2,444,868	1,392,280
4,939	789	4,775	847,578	800,858	442,777	231,208	43,486
187,514	38,979	106,601	6,495,312	8,145,140	1,316,734	495,991	365,607
135,364	30,805	153,442	3,810,292	7,173,631	3,043,728	1,052,556	783,430
786	126	556	118,471	234,634	114,695	43,895	6,791
5,312	272	3,172	224,420	421,629	188,453	149,937	52,714
13,538	1,168	15,646	1,431,512	2,820,478	1,358,614	471,281	140,252
666,993	40,012	785,368	43,252,587	86,031,234	41,286,274	10,687,492	5,291,814
122,503	4,084	99,436	12,424,392	21,899,240	9,248,825	2,315,555	907,433
10,108	380	8,043	540,361	1,010,308	451,416	115,176	35,630
87,560	3,139	87,895	7,844,712	16,187,113	8,163,807	2,389,752	668,812
21,108	1,157	24,203	735,609	1,754,954	972,877	309,513	79,252
39,263	2,218	59,392	5,940,294	11,139,394	5,098,227	1,287,622	457,966
6,714	1,347	28,838	1,321,076	2,381,063	1,028,088	355,237	148,995
3,020	163	2,594	769,665	1,215,812	440,370	154,146	15,814
13,934	1,105	6,756	267,323	780,679	491,561	82,899	66,356
2,325	131	6,073	235,410	527,244	283,305	73,308	32,573
92,293	7,572	308,947	10,750,344	21,025,593	9,866,437	1,604,864	1,711,239
7,177	631	4,656	282,689	866,166	571,013	514,192	75,733
7,079	1,138	29,325	1,082,900	1,927,557	807,115	133,064	92,460
445	5	503	66,430	138,549	71,166	26,430	3,260
250,148	16,803	118,958	518,199	4,243,578	3,339,470	1,191,956	953,571
3,316	139	4,749	473,183	933,984	452,597	133,774	42,720
4,458,618	225,792	2,469,591	143,849,851	206,235,235	55,231,383	27,162,762	23,979,469
166,519	10,902	123,599	14,824,173	17,530,997	2,405,804	1,164,232	1,226,794
211,967	16,713	93,689	5,006,830	7,294,681	1,965,882	997,766	1,331,163
13,735	1,101	22,254	1,797,270	2,142,882	308,522	148,181	76,536
12,979	1,531	7,380	1,427,798	1,795,490	345,802	148,949	73,713
497,910	17,435	220,244	8,712,938	16,190,669	6,742,142	3,913,899	2,276,859
126,053	3,338	57,361	1,913,719	3,904,448	1,803,977	881,522	790,015
155,110	7,594	128,625	5,873,032	9,303,471	3,139,110	985,339	1,333,615
206,460	28,935	235,752	10,881,441	17,965,199	6,612,611	2,131,951	2,141,229
50,864	9,119	59,754	2,375,368	3,423,460	934,355	408,923	302,098
52,619	6,487	29,032	3,638,205	4,909,438	1,183,095	306,904	170,324
1,274,215	40,245	556,963	42,785,268	53,299,929	8,643,238	4,217,201	5,545,539
12,463	1,628	13,186	542,131	804,084	234,676	67,603	43,996
93,511	12,841	63,192	5,091,852	6,526,100	1,264,704	629,918	477,185
88,775	13,605	55,569	3,841,502	5,912,171	1,912,720	880,388	591,165
387,134	10,214	241,696	583,177	4,966,668	3,744,447	2,708,580	1,468,809
39,604	2,545	53,878	1,582,444	2,973,476	1,295,005	762,975	733,064
395,385	5,020	165,197	6,895,444	10,509,751	3,048,705	2,351,068	1,318,513
61,927	354	17,503	440,979	866,375	345,612	136,329	300,952
7,388	372	3,215	214,919	412,457	186,563	115,602	73,705
907	70	1,153	24,301	60,286	33,855	29,364	13,754
162,563	14,851	47,698	3,913,627	5,224,184	1,085,445	1,394,525	901,098
13,731	1,903	12,659	387,432	904,381	488,656	343,963	121,202
33,633	4,220	82,139	10,288,429	14,498,207	4,089,786	841,731	1,014,396
18,411	1,650	42,504	572,233	1,334,684	699,886	277,723	270,698
42,972	3,880	35,876	1,167,097	2,098,379	848,554	497,056	502,181
15,532	3,726	18,059	517,269	1,090,406	535,820	83,119	47,914
316,251	5,513	87,414	8,550,973	10,292,962	1,332,811	737,983	832,952

VICTORIAN FACTORIES—POWER, WORKERS, MANUFACTURING

Nature of Industry.	Factories.	Rated Horse-power of Engines.	Average Number Employed.		Salaries and Wages Paid.
			Males.	Females.	
	No.				£
Class 10.—Woodworking and basket-ware	1,411	113,372	13,953	642	9,640,927
Sawmills	640	76,210	7,134	189	4,929,982
Plywood mills (including veneers)	4	191	32	3	29,804
Joinery	493	19,919	4,223	161	2,830,820
Cooperage	9	436	142	..	113,517
Boxes and cases	95	10,414	1,065	46	722,284
Woodturning, woodcarving, &c.	107	5,040	913	137	658,502
Basket, wicker, bamboo, &c.	23	105	100	4	58,190
Perambulators	23	270	187	61	160,502
Wall and ceiling boards	4	320	73	5	52,930
Other	13	467	84	36	84,396
Class 11.—Furniture, Bedding, &c.	709	17,848	5,195	853	3,701,862
Cabinet and furniture making	549	14,624	4,237	210	2,719,519
Bedding and mattresses	38	2,406	422	246	456,939
Furnishing drapery	54	181	166	264	227,610
Picture frames	16	46	58	25	40,578
Blinds, window, verandah, &c.	52	501	312	108	257,221
Class 12.—Paper, Stationery, Printing, Bookbinding, &c.	792	92,305	14,402	4,496	14,358,453
Newspapers, &c.	113	10,035	3,109	271	2,829,460
Printing—Government, &c.	3	1,230	755	353	812,588
General printing, &c.	485	10,204	4,879	1,738	4,630,427
Stationery and paper products	37	2,283	607	473	729,714
Stereotyping and electrotyping	9	277	114	11	98,823
Process and photo-engraving	17	219	401	27	373,251
Cardboard boxes, cartons, &c.	55	4,277	1,090	972	1,457,060
Paper bags	19	571	187	208	263,078
Paper making	9	62,549	2,891	181	2,735,549
Pencils, chalks	6	216	55	131	112,855
Other	39	444	314	131	306,639
Class 13.—Rubber	133	42,608	4,286	1,085	4,533,262
Rubber goods (including tyres made)	46	40,958	3,776	1,028	4,147,602
Tyre retreading and repairing	87	1,650	510	57	385,660
Class 14.—Musical Instruments	24	595	260	38	206,530
Pianos, player and organs	13	195	107	3	73,129
Other	11	400	153	35	133,401
Class 15.—Miscellaneous Products	431	19,918	5,695	3,242	6,034,142
Plastic moulding and products	118	10,517	2,461	1,410	2,656,980
Brooms and brushes	27	645	359	156	329,758
Optical instruments and appliances	40	206	277	49	224,485
Surgical instruments and appliances	51	761	443	109	378,047
Photographic material (including developing, &c.)	37	2,247	742	613	968,058
Toys, games, and sports requisites	70	1,550	521	383	494,969
Artificial flowers	7	35	32	146	89,096
Other	81	3,957	860	376	892,749
Class 16.—Heat, Light, and Power	101	1,233,617	4,137	14	3,824,558
Electric light and power—					
(i) Government	15	1,097,923	2,104	12	1,951,523
(ii) Local Authority	28	120,836	519	..	448,064
(iii) Companies	24	4,711	55	..	31,939
Gas works—					
(i) Government	5	8,906	1,026	..	1,017,206
(ii) Local Authority	6	63	45	..	46,582
(iii) Companies	23	1,178	388	2	329,294
Total all Classes	15,533	2,388,237	240,698	90,579	236,036,586

COSTS AND VALUE OF PRODUCTION, 1953-54—continued.

Fuel and Light Used.	Lubricating Oil and Water.	Repairs to Plant, &c.	Materials Used, Including Containers.	Articles Produced or Work Done.	Value Added.	Land and Buildings.	Plant and Machinery.
£	£	£	£	£	£	£	£
458,383	75,034	738,002	19,141,249	36,795,372	16,382,704	4,829,316	4,462,531
329,402	61,490	573,863	10,811,987	20,338,269	8,561,527	2,032,121	2,909,476
1,135	158	1,053	85,633	129,531	41,552	20,302	6,010
63,734	6,194	80,103	4,764,332	9,369,022	4,454,659	1,700,595	875,045
4,335	928	3,474	70,042	221,341	142,562	100,836	25,150
29,417	3,300	37,520	1,657,160	2,850,233	1,122,836	362,870	318,451
18,555	2,373	28,954	909,745	2,195,674	1,236,047	336,963	216,713
863	31	905	66,079	178,568	110,690	56,576	5,987
2,669	188	3,912	393,514	660,901	260,618	89,617	29,481
1,648	98	5,040	138,863	290,422	144,773	51,687	30,159
6,625	274	3,178	243,894	561,411	307,440	77,749	46,059
68,377	7,226	93,083	6,971,118	13,440,450	6,300,646	2,582,028	874,536
54,880	5,856	67,310	3,909,946	8,376,561	4,338,569	1,807,921	622,383
6,950	783	1,737,175	1,737,175	2,724,935	962,482	391,129	162,742
2,717	286	2,425	637,724	1,070,848	427,696	156,907	20,894
871	46	635	46,756	120,901	72,593	37,485	3,781
2,959	255	5,168	639,517	1,147,205	499,306	188,586	64,736
1,017,055	79,919	922,853	30,446,440	59,839,308	27,373,041	10,995,061	16,633,277
92,966	11,827	106,364	6,461,974	11,515,448	4,842,317	1,230,180	2,916,887
14,153	1,410	11,330	679,966	1,731,489	1,024,630	199,924	252,434
96,164	14,313	206,497	6,057,996	13,926,705	7,551,735	3,096,756	3,364,916
18,559	1,638	41,280	1,589,886	2,910,519	1,259,156	573,390	495,175
5,143	138	3,049	72,352	271,376	190,694	41,433	28,851
6,145	646	4,286	116,845	685,110	557,188	104,067	59,191
37,061	4,059	88,189	5,036,759	8,578,996	3,412,828	923,869	1,238,664
8,083	861	11,401	1,343,727	2,005,243	641,171	348,062	180,496
728,145	44,274	432,077	7,988,131	16,207,370	7,014,743	4,232,117	7,927,544
1,814	284	8,832	292,910	554,025	250,185	55,007	53,800
8,822	469	9,548	805,894	1,453,127	628,394	190,256	115,310
723,205	50,828	589,283	10,961,527	21,620,993	9,296,150	2,632,324	2,287,052
665,632	48,064	547,250	10,075,788	19,823,912	8,487,178	2,123,871	1,983,520
57,573	2,764	42,033	885,739	1,797,081	808,972	508,953	303,532
10,813	721	11,170	230,921	549,463	295,838	104,339	85,501
1,087	253	1,022	32,553	148,221	113,306	46,849	4,980
9,726	468	10,148	198,368	401,242	182,532	57,490	80,521
311,838	26,682	368,093	11,313,122	22,376,322	10,356,587	3,628,780	3,152,761
174,282	13,792	221,921	5,509,864	10,935,546	5,015,687	1,397,776	1,871,252
4,587	774	15,116	699,137	1,300,378	580,764	150,554	97,414
4,717	190	4,865	191,358	561,679	360,549	184,709	54,000
8,451	1,004	9,151	451,827	1,038,040	567,607	241,558	118,737
33,593	3,954	4,599	1,139,744	2,512,143	1,330,253	863,284	375,941
15,574	970	16,157	627,644	1,473,405	813,060	242,133	123,074
1,303	81	5,692	72,349	225,893	146,468	24,458	8,346
69,331	5,917	90,592	2,621,199	4,329,238	1,542,199	524,308	503,997
8,883,498	147,763	825,036	5,570,632	23,941,054	8,514,125	9,532,895	41,180,779
8,144,221	34,215	333,745	234	14,508,072	5,995,657	8,075,022	32,020,068
646,584	18,417	57,939	1,309	1,524,439	800,190	814,696	2,785,185
51,235	7,404	10,150	1,202	136,235	66,244	32,517	119,941
23,996	48,541	321,797	3,795,653	5,190,726	1,000,739	404,213	4,240,696
993	491	3,945	89,967	109,783	14,387	11,519	100,614
16,469	38,695	97,460	1,682,267	2,471,799	636,908	194,928	1,914,280
27,539,190	1,540,447	16,582,851	531,527,923	985,505,127	408,314,716	158,209,131	181,058,520

INDIVIDUAL INDUSTRIES.

The salient features of the chief industries are set forth in the succeeding pages.

Information given in the tables under this heading relates only to the sub-class of industry mentioned in association with the respective tables, viz. Tanneries (3). It is possible that additional production of certain commodities takes place in other classes of industry—see reference on page 551.

Tanneries. Tanning was one of the earliest industries established in Victoria; in the year 1850 there were thirteen tanneries in the State. Particulars relating to the industry for the year 1943-44 and the past five years are given in the following table:—

VICTORIA—TANNERIES, (7-3).

Item.	Year Ended 30th June—					
	1944.	1950.	1951.	1952.	1953.	1954.
Number of establishments ..	40	46	46	45	44	44
Number of persons employed ..	2,040	2,497	2,489	2,405	2,351	2,385
Horse-power of engines used ..	8,166	11,140	12,257	12,347	12,964	13,374
Value of plant and machinery £	213,672	426,461	555,182	671,232	741,186	783,430
Value of land and buildings £	408,453	582,479	778,051	952,635	1,028,480	1,052,556
Salaries and wages paid £	718,260	1,277,156	1,483,382	1,752,944	1,884,012	1,939,965
Fuel, light, and power £	53,830	88,249	103,342	122,272	130,017	135,364
Value of materials used £	1,961,361	2,720,159	3,145,188	3,170,952	3,610,798	3,810,292
Value of output .. £	3,119,392	5,023,446	5,673,087	6,158,545	6,626,600	7,173,631
Value added to materials £	1,038,157	2,073,889	2,243,598	2,651,773	2,677,692	3,043,728
Materials treated—						
Cattle hides .. No.	975,565	1,123,214	1,107,561	1,087,544	1,130,907	1,148,690
Calf skins .. "	557,206	549,284	555,647	557,546	563,838	545,049
Other skins and pelts .. "	1,382,600	855,300	547,848	340,890	332,124	443,263
Bark used .. tons	6,028	6,330	5,781	5,988	6,644	6,688
Tanning extract (vegetable) used .. '000 lb.	7,222	6,480	6,736	7,392	6,563	6,159
Sole leather produced .. lb.	14,217,629	14,837,098	14,533,206	14,862,616	15,430,880	16,103,750

The value of leather and leather manufactures and substitutes therefor imported into Victoria from overseas countries during the year ended 30th June, 1954, was £237,375, whilst the value exported overseas for the same period amounted to £1,223,831.

Soap, candles, &c. The manufacture of soap was also one of the earliest of Victorian industries. In the year 1850 the recorded production of the four establishments then operating was 5,840 cwt. of soap. The following table indicates the development which has since taken place in Sub-Class 9 of Class 3 of the Statistical Classification of Factories "Soap and Candles".

VICTORIA—SOAP FACTORIES, (3-9).

Item.	Year Ended 30th June—					
	1944.	1950.	1951.	1952.	1953.	1954.
Number of establishments ..	15	19	20	18	22	23
Number of persons employed ..	683	773	792	785	701	680
Horse-power of engines used	2,475	2,631	2,611	2,943	2,730	2,711
Value of plant and machinery £	162,651	540,615	633,776	773,832	896,781	1,070,399
Value of land and buildings £	191,689	332,393	398,531	442,433	580,473	718,249
Salaries and wages paid £	206,954	382,592	480,558	589,473	554,315	562,584
Fuel, light, and power £	62,839	149,895	174,970	221,011	224,628	211,718
Value of materials used £	697,825	1,538,408	1,792,248	2,614,206	2,683,399	3,062,621
Value of output ..	£ 1,442,045	2,927,453	3,395,897	4,149,878	4,534,558	5,257,271
Value added to materials £	634,201	1,162,961	1,320,319	1,141,474	1,435,972	1,773,247
Materials used—						
Tallow .. cwt.	284,786	355,123	397,220	409,389	355,887	412,907
Alkali (exc. Soda Ash) ..	49,995	65,390	65,947	67,902	68,259	79,445
Coconut Oil ..	25,160	25,013	27,950	34,636	31,239	27,497
Soda ash ..	38,611	58,093	69,330	85,628	73,430	79,104
Output—						
Soap, Household .. cwt.	118,622	133,595	153,734	152,344	126,936	142,337
" Sand ..	26,536	8,976	7,766	9,685	5,118	7,305
" Toilet ..	39,406	42,938	46,095	43,706	39,210	34,375
" Extracts and powders ..	117,042	266,977	287,449	360,158	337,407	375,284
" All other ..	64,779	55,597	72,442	63,439	59,129	77,653
Soda crystals ..	12,165	*	*	*	*	*

* Not available for publication.

Additional manufacture of soap takes place in other Sub-classes of industry.

Items of manufacture not specified above include soft, industrial, and flake soaps, candles, glycerine, &c.

Imports from oversea countries into Victorian ports in the year ended 30th June, 1954, included 48,934 lb. of soap, and 1,846,398 lb. of soap substitutes valued at £8,948 and £119,673 respectively.

These industries are grouped because some establishments which produce bricks also manufacture tiles, and others which produce tiles also manufacture pipes and pottery. Factories manufacturing cement bricks, pipes, and tiles are not included herein, but are grouped with those making cement and cement products.

**Bricks,
pottery, pipes,
and tiles.**

VICTORIA—BRICKS, POTTERY, PIPES, AND TILES, (2-1,2-2).

Item.	Year Ended 30th June—					
	1944.	1950.	1951.	1952.	1953.	1954.
Number of establishments ..	51	102	102	102	101	107
Number of persons employed ..	1,518	3,295	3,457	3,631	3,412	3,674
Horse-power of engines used	7,059	17,458	19,885	20,904	21,357	22,326
Value of plant and machinery £	346,442	781,038	888,430	1,166,774	1,229,163	1,290,302
Value of land and buildings £	337,654	780,156	950,414	1,131,972	1,150,709	1,288,499
Salaries and wages paid £	415,919	1,538,705	1,949,066	2,487,714	2,548,114	2,922,721
Fuel, light, and power £	97,958	454,937	596,379	829,998	966,108	1,078,221
Value of materials used £	89,928	357,497	491,089	650,749	542,256	683,893
Value of output ..	£ 756,175	3,152,034	4,047,130	5,123,984	5,261,774	6,258,163
Value added to materials £	535,811	2,181,963	2,740,865	3,373,219	3,430,666	4,144,630
Production—						
Bricks .. (1,000)	26,741	146,877	178,559	185,211	164,266	198,300
Roofing tiles .. (1,000)	505	12,276	12,296	12,415	14,571	15,159
Pipes, agricultural, &c. £	68,352	363,453	389,578	512,305	569,912	628,666
Other earthenware china, &c. £	382,120	803,948	970,955	1,176,129	1,189,225	1,203,285

Sawmills. Detailed information in regard to the sawmills of the State for the five years 1949-50 to 1953-54 is given in the table which follows:—

VICTORIA—SAWMILLS.

Year Ended 30th June.	Number of Mills.	Value of Land and Buildings, Machinery and Plant in Use.	Persons Employed.	Salaries and Wages Paid	Rough-sawn Timber Produced.	
					Quantity.	Value.*
		£		£	super ft.	£
1950 ..	570	2,708,051	6,205	2,522,999	291,107,725	6,518,545
1951 ..	615	3,678,889	6,804	3,317,478	313,870,476	8,431,954
1952 ..	670	4,405,876	7,333	4,283,704	330,998,771	11,606,599
1953 ..	665	4,684,828	7,205	4,631,531	307,673,326	11,998,549
1954 ..	640	4,941,597	7,323	4,929,982	326,936,259	13,185,958

* Estimated.

The figures given in the foregoing table relate to all sawmills which are included in Sub-Class 1 of Class 10 of the Statistical Classification of Factories. Particulars of the production of sawn timber in other factories, e.g., Box and Case Mills, &c., are not included.

It should be noted that the number of persons employed is comprised of those working in the sawmills only—workers engaged in the felling and in the hauling of timber from forest to mill are excluded from the above figures.

