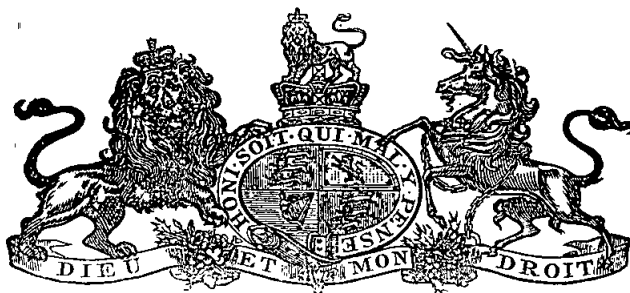


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SECOND SUPPLEMENT

TO THE

VICTORIA

GOVERNMENT GAZETTE

OF FRIDAY, SEPTEMBER 22, 1899.

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TUESDAY, SEPTEMBER 26.

[1899.

MANUFACTORIES, WORKS, ETC.; STONE QUARRIES;

AND COLLIERIES IN VICTORIA, 1898.

(Compiled in 1899.)

MANUFACTORIES, WORKS, ETC.; STONE QUARRIES; AND COLLIERIES IN VICTORIA, 1898.

THE following Statement of the Manufactories, Works, &c., the Quarries, and the Collieries, for the year ended 31st December, 1898, is published for general information. The following is the general definition of a factory, agreed to in 1896 by the statisticians of Victoria and New South Wales, on which basis the figures in the table have been compiled:—"All establishments employing four hands or upwards in the manufacture of articles either for the trade or for stock or for individual orders must be returned; also all establishments with less than four hands, where machinery worked by steam, gas, electric, water, wind, or horse-power is used; as well as industries of an unusual or interesting character."

JAMES J. FENTON,
Assistant Government Statist.

Office of the Government Statist,
Melbourne, 19th September, 1899.

1. MANUFACTORIES, WORKS, ETC., 1898.

Nature of Industry.	Number.	Power Employed.						Horse-power of Steam, Gas, and Electric Engines.		Number of Hands Employed.		Approximate Value of—			
		Steam.	Gas.	Electric.	Water.	Wind.	Horse.	Manual.	Full Capacity.	Actually Used.	Males.	Females.	Machinery and Plant.	Lands.*	Buildings and Improvements.
CLASS A.—PARTIAL OR CRUDE TREATMENT OF RAW MATERIAL.													£	£	£
<i>Order 1.—Foods.</i>															
Malt	13	4	9					91	63	110			14,450	44,146	63,100
<i>Order 4.—Building.</i>															
Lime	7	4				1	2	28	24	77			3,140	2,930	6,310
<i>Order 6.—Animal Matters (not otherwise classed).</i>															
Bone milling, bone manure	18	17	1					566	408	137			47,810	3,605	38,100
Tanning, fellmongering, wool-washing	102	72	1		2	3	7	1,204	921	1,764	2		90,037	46,738	111,804
<i>Order 7.—Wood and other Vegetable Substances (not otherwise classed).</i>															
Bark milling	5	5						57	51	33			1,750	745	670
Chaff cutting, corn crushing	169	126	33			10		1,242	955	782	7		50,116	49,060	63,840
Saw-milling—forest, including one timber seasoning	107	102			5			1,639	1,492	1,302			89,420	7,545	30,271
<i>Order 8.—Oils and Fats (Animal and Vegetable).</i>															
Boiling-down, tallow-rendering	17	15					2	124	92	78	1		4,640	4,735	5,275
<i>Order 9.—Metals and Minerals.†</i>															
Metallurgical	3	2	1					36	22	30	1		8,650	1,800	2,000
Smelting	1														
Pyrites	1							28	23	40			6,000	1,000	1,500
Total Class A.	443	349	45		7	3	18	21	5,015	4,051	4,353	11	316,013	162,304	324,870
CLASS B.—FINISHED ARTICLES OF CONSUMPTION.															
<i>Order 1.—Foods.</i>															
<i>(a) Animal—</i>															
Bacon-curing	23	20	1			1	1	148	122	203	2		18,250	5,730	18,950
Butter, cheese, including one but-terine	195	182	7		1	5		1,605	1,302	859	17		192,310	17,080	105,560
Creameries ‡	(351)	(345)			(1)	(5)		1,932	1,370	360			89,735	4,270	38,020
Meat freezing, meat preserving	9	8					1	553	552	5416			58,055	4,565	124,955
<i>(b) Vegetable—</i>															
Oatmeal, maizena, starch, arrow-root	7				1		3	394	348	200	104		57,810	22,035	48,175
Macaroni	1														
Biscuit	15	3	1					121	85	497	166		33,905	12,200	34,000
Confectionery	15	8					7	100	67	383	275		16,345	7,446	16,450
Flour	75	70			5			4,281	3,302	762	3		295,135	60,515	185,520
Jam, pickle, sauce, vinegar	21	13	1				7	143	117	886	291		16,700	17,685	37,470
Sugar, treacle—refining	3	3						439	427	316	8		73,500	7,150	52,180
Beet sugar	1	1						360	240	268			44,000	1,000	27,000
<i>(c) Mineral—</i>															
Salt	5	2					3	30	24	63			2,120	900	19,240
<i>(d) Drinks and Narcotics—</i>															
Aerated waters, gingerbeer, liqueur, &c.	126	82	38			4	2	432	314	982	19		84,095	47,045	71,905
Brewing	51	49	1			1		941	780	1,053	5		177,265	447,185	282,085
Distilling	10	8					2	356	170	138			67,930	25,540	61,520
Coffee, chicory, cocoa, chocolate, mustard, spice, &c.	11	6	4			1		303	276	137	82		18,315	32,875	19,250
Ico	9	9						142	122	45			15,790	7,810	6,620
Tobacco, cigar, snuff	14	6	2				6	137	99	428	336		39,880	41,470	73,600

