

## MUNICIPAL STATISTICS.

The total number of municipalities throughout the State in which local government was being administered at the end of the year 1909 was 206. Of these 13 ranked as cities, 10 as towns, 37 as boroughs, and the remainder (146) as shires. The whole of Victoria, with the exception of about 650 square miles—nearly 600 in the mountainous part of Wonnangatta, and the whole of French Island—or  $\frac{3}{4}$  per cent. of the area of the State, is now brought under municipal control.

The following is a summary of the estimated population, number of ratepayers, estimated number of dwellings (inhabited and uninhabited), total and annual value of rateable property, and annual revenue of cities, towns, boroughs and shires in each of the five years ended 1909-10.

## MUNICIPALITIES: 1905-6 TO 1909-10.

Year.	Estimated Population.	Number of Ratepayers.	Estimated Number of Dwellings.		Estimated Value of Rateable Property.		Total Revenue.
			Inhabited.	Uninhabited.	Total.	Annual.	
<b>Cities, Towns, and Boroughs—</b>							
1905-6 ..	684,358	169,536	144,996	4,698	99,354,665	5,664,425	847,104
1906-7 ..	695,192	171,909	147,055	4,778	100,801,295	5,779,231	903,120
1907-8 ..	708,762	176,420	149,706	3,923	103,666,178	5,944,691	961,530
1908-9 ..	719,293	173,928	152,475	3,624	108,149,960	6,080,447	973,191
1909-10 ..	731,050	183,419	155,382	4,096	108,863,963	6,232,091	..
<b>Shires—</b>							
1905-6 ..	541,242	149,350	115,270	3,069	117,260,959	6,130,718	541,188
1906-7 ..	565,739	151,869	117,286	2,828	121,797,646	6,395,094	601,311
1907-8 ..	573,715	152,973	118,575	2,890	129,059,488	6,694,209	663,739
1908-9 ..	581,866	155,492	121,187	2,858	136,538,511	7,043,511	698,625
1909-10 ..	588,156	159,410	122,139	2,600	143,142,655	7,332,397	..
<b>Total—</b>							
1905-6 ..	1,225,600	318,886	260,266	7,767	216,615,624	11,795,143	1,388,292
1906-7 ..	1,260,931	323,778	264,341	7,606	222,598,941	12,174,325	1,504,431
1907-8 ..	1,282,477	329,393	268,231	6,813	232,725,666	12,688,900	1,625,269
1908-9 ..	1,301,159	334,420	273,662	6,482	242,638,771	13,123,958	1,671,816
1909-10 ..	1,319,206	342,829	277,521	6,696	252,006,618	13,564,488	..

Increase in value of rateable properties and municipal revenue.

It will be observed from the following figures that there has been a very substantial increase in the estimated value of rateable property and in the revenue of municipalities during the period covered by the foregoing table:—

#### INCREASE IN VALUE OF PROPERTIES AND IN MUNICIPAL REVENUE.

	Increase.		
	1909-10 over 1905-6.		1908-9 over 1905-6.
	Estimated Value of Rateable Property.		Revenue from all sources.
	Total.	Annual.	
	£	£	£
Cities, Towns, and Boroughs ... ..	9,509,298	567,666	126,087
Shires ... ..	25,881,696	1,201,679	157,437
<b>Total Increase ... ..</b>	<b>35,390,994</b>	<b>1,769,345</b>	<b>283,524</b>

The number of ratepayers returned for 1909-10 was 342,829, and the total capital value of rateable property £252,006,618, which is equivalent to about 18½ years' purchase on the basis of the annual value of £13,564,488.

Properties rated in municipalities.

The properties upon which the municipalities have levied rates during the past five years have steadily increased, as is shown in the following statement:—

#### NUMBER OF PROPERTIES RATED IN MUNICIPALITIES, 1905-6 TO 1909-10.

Year.	Properties Rated.		
	In Cities, Towns, and Boroughs.	In Shires.	Total.
1905-6 ... ..	203,618	194,842	398,460
1906-7 ... ..	206,698	198,493	405,191
1907-8 ... ..	209,581	202,234	411,815
1908-9 ... ..	211,945	205,618	417,563
1909-10 ... ..	214,620	208,140	422,760

Cities, towns, and boroughs, 1909-10.