Further particulars of sawmills and the 771 other factories which comprise the wood working group will be found on pages 564 and 565.

The value of production of the Agricultural Implement Industry is extremely liable to fluctuation due to seasonal influences and the effects of varying prices of primary products. In the years affected by the requirements of a war economy production in this industry and in metal industries generally was restricted accordingly.

VICTORIA—AGRICULTURAL AND DAIRYING MACHINERY WORKS, (4-20).

Item.	Year Ended 30th June—					
	1944.	1950.	1951.	1952.	1953.	1954.
Number of establishments ..	55	72	71	75	78	76
Number of persons employed	4,401	5,578	6,240	6,879	6,245	6,285
Horse-power of engines used	12,312	16,117	17,383	18,444	19,956	19,729
Value of land and buildings £	578,798	1,255,510	1,430,135	1,489,521	1,519,182	1,456,906
Value of plant and machinery £	698,962	1,501,751	1,789,330	2,012,525	2,021,133	1,995,436
Salaries and wages paid £	1,490,003	2,798,859	3,920,965	5,256,412	5,009,716	5,331,607
Value of materials used £	1,304,551	4,087,125	5,679,940	8,368,272	6,780,048	8,188,661
Fuel, light, and power used £	124,894	166,504	267,762	328,153	360,107	376,975
Value of output .. £	3,435,008	8,348,522	11,894,845	16,575,482	14,918,016	16,691,518

Bacon curing. In the following table particulars of bacon and ham curing establishments are given for the year 1943-44 and the past five years.

VICTORIA—BACON FACTORIES, (9-12).

Item.	Year Ended 30th June—					
	1944.	1950.	1951.	1952.	1953.	1954.
Number of Establishments	18	17	15	15	16	16
Number of persons employed	578	665	719	703	692	623
Horse-power of engines used	3,680	2,384	2,424	2,508	2,990	2,851
Value of land, buildings, plant, &c. .. £	313,956	333,405	388,460	418,795	581,827	477,228
Salaries and wages paid £	174,287	306,253	398,620	468,597	520,920	460,726
Value of materials used £	1,479,040	2,836,474	3,157,207	3,782,525	3,822,714	3,638,205
Value of fuel and light £	24,967	33,142	38,592	40,027	56,124	52,619
Value of output .. £	1,778,395	3,315,312	3,857,839	4,896,842	4,808,751	4,909,438
Pigs slaughtered for curing No.	201,019	177,842	159,605	157,496	134,729	132,859
Bacon and ham cured lb.	21,198,255	21,736,114	17,578,963	17,453,576	15,938,095	16,697,917

The number of butter, cheese and kindred factories in 1953-54 was 135. Of these 95 were making butter, 29 cheese, 7 condensed milk, 27 powdered milk (full cream and skim), 20 dried butter milk and 13 casein. The following table gives some indication of the value of this industry to the State:—

VICTORIA—BUTTER AND CHEESE FACTORIES, ETC. (9-13).

Item.	Year Ended 30th June—					
	1944.	1950.	1951.	1952.	1953.	1954.
Number of establishments	152	144	142	139	138	135
Number of persons employed ..	3,804	4,920	5,184	5,224	5,235	5,164
Horse-power of engines	18,595	26,034	28,363	30,822	34,390	36,073
Value of plant and machinery £	1,367,977	2,311,347	3,126,754	3,903,240	4,748,009	5,545,639
Value of land and buildings .. £	1,448,699	1,888,358	2,367,050	3,147,769	3,279,320	4,217,201
Salaries and wages paid .. £	1,168,650	2,463,922	3,080,981	3,809,599	4,171,807	4,333,802
Fuel, light, and power £	311,100	655,242	729,529	947,568	1,169,852	1,274,215
Value of materials used .. £	11,803,840	25,920,568	25,425,693	33,543,917	39,779,408	42,785,267
Value of output £	14,475,120	30,954,124	32,195,942	42,431,432	49,124,383	53,299,929
Added value £	2,208,267	4,081,198	5,668,515	7,435,168	7,619,777	8,643,238
Articles produced—						
Butter .. lb.	109,456,751	141,922,150	129,879,375	132,688,640	128,403,876	142,499,935
Cheese .. lb.	26,583,732	47,472,051	50,560,459	49,818,290	50,124,787	58,189,407
Condensed milk lb.	73,784,738	84,908,302	81,547,698	88,296,762	94,354,751	80,637,889
Powdered milk—						
Full cream .. lb.	27,423,119	37,551,148	34,707,194	34,773,616	26,717,184	28,913,328
Skim .. lb.	3,510,756	16,827,121	10,034,797	21,567,106	26,282,638	30,786,384
Casein .. lb.	2,740,393	7,077,444	8,437,199	8,163,906	4,222,171	7,682,012

Further particulars relating to butter and cheese factories will be found on pages 556 and 562.

The statistical definition of a factory (see page 549) excludes from enumeration many small bakeries. Particulars relating to 1953-54 include 1,078 bakehouses which come within that definition.

The value quoted is the wholesale selling value of the goods at the factory exclusive of all selling and delivery costs.

Bakeries including bread pastry and cakes.

VICTORIA—BAKERIES, (9-5).

Item.	Year Ended 30th June—					
	1944.	1950.	1951.	1952.	1953.	1954.
Number of factories	728	897	958	1,024	1,080	1,078
Number of persons employed	3,632	4,846	4,860	5,141	5,232	5,327
Horse-power of engines used	3,318	4,751	5,047	5,299	6,035	6,396
Value of land and buildings £	1,490,583	2,607,930	2,634,362	3,098,524	3,484,837	3,913,899
Value of plant and machinery £	464,268	1,015,647	1,181,057	1,510,686	1,852,871	2,276,859
Salaries and wages paid £	995,382	1,616,564	1,873,498	2,318,607	2,589,920	2,852,675
Value of materials used £	2,838,305	4,642,019	5,245,126	6,709,063	7,614,203	8,712,938
Fuel, light, and power used £	133,539	234,603	293,882	401,496	465,213	497,910
Repairs, oil and water used £	54,027	119,071	126,510	187,595	218,838	237,679
Total output	£ 4,887,909	8,583,092	9,758,548	12,678,748	14,771,465	16,190,669
Value added	£ 1,862,038	3,587,399	4,080,759	5,380,594	6,473,211	6,742,142
Value added per worker	£ 513	740	840	1,047	1,237	1,266
Flour used—tons (2,000 lb.)	124,941	134,616	137,552	145,015	146,155	148,771
Bread made—4-lb. loaves	76,747,278	84,494,829	86,002,588	89,748,181	92,212,474	93,498,515
Cakes, pastry, pies	£ 2,548,761	4,151,350	4,467,736	6,692,093	6,107,635	6,330,896

Meat and fish preserving works. Details appertaining to the meat and fish preserving industry for 1943-44 and the past five years are given hereunder:—

VICTORIA—MEAT AND FISH PRESERVING WORKS, (9-17).

Item.	Year Ended 30th June—					
	1944.	1950.	1951.	1952.	1953.	1954.
Number of establishments	12	18	16	17	18	16
Number of persons employed	1,127	1,582	1,074	1,109	1,249	1,064
Horse-power of engines used	1,340	2,855	2,524	5,162	3,626	2,931
Value of plant and machinery £	86,612	258,929	428,967	478,395	550,999	477,185
Value of land and buildings £	143,325	441,242	465,712	560,659	709,888	629,918
Salaries and wages paid £	341,376	785,145	636,341	816,775	972,421	844,824
Fuel, light, and power	£ 27,118	70,173	70,967	91,607	126,997	93,511
Value of materials used	£ 2,279,190	3,438,044	4,045,924	4,577,520	6,708,576	5,091,852
Value of output	£ 3,311,797	5,347,707	4,992,111	6,561,911	9,058,117	6,526,100
Value added to materials	£ 959,907	1,766,981	793,232	1,818,774	2,126,455	1,264,704
Canned meat produced cwt.	511,236	397,087	415,746	449,535	568,536	373,053
Meat extracts	cwt. 5,680	4,651	5,836	5,821	3,533	*
Fish (all kinds)	cwt. 3,853	16,564	8,884	8,830	9,041	8,227

* Not available for publication.

Ice and Refrigeration. One hundred and fifty establishments were included under the industrial Sub-class "Ice and Refrigeration" during 1953-54. There were 3,200 persons employed and the total horse-power of machinery used was 35,865. The value of Land, &c. and Plant, &c. was £4,177,317 and the value of Output £4,966,668. Particulars of Meat Freezing Works are incorporated in the foregoing figures. No collection of factory statistics is now made regarding quantities of carcasses treated in the freezing works.

Imports and exports of meats. The following statement shows the imports from and exports to oversea countries of frozen, chilled, and preserved meats during the years ended 30th June, 1953 and 1954:—

**VICTORIA—MEAT IMPORTED AND EXPORTED OVERSEA,
1952-53.**

Meats.	Imports.		Exports.	
	Quantity.	Value.	Quantity.	Value.
		£		£
Preserved by cold process—				
Beef .. .. .	..	..	lb. 3,454,488	314,713
Lamb .. .. .	..	..	.. 52,164,036	3,493,835
Mutton .. .. .	..	..	.. 43,855,188	1,426,465
Pork .. .. .	..	..	.. 476,993	71,458
Poultry .. .. .	..	1	prs. 292,156	522,652
Rabbits and hares*	..	..	.. 6,231,997	1,842,763
Veal .. .. .	..	..	lb. 460,143	51,499
Other	lb. 711	675	.. 6,633,434	512,546
Bacon and hams .. .. .	.. 24	1	.. 271,986	54,664
Potted and concentrated .. .. .	.. 1,066	182	.. 161,629	100,474
Preserved in tins, &c. .. .. .	.. 3,409	695	.. 91,278,929	11,495,279
Sausage casings	cwt. 3,318	148,500	cwt. 18,204	1,177,144
Other .. .. .	..	..	(a)	59,646
Total value	(a)	150,666	(a)	21,123,138

* Excluding rabbit and hare meat which is included with "Other". (a) Value only.

**VICTORIA—MEAT IMPORTED AND EXPORTED OVERSEA,
1953-54.**

Meats.	Imports.		Exports.	
	Quantity.	Value.	Quantity.	Value.
		£		£
Preserved by cold process—				
Beef .. .. .	..	21	lb. 8,696,086	641,070
Lamb .. .. .	..	..	.. 22,774,373	1,782,060
Mutton .. .. .	..	..	.. 24,487,997	835,907
Pork .. .. .	..	..	.. 277,669	53,823
Poultry .. .. .	..	..	Prs. 43,885	140,068
Rabbits and hares .. .. .	..	..	.. 3,875,900	1,044,999
Veal .. .. .	..	..	lb. 192,481	19,803
Other	lb. 1,928	293	.. 5,311,184	398,739
Bacon and hams .. .. .	..	..	.. 47,785	11,513
Potted and concentrated	lb. 3,897	2,668	.. 286,169	210,707
Preserved in tins, &c. .. .. .	.. 3,556	1,084	.. 54,056,970	7,821,270
Sausage casings	(a)	105,506	cwt. 17,041	957,699
Other	(a)	6	(a)	47,256
Total Value	(a)	109,956	(a)	13,964,914

* See note above.

(a) Value only.

Flour Mills. Victorian flour mills produce ample flour, &c., to supply all local requirements and a considerable surplus for export. The following table gives particulars of Sub-class 1 of Class 9 of the Statistical Classification of Factories, "Flour-Milling," for the year 1943-44 and for the past five years. There is additional production of flour, &c., in other Sub-classes of industry.

VICTORIA—FLOUR MILLS, (9-1).

Item.	Year Ended 30th June—					
	1944.	1950.	1951.	1952.	1953.	1954.
Number of establishments ..	38	38	38	38	37	37
Number of persons employed	1,095	1,272	1,279	1,351	1,462	1,240
Horse-power of engines used	9,537	10,626	11,109	13,250	13,979	14,007
Value of plant and machinery £	488,460	683,952	773,480	955,855	1,164,097	1,226,794
Value of land and buildings £	661,696	788,881	829,834	972,954	1,128,226	1,164,232
Salaries and wages paid £	370,666	654,780	777,049	987,943	1,147,887	1,057,925
Fuel, light, and power £	79,436	108,927	120,836	172,740	210,335	166,519
Value of materials used £	4,344,715	8,188,704	8,840,528	13,740,470	16,449,833	14,824,173
Value of output .. £	5,170,202	9,545,894	10,507,660	16,164,437	19,338,773	17,530,997
Value added to materials £	702,454	1,166,319	1,459,576	2,123,311	2,504,771	2,405,804
Wheat used .. bushels	19,975,712	21,268,699	20,923,813	24,486,534	26,000,301	20,117,177
Flour produced .. tons	409,190	434,578	432,068	509,975	549,815	438,187
Bran produced .. (2,000lb.)	84,562	89,591	87,095	106,268	107,917	82,865
Pollard produced .. "	80,456	91,893	88,132	107,003	119,534	92,646
Wheatmeal produced cwt.	329,700	402,236	535,000	590,736	478,946	515,839

During the year ended 30th June, 1954, 258,257 tons of plain white flour, valued at £10,039,719 were exported from Victorian ports to countries beyond Australia.

Particulars relating to jam, pickle, and sauce factories and fruit and vegetable canning factories, Sub-classes 10 and 11 of Class 9 of the Statistical Classification of Factories are given in the table hereunder, which shows the main items of output, &c., for the year 1943-44 and for the past five years :—

**Jam, pickle,
and sauce
works.**

**VICTORIA—JAMS, PICKLES, SAUCES, PRESERVES, ETC.,
(9-10, 9-11).**

Item.	Year Ended 30th June—					
	1944.	1950.	1951.	1952.	1953.	1954.
Number of establishments ..	51	59	60	62	66	64
Number of persons employed ..	5,005	4,914	5,223	5,360	4,369	4,314
Horse-power of engines used ..	7,552	11,922	12,952	14,021	14,296	14,630
Value of plant and machinery £	514,836	1,427,070	1,719,362	1,920,384	2,132,934	2,443,327
Value of land and buildings £	966,492	1,416,487	1,788,135	2,153,991	2,457,687	2,540,874
Salaries and wages paid £	1,259,228	2,059,358	2,576,619	3,301,505	3,103,436	3,242,993
Fuel, light, and power used £	101,819	159,720	201,037	275,255	241,652	257,324
Value of Material used ..	5,630,492	7,562,387	8,944,711	12,991,372	12,198,910	13,256,809
Value of output ..	£ 8,238,373	11,644,558	14,168,205	19,919,662	18,612,389	21,388,659
Fresh fruit used .. cwt.	1,184,103	1,078,361	1,234,926	1,382,502	1,194,041	1,569,354
Sugar used ..	538,268	484,459	462,078	464,268	359,112	447,884
Output of—						
Jams (inc. conserves, &c.)						
cwt.	630,314	468,135	406,587	356,585	235,974	275,100
Fruit preserved in liquid ..	717,900	878,786	965,898	1,196,832	1,073,056	1,577,501
" ..	82,611	85,847	44,157	48,398	52,201	49,631
Sauce—Tomato .. pints	16,282,865	12,591,348	12,063,143	13,082,156	9,756,298	9,402,581
Soup—canned ..	2,577,882	16,858,429	19,811,513	25,459,102	19,751,784	21,356,499
Pickles and chutney ..	4,240,797	2,903,738	3,569,903	3,237,150	2,441,666	2,502,520

There is additional production of the six last named commodities in other Sub-classes of industry.

Breweries and Distilleries. Particulars regarding breweries and distilleries for the year 1943-44 and for the past five years are set forth in the succeeding tables:—

VICTORIA—BREWERIES, (9-22).

Item.	Year Ended 30th June—					
	1944.	1950.	1951.	1952.	1953.	1954.
Number of breweries ..	8	7	7	7	7	7
Number of persons employed ..	1,374	1,885	1,923	2,102	1,938	2,152
Horse-power of engines ..	6,597	7,207	7,210	7,204	8,733	9,396
Value of plant and machinery £	830,740	1,283,068	1,614,970	1,224,861	986,868	1,318,513
Value of land and buildings £	756,689	756,370	2,227,810	2,266,339	2,310,825	2,351,068
Salaries and wages paid £	556,889	1,088,757	1,374,366	1,620,410	1,591,696	1,730,707
Fuel, light, and power used £	78,402	165,879	218,176	312,092	403,038	395,385
Value of materials used ..	£ 1,338,428	2,483,371	2,673,115	3,435,875	5,396,653	6,895,444
Value of output ..	£ 2,621,378	4,826,651	5,277,116	6,802,206	8,861,853	10,509,751
Value added to materials ..	£ 1,139,842	2,031,264	2,210,634	2,899,997	2,890,071	3,048,705
Materials used—						
Sugar .. cwt.	121,580	176,797	197,501	213,842	232,450	242,446
Malt .. bush.	956,171	1,550,126	1,536,014	1,590,514	1,834,055	2,047,945
Hops .. lb.	798,410	1,060,133	1,073,874	1,121,538	1,193,427	1,332,912
Beer and stout made* gals.	30,628,061	49,352,264	52,897,268	56,174,123	57,882,075	63,639,917

* Excluding waste beer.

VICTORIA—DISTILLERIES, (9-23).

Item.	Year Ended 30th June—					
	1944.	1950.	1951.	1952.	1953.	1954.
Number of distilleries ..	9	8	7	8	6	7
Number of persons employed..	189	249	262	269	208	187
Horse-power of engines ..	1,293	1,374	1,903	1,954	1,965	1,985
Value of plant and machinery £	221,258	225,553	244,906	288,664	313,102	300,952
Value of land and buildings £	223,951	130,941	151,529	149,966	130,362	136,329
Salaries and wages paid ..	£ 72,423	131,929	151,291	193,471	161,494	161,374
Fuel, light, and power ..	£ 37,618	61,014	76,590	110,758	80,813	61,927
Value of materials used ..	£ 422,263	458,337	529,860	714,830	478,038	440,979
Value of output ..	£ 777,796	855,857	980,937	1,221,936	886,525	866,375
Materials used—						
Wine .. gals.	661,012	1,551,272	940,006	2,161,603	1,161,544	960,451
Malt .. bush.	172,567	159,208	218,128	250,434	139,156	75,300
Other grain .. bush.	225,529	275,570	329,845	347,108	180,843	135,684
Molasses, raw sugar, &c. 1,000 lb.	65,815	42,139	43,574	34,580	45,223	57,290
Spirits distilled in distilleries proof gals.	5,916,779	3,780,860	3,910,397	3,835,147	3,273,718	3,522,349
Spirits distilled by vinegrowers proof gals.	12,048	24,160	11,311	18,831	23,247	17,918

Tobacco Factories. The twelve establishments engaged in the manufacture of tobacco, cigars, and cigarettes during 1953-54 which conformed to the statistical definition of a factory gave employment to 2,023 persons, who were paid £1,437,632 in wages and who used machinery, plant, land, and buildings valued at £1,856,127. The subjoined table shows the quantity of tobacco leaf used by and the output of the full number of licensed establishments for the year 1943-44 and the past five years:—

VICTORIA—TOBACCO FACTORIES, (9-28).

Year Ended 30th June.	Leaf Operated on.		Production.		
	Australlan.	Imported.	Tobacco.	Cigars.	Cigarettes.
	lb.	lb.	lb.	No.	No.
1944	1,838,650	5,815,429	5,864,285	14,802,342	1,333,952,191
1950	1,334,467	7,895,407	6,609,574	17,764,749	1,640,551,730
1951	1,257,624	8,424,362	6,831,429	21,764,099	1,773,422,160
1952	1,343,169	9,338,512	7,209,769	22,292,793	2,085,129,810
1953	1,466,073	10,768,837	4,150,480	16,492,725	2,717,438,280
1954	1,880,206	12,802,514	7,637,166	18,387,405	3,706,651,720

Woollen Mills.

Victorian manufacturers supply approximately half of the Australian requirements in woollen piece goods. They have also developed an oversea export trade in wool tops, noils, and waste, the value of which, for the year 1953-54, was £2,506,801.

VICTORIA—WOOLLEN MILLS, (6-3).