* The figures in this column apply to purchased land only. Two hundred and nine establishments (including thirty-three creameries) were carried on upon Crown lands; in these cases no valuation of the land has been given.

† No account has been taken of the numerous works in operation for the treatment of ores for metals, other than those named.

‡ Creameries are not counted as separate establishments, but are regarded merely as branches of butter factories.

§ In addition to this number about 770 persons were employed in trapping and carting rabbits for preserving purposes.

MANUFACTORIES, WORKS, ETC., 1898—continued.

Nature of Industry	Number.	Power Employed.						Horse-power of Steam, Gas, and Electric Engines.		Number of Hands Employed.		Approximate Value of—			
		Steam.	Gas.	Electric.	Water.	Wind.	Horse.	Manual.	Full Capacity.	Actually used.	Males.	Females.	Machinery and Plant.	Lands.*	Buildings and Improvements.
<i>Order 2.—Textiles and Dress.</i>															
(a) Textiles—															
Woolen mill	8	8						1,065	770	426	387	155,170	5,410	58,935	
Rope, twine, mat, bag, sack	9	3	3				3	623	460	279	180	43,575	12,150	28,110	
Sail, tent, tarpaulin	6						6			30	5	110	5,655	1,930	
(b) Dress—															
Clothing, tailoring	194	1	19				175	135	116	1,264	5,058	27,820	250,565	123,730	
Corset	1									128	188				
Dressmaking, millinery	153		3				150	7	6	31	2,603	6,046	151,520	57,855	
Underclothing, shirt	31	1	4				26	31	29	39	730	5,475	29,805	15,535	
Hat, cap	17	8	1				8	133	115	325	342	15,375	10,930	20,740	
Hosiery	4		2				2	12	11	10	63	2,915	840	1,500	
Waterproof, oil-skin clothing	8		3				5	6	5	45	197	2,410	10,950	13,220	
Boot, shoe	89	2	45	1			41	333	282	2,843	1,158	66,040	43,165	70,740	
Fur	3						3			16	18		90	3,700	1,020
Umbrella, parasol	6						6			49	91	510	14,330	4,300	
Dyeing	2	2						10	5	22	31	3,500	2,900	4,000	
<i>Order 3.—Furniture.</i>															
Upholstery, bedding, flock	17	4	3				11	92	84	214	100	18,655	34,220	14,890	
Redstead	1														
Cabinet, including billiard-table	56	10	9				37	203	251	808	12	19,835	46,815	48,195	
Looking-glass, &c.	10	5	2				3	61	44	97		2,335	6,135	6,100	
Picture-frame	7		2				5	2	2	40	5	485	3,735	3,400	
Venetian blind	5	2	1				2	18	10	32		1,510	4,263	1,950	
Curled hair	3	1	2					12	12	23		620	730	305	
Brush, broom	11		6				5	21	19	177	43	3,560	9,310	10,810	
Earth-closet	2		1				1	2	1	8		150	3,060	260	
<i>Order 4.—Building.</i>															
Cement	2	2						330	330	135		17,560	500	5,000	
Brick, pottery	94	23	1			61	4	1,710	856	1,093	12	79,235	56,000	77,345	
Stone and marble sawing, polishing, monumental	28		2	2			17	145	121	335	3	14,135	23,270	9,510	
Filter (stone)	1														
<i>Order 5.—Apparatus for Transportation.</i>															
(a) By road—															
Coach, carriage, waggon, &c.	169	11	10	1	1		143	183	153	1,683	3	38,990	88,030	72,765	
Lamp (carriage, &c.)	2						2			17		200	2,970	800	
Cycle	4														
Cycle tire	11		4				2	10	8	147	9	2,930	9,910	6,350	
Perambulator	1														
Saddle, harness	40						41			361	16	3,260	57,965	18,575	
Whip	1														
Saddle-tree, saddlers' ironmongery, &c.	3	2					1	17	12	13		745	1,410	400	
(b) By rail—															
Railway workshops	9	5	4					745	432	1,635	6	161,850		262,100	
(c) By water—															
Ship, boat	3	1					2	4	4	17		350		3,930	
Graving docks, patent slips, &c.	6	6						221	221	120		54,550		369,100	
<i>Order 6.—Animal Matters (not otherwise classed).</i>															
Leather belting (machinery)	3	1	2					10	10	29		2,380	2,760	2,300	
Fancy leather (machinery)	6	1					5	10	10	68	17	1,410	2,830	2,600	
Portmanteau, trunk	2						2			14		95	2,760	1,700	
<i>Order 7.—Wood and other Vegetable Substances (not otherwise classed).</i>															
Saw-moulding, joinery, &c.	52	39	11				3	1,916	1,203	1,363		88,325	187,050	62,950	
Mantelpiece	1														
Wood carving, turnery	14	5	9				1	72	44	66		2,820	6,990	2,020	
Cork-cutting	1														
Cooperage	15	3	1				11	16	13	117		1,760	11,255	2,515	
Basket, wicker	4		1				3			56		325	780	940	
Paper, strawboard	3	3						800	706	136	35	79,560	1,500	45,600	
Fancy box, hat box	8	2	3				3	31	25	67	165	6,045	5,360	7,980	
Dairy, domestic implement	4	4	1					56	46	78	1	2,990	2,700	2,570	
Bellows	1														