The following is a statement of the estimated population, number of ratepayers, total and annual value of rateable property, annual endowment payable by the Government, total revenue, and amount

of rate levied in the £ in each city, town, and borough in Victoria. The information relates to the municipal year, 1909-10, except as regards the item "revenue," which is for 1908-9:—

## CITIES, TOWNS, AND BOROUGHS, 1909-10.

Name.	Estimated Population.	Number of Ratepayers.	Amount of General Rate levied in the £.	Estimated Value of Rateable Property.		Total Revenue, 1908-9.	Annual Endowment payable by the Government under Act No. 2129, 1909-10.
				Total.	Annual.		
<b>CITIES.</b>							
			<i>s. d.</i>	£	£	£	£
Ballarat .. .. .	23,817	5,540	2 0	2,528,520	168,568	29,541	.. .. .
Bendigo .. .. .	31,400	7,594	1 6	2,464,104	205,342	33,047	.. .. .
Brunswick .. .. .	29,280	7,824	2 4	3,371,740	168,587	26,937	.. .. .
Collingwood .. .. .	36,190	7,340	1 9	3,397,400	203,844	23,380	.. .. .
Essendon* .. .. .	21,190	7,695	2 0	3,197,540	159,877	20,296	.. .. .
Fitzroy .. .. .	33,980	7,406	1 8	5,409,340	270,467	28,593	.. .. .
Footscray .. .. .	20,740	4,835	2 4	2,471,740	123,587	20,074	.. .. .
Hawthorn .. .. .	25,250	5,418	2 0	4,496,340	224,817	22,785	.. .. .
Melbourne .. .. .	102,330	27,027	1 0 1 5 1 8	34,262,040	1,713,102	337,658	.. .. .
Prahran .. .. .	44,650	10,200	1 8	5,418,444	451,537	47,400	.. .. .
Richmond .. .. .	39,800	8,987	1 9	3,046,095	234,315	27,032	.. .. .
South Melbourne .. .. .	43,000	9,920	2 0	7,447,780	372,389	51,425	.. .. .
St. Kilda .. .. .	23,560	5,244	2 0	2,803,056	233,588	27,240	.. .. .
<b>TOWNS.</b>							
Ballarat East .. .. .	17,526	4,336	2 0	1,241,295	82,753	16,831	.. .. .
Brighton .. .. .	11,850	2,399	2 0	1,982,100	99,105	13,296	.. .. .
Camberwell .. .. .	11,770	4,500	2 0	2,442,780	122,139	18,507	.. .. .
Caulfield .. .. .	13,770	5,300	2 0	2,818,100	140,905	16,550	.. .. .
Geelong .. .. .	14,793	4,143	2 0	2,029,300	101,465	17,454	.. .. .
Malvern .. .. .	14,150	3,800	1 9	3,404,100	170,205	17,588	.. .. .
Northcote .. .. .	14,780	3,174	2 3	1,858,360	92,918	17,269	.. .. .
Port Melbourne .. .. .	12,930	2,850	1 9	955,776	79,648	9,084	.. .. .
Warrnambool .. .. .	6,700	1,438	1 10	908,960	45,448	13,895	.. .. .
Williamstown .. .. .	14,100	5,360	2 3	960,132	80,011	13,015	.. .. .
<b>BOROUGHS.</b>							
Ararat .. .. .	4,250	907	2 6	204,040	20,404	6,570	50
Browns and Scarsdale .. .. .	1,075	227	1 0	29,550	2,955	475	25
Buninyong .. .. .	1,260	356	1 3	100,625	5,750	848	50
Carisbrook .. .. .	1,150	295	1 0	99,220	4,961	629	50
Castlemaine .. .. .	6,200	1,625	1 6	413,087	33,047	5,543	50
Chewton .. .. .	1,290	297	1 0	42,392	5,299	670	50
Clunes .. .. .	2,510	601	1 6	69,174	9,882	2,716	75
Coburg .. .. .	8,400	4,000	2 3	797,790	53,186	8,869	50
Creswick .. .. .	2,800	719	1 6	95,110	9,511	2,837	75
Daylesford .. .. .	3,880	875	2 0	236,600	18,200	4,406	50
Dunolly .. .. .	1,390	364	1 6	68,320	6,832	1,235	50
Eaglehawk .. .. .	9,140	2,000	1 6	443,436	36,953	5,759	50
Echuca .. .. .	4,050	1,090	1 9	248,524	23,669	6,668	50
Geelong West .. .. .	6,819	1,526	2 0	439,320	31,380	3,609	50
Hamilton .. .. .	5,000	1,060	1 9	655,980	32,799	5,250	50
Horsham .. .. .	3,700	798	2 3	321,345	21,423	3,657	100
Inglewood .. .. .	1,450	335	1 6	77,208	6,434	2,014	50
Kew .. .. .	10,850	2,363	1 9	1,531,425	102,095	10,819	50
Koroit .. .. .	2,107	437	2 0	309,800	15,490	2,552	50
Majorca .. .. .	700	201	1 0	24,800	3,100	724	50
Malmsbury .. .. .	1,040	258	1 6	36,954	4,106	915	50
Maryborough .. .. .	5,946	1,260	1 6	280,700	28,070	4,918	50
Newtown and Chilwell .. .. .	5,589	1,463	1 9	660,920	33,046	3,326	50

\* Essendon was constituted a city on the 8th April, 1909.