Item.	Year Ended 30th June—					
	1944.	1950.	1951.	1952.	1953.	1954.
Number of establishments ..	64	95	99	102	94	93
Number of persons employed ..	11,834	12,114	12,239	10,797	10,251	11,655
Horse-power of engines ..	33,043	37,660	38,721	38,137	39,160	39,324
Value of plant and machinery £	1,468,274	2,871,857	4,008,096	4,596,608	4,591,247	5,169,298
Value of land and buildings £	1,517,095	2,358,166	3,065,142	3,460,647	3,389,329	3,698,311
Salaries and wages paid £	2,955,664	4,954,740	5,916,839	6,126,108	6,381,770	7,621,760
Fuel, light, and power £	319,429	429,399	492,148	527,194	574,273	612,151
Value of materials used £	7,238,085	17,016,095	23,649,128	23,282,718	17,255,655	22,105,459
Value of output .. £	12,534,481	26,818,728	39,290,626	32,742,147	28,989,839	35,292,642
Added value .. £	4,526,808	8,881,083	9,569,533	8,376,516	10,620,888	12,078,647
Scoured wool used .. lb.	41,732,978	28,537,601	27,120,796	20,964,405	19,727,211	24,904,718
Cotton used .. lb.	45,247	213,512	519,561	347,765	363,322	247,627
Tweed and cloth made sq. yds.	16,682,579	18,376,308	16,969,834	14,529,741	13,492,986	14,884,625
Flannel made .. sq. yds.	2,385,088	1,912,500	2,070,490	†	†	†
Blankets .. pairs	1,099,910	535,086	592,001	365,244	265,832	339,924
Rugs .. No.	*1,797	70,290	66,433	41,059	48,673	67,323

* And shawls. † Not collected.

Hosiery and Knitting.

Early records show that, in the year 1886-87, there were three hosiery factories in Victoria, employing 56 hands. The capital value of land, buildings, and machinery was £2,080. The following table shows the main details relating to this industry for 1943-44 and the past five years:—

VICTORIA—HOSIERY AND KNITTING, (6-4).

Item.	Year Ended 30th June—					
	1944.	1950.	1951.	1952.	1953.	1954.
Number of establishments ..	231	327	328	358	376	420
Number of persons employed—						
Male ..	2,443	4,711	4,593	4,427	4,502	5,225
Female ..	7,935	9,493	9,641	9,153	8,646	10,165
Salaries and wages paid £	2,241,543	4,881,239	6,254,383	7,196,210	7,358,684	9,159,653
Value of land and buildings £	1,417,746	2,506,414	3,022,222	3,536,869	3,955,095	4,598,502
Value of plant and machinery £	911,304	2,666,497	3,483,096	4,131,019	4,158,319	5,049,642
Value of materials used £	4,590,545	9,946,570	13,278,462	14,387,232	14,351,825	17,937,085
Fuel, light, and power £	106,664	199,755	236,311	287,256	364,418	407,728
Value of output .. £	8,576,213	18,775,268	24,519,062	26,283,028	28,605,240	35,987,732
Added value .. £	3,720,254	8,220,210	10,550,720	11,160,588	13,452,324	17,081,053
Yarn used—						
Woolen and worsted .. lb.	(a)	6,290,983	6,140,215	5,548,215	5,581,039	5,949,454
Cotton .. lb.	4,056,866	4,461,538	4,848,796	3,837,234	3,442,816	5,037,488
Silk .. lb.	2,250	150,212	78,922	33,908	43,808	20,693
Nylon .. lb.	(a)	433,366	576,660	637,629	684,482	1,051,981
Rayon .. lb.	2,558,304	3,112,389	3,537,921	2,922,416	2,723,883	3,170,313
Stockings made .. doz. pair	*993,525	*1,324,840	*1,412,914	*1,151,438	*1,425,152	*1,657,849
Socks made .. doz. pair	†1,387,592	†1,426,311	†1,652,195	†1,795,819	†1,635,948	†1,993,779
Garments made .. number	19,574,604	22,725,408	23,821,380	24,760,860	21,110,352	28,999,872

(a) Information not available.

* Women's socks and stockings only.

† Includes men's socks and stockings, doz. pair—1943-44, 1,084,442; 1949-50, 965,516; 1950-51, 1,243,735; 1951-52, 1,155,672; 1952-53, 1,293,900; 1953-54, 1,522,154; Children's socks and stockings, doz. pair—1943-44, 224,925; 1949-50, 460,795; 1950-51, 408,410; 1951-52, 373,163; 1952-53, 342,048; 1953-54, 471,625.

Boots and
Shoes.

Particulars relating to factories manufacturing boots and shoes are shown in the following table:—

VICTORIA—BOOTS AND SHOES, (8-10).

Item.	Year Ended 30th June—					
	1944.	1950.	1951.	1952.	1953.	1954.
Number of establishments ..	177	235	242	257	237	239
Number of persons employed	8,423	11,329	11,305	10,858	10,272	11,402
Horse-power of engines used	5,993	8,390	8,819	8,826	9,316	9,310
Value of plant, machinery, land and buildings £	1,203,014	2,030,925	2,420,030	2,724,452	2,843,944	3,316,103
Salaries and wages paid £	2,162,210	4,285,370	5,045,218	6,097,754	6,155,564	7,114,644
Fuel, light, and power £	34,255	58,899	62,073	69,644	81,912	92,293
Value of materials used £	4,092,681	6,540,775	8,125,228	9,493,852	8,772,450	10,750,344
Value of output .. £	7,376,946	12,887,888	15,776,782	18,259,502	17,729,968	21,025,593
Boots and shoes made pairs	8,160,178	6,936,779	8,132,112	7,953,908	7,800,286	9,010,139
Slippers made .. pairs	2,833,633	4,271,930	4,257,046	3,713,232	3,389,402	4,230,642
Sandals pairs	229,703	1,301,716	958,327	774,294	494,483	620,013

Dress
(exclusive of
boot)
factories.

Information in the next table relates to industries associated with the manufacture of dress. The figures shown represent for each of the past five years, the sum of the under-mentioned statistical sub-classes of industry. Tailoring and ready-made tailoring, waterproof and oilskin clothing, dress-making, millinery, shirts, underclothing, foundation garments, handkerchiefs, hats and caps, and gloves (knitting industry is not included).

VICTORIA—DRESS (EXCLUSIVE OF BOOT) FACTORIES.

Year Ended 30th June—	Number of Factories.	Number of Persons Employed.			Salaries and Wages Paid.	Value of Materials Used.	Value of Output.
		Males.	Females.	Total.			
1950	1,522	6,440	26,169	32,609	£ 10,416,324	£ 18,113,304	£ 35,493,559
1951	1,494	6,562	26,523	33,085	12,857,859	23,740,032	44,661,901
1952	1,664	6,655	25,383	32,038	14,733,914	26,329,459	49,642,702
1953	1,634	6,167	22,694	28,861	14,531,761	25,712,506	49,947,765
1954	1,654	6,218	24,300	30,518	16,546,721	30,078,842	56,895,807

Electric
light and
power works.

Particulars relating to the electric light and power works of the State are given in the next table.

VICTORIA—ELECTRIC LIGHT AND POWER WORKS,
(16-1, 16-2, 16-3).

Year Ende1 30th June—	Number.	Value of Machinery and Plant.	Persons Employed.	Wages Paid.	Electricity Generated.	Value of Output.
		£	No.	£	'000 kilowatt hours.	£
1945	70	10,103,146	1,534	612,553	1,714,763	3,903,472
1946	69	10,233,183	1,760	681,761	1,803,407	4,167,493
1947	67	10,484,417	1,906	752,820	1,838,893	4,025,721
1948	67	10,776,348	1,978	967,386	2,081,329	4,248,220
1949	68	12,725,787	2,059	1,221,460	2,321,283	5,512,473
1950	67	14,797,107	2,294	1,452,885	2,530,227	6,214,850
1951	69	13,629,496	2,453	1,593,944	2,708,012	8,301,206
1952	68	15,941,360	2,500	1,979,255	2,772,047	10,603,024
1953	68	21,464,881	2,608	2,317,959	3,013,827	14,095,325
1954	67	34,925,189	2,690	2,431,526	3,485,668	16,168,746

Employees engaged in the transmission and distribution of electricity have not been included. In addition to the power stations shown above there is a number of factories which generate electricity mostly for their own use; the recorded total of thousand kwh's generated for each of the past five years was as follows: 1949-50, 175,885; 1950-51, 167,854; 1951-52, 192,108; 1952-53, 179,103; and 1953-54, 207,005.

STATE ELECTRICITY COMMISSION OF VICTORIA.

The State Electricity Commission was established by the *Electricity Commissioners Act* 1918, and constituted in its present form by the *State Electricity Commission Act* 1920, now consolidated in the *State Electricity Commission Act* 1928. The Act provides for the appointment, for terms not exceeding seven years, of a chairman and three part-time commissioners. The Commission's duties cover:—

1. Co-ordination and integration of generation, supply and use of electricity in Victoria.
2. Investigation and, where practicable, development of all possible sources of power.
3. Promotion of the use of electricity.
4. Development of the State's brown coal resources for the generation of electricity, manufacture of briquettes and supply of brown coal to industry.

The Commission is empowered to erect, acquire, and operate electrical undertakings and to operate any business associated therewith to ; supply electricity to corporations and to persons outside areas in which there are existing undertakings ; to frame safety regulations, register electrical contractors, and to issue licences for electrical mechanics. It controls its own funds and all officers and employees required for the operation of the Act.

The Commission's power system generates almost all Victoria's electricity and at 30th June, 1955, was serving more than 90 per cent. of the population of the State. With the exception of Commission power stations in two regions not connected to the State system (Mildura and Wimmera), the generating system comprised a series of interconnected steam, hydro and diesel power stations based on the large brown coal power station at Yallourn.

As at 30th June, 1955, power stations in the interconnected system, and their respective installed generator capacities, were as follows :—*Steam* : Yallourn (including allowance for briquette works) 283,000 kW. (with further enlargement in progress) ; Newport (metropolitan area) 311,000 kW. ; Richmond (metropolitan area), 53,000 kW. ; Spencer Street (Melbourne City Council), 88,650 kW. (with further enlargement in progress) ; Geelong " A " 10,500 kW. ; Geelong " B " 30,000 kW. ; Ballarat " A " 5,900 kW. ; Ballarat " B " 20,000 kW. :—*Hydro* : Kiewa, 56,800 kW. (with further enlargement in progress) ; Eildon 16,000 kW. (with further enlargement in progress) ; Rubicon-Royston 12,915 kW. :—*Diesel* : Shepparton 10,530 kW. ; Warrnambool 4,980 kW. ; Hamilton 3,020 kW. Ownership of Spencer Street power station is retained by the Melbourne City Council, but since 1941 the station has operated as a unit in the interconnected State system.

Power stations not connected to the State system and their respective generator capacities at June 30th, 1955, were as follows :—*Mildura*—two locally interconnected steam stations, Redcliffs 10,000 kW (subsequently enlarged) and Mildura 7,000 kW. ; *Wimmera*—Horsham (diesel) 2,264 kW. Subsequently (in 1956) Murtoa diesel station (590 kW.) was acquired and interconnected with Horsham.

There were at 30th June, 1955, nine terminal stations (total capacity kVA. 824,000), three switching stations (63,000 kVA.), 51 main metropolitan transmission sub-stations (739,500 kVA.), 11,361 metropolitan and extra-metropolitan sub-stations (totalling 1,245,427 kVA.). High and low tension power lines aggregated 11,147 and 8,928 miles respectively. In addition, there were 851 miles of underground cables.

At 30th June, 1955, the number of consumers in Victoria served by the State system totalled 693,165, of whom 532,277 were supplied directly by the Commission and the remainder—160,888 by 11 metropolitan councils buying electricity in bulk. The Commission also supplied several municipalities and irrigation settlements bordering the River Murray in New South Wales. Of the consumers served in Victoria, 266,228 were outside the metropolitan area. Farms supplied by the Commission numbered 30,131. Consumers supplied by local country undertakings outside the State system totalled 24,571.

Other Commission undertakings in operation at 30th June, 1955, comprised the Yallourn and Yallourn North brown coal open cuts and the Yallourn briquette works. Production of brown coal at the Yallourn open cut for 1954-55 was 7,371,144 tons, of which 4,845,476 tons were used for electricity generation at Yallourn power station and the remainder—2,525,668 tons—for briquette manufacture. Output of brown coal at Yallourn North open cut was 1,391,031 tons, of which 794,668 tons were consumed in Newport power station, the remainder being sold to industrial consumers.

Briquette output for the year 1954-55 was 630,579 tons, of which nearly 60 per cent. was used for electricity generation, the remainder being sold to industrial consumers and householders with registered briquette hot water services. The briquette works also contributed 59 million kWh. of by-product electricity to the State system.

The Commission owns and operates the tramway systems in Ballarat and Bendigo. (The tramway system formerly operating in Geelong ceased operating in March, 1956.)

In addition to work in progress for major extensions to Yallourn power station (with a corresponding increase in output of brown coal), the Kiewa hydro-electric undertaking and Eildon hydro station, the Commission in 1954-55 had resumed work on the Morwell power and fuel project. Supply was extended to 33,033 and 30,283 additional consumers in 1953-54 and 1954-55 respectively, and included in these figures were 11,803 consumers formerly served by local undertakings acquired by the Commission during this period.

Gasworks. Particulars in regard to gasworks are given below for each of the past five years:—

VICTORIA—GASWORKS, (16-4, 16-5, 16-6).

Year ended 30th June—	Number of Works.	Persons Employed.	Wages Paid.	Coal Used.	Oil Used.	Gas Made.	Coke Produced.	Value of Output.
		No.	£	Tons.	Gals.	'000 cubic feet.	Tons.	£
1950 ..	36	1,330	706,721	608,453	3,380,329	10,746,792	334,875	3,696,796
1951 ..	36	1,391	847,118	671,020	4,163,745	11,445,505	364,925	4,599,704
1952 ..	36	1,419	1,170,759	733,680	5,073,382	12,482,253	399,247	7,121,383
1953 ..	35	1,496	1,324,743	717,848	5,398,569	13,135,907	300,080	8,268,076
1954 ..	34	1,461	1,393,032	687,004	6,363,273	13,715,072	336,336	7,772,308

The following table is an analysis of factory statistics designed to show the relative importance of the various classes of manufacturing in Victoria:—

VICTORIA—VALUE OF ARTICLES PRODUCED IN FACTORIES.

Class of Industry.	Year ended 30th June—				
	1950.	1951.	1952.	1953.	1954.
	£	£	£	£	£
1. Treatment of non-metalliferous mine and quarry products ..	8,880,775	11,456,844	14,666,564	15,966,918	17,595,183
2. Bricks, pottery, glass, &c.	5,661,971	7,286,060	9,513,456	9,782,869	11,692,336
3. Chemicals, dyes, explosives, paint, oils, and grease ..	35,767,755	45,720,019	57,857,412	57,385,654	70,836,980
4. Industrial metals, machines, implements, and conveyances ..	134,231,798	175,169,821	232,711,235	243,436,159	281,161,991
5. Precious metals, jewellery, and plate ..	4,338,537	5,125,893	5,091,032	4,701,509	5,545,988
6. Textiles and textile goods (not dress) ..	62,139,095	90,126,622	90,461,007	88,359,182	108,247,448
7. Skins and leather (not clothing or footwear) ..	13,428,697	19,858,734	17,580,245	19,205,604	19,595,770
8. Clothing ..	52,057,960	65,833,847	74,048,454	74,486,372	86,031,234
9. Food, drink, and tobacco	118,201,095	130,329,462	168,776,325	192,382,418	206,235,235
10. Woodworking and basket ware ..	21,166,958	26,849,005	34,177,354	32,579,790	36,795,372
11. Furniture, bedding, &c. ..	8,480,366	11,897,852	13,586,714	12,512,272	13,440,450
12. Paper, stationery, printing, bookbinding, &c. ..	29,666,014	37,372,075	55,201,501	51,620,706	59,839,308
13. Rubber ..	11,623,706	20,771,850	24,855,102	16,590,505	21,620,998
14. Musical instruments ..	161,635	188,427	335,387	326,164	549,463
15. Miscellaneous products ..	10,748,272	14,145,903	17,380,828	18,446,638	22,376,322
16. Heat, light, and power ..	9,911,646	12,900,910	17,724,407	22,363,401	23,941,054
Total ..	526,466,280	675,033,324	833,967,023	860,146,161	985,505,127

Employment in Factories. The average number of persons employed over the whole year in each class of industry is shown below :—

VICTORIA—AVERAGE NUMBER OF PERSONS EMPLOYED IN FACTORIES.

Class of Industry.	Year ended 30th June—				
	1950.	1951.	1952.	1953.	1954.
1. Treatment of non-metalliferous mine and quarry products	4,998	5,418	5,718	5,431	5,629
2. Bricks, pottery, glass, &c.	4,621	4,856	5,165	4,879	5,532
3. Chemicals, dyes, explosives, paint, oils, and grease	11,590	12,619	14,144	13,781	14,104
4. Industrial metals, machines, implements, and conveyances	98,852	105,354	112,572	109,740	116,812
5. Precious metals, jewellery, and plate	3,499	3,265	3,090	2,656	2,777
6. Textiles and textile goods (not dress)	34,264	35,320	33,402	32,148	37,753
7. Skins and leather (not clothing or footwear)	5,777	5,626	5,329	5,338	5,436
8. Clothing	48,133	49,186	47,536	43,901	47,196
9. Food, drink, and tobacco	38,555	38,821	39,506	38,139	37,740
10. Woodworking and basketware	13,364	14,279	14,862	14,184	14,595
11. Furniture, bedding, &c.	5,907	6,503	6,618	5,977	6,048
12. Paper, stationery, printing, bookbinding, &c.	17,439	18,039	18,979	18,211	18,898
13. Rubber	4,758	4,948	4,822	4,291	5,371
14. Musical instruments	185	187	212	229	298
15. Miscellaneous products	7,910	8,527	8,269	7,750	8,937
16. Heat, light, and power	3,624	3,844	3,919	4,104	4,151
Total	303,476	316,792	324,143	310,759	331,277

Size of Factories. The following table shows the number of factories according to the number of hands employed during each of the years 1949-50 to 1953-54.

VICTORIA—FACTORIES ACCORDING TO NUMBER OF HANDS EMPLOYED.

		Showing Annual Percentage Increase or Decrease (Year ended 30th June.)									
		1950.	Increase.	1951.	Increase.	1952.	Increase.	1953.	Increase.	1954.	Increase.
Under 4 hands—											
Number of—			%		%		%		%		%
Factories ..	3,944	6.4	4,087	3.6	4,789	17.2	5,325	11.2	5,474	2.8	
Employees ..	8,005	5.9	8,346	4.3	9,640	15.5	10,478	8.7	10,725	2.4	
4 hands—											
Number of—											
Factories ..	1,168	3.2	1,159	-0.8	1,267	9.3	1,292	1.9	1,251	-3.2	
Employees ..	4,672	3.2	4,636	-0.8	5,068	9.3	5,168	1.9	5,004	-3.2	
5 to 10 hands—											
Number of—											
Factories ..	3,387	3.9	3,372	-0.4	3,714	10.1	3,699	-0.4	3,841	3.8	
Employees ..	23,470	4.3	23,614	0.6	25,739	9.0	25,691	-0.2	26,824	4.4	
11 to 20 hands—											
Number of—											
Factories ..	1,983	1.5	2,020	1.9	2,141	6.0	2,156	0.7	2,179	1.1	
Employees ..	29,214	0.6	29,567	1.2	31,472	6.4	31,718	0.8	32,035	1.0	
21 to 50 hands—											
Number of—											
Factories ..	1,653	5.8	1,723	4.2	1,720	-0.2	1,613	-6.2	1,660	2.9	
Employees ..	51,914	6.4	53,935	3.9	53,922	..	50,820	-5.7	52,602	3.5	
51 to 100 hands—											
Number of—											
Factories ..	581	-0.3	592	1.9	585	-1.2	556	-4.9	572	2.9	
Employees ..	40,789	-0.3	42,110	3.2	41,016	-2.6	39,165	-4.5	40,617	3.7	
Over 100 hands—											
Number of—											
Factories ..	515	2.0	551	7.0	542	-1.6	513	-5.4	556	8.4	
Employees ..	146,846	4.9	155,857	6.1	158,701	1.8	149,348	-5.9	165,447	10.8	

NOTE.—Minus sign indicates decrease.

The composition of the last-mentioned group "over 100 hands" during 1952-53 and 1953-54 was as follows:—

	1952-53		1953-54	
	Number of—		Number of—	
	Factories.	Employees.	Factories.	Employees.
101 to 200 hands	283	39,436	307	42,523
201 to 300 hands	97	23,101	109	26,975
301 to 400 hands	43	14,966	41	14,195
401 to 500 hands	32	14,116	30	13,328
501 to 750 hands	32	19,419	39	24,003
751 to 1,000 hands	11	9,402	12	10,588
1,001 hands and over	15	28,908	18	33,833
Total	513	149,348	556	165,447

VICTORIA—PROPORTION OF FACTORIES OF DIFFERENT SIZES.