* The figures in this column apply to purchased land only. Two hundred and nine establishments (including thirty-three creameries) were carried on upon Crown lands; in these cases no valuation of the land has been given.
 † Factory workers working at their own homes.
 ‡ Purely mechanics and assistants engaged solely on construction or repairs.

MANUFACTORIES, WORKS, ETC., 1898—continued.

Nature of Industry.	Number.	Power Employed.						Horse-power of Steam, Gas, and Electric Engines.		Number of Hands Employed.		Approximate Value of—			
		Steam.	Gas.	Electric.	Water.	Wind.	Horse.	Manual.	Full Capacity.	Actually Used.	Males.	Females.	Machinery and Plant.	Land*.	Buildings and Improvements.
<i>Order 8.—Oils and Fats (Animal and Vegetable).</i>															
Soap, candle	22	14	1				7	570	540	421	4	100,105	48,865	66,700	
Essential oil	8	5					3	41	24	52	6	2,590	2,110	1,650	
Printing ink	3														
Oil, glue... ..	1	1	3					39	35	27		2,400	19,750	5,900	
<i>Order 9.—Metals and Minerals.</i>															
<i>(a) Machine, tools, and implements—</i>															
Agricultural implement	51	36	2				13	512	351	1,037	4	56,820	34,880	35,775	
Engine, machine, iron foundries	173	118	48				7	2,268	1,732	4,509	7	411,225	138,640	151,911	
Cutlery, tool	8	1	6				1	32	24	43		3,135	6,235	2,105	
Nail	6	5					1	155	103	123	2	17,950	6,100	3,500	
Iron safe, door	2	1					1	8	5	24		1,400	4,160	740	
<i>(b) Other articles—</i>															
Sheet iron, tin	39	4	3	1			32	83	35	579	2	26,895	31,925	24,305	
Japanning	1														
Oven, range	8	2					6	17	14	109	1	3,300	18,700	5,070	
Pattern	2		2					2	2	9		425	1,590	550	
Meter	1		1												
Spring	2	2	1					35	27	54		2,400	1,700	1,500	
Brass, copper, including gasalier, &c.	23	7	11				5	147	111	402		14,175	25,050	9,240	
Lead, shot, pewter, zinc	4	3	1					281	199	30		13,100	6,750	7,700	
Wire-work	6	1	1				4	16	15	66		2,555	6,170	1,740	
<i>Order 10.—Gold, Silver, and Precious Stones. †</i>															
Goldsmithing, jewellery, gold beating, electroplating	37	3	16				18	47	42	423	11	14,130	73,900	17,700	
<i>Order 11.—Ceramics (not otherwise classed).</i>															
Glass	7	1	1				6	41	41	432	1	18,300	8,030	12,510	
Asbestos	1														
<i>Order 12.—Production of Heat, Light, and Energy.</i>															
Electric apparatus	2		2					2	2	10		450	1,940	400	
Electric light	10	10						5,533	4,402	158		156,570	16,300	37,920	
Gas, coke	49	6	2				38	557	350	679	1	519,818	103,300	603,545	
Match	1	2						40	30	15	41	2,700	900	800	
Ironfounder's charcoal dust	1														
Hydraulic power	1	1						1,400	1,400	17		39,550		20,000	
<i>Order 13.—Explosives, Ammunition, &c.</i>															
Blasting powder	1														
Dynamite, lithofracteur, &c.	1														
Fireworks	1	2					2	107	107	107	16	36,570	5,580	23,380	
Fuse	1														
<i>Order 14.—Art, Science, and Letters.</i>															
Organ	1						2	10	6	29		1,110	1,790	1,850	
Pianoforte	2	1													
Die-sinking, engraving, medal, trade-mark	7		6				1	22	18	83		7,450	11,045	3,560	
Philosophical instrument	3		1				2	1	1	11		320	3,810	870	
Surgical instrument, truss	2		1				1	1	1	5	4	170	1,850	80	
Printing, lithographic printing, including paper bag	196	10	150	2	3		32	855	680	3,598	455	387,470	274,041	231,571	
Photo-lithographic	1														
Account-book, stationery, including indiarubber stamp	11	2	7				2	159	140	473	409	60,170	36,210	86,400	
<i>Order 15.—Miscellaneous.</i>															
Chemical	17	11	5				2	239	152	196	71	33,740	18,120	33,750	
Gun refining	1														
Blackening, blue, washing-powder, &c.	9	3	4				2	78	55	96	109	6,530	13,770	16,110	
Paint, varnish, white lead	4	1	2				1	34	25	11		3,300	4,500	4,450	
Total Class B †	2,426	898	486	6	12	3	73	951	34,941	20,802	36,278	14,130	4,184,714	2,806,027	4,083,357
Grand total †	2,869	1,247	531	6	19	3	91	972	39,956	30,853	40,631	14,147	4,500,727	2,968,331	4,408,227