CITIES, TOWNS, AND BOROUGH—*continued.*

Name.	Estimated Population.	Number of Ratepayers.	Amount of General Rate levied in the £1.	Estimated Value of Rateable Property.		Total Revenue, 1908-9.	Annual Endowment payable by the Government under Act No. 2129, 1909-10.
				Total.	Annual.		
<i>BOROUGH—continued</i>							
Oakleigh ..	1,870	940	s. d.	£	£	£	£
Portland ..	2,250	563	2 0	314,100	15,705	2,687	100
Port Fairy ..	2,000	517	2 0	189,735	12,649	3,357	50
Queenscliff ..	1,580	508	2 0	255,380	12,769	3,265	50
Raywood ..	465	123	1 9	228,860	11,443	2,289	100
Rutherglen ..	2,250	409	1 0	43,936	2,746	340	20
Sale ..	3,600	837	1 3	147,950	14,795	1,785	80
Sebastopol ..	2,650	610	1 9	356,020	17,801	7,024	50
Smythesdale ..	423	165	1 6	129,090	8,606	1,384	80
Stawell ..	5,500	986	1 0	18,730	1,873	374	20
St. Arnaud ..	4,200	960	1 9	205,770	20,577	7,127	50
Talbot ..	1,190	337	1 6	212,830	21,283	3,314	50
Tarnagulla ..	890	200	1 0	53,040	5,304	1,550	50
Wangaratta ..	4,030	877	1 9	39,640	4,955	737	50
			1 9	567,520	28,376	4,052	50
Total ..	781,050	183,419	..	108,863,963	6,232,091	973,191	2,005

Shires,  
1909-10.

The next table gives a list of the shires, and similar particulars to those shown for the cities, towns, and boroughs:—

## SHIRES, 1909-10.

Name.	Estimated Population.	Number of Ratepayers.	Amount of General Rate levied in the £1.	Estimated Value of Rateable Property.		Total Revenue, 1908-9.	Annual Endowment payable by the Government under Act No. 2129, 1909-10.
				Total.	Annual.		
Alberton ..	4,500	1,241	s. d.	£	£	£	£
Alexandra ..	2,258	736	1 3	1,374,260	68,713	7,984	1,500
Arapiles ..	2,860	713	1 0	877,040	43,852	3,343	750
Ararat ..	7,250	1,980	1 6	504,900	25,245	2,075	304
Avoca ..	4,050	1,400	1 0	3,204,840	160,242	10,167	1,300
Avon ..	2,750	765	1 6	636,680	31,834	3,277	485
Bacchus Marsh ..	2,945	566	1 0	772,800	38,640	3,649	575
Bairnsdale ..	8,300	1,900	1 0	433,404	32,104	2,592	385
Ballan ..	6,000	1,450	1 0	1,680,760	84,038	8,255	1,440
Ballarat ..	4,900	880	1 3	740,000	37,000	3,489	575
Bannockburn ..	1,800	411	1 0	1,196,300	59,815	4,556	575
Barrabool ..	2,160	511	1 3	330,320	20,645	1,827	265
Beechworth ..	7,500	1,406	1 0	760,000	38,000	2,983	425
Belfast ..	2,600	752	1 0	378,900	31,575	5,646	545
Bellarine ..	4,348	1,011	1 4	1,012,480	50,624	4,500	650
Benalla ..	9,200	2,750	1 3	1,006,440	50,322	4,004	485
Berwick ..	7,000	2,570	1 3	1,831,900	91,595	10,979	1,450
Bet Bet ..	3,750	856	1 3	1,251,600	62,580	6,843	1,000
Birch ..	2,175	620	1 0	479,720	23,986	2,116	375
Borong ..	7,650	1,282	1 0	698,720	34,936	3,030	400
Braybrook ..	1,700	2,103	1 0	2,001,600	100,080	7,208	1,080
Bright ..	4,700	1,305	1 0	689,820	33,491	2,532	320
Broadford ..	1,900	506	1 3	653,700	32,685	3,677	750
Broadmeadows ..	1,950	667	1 3	304,840	15,242	1,668	300
Bulla ..	2,600	420	1 3	535,140	26,757	2,683	365
Buln Buln ..	4,800	1,400	1 3	470,860	23,543	2,594	350
			1 3	1,003,520	50,176	5,553	1,250