Size of Factory.	Percentage to Total (Year ended 30th June)—									
	1950.		1951.		1952.		1953.		1954.	
	Factories.	Employees.	Factories.	Employees.	Factories.	Employees.	Factories.	Employees.	Factories.	Employees.
Under 4 hands ..	29.8	2.6	30.2	2.6	32.4	3.0	35.2	3.3	35.2	3.2
4 ..	8.8	1.5	8.6	1.5	8.6	1.5	8.5	1.7	8.1	1.5
5 to 10 ..	25.6	7.7	25.0	7.4	25.2	7.9	24.4	8.2	24.7	8.1
11 to 20 ..	15.0	9.6	15.0	9.3	14.5	9.7	14.2	10.2	14.0	9.6
21 to 50 ..	12.5	17.0	12.7	17.0	11.7	16.6	10.6	16.3	10.7	15.8
51 to 100 ..	4.4	13.4	4.4	13.2	3.9	12.6	3.7	12.5	3.7	12.2
101 and over ..	3.9	48.2	4.1	49.0	3.7	48.7	3.4	47.8	3.6	49.6
Total ..	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Occupations in factories. In the following table the persons employed in factories are grouped according to their occupational status:—

VICTORIA—OCCUPATIONS OF PERSONS EMPLOYED IN FACTORIES.

Occupations.	Year ended 30th June—				
	1950.	1951.	1952.	1953.	1954.
Working proprietors	11,456	11,526	12,851	13,392	13,722
Managerial and clerical staff, including salaried managers and working directors	29,469	31,089	32,846	32,722	33,789
Chemists, draftsmen and other laboratory and research staff	3,462	3,745	4,019	4,098	4,299
Foreman and overseers	12,615	13,343	13,866	13,639	14,193
Workers in factory, skilled and unskilled	244,052	254,555	258,251	244,866	262,916
Carters (excluding delivery only) messengers and persons working regularly at home for the establishment	2,422	2,534	2,310	2,042	2,358
Total	303,476	316,792	324,143	310,759	331,277

Particulars in the above table have been presented in accordance with amendments adopted at the 1945 Conference of Statisticians.

Outworkers. The term "outworkers" used in the preceding table relates to persons working for factories in their own homes, but does not include individuals working for themselves. The employment of outworkers is regulated by a special provision of the Factories and Shops Act. They are required to register their names and addresses with the Chief Inspector of Factories, and factory proprietors are forbidden to give work to those who are not so registered.

Sex distribution in factories. The average numbers of males and of females employed in factories, and their proportions to the male and female populations, for each of the years, 1944-45 to 1953-54, were as follows:—

VICTORIA—EMPLOYMENT OF MALES AND FEMALES IN FACTORIES.

Year Ended 30th June—	Males.		Females.		Total.	
	Number.	Average per 10,000 of Male Population.	Number.	Average per 10,000 of Female Population.	Number.	Average per 10,000 of Total Population.
1945 ..	174,424	1,769	83,209	820	257,633	1,285
1946 ..	178,951	1,798	77,298	758	256,249	1,271
1947 ..	188,758	1,875	76,999	745	265,757	1,303
1948 ..	199,003	1,957	79,268	759	278,271	1,350
1949 ..	208,184	1,994	83,822	784	292,006	1,382
1950 ..	216,198	2,007	87,278	799	303,476	1,398
1951 ..	224,919	2,008	91,873	823	316,792	1,416
1952 ..	233,699	2,017	90,444	791	324,143	1,408
1953 ..	228,724	1,919	82,035	695	310,759	1,310
1954 ..	240,698	1,979	90,579	751	331,277	1,367

Of the total persons employed, males formed 68 per cent. in 1944-45 and 73 per cent. in 1953-54. As compared with the year 1944-45, the number of males employed increased by 66,274 or 38 per cent. and the number of females employed by 7,370 or 9 per cent.

Employment of females 1953-54. Of the total number of females in factories, 59 per cent. were engaged in the textile and clothing groups of industries, 12 per cent. in the industrial metals, machine, &c., and 11 per cent. in the preparation of food and drink. The extent of female employment in certain industries is shown in the next table:—

**VICTORIA—FEMALE EMPLOYMENT IN FACTORIES, 1952-53
AND 1953-54.**

Industry.	1952-53.			1953-54.		
	Number Employed.		Females per 100 Males.	Number Employed.		Females per 100 Males.
	Males.	Females.		Males.	Females.	
Pharmaceutical and toilet preparations	1,110	970	87	1,208	1,095	91
Inks—polishes	390	225	58	416	250	60
Wireless	971	451	46	1,174	623	53
Cotton	1,434	1,570	109	1,957	2,140	109
Wool, spinning, weaving, &c. ..	4,913	5,338	109	5,500	6,155	112
Hosiery and knitting	4,502	8,646	192	5,225	10,165	194
Silk, natural	112	145	129	140	154	110
Rope and cordage	897	565	63	931	594	64
Canvas goods, &c.	252	209	83	275	211	77
Furriers and fur dressing	190	145	76	195	153	78
Bags, trunks, &c.	664	692	104	694	741	107
Tailoring and ready-made clothing ..	3,119	6,861	220	3,139	7,454	237
Clothing, waterproof	118	300	254	123	320	260
Dressmaking, hemstitching	1,450	8,627	593	1,459	8,738	599
Millinery	223	906	406	249	863	347
Shirts, collars, underclothing	589	4,009	681	599	4,676	781
Foundation garments	162	998	616	193	1,264	655
Handkerchiefs, ties, &c.	103	418	406	83	377	454
Hats and caps	309	230	74	305	246	81
Gloves	94	345	367	68	362	532
Boots and shoes	5,219	5,053	97	5,710	5,692	99
Boot accessories	356	196	55	376	219	58
Umbrellas and walking sticks	21	50	238	23	65	283
Dyeworks and cleaning	1,604	1,542	96	1,728	1,681	97
Cereal foods, &c.	867	450	52	880	445	51
Biscuits	749	719	96	741	796	107
Confectionery	1,414	1,522	108	1,427	1,636	115

VICTORIA—FEMALE EMPLOYMENT IN FACTORIES
1952-53 AND 1953-54—*continued.*

Industry.	1952-53.			1953-54.		
	Number Employed.		Females per 100 Males.	Number Employed.		Female per 100 Males.
	Males.	Females.		Males.	Females.	
Jams, fruit, and vegetable canning ..	2,150	1,448	67	2,004	1,614	81
Pickles, sauces, vinegar ..	469	302	64	427	269	63
Meat and fish preserving, &c. ..	786	463	59	650	414	64
Condiments, coffee, spices ..	678	524	77	628	534	85
Tobacco, cigarettes, &c. ..	961	1,010	105	970	1,053	109
Ice cream ..	261	141	54	269	155	58
Bedding mattresses (not wire) ..	406	230	57	422	246	58
Furnishing, drapery ..	164	275	168	166	264	159
Stationery, manufactured ..	578	441	75	607	473	78
Cardboard boxes, cartons ..	875	738	84	1,090	972	89
Paper bags ..	190	207	109	187	208	111
Plastic mouldings ..	2,080	1,046	50	2,461	1,410	57
Photographic material ..	739	591	80	742	613	83
Toys, games, &c. ..	428	295	69	521	383	73
Artificial flowers ..	27	126	466	32	146	456
All other factories ..	186,100	23,016	12	194,704	24,710	13
Total ..	228,724	82,035	36	240,698	90,579	38

Child labour in factories. The main reason for the small proportion of children engaged in factories is that daily attendance at school is compulsory between the ages of 6 and 14 years.

Another reason is the restriction imposed by the Victorian Factories Act on the employment of female children under the age of 15 years unless a special permit is granted by the Chief Inspector of Factories on the grounds of poverty or hardship.

VICTORIA—FACTORY EMPLOYMENT—AGE GROUPS.

On Payroll on Pay Day Nearest*	Males.				Females.			
	Under 16 Years.	16 and Under 21 Years.	21 Years and Over.	Total Males.	Under 16 Years.	16 and Under 21 Years.	21 Years and Over.	Total Females.
June 15th, 1945	4,607	20,379	142,117	167,103	3,609	18,473	58,195	80,277
„ „ 1946	3,449	20,836	155,504	179,789	3,007	17,568	54,630	75,205
„ „ 1947	2,938	20,091	161,232	184,261	2,801	16,943	56,824	76,568
„ „ 1948	2,743	18,851	171,096	192,690	2,564	16,627	59,915	79,106
„ „ 1949	2,806	18,305	179,039	200,150	2,354	16,374	65,245	83,973
„ „ 1950	2,670	17,113	188,788	208,571	2,181	15,093	70,598	87,872
„ 30th, 1951	2,790	16,274	198,053	217,117	2,139	14,550	75,508	92,197
„ „ 1952	2,981	16,417	199,303	218,701	1,911	13,051	65,530	80,492
„ „ 1953	2,972	17,890	200,533	221,395	2,432	13,546	67,056	83,034
„ „ 1954	3,093	18,778	211,311	233,182	2,527	14,180	74,260	90,967

VICTORIA—FACTORY EMPLOYMENT—AGE GROUPS.

On Payroll on Pay Day Nearest*—	Males.				Females.			
	Under 16 Years.	16 and Under 21 Years.	21 Years and Over.	Total Males.	Under 16 Years.	16 and Under 21 Years.	21 Years and Over.	Total Females.
<i>Percentage—</i>								
	<i>To Total Males Employed</i>				<i>To Total Females Employed</i>			
June 15th, 1945	2·76	12·20	85·04	100·00	4·50	23·01	72·49	100·00
„ „ 1946	1·92	11·59	86·49	100·00	4·00	23·36	72·64	100·00
„ „ 1947	1·60	10·90	87·50	100·00	3·66	22·13	74·21	100·00
„ „ 1948	1·42	9·78	88·80	100·00	3·24	21·02	75·74	100·00
„ „ 1949	1·40	9·15	89·45	100·00	2·80	19·50	77·70	100·00
„ „ 1950	1·28	8·20	90·52	100·00	2·48	17·18	80·34	100·00
„ 30th, 1951	1·28	7·50	91·22	100·00	2·32	15·78	81·90	100·00
„ „ 1952	1·36	7·51	91·13	100·00	2·37	16·22	81·41	100·00
„ „ 1953	1·34	8·08	90·58	100·00	2·93	16·31	80·76	100·00
„ „ 1954	1·33	8·05	90·62	100·00	2·78	15·59	81·63	100·00

* Prior to 1950-51—on payroll on payday nearest 15th June. From 1950-51 inclusive on payroll on payday nearest end of June.

In the following tables are shown the number of factories using mechanical power, and the value of the machinery and plant for each of the ten years, 1944-45 to 1953-54. The value recorded is the depreciated or book value less any existing depreciation reserve:—

VICTORIA—MACHINERY IN FACTORIES.

Year ended 30th June—	Number of Factories Equipped with Power-driven Machinery.	Rated Horse-power Used.*	Value of Machinery and Plant.
			£
1945	9,318	1,337,871	58,571,064
1946	9,851	1,413,958	58,537,394
1947	10,563	1,438,472	59,124,802
1948	11,270	1,543,848	65,829,201
1949	12,367	1,617,088	76,079,598
1950	12,882	1,758,222	92,748,475
1951	13,222	1,813,416	107,261,327
1952	14,463	1,881,550	128,933,958
1953	14,971	2,095,238	147,365,224
1954	15,429	2,388,237	181,058,520

* See paragraph on page 589 relating to Horse-power.

The nature of the motive power used in the factories of the State is set out in the next table. Establishments using more than one kind of mechanical power are included once only in the table, usually under the power which is principally used.

VICTORIA—NATURE OF POWER USED IN FACTORIES.

Year ended 30th June—	Number of Factories with Engines Operated by—					Number of Factories employing Manual Labour only.
	Steam.	Gas.	Electricity.	Oil.	Water.	
1945	231	59	8,651	370	7	351
1946	210	59	9,175	396	11	344
1947	211	41	9,897	405	9	386
1948	215	38	10,550	462	5	372
1949	216	34	11,609	504	4	335
1950	212	22	12,088	553	7	349
1951	207	20	12,412	578	5	282
1952	219	12	13,605	623	4	295
1953	182	10	14,157	616	6	183
1954	174	11	14,607	630	7	104

The difficulty of obtaining an accurate measure of average horse-power of engines used in factories has been pointed out in the previous issues of the *Year-Book*. In 1937, Australian Statisticians decided to discard the "average" as a measure of horse-power and to substitute the "rated" horse-power of engines (a) ordinarily in use, and (b) in reserve or idle.

VICTORIA—HORSE-POWER OF ENGINES IN FACTORIES, 1952-53 AND 1953-54.

Class of Engine.	1952-53.			1953-54.		
	Electric Generating Stations (Maximum Load).	Other Factories.	Total.	Electric Generating Stations (Maximum Load).	Other Factories.	Total.
Steam—	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Reciprocating ..	295	23,626	23,921	120	24,516	24,636
Turbine ..	865,449	41,224	906,673	1,059,317	42,467	1,101,784
Internal Combustion—						
Gas ..	432	1,616	2,048	412	1,680	2,092
Petrol or other light oils ..	432	18,807	19,239	453	23,950	24,403
Heavy oils ..	35,562	22,318	57,880	41,219	19,629	60,848
Water ..	72,791	1,269	74,060	55,284	1,317	56,601
Total	974,961	108,860	1,083,821	1,156,805	113,559	1,270,364
Electric motors driven by—						
(a) Purchased electricity ..	..	933,703	933,703	..	976,138	976,138
(b) Electricity generated in own works ..	39,098	38,616	77,714	66,665	75,070	141,735

Reserve or idle horse-power capacity amounted to 155,315 (1953-54) exclusive of that in generating stations.

Wages in Factories. The total amount and the average amount of salaries and wages paid to persons employed in factories are given in the following table for each of the past ten years:—

VICTORIA—SALARIES AND WAGES PAID IN FACTORIES.

Year ended 30th June.	Drawings by Working Proprietors (excluding Profits).		Salaries Paid to Managers and Clerks. †		Wages Paid to all other Factory Workers. ‡		Total Salaries and Wages Paid.
	Males.	Females.	Males.	Females.	Males.	Females.	

Aggregate Amounts.

	£	£	£	£	£	£	£
1945 ..	3,417,682	248,642	8,878,188	2,342,123	47,237,597	12,103,013	74,227,245
1946 ..	*	*	8,415,206	2,157,676	48,357,567	11,568,765	70,499,214*
1947 ..	*	*	9,492,106	2,224,201	53,543,120	12,734,338	77,993,765*
1948 ..	*	*	10,876,982	2,627,096	65,435,234	14,862,876	93,802,188*
1949 ..	*	*	12,714,268	3,063,591	78,050,654	18,581,927	112,410,440*
1950 ..	*	*	14,806,317	3,599,526	90,329,170	21,519,681	130,254,694*
1951 ..	*	*	18,505,029	4,558,679	112,413,309	27,725,219	163,207,236*
1952 ..	*	*	23,285,504	5,832,810	140,402,349	33,065,217	202,585,880*
1953 ..	*	*	25,724,699	6,342,953	146,171,954	32,637,962	210,877,568*
1954 ..	*	*	27,875,406	6,877,286	162,697,890	38,586,004	236,036,586*

Average Amounts.

	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1945 ..	460 0 11	313 3 0	486 6 4	204 15 4	317 11 9	170 10 3	282 18 3
1946	495 13 1	205 4 9	312 15 5	175 2 7	284 1 9*
1947	520 9 9	215 15 1	330 0 10	193 2 9	303 16 5*
1948	562 16 4	249 1 8	383 5 3	218 18 5	349 7 2*
1949	623 9 3	276 13 5	438 17 2	258 15 7	399 17 3*
1950	693 15 3	310 12 0	489 13 11	288 7 1	446 0 11*
1951	816 17 1	374 5 6	586 1 4	352 13 6	534 12 9*
1952	961 10 9	461 3 4	709 3 5	432 10 7	650 15 10*
1953	1051 10 8	513 7 0	760 4 6	478 1 0	678 11 9*
1954	1108 7 4	531 11 2	799 15 1	507 9 11	712 10 1*

* From 1945-46 inclusive, particulars of drawings of working proprietors have not been included in the collection form and the average annual salaries and wages paid have been computed exclusive of the number of working proprietors and the drawings made by them.

† From 1945-46 inclusive, salaries paid to chemists, draftsmen and research staff are included.

‡ From 1945-46 inclusive, wages paid to foremen and overseers are included.

The average annual earnings of all employees (excluding working proprietors) increased by £27 15s. 11d. in 1952-53 and by £33 18s. 4d. in 1953-54.

The costs of production and the value of the output in each class of manufacturing industry during the year 1952-53 are given in the subjoined statement:—

VICTORIA—FACTORY COSTS AND OUTPUT, 1952-53.

Class of Industry.	Costs of—				Value of Output
	Raw Materials Used including Containers.	Fuel, Light, and Power Used.	Salaries and Wages Paid.	Tools Replaced, Repairs, to Plant, Oil and Water Used.	
	£	£	£	£	£
1. Treatment of non-ferrous mine and quarry products	7,298,067	1,213,398	3,868,774	592,993	15,966,918
2. Bricks, Pottery, glass, &c.	2,060,419	1,683,746	3,534,867	829,582	9,782,869
3. Chemicals dyes, explosives, paint, oils, and grease	33,051,795	1,552,179	10,605,032	1,275,329	57,385,654
4. Industrial metals, machines, implements, and conveyances	112,448,593	3,473,651	80,740,863	4,424,899	243,436,159
5. Precious metals, jewellery, and plate	1,899,383	78,669	1,688,648	77,132	4,701,509
6. Textile and textile goods (not dress)	49,221,989	1,444,405	19,678,225	1,474,038	88,359,182
7. Skins and leather (not clothing or footwear) ..	11,878,841	342,274	3,747,236	367,690	19,205,604
8. Clothing	36,442,974	611,080	23,185,084	743,600	74,486,372
9. Food, drink, and tobacco	133,968,949	4,475,159	26,464,937	2,616,691	192,382,418
10. Woodworking and basket-ware	16,941,981	421,069	8,941,376	743,672	32,579,790
11. Furniture, bedding, &c. . .	6,349,751	65,000	3,435,470	96,365	12,512,272
12. Paper, stationery, printing, bookbinding, &c.	26,320,322	792,078	12,832,946	849,257	51,620,706
13. Rubber	8,411,699	603,284	3,333,188	483,533	16,590,505
14. Musical instruments	124,183	7,115	149,306	4,652	326,164
15. Miscellaneous products ..	9,685,936	279,185	5,028,914	341,550	18,446,638
16. Heat, light, and power ..	5,705,905	7,312,178	3,642,702	1,027,093	22,363,401
Total	461,810,787	24,354,470	210,877,568	15,948,076	860,146,161

The difference between the sum of the first four columns and the last column in the preceding table represents the amount available for taxation, depreciation, interest, rent, insurance, &c., and funds available for profit. The proportions which this margin and the chief items of the specified costs of production bear to the total value of production in each class of industry are shown in the following table:—

VICTORIA—PROPORTIONATE VALUE OF COSTS, ETC., TO PRODUCTION IN FACTORIES, 1952-53.

Class of Industry.	Proportion of Costs, &c., to Total Value of Output.				
	Materials Used, including Containers.	Fuel, Light, and Power.	Salaries and Wages.	Tools Replaced, Repairs to Plant, Oil and Water Used.	All Other Expenditure Interest, and Profit.
	%	%	%	%	%
1. Treatment of non-ferrous mine and quarry products	45·7	7·6	24·2	3·7	18·8
2. Bricks, pottery, glass, &c.	21·1	17·2	36·1	8·5	17·1
3. Chemicals, dyes, explosives, paint, oils, and grease	57·6	2·7	18·5	2·2	19·0
4. Industrial metals, machines, implements, and conveyances ..	46·2	1·4	33·2	1·8	17·4
5. Precious metals, jewellery, and plate	40·4	1·7	35·9	1·6	20·4
6. Textiles and textile goods (not dress)	55·7	1·6	22·3	1·7	18·7
7. Skins and leather (not clothing or footwear)	61·8	1·8	19·5	1·9	15·0
8. Clothing	48·9	0·8	31·1	1·0	18·2
9. Food, drink, and tobacco	69·6	2·3	13·8	1·4	12·9
10. Woodworking and basketware	52·0	1·3	27·4	2·3	17·0
11. Furniture, bedding, &c. . .	50·7	0·5	27·5	0·8	20·5
12. Paper, stationery, printing bookbinding, &c. . .	51·0	1·5	24·9	1·6	21·0
13. Rubber	50·7	3·6	20·1	2·9	22·7
14. Musical instruments ..	38·1	2·2	45·8	1·4	12·5
15. Miscellaneous products ..	52·5	1·5	27·3	1·9	16·8
16. Heat, light and power ..	25·5	32·7	16·3	4·6	20·9
Total	53·7	2·8	24·5	1·9	17·1

VICTORIA—FACTORY COSTS AND OUTPUT, 1953-54.