NOTE.—The classification adopted in this table is to some extent based on a classification of occupations in the Census reported on by M. Bertillon at the Third Session of the International Statistical Institute, held in Vienna in 1891. Where the number of factories are bracketed the information has been combined in order to conceal the contents of individual schedules.

* The figures in this column apply to purchased land only. Two hundred and nine establishments (including thirty-three creameries) were carried on upon Crown lands; in these cases no valuation of the land has been given.

† Exclusive of Royal Mint.

‡ Including 11 oil engines.

§ Including the power of twenty-four gas engines and three electric engines where steam engines are also used, and two electric engines where gas engines are also used, amounting to 189 full and 153 actual horse power.

|| Including employes working at their own homes, viz., 35 males and 383 females.

DESCRIPTION OF HANDS EMPLOYED.

Description.	Males.	Females.	Total.
Working proprietors, managers, and overseers ...	4,297	355	4,652
Accountants and clerks ...	1,665	112	1,777
Workers in the factory ...	28,233	13,278	41,511
" at their own homes for the factories ...	35	383	418
Labourers (unskilled) ...	2,701	...	2,701
Engine-drivers, firemen ...	1,238	...	1,238
Carters, messengers ...	1,902	...	1,902
Others ...	560	19	579
Total ...	40,631	14,147	54,778

CLASSIFICATION OF MANUFACTORIES ACCORDING TO HANDS EMPLOYED.

Establishments Employing—	Number of Factories using—			Number of Hands employed in Factories using—		
	Machinery worked by Steam or other Motive Power.	Manual Labour only.*	Total.	Machinery worked by Steam or other Motive Power.	Manual Labour only.*	Total.
Under 4 hands ...	427	33	460	1,031	76	1,107
4 hands ...	183	140	323	360 †	560	360 †
5 to 10 hands ...	566	478	1,044	4,005	3,324	1,292
11 to 20 " ...	298	193	491	4,370	2,798	7,229
21 to 50 " ...	226	100	326	7,229	2,923	10,152
51 to 100 " ...	116	22	138	7,991	1,508	9,499
101 hands and upwards ...	81	6	87	17,010	861	17,871
	1,897	372	2,869	42,728	12,050	54,778

* Or machinery worked by manual labour. † Hands employed in creameries.

THE ADDITIONAL INFORMATION subjoined has been obtained respecting the following Industries during the last five years:—