## SHIRES—continued.

Name.	Estimated Population.	Number of Ratepayers.	Amount of General Rate levied in the £.	Estimated Value of Rateable Property.		Total Revenue, 1908-9.	Annual Endowment payable by the Government under Act No. 2129, 1909-10.
				Total.	Annual.		
			s. d.	£	£	£	£
Bungaree ..	4,450	860	1 9	655,160	32,758	4,305	800
Buninyong ..	6,500	1,761	1 3	1,167,520	58,376	5,043	550
Charlton ..	2,800	717	1 0	1,038,260	51,913	3,288	550
Chiltern ..	2,900	680	1 0	136,860	13,686	1,971	230
Colac ..	12,000	2,764	1 3	4,942,000	247,100	20,665	1,200
Corio ..	2,172	719	1 3	857,700	42,885	4,318	500
Cranbourne ..	3,960	1,098	1 3	1,073,520	53,676	4,995	700
Creswick ..	7,300	1,403	1 0	1,187,720	59,386	5,237	775
Dandenong ..	3,648	2,096	1 6	720,000	36,000	4,663	525
Deakin ..	2,600	850	0 9	1,057,520	52,876	2,681	446
Dimboola ..	5,100	1,150	1 0	1,438,260	71,913	6,131	618
Donald ..	3,000	801	1 0	841,540	42,077	3,616	575
Doncaster ..	1,100	300	1 3	271,400	13,570	1,216	216
Dundas ..	2,941	940	1 0	1,962,740	98,137	6,741	1,050
Dunmunkle ..	5,750	1,105	1 0	1,632,360	81,618	6,165	1,200
East Loddon ..	1,530	432	1 0	713,520	35,676	2,869	550
Eltham ..	3,378	1,230	1 3	567,960	28,398	3,305	450
Epping ..	1,422	490	1 0	389,640	19,482	1,443	225
Euroa ..	5,590	1,349	1 0	1,319,060	65,953	5,878	750
Ferntree Gully ..	4,500	1,180	1 6	648,800	32,440	4,578	900
Flinders and Kangarong ..	2,600	1,014	1 0	616,960	30,848	3,004	260
Frankston and Hastings ..	2,500	1,161	1 6	466,880	23,344	2,326	425
Gisborne ..	2,300	762	1 0	492,880	24,644	2,130	340
Glenelg ..	6,020	1,508	1 0	1,737,180	115,812	8,556	1,200
Glenlyon ..	2,700	493	1 0	168,980	16,898	1,461	250
Gordon ..	3,700	870	1 0	961,080	48,054	4,117	740
Goulburn ..	3,100	672	1 0	495,540	24,777	3,545	350
Grenville ..	7,100	1,400	1 0	900,320	45,016	4,249	560
Hampden ..	7,860	1,720	1 0	5,143,680	257,184	20,002	750
Healesville ..	1,440	438	2 0	230,380	11,519	3,792	450
Heidelberg ..	7,500	2,870	1 7	1,215,300	60,765	12,440	500
Heytesbury ..	4,003	965	1 3	1,558,400	77,920	8,071	1,100
Howqua ..	1,750	280	1 6	98,080	4,904	2,073	200
Huntly ..	4,000	900	1 0	866,680	43,334	3,250	400
Kara Kara ..	4,420	1,403	1 0	1,154,700	57,735	4,232	676
Karkaroc ..	3,500	920	1 3	1,798,280	89,914	7,964	950
Keilor ..	750	280	1 0	336,660	16,833	1,153	100
Kerang ..	9,000	2,070	1 0	2,205,340	110,267	12,381	1,000
Kilmore ..	2,152	538	1 3	239,040	19,920	1,873	275
Korong ..	6,000	1,395	1 6	1,024,640	51,232	4,530	650
Kowree ..	3,800	1,370	1 0	1,220,112	76,257	5,655	870
Kyneton ..	8,660	2,166	1 0	1,312,040	65,602	8,483	675
Lancefield ..	1,210	294	1 0	258,940	12,947	1,169	151
Lawloit ..	2,360	616	1 0	519,840	34,656	2,793	396
Leigh ..	1,749	594	1 3	963,920	48,196	3,165	550
Lexton ..	2,250	593	1 0	772,100	33,605	2,790	400
Lillydale ..	5,900	1,936	1 3	1,049,120	52,456	6,104	800
Lowan ..	4,175	1,290	1 6	765,100	38,255	3,558	600
Maffra ..	3,950	1,135	1 0	1,312,420	65,621	4,973	1,000
Maldon ..	5,750	1,510	1 6	785,380	39,269	3,668	375
Mansfield ..	4,000	960	1 0	979,340	48,967	4,450	900
Marong ..	7,800	2,220	1 6	1,535,660	76,783	5,812	900
Melton ..	1,400	312	1 0	285,404	21,141	1,685	236
Meredith ..	1,100	370	1 3	401,420	20,071	1,549	190
Merriang ..	1,050	270	1 0	335,260	16,763	1,103	176
Metcalf ..	2,850	947	1 0	374,385	24,959	2,333	278
Mildura ..	5,180	1,052	1 6	647,600	32,380	4,450	476
Minhamite ..	1,931	574	1 0	1,233,620	61,681	5,134	650
Mirboo ..	1,410	389	1 6	377,260	18,863	3,173	700
Moorabbin ..	10,720	3,700	2 0	1,761,360	88,068	15,031	600
Mornington ..	1,500	385	1 6	296,100	14,805	2,633	230