Class of Industry.	Costs of—				Value of Output.
	Raw Materials Used, Including Containers.	Fuel, Light and Power Used.	Salaries and Wages Paid.	Tools Replaced, Repairs to Plant, Oil and Water Used.	
	£	£	£	£	£
1. Treatment of non-metallic products.	7,753,662	1,362,802	4,274,758	748,655	17,595,183
2. Bricks, pottery, glass, &c.	2,631,783	1,775,151	4,170,670	1,079,923	11,692,336
3. Chemicals, dyes, explosives, paint, oils and grease	40,321,022	1,816,282	11,247,851	1,353,826	70,836,980
4. Industrial metals, machines, implements, and conveyances	133,371,456	3,906,336	89,637,013	5,315,345	281,161,991
5. Precious metals, jewellery, and plate	2,259,137	94,706	1,960,050	88,650	5,545,988
6. Textiles and textile goods (not dress)	61,025,831	1,637,680	24,546,288	1,724,112	108,247,448
7. Skins and leather (not clothing or footwear)	12,427,585	347,453	3,949,154	356,331	19,595,770
8. Clothing	43,252,587	666,993	26,556,059	825,380	86,031,234
9. Food, drink, and tobacco	143,849,851	4,458,618	27,395,009	2,695,383	206,235,235
10. Woodworking and basketware.	19,141,249	458,383	9,640,927	813,036	36,795,372
11. Furniture, bedding, &c.	6,971,118	68,377	3,701,862	100,309	13,440,450
12. Paper, stationery, printing, bookbinding, &c.	30,446,440	1,017,055	14,358,453	1,002,772	59,839,308
13. Rubber	10,961,527	723,205	4,533,262	640,111	21,620,993
14. Musical instruments	230,921	10,813	206,530	11,891	549,463
15. Miscellaneous products	11,313,122	311,838	6,034,142	394,775	22,376,322
16. Heat, light, and power	5,570,632	8,883,498	3,824,558	972,799	23,941,054
Total	531,527,923	27,539,190	236,036,586	18,123,298	985,505,127

**VICTORIA—PROPORTIONATE VALUE OF COSTS, ETC,
TO PRODUCTION IN FACTORIES, 1953-54.**

Class of Industry.	Proportion of Costs, &c., to Total Value of Output.				
	Materials Used, Including Containers.	Fuel, Light, and Power.	Salaries and Wages.	Tools Replaced, Repairs to Plant, Oil and Water Used.	All Other Expenditure, Interest, and Profit.
	%	%	%	%	%
1. Treatment of non-metalliferous mine and quarry products	44·1	7·7	24·3	4·3	19·6
2. Bricks, pottery, glass, &c.	22·5	15·2	35·7	9·2	17·4
3. Chemicals, dyes, explosives, paint, oils and grease	59·2	2·6	15·9	1·9	20·4
4. Industrial metals, machines, implements and conveyances ..	47·4	1·4	31·9	1·9	17·4
5. Precious metals, jewellery, and plate	40·7	1·7	35·3	1·6	20·7
6. Textiles and textile goods (not dress)	56·4	1·5	22·7	1·6	17·8
7. Skins and leather (not clothing or footwear) ..	63·4	1·8	20·2	1·8	12·8
8. Clothing	50·3	0·8	30·9	2·0	16·0
9. Food, drink, and tobacco	69·7	2·2	13·3	1·3	13·5
10. Woodworking and basketware	52·0	1·2	26·2	2·2	18·4
11. Furniture, bedding, &c.	51·9	0·5	27·5	0·7	19·4
12. Paper, stationery, printing, bookbinding, &c. ..	50·9	1·7	24·0	1·7	21·7
13. Rubber	50·7	3·3	21·0	3·0	22·0
14. Musical instruments ..	42·0	2·0	37·6	2·2	16·2
15. Miscellaneous	50·6	1·4	26·9	1·8	19·3
16. Heat, light and power ..	23·3	37·1	16·0	4·1	19·5
Total	53·9	2·8	24·0	1·8	17·5

There are considerable variations in the proportions which the cost of materials and the expenditure on wages bear to the value of the output in the different classes of industries. These are, of course, due to the difference in the treatment required to convert the raw material to its manufactured form. Thus, in class two, the sum paid in wages represents 35·7 per cent. and the cost of raw materials 22·5 per cent. of the value of the finished article, whilst, in class nine, the expenditure on wages amounts to 13·3 per cent. and that on raw materials to 69·7 per cent. of the value of the output.

Costs of production. In the next table the costs of production, the value of the output of factories, and the balance available for profit and miscellaneous expenses are compared for each of the years 1944-45 to 1953-54.

VICTORIA—COSTS OF PRODUCTION, ETC., AND VALUE OF OUTPUT OF FACTORIES.

Year ended 30th June—	Specified Costs of Production.				All other Costs, &c. *	Total Value of Output.
	Materials, Including Containers.	Fuel, Light, and Power.	Salaries and Wages.	Tools Replaced, Repairs to Plant, Oil and Water Used.		
	£	£	£	£	£	£
1945	152,761,198	6,298,860	74,227,245	5,984,946	48,150,062	287,422,311
1946	154,224,950	6,305,727	70,499,214	6,208,244	49,751,273	286,989,408
1947	170,223,745	7,201,406	77,993,765	6,516,378	53,502,385	315,437,679
1948	203,121,836	8,339,792	93,802,188	7,449,377	64,698,832	377,412,025
1949	244,486,168	10,612,058	112,410,440	8,979,277	70,349,936	446,837,879
1950	284,197,019	12,822,004	130,254,694	10,202,650	88,989,913	526,466,280
1951	370,258,115	16,324,000	163,207,236	12,790,832	112,453,141	675,033,324
1952	463,121,444	20,778,840	202,585,880	15,706,814	131,774,045	833,967,023
1953	461,810,787	24,354,470	210,877,568	15,948,076	147,155,260	860,146,161
1954	531,527,923	27,539,190	236,036,586	18,123,298	172,278,130	985,505,127

* Includes all expenditure not specified on collection form, viz., taxation, depreciation, interest, rent, insurance, &c., and funds available for profit.

These figures are reduced in the succeeding statement to their respective percentages of the total output.

VICTORIA—PROPORTION OF OUTLAY TO OUTPUT OF FACTORIES.

Year ended 30th June—	Proportion of Outlay to Output.					Total.
	Materials, Including Containers.	Fuel, Light, and Power.	Salaries and Wages.	Tools Replaced, Repairs to Plant, Oil and Water Used.	Other Expendi- ture Interest, and Profit.	
	%	%	%	%	%	%
1945	53·1	2·2	25·8	2·1	16·8	100·0
1946	53·7	2·2	24·6	2·2	17·3	100·0
1947	54·0	2·3	24·7	2·1	16·9	100·0
1948	53·8	2·2	24·9	2·0	17·1	100·0
1949	54·7	2·4	25·1	2·0	15·8	100·0
1950	54·0	2·4	24·8	1·9	16·9	100·0
1951	54·8	2·4	24·2	2·0	16·6	100·0
1952	55·5	2·5	24·3	1·9	15·8	100·0
1953	53·7	2·8	24·5	1·9	17·1	100·0
1954	53·9	2·8	24·0	1·8	17·5	100·0

The ratio of cost of materials to the value of the output of factories was 54·4 per cent. on the average of the last five years, as against 53·8 per cent. in the period 1944-45 to 1948-49. The ratio of salaries and wages to output averages 24·3 per cent. over the last five years, as against 25 per cent. over the period 1944-45 to 1948-49. The proportionate outlay on fuel, light, and power was 2·6 per cent. as against 2·2 per cent. After allocating the proportion for repairs to plant and buildings, replacement of tools, and costs of lubricating oil and of water, the balance available for miscellaneous expenses, rent, interest, and manufacturers' profit was £16 16s. 3d. in every £100 of the total output value in the period 1949-50 to 1953-54, as compared with £16 14s. 3d. in the preceding five-year period.

In 1953-54 wages and salaries took 57·8 per cent. of the value added in manufacturing (see page 550), leaving 42·2 per cent. for the payment of expenses not specified above (taxation, depreciation, interest, rent, insurance, &c.), and funds available for profits.

In the following statement the amount of capital invested in machinery, plant, land, and buildings used in connexion with the various classes of manufacturing industries is shown for the years, 1952-53 and 1953-54:—

**Capital
invested in
manufacturing
plant and
premises.**

**VICTORIA—VALUE OF MACHINERY AND PLANT, LAND,
AND BUILDINGS, 1952-53 AND 1953-54.**

Class of Industry.	1952-53.		1953-54.	
	Value of Land and Buildings.	Value of Machinery and Plant.	Value of Land and Buildings.	Value of Machinery and Plant.
	£	£	£	£
1. Treatment of non-metalliferous mine and quarry products	2,257,605	2,782,128	2,467,007	2,962,012
2. Bricks, pottery, glass, &c.	1,716,404	2,022,262	1,861,565	2,084,667
3. Chemicals, dyes, explosives, paint, oils and grease	10,437,126	11,839,420	13,229,445	21,036,932
4. Industrial metals, machines, implements, and conveyances	42,658,487	35,833,345	50,912,463	39,687,162
5. Precious metals, jewellery, and plate	1,235,451	559,875	1,236,576	479,135
6. Textiles and textile goods (not dress)	12,030,463	13,858,387	13,902,210	15,468,612
7. Skins and leather (not clothing or footwear)	2,354,879	1,363,550	2,444,868	1,392,280
8. Clothing	9,847,250	4,733,031	10,687,492	5,291,814
9. Food, drink and tobacco	24,939,482	21,081,255	27,162,762	23,979,469
10. Woodworking and basketware	4,402,610	4,133,985	4,829,316	4,462,531
11. Furniture, bedding, &c.	2,431,583	872,374	2,582,028	874,536
12. Paper, stationery, printing, bookbinding, &c.	10,053,426	16,033,575	10,995,061	16,633,277
13. Rubber	2,230,833	1,966,428	2,632,324	2,287,052
14. Musical instruments	89,279	54,504	104,339	85,501
15. Miscellaneous products	3,272,278	2,668,121	3,628,780	3,152,761
16. Heat, light and power	5,367,706	27,562,984	9,532,895	41,180,779
Total	135,324,862	147,365,224	158,209,131	181,058,520

The capital invested in plant, buildings, &c., used in connexion with three classes of industry—food and drink, industrial metals, &c., and heat, light, and power—amounted, in 1953-54 to £192,455,530, approximately 57 per cent. of the total for all manufacturing industries.

The values of machinery and plant and of land and buildings used in connexion with manufacturing industries and the value of depreciation allowed thereon are shown in the next table for the years 1949-50 to 1953-54. The value recorded is the depreciated or book value less any existing depreciation reserve.

**VICTORIA—VALUE OF MACHINERY AND PLANT, LAND
AND BUILDINGS AND DEPRECIATION.**

Year ended 30th June—	Land and Buildings.		Machinery and Plant.	
	Value at end of Year	Depreciation allowed during year.	Value at end of Year.	Depreciation allowed during Year.
	£	£	£	£
1950	84,123,894	812,456	92,748,475	7,946,598
1951	100,326,255	994,682	107,261,327	10,322,238
1952	119,464,698	922,497	128,933,958	9,739,083
1953	135,324,862	1,295,126	147,365,224	9,917,066
1954	158,209,131	1,624,240	181,058,520	12,157,694

Accidents in factories.

In the appended table the number of accidents reported under the Factories Act and the incidence rate thereof are given for the past ten years. Since 1920 the Factories Act provides for the reporting of all factory accidents which prevent the employee from returning to work within twenty-four hours.

VICTORIA—ACCIDENTS IN FACTORIES

Year.					Number of Employees.	Number of Accidents.	Percentage of Accidents to Number of Employees.
1945	..	..	..	..	231,984	6,116	2·636
1946	..	..	..	..	241,705	6,387	2·642
1947	..	..	..	..	256,867	7,104	2·766
1948	..	..	..	..	275,365	6,659	2·416
1949	..	..	..	..	292,667	5,956	2·035
1950	..	..	..	..	305,066	6,418	2·104
1951	..	..	..	..	297,473	5,809	1·953
1952	..	..	..	..	279,736	4,910	1·755
1953	..	..	..	..	299,772	5,275	1·760
1954	..	..	..	..	312,735	7,772	2·485

Manufactures—Penal Department and Blind Institute.

The foregoing tables do not include particulars relating to work of various kinds done at the Pentridge Penal Establishment and at the Royal Victorian Institute for the Blind. At the former establishment the manufacture and process treatment in relation to the following industries are carried on:—Textile, tailoring, clothing, footwear, brushware, coir-matting, wood and metal working, knitting, printing, bookbinding, &c. The approximate value of output during 1954 was £149,690 (£121,166) and of materials used £90,014 (£79,404). The articles produced are used principally by Government Departments. The work carried on by the latter establishment is the manufacture of brushware, brooms, basketware, mats, and matting, and in 1953-54 122 persons (111 males and 11 females) were employed. The value of the articles produced for the twelve months ending 30th June, 1953, was £98,709 and for the period ending 31st March, 1954, £118,310.

Factory Statistics by Municipalities.

Although approximately 70 per cent. of the factories in Victoria are located within the Metropolitan Area, some of the municipalities outside the Metropolitan Area also have important manufacturing industries.

The following tables give factory statistics for the Metropolitan and for the more important extra-metropolitan municipalities for the years 1952-53 and 1953-54:—

VICTORIA—FACTORY STATISTICS BY MUNICIPALITIES 1952-53.

Municipality.	Factories.	Persons Employed (a).		Salaries and Wages Paid (b).	Value of—			
		Males.	Females.		Materials Used.	Output.	Land and Buildings.	Plant and Machinery.
	No.	No.	No.	£'000.	£'000.	£'000.	£'000.	£'000.
Melbourne	2,626	34,654	18,880	35,480	72,592	135,659	22,827	17,743
Brunswick	612	7,719	5,150	7,976	15,527	31,517	5,039	4,019
Essendon	281	3,971	850	3,284	4,072	9,089	1,675	1,155
Coburg	255	2,654	1,352	2,519	4,729	9,564	1,546	1,142
Preston	314	4,225	1,304	3,559	6,499	12,570	2,645	1,523
Northcote	249	2,086	782	1,792	2,244	5,425	1,066	683
Fitzroy	479	7,079	3,820	7,009	13,211	25,103	3,317	3,539
Collingwood	563	11,502	6,684	12,151	23,127	44,430	6,519	4,518
Kew	86	262	114	179	390	758	197	95
Camberwell	250	1,580	1,034	1,427	2,431	5,120	1,135	779
Hawthorn	289	2,467	1,385	2,463	4,159	8,390	1,853	1,136
Richmond	479	11,338	4,864	11,304	21,687	43,877	8,316	7,941
Prahran	586	4,434	2,965	4,416	10,345	18,317	2,639	1,957
Malvern	254	1,886	798	1,477	2,719	5,500	1,264	619
Caulfield	345	1,441	756	1,173	2,462	4,636	1,124	662
Oakleigh	152	2,096	767	1,851	3,567	7,292	1,319	1,001
Sandringham	96	616	280	491	1,032	2,108	421	195
Brighton	148	1,016	395	857	2,942	4,599	735	812
St. Kilda	272	1,401	694	1,200	1,929	4,175	854	520

Factories, Fisheries, Mines, &c.

VICTORIA—FACTORY STATISTICS BY MUNICIPALITIES, 1952-53—*continued.*

Municipality.	Factories.	Persons Employed (a).		Salaries and Wages Paid (b).	Value of—			
		Males.	Females.		Materials Used.	Output.	Land and Buildings.	Plant and Machinery.
	No.	No.	No.	£'000.	£'000.	£'000.	£'000.	£'000.
South Melbourne	563	15,140	3,594	13,926	29,006	54,568	6,605	5,453
Port Melbourne	139	15,360	2,077	14,810	25,717	50,882	6,917	6,997
Footscray	339	13,794	3,226	12,877	36,419	61,246	7,290	10,466
Williamstown	130	9,408	775	7,352	11,637	28,755	4,230	11,095
Sunshine	165	11,211	2,292	10,696	23,083	41,473	8,297	9,879
Heidelberg	145	1,806	458	1,603	4,341	8,091	2,864	3,985
Box Hill	112	944	431	862	1,537	3,081	883	913
Moorabbin	194	2,525	1,151	2,502	5,657	10,007	2,422	2,376
Mordialloc	94	970	293	810	2,483	4,132	473	469
Chelsea	33	241	136	222	384	722	95	35
Kellor	20	160	51	124	82	351	120	88
Broadmeadows	31	323	28	239	1,263	1,888	343	247
Nunawading	82	1,327	367	1,119	1,517	3,873	1,159	784
Mulgrave	28	378	31	314	386	868	498	465
Ringwood	51	342	196	298	379	935	289	177
Total Metropolitan ..	10,462	176,356	67,980	168,362	339,555	649,001	106,976	103,468

VICTORIA—FACTORY STATISTICS BY MUNICIPALITIES, 1952-53—*continued.*

Municipality.	Factories.	Persons Employed (a).		Salaries and Wages Paid (b).	Value of—			
		Males.	Females.		Materials Used.	Output.	Land and Buildings.	Plant and Machinery.
	No.	No.	No.	£'000.	£'000.	£'000.	£'000.	£'000.
Werribee	52	587	166	496	3,987	6,005	323	999
Dandenong	119	2,169	633	1,962	7,031	10,471	1,802	1,545
Lilydale	85	444	161	323	909	1,520	260	207
Bacchus Marsh	20	227	21	178	1,065	1,546	92	94
*Geelong	338	10,250	2,461	8,957	20,426	37,832	3,527	5,417
Frankston and Hastings	60	391	412	420	881	1,655	294	203
Korumburra	35	341	65	277	1,529	2,256	211	280
Alexandra	29	278	32	193	481	1,509	161	661
Castlemaine	57	982	311	785	1,102	2,472	319	444
Maryborough	48	912	347	771	1,623	2,837	203	337
†Ballarat (incl. Sebastopol)	272	4,850	1,616	4,060	6,735	13,580	2,248	2,265
†Colac	88	750	218	597	2,089	3,229	345	281
Hampden	57	519	132	417	1,890	2,769	231	357
Heytesbury	23	145	12	110	918	1,187	78	130
†Warrnambool	97	1,435	535	1,263	5,398	7,886	947	1,158
Hamilton	67	435	72	322	489	1,076	290	315
†Portland	64	816	66	619	1,272	2,439	228	381
Horsham	62	441	123	312	1,022	1,576	265	164
†Stawell	53	526	131	382	945	1,654	175	216
†Mildura	112	1,157	269	839	1,163	2,738	476	685

Factories, Fisheries, Mines, &c.

VICTORIA—FACTORY STATISTICS BY MUNICIPALITIES, 1952-53—continued.

Municipality.	Factories.	Persons Employed (a).		Salaries and Wages Paid (b).	Value of—			
		Males.	Females.		Materials Used.	Output.	Land and Buildings.	Plant and Machinery
		No.	No.		£'000.	£'000.	£'000.	£'000.	£'000.
†Swan Hill	71	443	144	334	806	1,432	251	239
Marong	12	249	142	230	1,386	1,947	309	560
Bendigo (incl. Eaglehawk)	185	2,596	959	2,203	6,023	9,727	1,293	2,660
Strathfieldsaye	5	720	19	525	912	1,828	246	95
Echuca	43	453	107	340	1,055	1,580	322	567
Deakin	9	116	22	111	1,244	1,408	231	169
Kerang	47	279	101	216	703	1,248	150	196
Rodney	59	682	274	664	3,826	5,489	947	1,100
†Shepparton	84	918	298	798	3,378	5,222	929	1,502
Benalla	53	408	258	375	945	1,531	245	253
†Wangaratta	78	1,157	423	1,014	2,930	5,379	677	990
Bright	32	336	15	238	465	1,149	437	2,359
Sale	35	283	103	231	688	1,153	131	185
Maffra	26	858	109	753	4,491	5,898	332	771
Woorayl	20	173	25	136	1,812	2,088	129	122
Morwell (including Yallourn)	48	2,467	230	2,247	3,237	12,675	3,210	8,707
Narracan	59	398	116	301	1,033	1,667	212	247
Buln Buln	43	471	57	364	1,512	2,229	188	273
Other Municipalities ..	2,045	11,706	2,870	8,153	24,855	41,258	5,635	6,763
Total Country	4,692	52,368	14,055	42,516	122,256	211,145	28,349	43,897
Total State	15,154	228,724	82,035	210,878	461,811	860,146	135,325	147,365

* Includes Corio, Geelong West, and Newtown and Chilwell.