		1894.	1895.	1896.	1897.	1898.
Tanneries, Feltmongeries, and Wool-washing Establishments—						
Tan—pits or holders in use ...	No.	3,250	3,652	3,591	3,835	3,632
Bark used ...	Tons	...	13,218	12,626	12,047	11,396
Hides tanned * ...	No.	346,246	410,703	433,739	459,856	398,470
Skins tanned—						
Calf * ...	"		135,356	149,996	196,571	172,547
Sheep ...	"	1,822,853	1,840,250	1,800,592	1,712,963	1,173,692
Other ...	"		48,873	193,089	162,733	98,267
Sheepskins stripped ...	"	2,238,814	2,181,150	2,096,186	1,945,812	1,455,674
Wool washed (weight after washing) ...	lbs.	9,615,812	12,614,616	10,275,621	9,102,997	7,545,066
Saw-mills—						
Timber sawn (from Victorian logs only) ...	super. feet	38,265,000	36,285,426	31,973,743	27,772,081	37,698,486
Value at mill ...	£	153,060	101,556	104,115	78,619	104,734
Bacon-curing Establishments—						
Pigs slaughtered for curing ...	No.	62,623	73,830	72,141	69,555	66,840
Bacon and hams cured † ...	lbs.	6,231,100	7,152,768	7,563,237	7,103,419	6,898,711
Creameries, Butter and Cheese Factories—						
Milk received § ...	gallons	...	77,520,000	73,800,000	73,160,739	66,661,997
" treated for butter and cream ...	"	...	74,593,000	71,222,600	70,496,553	63,857,651
" " for cheese ...	"	...	2,705,882	2,258,953	2,121,476	2,133,776
" condensed or concentrated ...	"	...	216,286	317,921	542,710	670,570
Butter made || ...	lbs.	26,703,309	30,696,680	29,676,997	28,810,883	26,886,860
Cheese made || ...	lbs.	2,199,869	2,685,530	2,239,645	2,135,282	2,170,405
Concentrated milk made ...	gallons	...	54,070	79,480	122,349	164,817
Cream sold for consumption ...	lbs.	...	...	...	371,280	471,324
Meat-freezing and Preserving Works—						
Sheep frozen ...	No.	...	239,000	271,790	263,275	215,639
Cattle " ...	quarters	...	...	...	...	398
Rabbits " ...	No.	...	493,296	860,904	3,386,868	3,014,240
Poultry " ...	"	...	2,792	17,360	8,645	22,962
Preserved—Beef ...	cwt.	...	588	1,008	193	349
" Mutton ...	"	...	3,100	3,314	1,942	2,790
" Rabbits ...	"	...	30,112	30,610	56,806	22,687
" Fish ...	"	...	...	...	172	2,381

* Exclusive of 5,552 hides and 3,492 calf skins in 1896, 3,518 hides and 3,000 calf skins in 1897, and 1,792 hides and 5,192 calf skins in 1898, tanned in small tanneries not included in the regular list.

† In addition to the bacon and hams shown above, 254,740 lbs. in 1896, 144,630 lbs. in 1897, and 237,029 lbs. in 1898, were made in small factories not included in the regular list; and considerable quantities were also returned as having been made on farms. The following are the quantities made on farms and in the whole colony for the respective years:—

	1894.	1895.	1896.	1897.	1898.
Made on farms, lbs. ...	2,604,138	2,985,878	2,074,439	1,422,487	1,795,372
Total for colony " ...	8,835,238	10,138,646	9,892,416	8,670,536	8,931,112

‡ According to estimates in this office, the figures returned being regarded as unsatisfactory.

§ The figures for 1897 include the equivalent of 13,073,431 lbs., and for 1898 of 10,289,849 lbs. of cream received from farmers, reckoning 1 1/2 gallons of milk to every 1 lb. of cream. According to the Agricultural Statistics, the number of cows and heifers in milk or in calf in 1898-9 on farms (including dairy farms) was 413,278, for more than one-half of which the quantity of milk yielded was returned, viz.:—62,056,174 gallons, or an average of 260 2/3 per cow; applying this average to all the cows, the total milk yield of the colony in 1898 is equivalent to 107,535,000 gallons, exclusive of the yield of private cows, as against 103,960,000 in 1897 (260 2/3 per cow), 116,166,000 in 1896 (253 7/8 per cow), and 109,200,000 in 1895 (236 per cow). It should be mentioned that in 1895 and 1896 the basis was "milk cows, wet or dry," and in 1897 and 1898 "cows and heifers in milk or in calf."

|| Besides the cheese made in factories, 247,766 lbs. in 1896, 182,705 lbs. in 1897, and 118,765 lbs. in 1898, were made in small factories not included in the regular list; large quantities of butter and cheese were also returned as having been made on farms during the last three years with the following results:—

	MADE ON FARMS.			TOTAL FOR COLONY.		
	1896.	1897.	1898.	1896.	1897.	1898.
Butter, lbs.	7,451,986	5,750,489	7,193,450	37,128,083	34,561,372	34,060,310
Cheese " "	2,255,155	1,994,520	2,108,199	4,742,566	4,312,507	4,278,601

ADDITIONAL INFORMATION—continued.