† Includes Shire of same name.

(a) Includes Working Proprietors.

(b) Excludes drawings of Working Proprietors.

VICTORIA—FACTORY STATISTICS BY MUNICIPALITIES, 1953-54.

Municipality.	Factories.	Persons Employed (a)		Salaries and Wages Paid (b).	Value of—			
		Males.	Females.		Materials Used.	Output.	Land and Buildings.	Plant and Machinery.
	No.	No.	No.	£'000.	£'000.	£'000.	£'000.	£'000.
Melbourne	2,594	34,849	19,606	38,067	79,902	147,003	24,680	18,654
Brunswick	620	8,511	5,962	9,573	18,879	37,893	5,773	4,655
Essendon	286	4,084	1,026	3,652	4,611	10,210	1,620	1,271
Coburg	268	2,857	1,551	2,954	5,965	11,544	1,721	1,141
Preston	329	4,837	1,593	4,387	8,222	15,631.	3,349	2,409
Northcote	266	2,329	1,141	2,236	3,075	7,039	1,274	808
Fitzroy	479	7,091	4,117	7,549	14,605	27,099	3,369	2,966
Collingwood	555	12,212	7,292	13,547	27,144	49,683	6,958	5,541
Kew	87	289	189	247	537	1,027	272	120
Camberwell	270	1,542	851	1,424	2,916	5,916	1,284	847
Hawthorn	301	2,645	1,848	2,805	4,588	10,021	2,303	1,212
Richmond	479	11,659	5,509	12,513	24,066	47,812	8,702	8,579
Prahran	592	4,725	3,259	5,314	12,589	22,302	2,970	2,330
Malvern	248	1,882	833	1,688	2,873	5,967	1,177	622
Caulfield	368	1,573	938	1,372	2,934	5,708	1,259	711
Oakleigh	182	2,440	1,011	2,463	5,208	9,906	1,711	1,270
Sandringham	83	603	290	539	1,315	2,410	461	170
Brighton	150	1,090	435	1,012	2,726	4,707	874	772
St. Kilda	308	1,571	863	1,474	2,528	5,371	1,004	645

Factories, Fisheries, Mines, &c.

VICTORIA—FACTORY STATISTICS BY MUNICIPALITIES, 1953-54—*continued.*

Municipality.	Factories.	Persons Employed (a).		Salaries and Wages Paid (b).	Value of—			
		Males.	Females.		Materials Used.	Output.	Land and Buildings.	Plant and Machinery.
	No.	No.	No.	£'000.	£'000.	£'000.	£'000.	£'000.
South Melbourne	545	15,283	3,836	14,836	31,874	60,041	7,461	5,564
Port Melbourne	137	17,050	2,042	16,580	25,222	56,247	10,427	8,514
Footscray	348	14,016	3,746	14,029	42,806	69,182	7,910	11,319
Williamstown	135	9,787	953	8,002	13,960	31,841	4,484	11,943
Sunshine	182	11,857	2,381	11,841	27,602	49,977	9,044	11,193
Heidelberg	159	2,090	484	1,876	5,281	10,080	3,039	3,957
Box Hill	110	931	411	907	2,029	3,888	964	1,002
Moorabbin	245	3,331	1,526	3,419	7,442	13,400	3,262	3,034
Mordialloc	102	1,121	425	977	3,112	5,296	531	578
Chelsea	32	233	144	239	379	752	104	45
Keilor	25	213	100	200	328	790	148	111
Broadmeadows	37	384	36	316	1,266	2,052	380	287
Nunawading	89	1,403	487	1,307	2,147	4,876	1,254	857
Mulgrave	41	778	198	726	989	2,484	1,391	1,061
Ringwood	51	375	237	355	487	1,097	350	193
Total Metropolitan ..	10,703	185,641	75,320	188,426	389,607	739,252	121,510	114,381

VICTORIA—FACTORY STATISTICS BY MUNICIPALITIES, 1953-54—continued.

Municipality.	Factories.	Persons Employed (a).		Salaries and Wages Paid (b).	Value of—			
		Males.	Females.		Materials Used.	Output.	Land and Buildings.	Plant and Machinery.
	No.	No.	No.	£'000.	£'000.	£'000.	£'000.	£'000.
Werribee	49	614	203	572	3,104	5,220	1,100	949
Dandenong	129	2,390	714	2,293	10,020	14,024	2,154	1,670
Ferntree Gully	73	481	210	431	712	1,422	301	277
Lilydale	88	577	227	460	1,064	1,960	280	251
Bacchus Marsh	21	193	17	171	835	1,212	101	84
*Geelong	351	11,467	2,655	10,614	29,112	52,413	5,249	16,236
Frankston and Hastings	62	438	438	496	864	1,739	277	226
Korumburra	39	337	65	285	1,396	2,484	225	333
Alexandra	31	263	14	185	438	1,133	181	656
Castlemaine	57	1,004	315	825	1,353	3,053	345	467
Maryborough	51	874	372	773	1,252	2,507	200	295
Ararat (a)	61	540	152	421	641	1,500	276	472
†Ballarat (including Sebastopol)	289	4,978	1,720	4,654	7,919	15,818	2,992	5,033
†Colac	86	723	248	639	2,310	3,647	358	314
‡Camperdown	28	198	79	164	715	1,087	160	238
Hampden	32	310	45	247	1,337	1,913	124	268
Heytesbury	20	156	14	126	973	1,323	80	139
†Warrnambool	99	1,531	615	1,412	6,182	8,987	1,328	1,257
Hamilton	68	458	122	351	576	1,212	278	303

Factories, Fisheries, Mines, &c.

VICTORIA—FACTORY STATISTICS BY MUNICIPALITIES, 1953-54—*continued.*

Municipality.	Factories.	Persons Employed (a).		Salaries and Wages Paid (b).	Value of—			
		Males.	Females.		Materials Used.	Output.	Land and Buildings.	Plant and Machinery.
	No.	No.	No.	£'000.	£'000.	£'000.	£'000.	£'000.
†Portland	68	879	73	696	1,498	2,773	269	411
Horsham	61	429	108	312	812	1,387	288	168
†Stawell	55	547	155	447	1,187	2,113	177	248
†Mildura	120	1,152	273	844	1,101	2,814	755	1,979
†Swan Hill	77	421	153	320	689	1,325	278	275
Marong	13	356	165	350	1,682	2,543	323	575
Bendigo (including Eaglehawk)	187	2,449	997	2,201	5,944	9,369	1,336	2,660
Strathfieldsaye	5	753	18	556	774	1,650	238	85
Echuca	50	465	86	354	1,374	2,019	330	593
Kerang	50	297	109	234	777	1,186	156	208
Rodney	63	675	351	745	4,895	7,080	962	1,231
†Shepparton	84	962	324	927	4,004	6,440	1,129	1,605
†Benalla	55	432	262	389	983	1,693	271	300
†Wangaratta	73	1,344	550	1,240	3,500	6,781	764	1,024
Bright	34	384	18	278	511	1,215	455	2,528
Sale	35	291	113	250	723	1,210	142	179
Maflra	25	851	104	769	4,622	6,197	386	823
Woorayl	18	195	16	143	1,836	2,104	151	148
Morwell	43	1,375	217	1,346	4,048	8,077	1,889	3,850
Narracan	63	458	123	372	1,331	2,139	252	306
Bairnsdale	52	403	56	285	724	1,165	223	188
Buln Buln	38	467	62	398	1,972	2,770	220	291
Other Municipalities	1,921	10,792	2,687	7,928	25,556	41,773	6,072	7,011
Yallourn Works Area	6	1,148	14	1,107	575	7,776	3,804	10,524
Total Country	4,830	55,057	15,259	47,610	141,921	246,253	36,879	66,678
Total State	15,533	240,698	90,579	236,036	531,528	985,505	158,389	181,059

* Includes Corio, Geelong West, and Newtown and Chillwell.

† Includes Shire of same name.

‡ Formerly included with the Shire of Hampden.

(a) and (b)—See footnotes on page 602.

Included in the item "Other Municipalities" in table on page 602 were *inter alia* :—Fern Tree Gully, 67 factories, £1,053,000 value of output; Upper Yarra, 38, £1,055,000; Healesville, 42, £854,000; Broadford, 10, £930,000; Kyneton, 54, £806,000; Daylesford, 23, £698,000; Ararat, 61, £1,396,000; Glenelg, 29, £680,000; St. Arnaud, 22, £754,000; Dunmunkle, 28, £1,110,000; Warracknabeal, 34, £669,000; Lowan, 24, £621,000; Cohuna, 17, £1,102,000; Charlton, 18, £735,000; Numurkah, 38, £897,000; Mansfield, 28, £630,000; Wodonga, 44, £1,096,000; Orbost, 40, £961,000; Bairnsdale, 55, £1,046,000; Alberton, 20, £881,000; South Gippsland, 20, £749,000; Warragul, 38, £1,506,000.

Included in the item "Other Municipalities" in table on page 606 were *inter alia* :—Upper Yarra, 31 factories, £1,088,000, value of output; Healesville, 40, £1,025,000; Broadford, 13, £983,000; Kyneton, 57, £937,000; Daylesford, 21, £819,000; Glenelg, 33, £751,000; St. Arnaud, 25, £804,000; Dunmunkle, 26, £858,000; Warracknabeal, 30, £446,000; Lowan, 25, £350,000; Cohuna, 16, £1,251,000; Charlton, 15, £471,000; Numurkah, 41, £1,064,000; Mansfield, 27, £740,000; Wodonga, 40, £1,071,000; Orbost, 43, £1,163,000; Alberton, 19, £925,000; South Gippsland, 28, £1,185,000; Warragul, 35, £1,662,000.

Certain information relating to quantities and values of commodities produced in Victoria is given in the tables relating to "Individual Industries" shown on page 566 *et seq.* The next table lists the principal articles of manufacture in Victoria irrespective of the sub-class of industry in which production took place. Due to the limited number of producers it is not permissible to publish particulars regarding some articles of manufacture which would otherwise appear hereunder.

PRINCIPAL ARTICLES MANUFACTURED IN VICTORIA, 1952-53 and 1953-54.

Article.	1952-53.			1953-54.	
	Unit of Quantity.	Quantity.	Value.	Quantity.	Value.
Acid—Sulphuric	ton	220,430	£ *	252,855	£ *
Aerated and Carbonated Waters	'000 gal.	12,255	2,180,081	12,487	2,347,363
Batteries—Auto, radio ..	No.	182,096	683,780	300,755	1,107,732
Beer	'000 gal.	57,882	8,758,357	63,633	10,396,221
Biscuits	'000 lb.	39,598	3,209,054	40,704	3,555,302
Blankets	pair	265,832	1,547,838	339,924	2,294,492
Bolts and Nuts .. .. .	..	..	1,432,401	..	1,232,497
Boxes and Cartons—Cardboard †	..	..	4,656,692	..	6,125,717
Boxes and cases—Wooden ‡	..	..	2,962,683	..	2,886,066
Bread—2-lb. loaves	'000	187,050	8,226,338	186,997	9,575,777

* Quantity only available.

† Other than butter boxes.

‡ Including cardboard butter boxes and those of cardboard with wooden ends.

PRINCIPAL ARTICLES MANUFACTURED IN VICTORIA—continued.

Article.	1952-53.			1953-54.	
	Unit of Quantity.	Quantity.	Value.	Quantity.	Value.
Bricks—Clay	'000	164,266	2,255,569	198,478	2,918,233
Briquettes—Brown Coal	ton	544,973	1,557,126	587,252	1,672,291
Butter	ton	57,323	22,679,997	63,616	25,743,452
Cakes, Pastry, Pies, &c. .. .. .	..	..	6,286,719	..	6,463,641
Cans, Canisters, containers— Metal .. .. .	..	..	8,860,246	..	9,506,042
Cardboard	ton	33,012	3,508,420	58,041	5,488,392
Cheese	ton	22,377	5,581,759	25,977	6,108,125
Cigarettes	'000	2,717,438	6,480,211	3,706,652	8,792,965
Canvas and Duck	sq. yd.	2,793,946	1,997,748	3,342,299	1,590,190
Cloth Piece Goods— Woolen	sq. yd.	6,913,261	4,617,119	6,966,526	7,548,864
Worsted	sq. yd.	5,864,257	5,934,532	7,430,767	4,961,884
Confectionery— Chocolate	'000 lb.	21,250	4,282,101	23,730	5,238,739
Other without chocolate	'000 lb.	27,056	3,186,382	28,769	3,459,525
Electrical Appliances— Household Fittings (Switches, Fuses, &c.) .. .. .	..	..	1,329,897	..	1,660,611
Regulating, Starting, Controlling, &c. .. .. .	..	..	1,665,261	..	1,947,793
Electricity Generated	Mill. kWh.	3,193	*	3,693	*
Enamels—(Natural and Synthetic)	'000 gal.	532	1,264,846	640	1,465,005
Fibrous Plaster Sheets	'000 sq. yds.	6,754	2,001,692	6,665	1,932,741
Flock	'000 lb.	10,573	785,857	10,112	905,061
Flour—Wheaten	Short ton	578,766	14,422,776	461,687	13,178,331
Footwear— Boots and Shoes— Men's and Youth's	pair	2,337,532	5,018,297	2,450,596	5,581,541
Women's and Maid's	pair	4,224,127	8,009,855	5,143,431	9,504,695
Children's	pair	1,241,926	1,338,352	1,417,908	1,500,890
Sandals	pair	494,483	579,803	620,013	731,857
Slippers	pair	3,389,402	1,919,027	4,240,842	2,865,708
Fruit—Preserved— Peaches	'000 lb.	52,596	2,975,618	79,874	4,744,699
Pears	'000 lb.	50,092	2,884,862	64,193	3,931,778
Furniture and Office Equipment— Metal .. .. .	..	..	1,601,792	..	1,992,415
Wooden .. .. .	..	..	6,321,630	..	6,979,160
Gas—Town	mill. cub. ft.	13,136	8,491,707†	13,715	9,091,993†
Ice	ton	322,420	960,268	297,349	872,678
Ice Cream	'000 gal.	4,240	1,945,639	4,075	1,916,397
Jams, Fruit Spreads, and Butters, &c.	'000 lb.	26,429	1,473,332	30,814	1,725,247
Leather— Dressed and Upper from Hides (excluding Patent)	'000 sq. ft.	17,748	2,082,134	17,815	2,152,637
Sole and belting	'000 lb.	15,431	2,123,931	16,104	2,229,165
Machinery—Industrial— Hoists, Cranes, Lifting .. .. .	..	..	1,076,266	..	1,155,947
Food Processing and Canning .. .. .	..	..	850,253	..	1,207,369
Metal Working— Machine Tools .. .. .	..	..	1,355,006	..	1,365,753
Other .. .. .	..	..	766,811	..	343,923
Pumping (including Pumps) .. .. .	..	..	1,246,059	..	1,504,318
Refrigerating (not Household) .. .. .	..	..	785,381	..	856,642
Malt—Barley	bus.	4,020,604	4,136,084	4,529,084	5,172,049

* Quantity only available.

† Value of gas sold.

PRINCIPAL ARTICLES MANUFACTURED IN VICTORIA—continued.

Article.	1952-53			1953-54.	
	Unit of Quantity.	Quantity.	Value.	Quantity.	Value.
			£		£
Mattresses—All types ..	No.	286,458	1,963,497	316,711	2,085,323
Meat—Canned ..	'000 lb.	83,938	10,164,869	61,399	7,986,514
Medicines, &c. (Proprietary) ..	..	..	1,686,128	..	3,923,473
Milk					
Condensed ..	'000 lb.	74,824	5,262,543	80,637	5,469,304
Powdered—Full Cream ..	..	26,717	3,752,258	28,913	3,934,675
Paints—Ready Mixed ..	'000 gal.	1,179	2,472,655	1,423	2,866,766
Pipes—Concrete ..	..	..	1,045,246	..	1,149,592
Pollard ..	short ton	125,654	2,481,261	97,549	1,963,757
Ropes and Cables (excluding Wire) ..	..	..	..	..	..
Wire ..	cwt.	58,943	1,062,766	59,005	965,256
Sauce—Tomato ..	'000 pint	10,030	837,091	9,771	925,599
Sausage Casings—Mutton and Lamb ..	cwt.	21,784	1,223,845	20,095	1,065,762
Shirts (Men's and boy's) ..	doz.	351,537	*	522,978	*
Sinks—Stainless Steel ..	No.	72,689	1,027,927	81,216	1,168,296
Soap ..	cwt.	357,882	1,624,901	333,078	1,677,536
„ Extracts and Powders—					
Household ..	cwt.	337,407	1,182,267	359,927	2,131,667
Socks and Stockings—Men's and Boy's ..	doz. pair	1,293,900	4,116,641	1,522,154	4,401,724
Stockings—Women's, Girl's ..	doz. pair	1,425,152	6,714,125	1,659,849	7,798,953
Soup—Tomato ..	'000 pint	15,664	1,078,321	16,603	1,114,610
Steam Gas Water Fittings, Valves, &c. ..	..	..	2,612,933	..	2,458,482
Steel—Structural—Fabricated ..	ton	20,075	2,308,229	21,454	2,327,069
Tiles—Roofing— ..	..	..	..	..	..
Cement ..	'000	17,742	613,455	17,495	580,439
Terra Cotta ..	'000	14,571	643,182	15,150	693,533
Timber produced from logs—	'000 sup.				
Local ..	ft.	322,209	*	338,957	*
Tobacco ..	'000 lb.	7,150	4,886,952	7,637	5,284,298
Trailers ..	No.	1,686	793,386	1,418	420,081
Transformers and converters ..	No.	49,873	1,064,761	75,085	1,234,515
Tyres Retreaded and Recapped ..	No.	337,423	1,831,820†	361,103	1,675,322†
Underwear — Knitted Garments—					
Men's and boy's ..	doz.	473,651	*	620,524	*
Women's and Girl's ..	doz.	628,780	*	1,225,997	*
Vegetables, Preserved in Liquid ..	'000 lb.	18,305	1,262,326	14,784	1,097,275
Window Frames—Metal ..	..	..	1,024,834	..	1,295,871
Wool—Scoured or Carbonized ..	'000 lb.	50,328	*	54,489	*
Wool Tops ..	'000 lb.	10,411	*	14,046	*

* Quantity only available. † Amount charged for retreading and recapping.

VALUE OF VICTORIAN PRODUCTION.

The value of production as estimated in the following table is based to a large extent on returns received annually from individual producers throughout the State. As a measure of total production it is incomplete, as it does not include the building and construction industry, it omits factories employing less than four hands (unless power-driven machinery is used) and excludes agriculturists with holdings of less than 1 acre.

Gross value is defined as the value placed on recorded production at the wholesale price realized in the principal market. In cases where primary products are absorbed locally, or where they become raw material for secondary industry, these points are presumed to be the principal markets. Care is taken to prevent as far as possible all overlapping or double counting. The primary value of dairy production, in accordance with the above definition, is the price paid at the factory for milk or cream sold by the farmer; the value added by the process of manufacturing into butter, &c., is included in manufacturing production.

VICTORIA—GROSS VALUE OF PRODUCTION.

Division of Industry.	Year ended 30th June—				
	1951.	1952.	1953.	1954.	1955.
	£'000.	£'000.	£'000.	£'000.	£'000.
Agriculture	72,100	88,629	93,350	89,374	84,305
Pastoral	171,833	110,830	124,305	123,226	130,680
Dairying*	35,991	47,285	51,865	57,730	62,000
Poultry and Bees ..	14,016	18,280	22,129	22,170	20,261
Trapping	3,395	3,572	2,970	2,227	2,315
Forestry	7,102	9,275	9,620	10,190	10,721
Fisheries	821	824	894	986	1,002
Mining	5,907	7,926	8,535	9,329	10,809
Manufacturing† ..	275,660	334,360	358,032	408,314	452,223
Total	586,825	620,981	671,700	723,546	774,316

* Includes Subsidy—1950-51, £5,255,975; 1951-52, £7,117,003; 1952-53, £5,582,784; 1953-54, £6,811,943; 1954-55, £7,529,000.

† Manufacturing is included at its net or added value because the gross or wholesale selling value contains so much duplication of products, the finished article of one class of manufacture forming in numerous cases the raw material for others.