		1894.	1895.	1896.	1897.	1898.
Flour Mills—						
Pairs of stones ...	No.	78	86	70	70	62
Sets of rollers ...	"	582	619	591	603	631
Wheat ground into flour ...	bushels	9,332,928	8,460,604	6,162,243	6,118,438	7,947,381
Flour produced ...	tons	193,372	167,424	122,541	121,823	154,722
Other grain operated on ...	bushels	431,344	159,808	34,535	115,186	202,821
Sugar Refineries—						
Raw sugar used (all cane) ...	... cwt.	...	760,540	802,036	795,090	955,580
Refined sugar made ...	"	...	710,475	743,252	730,610	890,880
Molasses refined ...	"	...	37,735	39,910	46,850	49,360
Refined treacle made ...	"	...	...	...	...	38,304
Beet Sugar Works—						
Clean dressed roots treated ...	tons	...	...	...	...	8,878
Sugar made ...	"	...	...	...	...	617
Breweries—*						
Materials used—Sugar ...	cwt.	91,623	93,344	94,501	101,015	109,639
" Malt ...	bushels	612,414	616,450	602,905	605,581	605,423
" Hops ...	lbs.	635,098	652,499	648,352	676,628	712,002
Beer made ...	gallons	14,162,649	14,380,791	14,224,203	14,724,390	15,376,266
Distilleries—†						
Materials used—						
Wine ...	gallons	166,976	213,193	317,062	291,326	350,956
Malt ...	bushels	59,405	77,985	39,631	36,356	46,177
Other grain ...	"	67,069	30,062	2,202	831	1,063
Sugar and molasses ...	cwt.	8,160	8,464	48,000	47,783	46,240
Beer ...	gallons	33,097	15,524	9,250	3,856	1,000
Total spirits distilled ...	proof gallons	463,143	370,332	409,981	331,844	476,347
Spirits manufactured into—						
Brandy made from wine ...	proof gallons	26,012	13,248	30,298	24,230	30,439
" other ...	"	200,216	113,250	86,916	172,670	153,253
Whisky ...	"	77,913	103,934	96,970	60,094	84,753
Gin ...	"	15,183	14,576	16,846	15,667	14,350
Rum ...	"	42,923	45,500	54,489	56,489	49,791
Rectified spirits ...	"	34,397	25,005	26,040	39,371	43,724
Spirits methylated (including about 8½ per cent. of added naphtha, &c.) ...	"	51,814	63,075	62,193	56,951	69,316
Total spirits manufactured ...	proof gallons	448,458	378,608	373,752	425,472	445,626
Tobacco Manufactories—‡						
Raw tobacco used { Imported leaf	lbs.	...	629,154	750,988	916,679	1,080,580
" Colonial leaf	"	...	640,780	545,524	472,024	386,148
Tobacco manufactured ...	"	951,610	1,121,533	985,815	1,098,100	1,066,003
Cigars || " ...	No.	5,467,180	8,404,852	8,217,223	8,399,704	8,963,737
Cigarettes || " ...	lbs.	...	96,103	92,698	97,463	115,999
Snuff " ...	No.	42,368,000	51,162,000	66,896,773	79,095,267	84,149,770
" " ...	lbs.	...	126,939	164,766	196,005	210,327
" " ...	"	545	826	1,500	1,000	1,300
Woolen Mills—						
Spindles in use ...	No.	22,338	21,238	22,044	22,860	23,065
Wool used (greasy and scoured) ...	lbs.	1,513,373	1,901,533	1,889,448	2,775,324	2,685,803
Cotton used ...	"	...	142,141	164,582	271,302	188,000
Cloth and tweed made { length	yards	...	964,536	1,090,326	1,205,928	988,067
" { weight	lbs.	...	724,255	786,205	849,602	721,567
Flannel, &c., made { length	yards	1,579,379	871,949	1,090,378	1,225,295	1,031,914
" { weight	lbs.	...	290,324	362,395	420,100	351,254
Blankets made ...	No.	4,240	7,626	9,519	12,519	23,872
" ...	lbs.	...	64,991	75,512	96,967	165,248
Shawls made ...	No.	664	1,040	1,030	1,204	2,375
" ...	lbs.	...	4,160	4,120	4,900	9,546
Boot Factories—						
Boots and shoes made ...	pairs	...	2,403,019	2,593,387	2,810,293	2,611,532
Brickyards and Potteries—						
Machines in use for preparing clay	No.	140	138	122	114	143
" making bricks	"	...	...	...	...	...
" or pottery ...	"	91	78	88	82	94
Bricks made ...	"	40,108,800	64,204,846	54,039,110**	48,026,200**	63,057,000**
Pipes and tiles made, value	£	42,760	56,550	71,459	27,077	36,315
Pottery made, value	"	...	...	...	18,482	25,746

* Exclusive of 23,751 gallons made in small breweries in 1893, not included in the regular list.

† The figures under this head have been furnished by the Chief Inspector of Distilleries. The quantities are shown in proof gallons, but, if in liquid gallons, they would be 12 or 13 per cent. smaller. As a set-off against the quantity distilled, 34,465 proof gallons were wasted in bonds in 1894, 33,540 in 1895, 31,594 in 1896, 33,404 in 1897, and 35,856 in 1898. Spirits made by vine-growers for fortifying wine are not included. The following quantities were also distilled by vine-growers for fortifying wine, viz.—23,794 gallons (including 1,455 gallons of wine brandy) by 40 vine-growers in 1894, 28,053 gallons by 40 vine-growers in 1895, 30,275 gallons by 45 vine-growers in 1896, 40,289 gallons by 48 vine-growers in 1897, and 38,855 gallons by 49 vine-growers in 1898. The quantities, in proof gallons, of Victorian spirits consumed (duty paid) were as follow:—218,366 in 1894, 194,605 in 1895, 195,253 in 1896, 179,669 in 1897, and 192,770 in 1898.

‡ The figures referring to the tobacco, &c., made in 1895, 1896, 1897, and 1898 have been furnished by the Customs Department.

§ Including quantity made by one holder of £5 license using colonial leaf.

|| Including the following made by persons holding £5 licenses:—Cigars—2,921,784, weighing 33,740 lbs., made by 79 manufacturers in 1895; 2,778,733, weighing 32,136 lbs., made by 77 manufacturers in 1896; 2,840,050, weighing 34,472 lbs., made by 62 manufacturers in 1897; and 2,897,837, weighing 34,960 lbs., made by 62 manufacturers in 1898. Cigarettes—290,000, weighing 729 lbs., made by two manufacturers in 1895; 272,629, weighing 632 lbs., made by two manufacturers in 1896; 2,105,267, weighing 4,895 lbs., made by six manufacturers in 1897; and 1,123,650, weighing 2,762 lbs., made by ten manufacturers in 1898. The output by these licensees was not returned previous to 1895.

¶ Greasy wool.—Previous to 1897 some mills returned the quantity of greasy wool, and others that of scoured wool. The equivalent in scoured wool in 1897 was 1,530,555 lbs., and in 1898, 1,317,953 lbs.

** Exclusive of 1,613,000 in 1896, 3,022,000 in 1897, and 1,454,000 in 1898, made in small brick-yards not included in the regular list.

ADDITIONAL INFORMATION—continued.

		1894.	1895.	1896.	1897.	1898.
<i>Soap and Candle Works—</i>						
Soap made	cwt.	150,550	139,989	122,363††	107,108††	116,621††
Candles made	"	57,351	56,700	51,532	51,212	41,907
<i>Electric Light Works—</i>						
Electricity supplied	Brit. units	...	4,623,326	4,916,172	5,022,630	4,507,176
<i>Gasworks—</i>						
Coal used, Victorian	tons	...	40	620	223	9
" Other	"	...	159,896	145,805	143,187	142,402
Gas made	cubic feet	...	1,625,575,120	1,477,130,510	1,446,963,815††	1,457,948,000††
" consumed	"	...	1,396,108,881	1,289,753,009	1,268,614,587	1,252,618,000
Coke produced	tons	...	83,060	74,008	73,486	74,778

†† Exclusive of 18,489 cwt. in 1896, 20,885 cwt. in 1897, and 11,379 cwt. in 1898, made in small soap works not included in the regular list.

‡‡ Including about 422,000 cubic feet made from about 7,000 gallons of oil.

POWER OF MANUFACTORIES, WORKS, ETC. (EXCLUSIVE OF STONE QUARRIES)—RETURN FOR ELEVEN YEARS.

Year ended 31st December.*	Number.	Power Employed.							Amount of Horse-power Employed.†	Number of Hands usually Employed.		Approximate Value of—		
		Steam.	Gas.	Electric.	Water.	Wind.	Horse.	Manual.		Males.	Females.	Machinery and Plant.	Lands.	Buildings and Improvements.
1898	2,975	1,376	263	...	29	3	130	1,174	24,938	47,335	7,153	£ 5,494,632	£ 5,423,776	£ 3,868,903
1889	3,137	1,415	302	...	28	2	117	1,273	27,683	49,105	8,327	5,861,852	5,484,897	4,265,315
1890	3,104	1,417	323	...	25	4	131	1,204	29,174	47,596	8,773	6,494,417	5,818,513	4,460,518
1891	3,141	1,381	404	...	22	3	140	1,191	30,780	43,905	8,520	7,123,627	5,007,305	4,341,927
1892	2,952	1,318	394	...	17	6	125	1,092	28,644	35,966	7,226	6,872,687	3,898,585	3,985,049
1893	2,677	1,244	385	...	20	2	92	931	28,518	32,410	7,063	6,575,788	3,051,311	3,830,070
1894	2,632	1,245	412	...	18	4	69	884	30,552	32,776	8,224	6,605,870	2,614,930	3,623,740
1895	2,804	1,243	447	...	22	5	72	1,013	{ 36,496f 27,875a }	35,467	10,628	5,127,200	2,799,310	4,362,920
1896	2,810	1,252	478	...	5	19	6	86	{ 38,543f 29,996a }	37,770	12,669	4,982,640	2,921,450	4,375,560
1897	2,760	1,228	498	...	4	18	5	69	{ 38,803f 29,663a }	38,671	14,030	4,532,934†	3,014,502	4,460,610
1898	2,869§	1,247	531	...	6	19	3	91	{ 39,956f 30,853a }	40,631	14,147	4,500,727	2,968,331	4,408,227