The ultimate aim of the valuation of production is to arrive at the sum available for distribution among those concerned in each class of industry, i.e.—

- (a) Workers in all grades of the industry.
- (b) Proprietors (including landlords) of any of the instruments of production concerned.
- (c) Providers of capital, including debenture holders and mortgagees.

It is, therefore, necessary to deduct from the gross values of realization all costs of marketing and production, the former including freight, cartage, brokerage, commission, insurance, and containers, and the latter such items as stock feed, seed costs, manures, spraying, animal dips, fuel, power, water, all other materials consumed in the process of production, and depreciation. Complete details of these costs are not available for the forestry and fishing industries in Victoria, but the following table gives the value of production in detail after deduction of marketing costs, and may be considered to represent with a fair degree of accuracy the value of Victorian production at the place of production.

VICTORIA—VALUE AT THE PLACE OF PRODUCTION.

Produce.	Value in Year Ended 30th June—				
	1951.	1952.	1953.	1954.	1955.
	£'000.	£'000.	£'000.	£'000.	£'000.
Agriculture	64,520	77,363	80,392	74,787	70,299
Barley	2,045	2,238	2,890	2,840	2,494
Maize	177	154	142	225	147
Oats	3,135	4,431	2,383	2,398	3,292
Wheat	30,820	31,082	34,874	31,315	24,952
Onions	505	790	489	614	681
Potatoes	3,169	4,473	3,896	3,100	4,801
Other Vegetables	6,086	10,005	8,982	7,403	7,742
Hay and Straw	8,295	10,862	11,882	12,406	11,034
Fruit—					
Orchards	4,421	5,520	6,077	6,282	6,883
Vineyards	3,930	5,638	6,379	5,213	5,090
Other Crops	1,937	2,170	2,398	2,991	3,183
Pastoral	165,368	103,870	113,856	113,254	119,424
Wool	129,621	60,178	72,359	67,648	68,581
Sheep, slaughtered	13,664	14,238	16,676	15,924	19,965
Cattle, slaughtered	22,083	29,454	24,821	29,682	30,878
Dairying*	34,351	45,426	49,823	55,552	59,677
Cream for butter	12,376	16,275	19,080	21,624	27,069
Milk for cheese	2,612	3,535	4,396	5,003	4,011
Milk for condensing, concentrating, &c.	3,681	5,317	6,697	6,306	5,587
Whole milk consumed	7,066	8,801	9,747	11,087	11,282
Pigs	3,360	4,381	4,320	4,720	4,469
Poultry and Bees	12,944	16,903	20,457	20,479	18,690
Eggs	9,364	12,936	16,036	15,202	14,227
Poultry	3,311	3,754	4,152	4,875	4,110
Honey and beeswax	269	213	269	402	335

* Inclusive of Subsidy—1950-51, £5,255,975; 1951-52, £7,117,003; 1952-53, £5,582,784; 1953-54, £6,811,943; 1954-55, £7,259,000.

VALUE AT THE PLACE OF PRODUCTION—*continued.*

Produce.	Value in Year Ended 30th June—				
	1951.	1952.	1953.	1954.	1955.
	£'000.	£'000.	£'000.	£'000.	£'000.
Trapping, &c.	3,193	3,327	2,717	2,047	2,153
Rabbits and hares	1,869	2,671	2,140	1,361	1,454
Rabbit and hare skins, &c.	1,324	656	577	686	699
Forestry	6,437	8,479	8,904	9,475	9,987
Sawmills	3,854	5,399	6,127	6,686	7,130
Firewood	2,448	2,939	2,617	2,631	2,695
Bark for tanning	135	141	160	158	162
Fisheries	699	705	753	834	849
Fish	678	649	676	714	757
Crayfish	21	55	75	119	92
Oysters .. .. .	..	1	2	1	..
Mining	5,274	7,008	8,535	9,329	10,080
Gold	1,047	1,019	1,155	1,039	887
Coal—					
Black	379	504	728	946	886
Brown	1,685	2,729	3,255	3,628	3,945
Other Metals and Minerals	68	93	442	761	1,063
Quarrying	2,095	2,573	2,955	2,955	3,299
Total Primary	292,786	263,081	285,437	285,757	291,159
Manufacturing	275,660	334,360	358,032	408,314	452,223
Grand Total	568,446	597,441	643,469	694,071	743,382

The values of production of the various classes of industry, as they appear in the previous table for the years 1953-54 and 1954-55, are shown hereafter, together with the costs of production where available. The difference between the two figures represents the net value of production or the net return available to the producers for wages, rent, interest, and profits. As previously explained, the deductions are incomplete, and depreciation (see next page) has been here disregarded, but the margin of error is considered to be small in view of the comparative unimportance of the industries concerned from the point of view of production costs.

VICTORIA—NET VALUE OF PRODUCTION, 1953-54.

Industry.	Value at Place of Production.	Cost of Production.*	Net Value.	Net Value per Head of Population.
	£	£	£	£ s. d.
Agriculture	74,786,697	9,162,595	65,624,102	27 1 8
Pastoral	113,253,748	4,324,071	108,929,677	44 19 2
Dairying	55,551,824	9,350,322	46,201,502	19 1 5
Poultry and Bees	20,479,598	6,086,044	14,393,554	5 18 10
Trapping, Forestry, and Fisheries	12,356,415	†	12,356,415	5 2 0
Mining	9,328,949	2,052,431	7,276,518	3 0 1
Manufacturing	408,314,716	..	408,314,716	168 10 6
Total	694,071,947	30,975,463	663,096,484	273 13 8

* Cost of production include stock feed, seed costs and picking, manures, spraying, sheep and cattle dips, power, fuel, water, and all other materials used in production, but excludes depreciation, wages, and maintenance costs.

† Not available.

VICTORIA—NET VALUE OF PRODUCTION 1954-55.

Industry.	Value at Place of Production.	Cost of Production.*	Net Value.	Net Value per Head of Population.
	£	£	£	£ s. d.
Agriculture	70,299,586	8,783,962	61,515,624	24 14 6
Pastoral	119,423,454	7,227,782	112,195,672	45 1 10
Dairying	59,677,280	13,249,930	46,427,350	18 13 2
Poultry and Bees	18,690,191	6,541,028	12,149,163	4 17 8
Trapping, Forestry, and Fisheries	12,989,368	†	12,989,368	5 4 5
Mining	10,079,901	1,933,865	8,146,036	3 5 6
Manufacturing	452,223,202	..	452,223,202	181 15 1
Total	743,382,982	37,736,567	705,646,415	283 12 2

* , †, See notes above.

**Employment
in factories.**

The index which follows has been compiled from the particulars of monthly employment furnished on Annual Factory Statistics Forms. These forms provide for the collection of the number of workers on the factory pay-roll on the last pay day of each month. (Prior to 1950-51 it was the pay day nearest the 15th day of the month.)

Due to the suspension of the tabulation—referred to in previous issues of the *Year-Book*—figures in respect of 1948-49 and 1949-50 have been estimated.

INDEX OF FACTORY EMPLOYMENT.

(Base—July, 1933, 136,793 = 1,000.)

Month.	1947-48.	1948-49.	1949-50.	1950-51.	1951-52.	1952-53.	1953-54.	1954-55.
July	1,930	1,988	2,070	2,171	2,289	2,143	2,227	2,372
August	1,940	1,998	2,074	2,180	2,297	2,131	2,244	2,388
September .. .	1,943	2,005	2,083	2,191	2,300	2,128	2,260	2,398
October	1,954	2,014	2,096	2,205	2,313	2,138	2,289	2,414
November .. .	1,954	2,027	2,113	2,228	2,310	2,139	2,305	2,429
December .. .	1,956	2,030	2,111	2,214	2,290	2,134	2,305	2,425
January .. .	1,944	2,033	2,118	2,220	2,283	2,152	2,339	2,445
February .. .	1,968	2,053	2,135	2,245	2,281	2,196	2,363	2,459
March .. .	1,977	2,074	2,161	2,245	2,272	2,227	2,389	2,474
April .. .	1,987	2,069	2,156	2,255	2,236	2,221	2,380	2,462
May .. .	1,984	2,078	2,161	2,257	2,212	2,219	2,365	2,454
June .. .	1,987	2,077	2,167	2,261	2,187	2,225	2,370	2,460

**Employment
in Retail
Trade.**

In peace-time the volume of employment in retail trade is a valuable indicator of economic conditions. A sample collection of 102 large Victorian retail stores was made by the Government Statist from July, 1933, to December, 1941. This collection was then discontinued because of institution of the pay-roll tax. Figures collected up to 30th September, 1953, in conjunction with this tax covered all retail establishments whose pay-roll was more than £20 per week. They form the basis of the monthly index of total employment in retail trade shown hereunder.

VICTORIA—INDEX OF RETAIL EMPLOYMENT.

(Base July, 1941, 58,500 = 1,000.)

Month.	1941-42	1947-48	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54
July	1,000	1,052	1,107	1,130	1,146	1,191	1,132	1,118
August	987	1,050	1,100	1,125	1,148	1,187	1,121	1,117
September .. .	993	1,058	1,104	1,132	1,150	1,183	1,110	1,125
October	996	1,070	1,106	1,130	1,158	1,175	1,116	1,134
November .. .	1,004	1,096	1,137	1,154	1,191	1,199	1,131	1,156
December .. .	1,038	1,120	1,169	1,167	1,206	1,210	1,164	1,125
January .. .	964	1,083	1,125	1,139	1,182	1,179	1,130	1,154
February .. .	954	1,090	1,123	1,142	1,181	1,163	1,129	1,151
March .. .	949	1,093	1,125	1,144	1,182	1,158	1,131	1,157
April .. .	935	1,097	1,127	1,148	1,187	1,144	1,128	1,165
May .. .	907	1,099	1,128	1,148	1,192	1,131	1,131	1,166
June .. .	895	1,103	1,132	1,150	1,190	1,140	1,129	1,171

From 1st October, 1953, the exemption in regard to pay-roll tax was raised to £80 per week.

BUILDING STATISTICS.

Building statistics collected by the Government Statist and published in the *Year-Books* from 1928-29 to 1947-48 inclusive, were of value in showing the trend of building activities in the State; but, due to acknowledged difficulties in getting complete information, they could not be regarded as an absolute measure of work done.

That particular collection has now been discontinued, and the tables which follow, comprise certain particulars of the building industry in Victoria, collected and compiled by the Commonwealth Statistician.

The figures shown relate to the operations of private contractors, Government authorities and "owner-builders." They exclude the value of land and refer only to new buildings—alterations, additions, renovations, &c., are excluded. The operations of "owner-builders" are included except when they relate to buildings in areas where building permits are not required, nor are they included in the tables relating to employment.

An "owner-builder" is one who is actually building his own house or is having it built under his own direction without the services of a contractor.

VICTORIA—(a) NUMBER OF NEW BUILDINGS AND (b) VALUE
(WHEN COMPLETED) OF NEW BUILDINGS.
(Including owner-built houses.)

Period.	New Houses, Flats, Shop Dwelling.*			Other New Buildings.†		
	Com- menced During Period.	Com- pleted* During Period.	Under Con- struction at End of Period.	Com- menced During Period.	Com- pleted During Period.	Under Con- struction at End of Period.
(a) Number of New Buildings.						
Year ended—	No.	No.	No.	No.	No.	No.
30th June, 1951 ..	27,774	21,751	28,523	4,114	2,662	2,578
" " 1952 ..	24,172	24,757	27,938	1,918	2,003	2,493
" " 1953 ..	16,952	22,225	22,607	2,160	2,302	2,351
" " 1954 ..	21,935	22,582	21,951	2,950	3,658	1,643
" " 1955 ..	24,028	24,851	21,124	2,865	2,784	1,724
" " 1956 ..	22,060	24,045	19,118	3,114	2,861	1,976
(b) Value (when completed) of Buildings mentioned above.						
Year ended—	£'000.	£'000.	£'000.	£'000.	£'000.	£'000.
30th June, 1951 ..	59,870	45,653	62,613	14,880	6,487	22,363
" " 1952 ..	59,634	59,871	67,947	19,106	9,054	34,331
" " 1953 ..	44,846	60,302	56,998	15,398	16,291	36,141
" " 1954 ..	59,640	61,087	57,599	28,093	24,163	41,773
" " 1955 ..	68,311	70,439	57,879	33,684	27,447	48,317
" " 1956 ..	68,154	71,914	56,668	53,416	39,018	66,777

* See next table for separate details.

† Includes Shops without dwellings, Hotels, Boarding houses, Factories, etc.

VICTORIA—NUMBER (a) AND VALUE (b) OF HOUSES, FLATS AND SHOP DWELLINGS COMPLETED DURING THE PERIODS SHOWN.

(Including owner-built houses.)

Period.	Houses.			Flats (Units).	Shops with Dwelling.	All Other than Private Dwellings.
	Brick, Brick Veneer, Concrete, &c.	Wood.	Other (including Fibro-Cement).			

(a) Number of New Buildings.

Year ended—	No.	No.	No.	No.	No.	No.
30th June, 1951 ..	6,698	12,681	1,815	333	224	2,662
" " 1952 ..	6,952	15,165	1,971	416	253	2,003
" " 1953 ..	6,416	12,878	1,947	692	292	2,302
" " 1954 ..	6,346	13,313	1,934	689	300	3,658
" " 1955 ..	7,255	14,804	1,780	781	231	2,784
" " 1956 ..	6,938	13,983	1,731	1,273	120	2,861

(b) Value (when completed) of Buildings mentioned above.

Year ended—	£'000.	£'000.	£'000.	£'000.	£'000.	£'000.
30th June, 1951 ..	16,521	24,960	2,799	684	689	6,487
" " 1952 ..	21,032	33,490	3,473	1,011	865	9,054
" " 1953 ..	22,239	31,139	3,656	2,088	1,180	16,291
" " 1954 ..	21,666	32,649	3,722	1,766	1,284	24,163
" " 1955 ..	25,624	38,361	3,653	1,744	1,057	27,447
" " 1956 ..	25,692	38,711	3,805	3,152	554	39,018

VICTORIA—NUMBER OF NEW HOUSES ACCORDING TO LOCATION (METROPOLITAN OR OTHER).

(Including owner-built houses but excluding flats, shops, with dwellings, converted military huts, &c.).

Period.	Commenced During Period.		Completed During Period.		Under Construction at End of Period.	
	Metropolitan.	Other.	Metropolitan.	Other.	Metropolitan.	Other.
Year ended—	No.	No.	No.	No.	No.	No.
30th June, 1951 ..	13,402	13,547	11,096	10,098	14,859	12,449
" " 1952 ..	10,434	13,072	12,039	12,049	13,254	13,472
" " 1953 ..	7,782	8,472	10,629	10,612	10,401	11,274
" " 1954 ..	11,107	9,808	11,364	10,229	10,144	10,851
" " 1955 ..	15,298(b)	7,881	15,919(b)	7,320	13,214(b)	6,613
" " 1956 ..	14,316(b)	6,929	15,453(b)	7,199	12,056(b)	6,343

(b) In the above table "metropolitan" comprises Melbourne and suburbs within boundaries re-defined for statistical purposes as from 1st January, 1954.

VICTORIA—NUMBER OF EMPLOYERS AND EMPLOYEES
ENGAGED ON JOBS CARRIED OUT BY BUILDERS OF
NEW BUILDINGS.

(Excluding persons working on houses being built by owner-builders.)

Particulars.	As at 30th June—				
	1952.	1953.	1954.	1955.	1956.
	No.	No.	No.	No.	No.
Contractors (a) ..	2,878	2,260	2,353	2,519	2,617
Sub-contractors (a) ..	3,561	2,743	3,486	4,124	4,039
Wage Earners ..	25,214	21,561	22,637	25,753	25,650
Total ..	31,653	26,564	28,476	32,396	32,306

(a) Actually working on jobs.

VICTORIA—NUMBER OF TRADESMEN ENGAGED ON JOBS
CARRIED OUT BY BUILDERS OF NEW BUILDINGS.

(Including contractor and sub-contractor principals, but excluding
persons working on houses being built by owner-builders.)

Tradesmen.	As at 30th June—				
	1952.	1953.	1954.	1955.	1956.
	No.	No.	No.	No.	No.
Carpenters	13,927	11,727	12,180	14,075	13,489
Bricklayers	2,242	2,078	2,474	2,695	2,643
Painters	2,674	2,154	2,346	2,604	2,877
Electricians	1,052	897	934	1,118	1,192
Plumbers	2,166	1,729	1,905	2,154	2,326
Builders' Labourers ..	5,833	5,205	5,483	6,124	6,045
Other	3,759	2,774	3,149	3,626	3,734
Total	31,653	26,564	28,476	32,396	32,306

FISHERIES.

Certain particulars relating to the fishing industry in Victoria are given hereunder:—

**VICTORIAN FISHERIES—MEN AND BOATS EMPLOYED;
QUANTITY AND VALUE OF PRODUCTION DURING EACH
OF THE YEARS 1949-50, 1952-53 AND 1953-54.**

Year Ended 30th June.	Number of Men.	Boats Employed.		Value of Nets and Other Plant.	Production in Victoria.			
		Number.	Value.		Fish.		Crayfish.	
					Quantity.	Value.	Quantity.	Value.
1950 ..	1,049	793	£ 515,633	£ 102,211	lb. 11,581,000	£ 677,604	doz. 26,297	£ 55,234
1953 ..	988	695	£ 622,000	£ 130,000	lb. 10,820,208	£ 807,014	lb. 852,380	£ 85,234
1954 ..	1,045	745	£ 697,528	£ 151,548	lb. 10,719,188	£ 848,602	1,209,952	£ 136,119

**Fish
Imported.**

Particulars of imports of fish into Victorian Ports from oversea countries in each of the years 1952-53 and 1953-54 are given in the following statement:—

**VICTORIA—FISH IMPORTED FROM OVERSEA,
1952-53 AND 1953-54.**

	Year Ended 30th June.			
	1953.		1954.	
	Quantity.	Value.	Quantity.	Value.
Fish—	lb.	£	lb.	£
Fresh or Preserved by Cold Process	3,579,739	257,881	5,989,652	435,091
Potted or Concentrated, &c. ..	5,795	1,915	33,161	9,644
Preserved in tins, &c. ..	1,308,614	196,343	4,720,601	757,368
Smoked or dried	728,664	51,479	868,345	59,955
Other	268,464	13,567	446,432	25,800
Total	5,891,276	521,185	12,058,191	1,287,858

RABBITS, ETC.

Frozen Rabbits, &c., Exported. Large quantities of frozen rabbits and hares and of rabbit and hare skins are exported from Victorian Ports to oversea countries. The following table shows the quantities and value so exported during each of the years 1949-50 to 1953-54 :—

VICTORIA—RABBITS AND HARES AND RABBIT AND HARE SKINS EXPORTED OVERSEA 1949-50 TO 1953-54.

Year Ended 30th June—	Frozen Rabbits and Hares.*		Rabbit and Hare Skins.	
	Quantity.	Value.	Quantity.	Value.
	Pairs.	£	lb.	£
1950	12,517,165	2,259,068	3,989,228	598,594
1951	6,572,064	1,752,639	5,797,834	1,152,272
1952	8,920,434	2,346,806	2,834,858	484,596
1953	6,231,997	1,842,763	3,433,068	476,323
1954	3,875,900	1,044,999	2,537,618	475,485

* Excluding rabbit and hare meat.

MINES AND MINERALS.

The supervision of mining and the inspection of mines are regulated by Act of Parliament.

Interesting information regarding the rights of the Crown to all minerals on or below the surface of the ground, with reference to the position obtaining towards lands alienated from the Crown will be found in the *Year-Book* for 1940-41 and subsequent issues.

Miners' Rights. The taking out of a "Miner's Right" entitles the holder to prospect for gold on Crown lands. The "Right" may be had for any number of years not exceeding fifteen on payment

of a fee at the rate of 2s. 6d. per annum. The holder is entitled to take possession for mining purposes of a defined parcel of Crown lands which is called a "claim," "Claims" may also be taken up under certain conditions on private land. The authority to occupy Crown land under a Miner's Right as a residence area was withdrawn in 1935 by Act No. 4319. The number of miners' rights issued throughout Victoria in each of the years 1950, 1951, 1952, 1953, and 1954, were respectively 2,359, 1,537, 1,659, 1,512, and 1,665.

Mining Leases. Leases of Crown land and of private land for the purpose of mining for gold are granted for a term not exceeding fifteen years at a yearly rental of 2s. 6d. per acre, except for land that was alienated before 29th December, 1884, where the rental is 6d. per acre. For mining leases of land to be worked by means of dredging or hydraulic sluicing, the yearly rental is 5s. per acre. Other mineral and coal-mining leases are also issued at varying rates.