Note.—In 1895, for the first time, the particulars of creameries (except as regards their number) were included; whilst the hands, plant, land, and buildings employed in connexion with the sale and distribution of gas and electricity—formerly included—were carefully eliminated. If the same basis as in 1894 were followed, the number of establishments in 1895 would have been 2,742; horse-power, 35,267; hands employed—males 35,500, females 9,782; value of machinery and plant £6,564,000, of lands £2,757,000, and of buildings and improvements, £3,920,000. ¶ The returns for 1896 have been compiled in accordance with the statement at head of the first page. If the same basis as in 1895 had been followed, the number of establishments in 1896 would have been 2,389; horse-power, 38,470f and 27,931a; hands employed—males 37,789, females 11,057; value of machinery and plant £4,990,420, of lands £2,917,000, and of buildings and improvements £4,293,510. The collection in 1895 was, moreover, more complete than in 1894, especially in the city of Melbourne. The number of establishments returned for 1895, which would not have been included under the old basis, was about 131, employing 2,125 hands (viz., 499 males and 1,626 females), but on the other hand 210 small factories, employing 523 hands (viz., 509 males and 14 females), were rejected. The latter were for the most part establishments which were formerly included for comparative purposes, although their hands had fallen below the prescribed number.

* Prior to 1895 the returns were furnished as for the year ended March in the year following, but it is believed that practically the information related to the calendar years, as indicated.

† The letter (f) indicates full capacity, and (a) actually used.

‡ In the years previous to 1897 the amount under this head was over-stated by £410,000, owing to an error to that extent in the figures returned by the Metropolitan Gas Company.

§ Exclusive of Royal Mint, which was included in former years. In 1898, 58 hands (males) were employed in the Mint, the value of machinery being £30,000 and buildings £38,000.

¶ Figures revised since last publication, some inaccuracies having been discovered.

2. STONE QUARRIES.—RETURN FOR FOUR YEARS.

Year ended 31st December.	Number of Quarries.	Steam-engines in use.		Number of hands usually employed.	Quantity of Stone operated on during the Year.			Approximate Total Value of—			
		No.	Amount of Horse-power employed.*		Bluestone.	Sandstone, Freestone, &c.	Granite.	Stone raised.	Machinery and Plant.	Lands †	Buildings.
1895	34	11	{ 192f 146a }	237	c. yds. 126,731	c. yds. 356	c. yds. 146	£ 18,048	£ 18,380	£ 6,700	£ 2,780
1896	45	13	{ 212f 174a }	306	154,540	260	387	23,326	16,370	7,550	3,830
1897	46	13	{ 160f 135a }	276	122,638	736	782	18,360	12,320	13,920	3,250
1898	52	11	{ 148f 113a }	280	141,112	861	306	19,182	12,435	12,180	3,520

NOTE.—Stone-breaking and tar-pavement works being carried on in connexion with quarries, it is found impossible to separate them therefrom. The hands, machinery, &c., employed in these industries are therefore included with those of the quarries.

* The letter (f) indicates full capacity, and (a) actually used.

† Some of the stone quarries returned each year were upon Crown lands; in these cases no valuation of the land has been given.

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3. VICTORIAN COLLIERIES.—RETURN FOR FOUR YEARS.

Year.	Number Returned.	Horse-power of Engines.		Hands Employed.		Coal Raised.		Value of—		
		Full Capacity.	Actually Used.	Miners.	Total.	Quantity.	Value at Pit's Mouth.	Machinery and Plant.	Lands.*	Buildings.
1895	4	221	199	492	766	tons. 175,652	£ 88,531	£ 16,300	£ 3,400	£ 2,730
1896	4	505	163	586	1,111	206,045	93,574	30,780	900	4,530
1897	3	698	326	456	849	234,311	99,030	25,740	3,970	3,520
1898	3	729	370	510	914	213,657	103,680	31,850	3,345	3,465

NOTE.—This return relates to black coal only.

* Two of the collieries in 1895-6-7, and one in 1898, were carried on upon Crown lands; in these cases no valuation of the land has been given.