Mineral Search Licences. Mineral Search Licences are issued for metals (other than gold) and minerals on Crown or private land. The maximum area to be occupied under this type of licence is 6,400 acres for radioactive minerals, 640 acres for coal, 100 acres for iron, or 50 acres for other metals or minerals. The term of the licence is twelve months (not renewable). The fee is £1 for an area not exceeding 160 acres, £1 5s. 0d. up to 320 acres, £2 10s. 0d. up to 640 acres, and £20 for a Licence to search for radioactive minerals.

Petroleum leases and Licences. Under the Mines (Petroleum) Acts Petroleum Mineral Leases of not more than 100 square miles and Petroleum Prospecting Licences covering a maximum area of 200 square miles are granted at yearly rentals of £10 or 5s. per square mile respectively. Petroleum "Exploration Permits" were introduced in 1955.

Areas occupied for mining. The areas of Crown and of private lands occupied under the Mines Act at 31st December, 1953 and 1954 were 957,794 and 2,978,253 acres respectively. The following table shows the area being worked for different minerals under such Acts :—

VICTORIA—AREAS OCCUPIED UNDER THE MINES ACTS.
1953 AND 1954.
(Crown Land and Private Land.)

Nature of Lease or Licence.	Years ended 31st December—	
	1953.	1954.
	Acres.	Acres.
Gold	20,618	16,425
Coal (black)*	9,199	9,199
Coal (brown)†	3,902	3,902
Antimony	217	103
Antimony and Gold	37	37
Barytes	45	..
Basalt	88	89
Bauxite	305	305
Bluestone	32	32
Clay	255	256
Clay and Kaolin	21	..
Copper and Gold	39	39
Diatomaceous Earth	14	14
Felspar	10	10
Felspar and Retractory Clay	19	..
Freestone	5	5
Granite	46	46
Gypsum	2,374	2,534
Iron	63	63
Iron Oxide	18	18
Kaolin	98	98
Kaolin and Gold	5	20
Limestone	185	185
Magnesite	57	..
Mineral Water	1	1
Molybdenite	30	30
Ochre	6	..
Petroleum Prospecting	917,880	2,881,280
Quartz Crystal	297	297
Sand	26	30
Sandstone	6	6
Scheelite and Tin .. .. .	..	3
Silver and Lead	26	30
Silver, Lead and Fluorspar	23	22
Slate	14	18
Slate and Gold	94	93
Slate and Sandstone	6	6
Stone	28	28
Stone and Slate	7	7
Tailings Licences	669	326
Tin	414	413
Water Right Licences	307	297
Wolfram	225	131
Wolfram and Molybdenum	39	39
Wolfram and Tin	44	44
Mineral Search Licences—		
Radioactive Minerals .. .. .	..	38,742
Uranium .. .. .	..	23,030
Total	957,794	2,978,253

* Includes State Coal Mine Area, 7,575 acres.

† Includes State Electricity Commission Area, 2,800 acres.

Certain gold mining leases include the right to mine for other minerals.

Certain mineral leases include the right to mine for gold.

The advances from loan moneys and revenue to mining companies under the provisions of the Mining Development Acts to 30th June, 1930, when assistance under these Acts was discontinued, totalled £285,705.

Since 1935 advances to mining companies have been made under the joint Commonwealth-State scheme for the development of metalliferous mining. The amount spent from this source up to 31st December, 1954, amounted to £118,652. Further moneys expended up to the same date in "Assistance to the Mining Industry" were £5,297 under the Commonwealth *Gold Mining Encouragement Act* 1940 and a special advance of £36,984 provided by the Government of Victoria.

VICTORIA—STATE EXPENDITURE AND REVENUE CONNECTED WITH MINING, 1949-50 TO 1953-54.

Item.	Expenditure from Consolidated Revenue.				
	Year ended 30th June.				
	1950.	1951.	1952.	1953.	1954.
	£	£	£	£	£
EXPENDITURE.					
Mines Department	60,851	72,068	102,908	121,279	127,263
State Coal Mine	413,466	472,938	642,097	814,399	822,367
Boring for gold, coal, oil, &c. ..	15,657	22,627	26,132	13,737	16,998
State Batteries—Expenses of operation and maintenance, &c.	9,104	8,308	4,659	4,153	3,351
Geological and underground surveys of mines	5,003	4,165	6,167	5,168	5,159
Laboratory expenses, &c. ..	624	774	899	1,379	1,409
Assistance to Mining Industry ..	12,133	3,805	288	..	..
Miscellaneous	6,166	2,492	4,046	6,252	4,626
Total	523,004	587,177	787,196	966,367	981,173
REVENUE.					
State Coal Mine	366,077	389,654	551,443	751,132	753,230
All other	21,846	23,149	30,326	41,225	33,577
Total	387,923	412,803	581,769	792,357	786,807

Total Mineral Production. The mineral production of the State from lands occupied under the Mines Act (excluding stone raised in quarries, and salt) for the years 1953 and 1954 and the aggregate mineral production up to 31st December, 1954, are shown in the subjoined statement:—

VICTORIA—MINERAL PRODUCTION.

Metals and Minerals.	During 1953.		During 1954.		Total to 31st December, 1954 (a)	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
	fine oz.	£	fine oz.	£	fine oz.	£
Gold	63,917	996,128	52,665	820,179	73,450,630	333,051,960
Silver	6,268	2,351	3,443	1,277	1,706,054	267,263
	oz.		oz.		oz.	
Platinum .. .. .	..	..	..	..	311	1,671
	Tons.		Tons.		Tons.	
Antimony concentrates (b)	..	..	..	..	106,314	652,428
Antimony Ore (c) ..	4	161	5	643	23	2,529
Barytes .. .. .	..	..	..	..	69	270
Bauxite	2,200	6,074	2,243	6,388	47,419	71,526
Coal, black	151,907	979,541	141,318	901,413	21,382,474	21,398,004
Coal, brown	8,257,299	3,636,668	9,331,255	3,945,031	131,425,861	26,936,878
Copper ore .. .. .	..	..	..	..	18,740	218,620
Diatomaceous earth	669	3,528	905	6,176	24,988	138,877
Felspar	126	1,511	..	..	788	3,873
Fireclay (d)	28,094	17,878	27,035	15,127	..	..
Fluorspar .. .. .	..	..	..	..	3,858	13,899
Gypsum	36,286	31,711	75,012	55,782	628,810	408,797
Iron ore .. .. .	..	..	..	..	5,461	12,552
Kaolin and other pottery clays .. .. .	..	..	..	..	143,243	216,182
Kaolin and other white clays(e)	259,004	198,630	313,429	211,000	..	..
Limestone	575,787	378,539	694,684	464,883	9,385,845	..
Manganese ore .. .. .	..	..	..	..	422	2,009
Magnesite	572	2,288	..	..	4,430	15,717
Molybdenite .. .. .	..	..	..	..	1,005	63,984
Phosphatic rock .. .. .	..	..	..	..	15,781	16,704
Pigment clays .. .. .	..	..	..	..	4,502	5,623
Red oxide ex Jarosite .. .. .	..	..	..	..	109	1,359
Silver lead ore .. .. .	..	..	..	..	804	5,992
Talc .. .. .	..	..	..	..	82	410
Tin concentrates (b)	44	22,756	35	23,090	18,912	1,466,612
Wolfram .. .. .	..	..	..	..	139	22,307

(a) Diamonds valued at £128 and sapphires £630 have been discovered.

(b) Contents vary.

(c) Includes revised 1951 figures. Since 1st January, 1951, values have been computed on ex-mine basis.

(d) Production recorded for the first time.

(e) This statistical classification was instituted in 1953. The preceding classification "Kaolin and other pottery clays" has been terminated.

Note.—The value of gold as shown above is based on the average value of Victorian gold received at the Melbourne Mint.

**Gold
Production
in Victoria.**

The quantities of gold produced in Victoria in different periods are shown in the next table :—

GOLD PRODUCTION IN VICTORIA, 1851 TO 1954.

Period.		Quality (Gross oz.)	Period.		Quality (Fine oz.)
1851-60	.. ..	23,334,263	1926-30	.. ..	171,927
1861-70	.. ..	16,276,566	1931-35	.. ..	307,370
1871-80	.. ..	10,156,297	1936-40	.. ..	744,727
1881-90	.. ..	7,103,438	1941-45	.. ..	423,653
1891-1900	.. ..	7,476,038	1946-50	.. ..	376,534
1901-10*	.. ..	7,095,061	1951	.. ..	66,063
1911-15	.. ..	2,161,349	1952	.. ..	66,777
1916-20	.. ..	905,561	1953	.. ..	63,917
1921-25	.. ..	421,250	1954	.. ..	52,665

* Gross oz. 1851-1900; fine oz. from 1901 inclusive.

The gold yield which had continued to decline from 1906 reached its lowest in 1930 at 24,119 fine ounces. Since that year the highest yield recorded was in 1946 when 86,993 fine ounces were produced. The gold production in 1954 was the lowest recorded since 1932.

The price of gold in Australia in 1930 was £4 8s. 9d. per fine ounce (export parity calculated from London price). On the 19th September, 1949, consequent on the devaluation of the £ sterling the Australia Mint price which had been £10 15s. 3d. from 1946 inclusive, was increased to £15 9s. 10d. per fine ounce. This rate obtained until 1st May, 1954, when it was raised to £15 12s. 6d. Whereas previously the price was based on the price for which gold could be sold abroad in official markets less costs of movement, the current official rate reflects the "parity" value of Australian currency established by the International Monetary Agreement Act, 1947.

The number of men employed in gold mining in Victoria during each of the last five years is shown hereunder :—

MEN EMPLOYED IN GOLD MINING.

Year.				Alluvial.	Quartz.	Total.
				No.	No.	No.
1950	..	..	..	300	750	1,050
1951	..	..	..	203	558	761
1952	..	..	..	205	518	723
1953	..	..	..	184	430	614
1954	..	..	..	163	391	554

The two main headings under which financial assistance is rendered to miners and companies are (a) loans to approved mining companies, syndicates or individual miners, and (b) subsidies paid to gold producers by the Commonwealth Government under the *Gold Mining Industry Assistance Act*, 1954. This latter Act, which came into operation on the 24th November, 1954, provides that for the two years ending 30th June, 1955, and 30th June, 1956 (later extended), small producers whose output is not more than 500 fine oz. per year may receive a subsidy of 30s. per fine oz., and larger producers whose production costs exceed £13 10s. Od. per fine oz. may be granted a subsidy equal to three-quarters of production cost per fine oz. less £13 10s. Od. up to a maximum of £2 per fine oz. Premiums received by producers from the sale of gold overseas by the Gold Producers' Association are offset against subsidy payments.

The yields in fine ounces in the other principal gold-producing States in 1954 were 861,992 (823,331) in Western Australia, 97,951 (91,887) in Queensland and 31,374 (26,461) in New South Wales. The Northern Territory produced 54,338 (52,423) fine ounces. Figures for 1953 shown in brackets.

The total production of the Commonwealth in fine ounces was 1,645,697 in 1939, 937,654 in 1947, 885,507 in 1948, 889,058 in 1949, 869,537 in 1950, 895,551 in 1951, 980,435 in 1952, 1,075,450 in 1953, and 1,117,742 in 1954.

The total production of gold in the world in fine ounces (thousands) as shown in the Review for 1955, published by the Commonwealth Bureau of Mineral Resources, has been estimated as follows:—1951, 23,600; 1952, 24,400; 1953, 24,200; 1954, 25,400; and 1955, 27,700. The foregoing estimates exclude the U.S.S.R. and satellite countries.

**Government
Batteries,
Cyanidation
and Dredging
and Sluicing.**

Particulars relating to the operations of Government batteries, all cyanide works, and of dredging and sluicing plants for the years 1950 to 1954 are as follows:—

VICTORIA—GOVERNMENT BATTERIES, CYANIDATION, AND DREDGING AND SLUICING, 1950 TO 1954.

Year.	Government Batteries.			Cyanidation.			Dredging and Sluicing.		
	Number of Batteries Operating.	Quantity of Ore Treated for Gold.	Yield of Gold.	Number of Plants.	Quantity of Tailings Treated.	Yield of Gold.	Number of Plants.	Quantity of Material Treated.	Yield of Gold.
		tons.	fine oz.		tons.	fine oz.		tons.	fine oz.
1950 ..	9	506	302	27	468,758	10,834	23	6,721,530	14,381
1951 ..	11	358	195	17	220,625	5,093	19	6,704,314	18,679
1952 ..	6	186	49	9	60,446	1,453	14	6,668,394	24,478
1953 ..	6	335	219	11	15,807	1,025	14	7,618,997	22,625
1954 ..	6	158	126	11	14,677	789	13	5,574,195	16,253

The first Government battery was erected in 1897. Since that date Government batteries have crushed 249,815 tons of ore for 137,619 oz. of gold.

Up to the end of 1954, tailings aggregating 27,046,427 tons had been treated by the cyanide and other processes, and 1,652,159 oz. of gold had been won therefrom.

Since the inception of mechanical dredge and sluice mining, 2,281,132 oz. of gold have been won by these methods.

Mining District Gold Yields. The following table shows the yield of alluvial and quartz gold in fine ounces in the various mining districts:—

VICTORIA—DISTRICT YIELDS OF GOLD (ALLUVIAL AND QUARTZ) 1953 AND 1954.

Mining District.	1953 Year.			1954 Year.		
	Quartz.	Alluvial.	Total.	Quartz.	Alluvial.	Total.
	gross oz.	gross oz.	gross oz.	gross oz.	gross oz.	gross oz.
Beechworth (North-east) ..	31,772	13,372	45,144	12,885	20,173	33,058
Bendigo	5,919	110	6,029	5,099	81	5,180
Castlemaine	11,064	4,194	15,258	7,324	7,382	14,706
Gippsland	468	94	562	953	245	1,198
Maryborough	1,574	6,492	8,066	719	4,654	5,373
Total	50,797	24,262	75,059*	26,980	32,535	59,515†

* A yield of 63,917 fine ozs.

† A yield of 52,665 fine ozs.

Coal.

Bituminous coal was mined during 1954 at Jumbunna, Kilcunda, Korumburra, Outtrim, and Wonthaggi, and brown coal at Bacchus Marsh, Thorpdale, Yan Yan Gurt (near Winchelsea), Yallourn and Yallourn North. The coal resources of Victoria have been described in detail in previous issues of the *Year-Book*.

Production of
Black Coal
Brown Coal
and Briquettes.

The production and value of black and brown coal respectively, and the production of briquettes are shown hereunder for specified periods:—

VICTORIA—COAL PRODUCTION AND VALUE.

Period.	Black Coal.		Brown Coal.		
	Annual Production.	Value.	Annual Production.	Value.	Briquettes— Annual Production.
	tons.	£	tons.	£	tons.
1921-25	520,705*	591,703	258,094*	61,558	77,945†
1926-30	668,177*	892,734	1,515,592*	192,612	135,185*
1931-35	472,030*	444,003	2,445,215*	256,261	311,020*
1936	426,725	390,743	3,044,897	323,914	355,088
1937	257,945	254,126	3,393,919	325,950	390,493
1938	307,258	286,679	3,675,450	351,721	414,059
1939	364,895	259,814	3,651,014	385,952	414,598
1940	267,694	230,452	4,278,475	391,549	427,530
1941	326,441	303,761	4,565,638	422,993	419,104
1942	312,854	411,107	4,933,861	469,699	416,928
1943	257,100	429,358	5,091,729	528,666	411,355
1944	247,692	407,793	5,016,437	566,444	428,844
1945	173,683	494,690	5,445,108	641,069	455,076
1946	191,290	397,662	5,707,039	706,504	504,275
1947	167,540	299,784	6,140,140	937,429	513,891
1948	173,683	347,687	6,692,291	1,187,715	542,189
1949	122,507	379,464	7,375,559	1,469,455	576,603
1950	126,431	382,230	7,327,119	1,706,612	526,781
1951	147,743	600,734	7,836,056	2,754,822	562,621
1952	143,820	753,007	8,103,764	3,476,627	554,249
1953	151,907	979,541	8,257,299	3,636,668	559,522
1954	141,318	901,413	9,331,255	3,945,031	614,145

* Average annual production. † 1,392 tons in 1924, 76,553 tons in 1925.

The number of men employed in coal mining during the last five years was as follows:—

MEN EMPLOYED IN COAL MINING.

Year.	Black Coal.	Brown Coal.	Total.
	No.	No.	No.
1950	777	889	1,666
1951	773	898	1,671
1952	914	934	1,848
1953	903	807	1,710
1954	824	771	1,595

The quantities of black coal which were produced in the other States during the last five years were as follows:—

COAL PRODUCTION—IN STATES OTHER THAN VICTORIA.

Year.	New South Wales.	Queensland.	South Australia.	Western Australia.	Tasmania.
	tons.	tons.	tons.	tons.	tons.
1950	12,798,201	2,327,614	255,659	801,440	209,419
1951	13,513,244	2,473,775	388,303	848,495	236,888
1952	15,022,100	2,742,236	418,582	830,461	247,899
1953	14,173,831	2,516,812	448,484	886,182	233,629
1954	15,083,260	2,760,810	495,106	1,018,343	264,202

Tin Production in Victoria. According to returns supplied to the Mines Department by the various mining companies, the amount of tin concentrates obtained in Victoria up to 31st December, 1954, was 18,912 tons, valued at £1,466,612. A large proportion of this yield was obtained as an incidental return from gold-mining operations.

Uranium. In April, 1954, it was announced that radioactive material had been found at Mount Kooyoora near Inglewood. Investigation carried out by the Mines Department, including a number of test bores, showed that the quantity of uranium oxide present in the deposit was too small to be worked economically.

Mining Accidents. The numbers of fatal and of non-fatal accidents which occurred in gold and coal mines and quarries during the past five years are shown in the following table. Only those non-fatal accidents have been recorded which rendered the injured unfit for work for a period of at least fourteen days.

VICTORIA—MINING ACCIDENTS, 1950 TO 1954.

Year.	Gold Mines.		Coal Mines.		Quarries.	
	Fatal Accidents.	Serious Accidents.	Fatal Accidents.	Serious Accidents.	Fatal Accidents.	Serious Accidents.
	No.	No.	No.	No.	No.	No.
1950	2	7	..	3	3	10
1951	1	1	..	20	4	6
1952 .. ..	..	3	..	10	2	14
1953	2	5	1	12	3	5
1954	2	2	2	17	5	6

Quarries. The recorded quantities and values of the principal kinds of stone raised in Victoria during the past five years are set out in the following table:—

VICTORIA—QUARRYING CONSTRUCTION MATERIALS. *

Year ended 30th June—	Number of Returns.	Main Kinds of Stone Extracted:—				Approximate Value of Stone Raised †.
		Bluestone.	Sandstone.	Granite.	Limestone.	
		cub. yds.	cub. yds.	tons.	tons.	£
1950 ..	112	1,406,807	52,200	77,772	475,879	1,503,334
1951 ..	115	1,582,796	51,000	135,745	484,505	2,095,464
1952 ..	156	1,905,026	51,474	145,068	515,250	2,572,557
1953 ..	142	2,035,909	56,738	136,567	46,808	2,955,014
1954‡ ..	137	2,338,758	77,885	245,290	12,205	3,299,490

* Prior to 1952-53, limestone quarried for the manufacture of cement, lime, &c., has not been included in this table. It will be found in "Mineral Production" on page 623.

† Wholesale selling value of stone at works, exclusive of delivery charges.

‡ Year ended 31st December.

Information in the foregoing table has been obtained from "regular" quarries which are known to have a fixed plant and which are in permanent production. It is realized that there is considerable quarry production unrecorded due mainly to contractors who, requiring material from a source adjacent to the work for which they are suppliers, open up quarries for that purpose or exploit stone outcrops, mine tailings, &c. This work is usually only of a temporary nature.

Much of the sand and gravel used in road, railway, and general building is obtained from sources other than regular sand and gravel pits; limestone rubble extensively used on roads in the north-western portion of the State is usually obtained from adjacent outcrops. It has been found impracticable to obtain quantities and values of all such materials.

THE SEARCH FOR OIL IN VICTORIA.

The earlier history of the search for oil in Victoria is recorded in the *Year-Book* 1937-38, page 504.

Oil production in Victoria ceased towards the end of 1951 when operations at Lakes Entrance were suspended. Crude oil yield from tests carried out aggregated 287,873 gallons during a period of approximately ten years. There was a revival of interest in potential oil-bearing areas in Victoria, late in 1953 following the discovery of oil in Western Australia, which resulted in the issue of 22 Petroleum Prospecting Licences during the year 1954. A great deal of preliminary exploration was carried out in Gippsland, and test drilling began in 1955 on two areas covered by these licences.