## SHIRES—continued.

Name.	Estimated Population.	Number of Ratepayers.	Amount of General Rate levied in the £.		Estimated Value of Rateable Property.		Total Revenue, 1908-9.	Annual Endowment payable by the Government under Act No. 2129, 1909-10.
			s.	d.	£	£		
Mortlake ..	3,038	653	1	0	2,161,800	108,090	7,254	700
Morwell ..	3,150	850	1	3	634,140	31,707	3,227	900
Mount Alexander ..	2,150	586	1	0	130,700	10,456	1,253	126
Mount Franklin ..	2,604	828	1	0	162,310	16,231	2,393	204
Mount Rouse ..	2,500	685	1	0	1,542,340	77,117	5,409	400
Mulgrave ..	3,070	762	2	0	414,160	20,708	2,978	450
Mclvor ..	4,387	1,116	1	0	721,980	36,099	3,360	450
Narracan ..	5,500	1,523	1	6	972,080	48,604	7,024	1,400
Newham and Wood- end ..	2,400	630	1	3	247,620	16,508	1,909	300
Newstead ..	2,300	611	1	0	334,340	16,717	1,593	210
North Ovens ..	2,600	693	1	0	656,320	32,816	2,558	296
Numurkah ..	8,050	1,602	1	0	2,040,040	102,002	7,870	1,200
Nunawading ..	6,654	2,550	2	0	1,058,100	52,905	7,610	950
Omeo ..	5,000	1,270	1	6	900,000	45,000	6,810	1,700
Orbost ..	3,700	1,176	1	6	731,500	36,575	4,740	1,100
Oxley ..	4,600	1,161	1	0	1,086,360	54,318	4,362	750
Phillip Island and Woolamai ..	2,900	830	1	3	866,660	43,333	5,101	1,100
Poowong and Jeetho ..	8,400	1,828	1	3	1,866,500	93,325	10,830	2,000
Portland ..	5,750	1,830	1	0	1,706,140	85,307	6,804	1,000
Preston ..	4,780	1,084	1	11	754,760	37,738	5,345	650
Pyalong ..	1,200	340	1	0	332,280	16,614	1,517	229
Ripon ..	5,600	1,327	1	0	1,812,240	90,612	5,249	450
Rochester*	4,501	1,196	1	0	1,219,680	60,984	4,571	500
Rodney ..	6,500	1,420	1	0	1,680,140	99,007	7,048	875
Romsey ..	2,000	481	1	0	470,700	23,535	2,459	274
Rosedale ..	3,700	1,020	1	0	1,423,540	71,177	5,942	1,000
Rutherglen ..	5,854	1,217	1	0	674,820	33,741	2,783	450
Seymour ..	4,250	1,073	1	0	813,440	40,672	4,023	850
Shepparton ..	6,800	1,410	1	0	1,180,000	59,000	6,512	850
South Barwon ..	2,445	974	1	6	440,080	22,004	2,490	277
South Gippsland ..	3,500	1,006	1	6	964,240	48,212	6,226	1,050
Springfield ..	711	169	1	3	253,640	12,682	1,211	189
Stawell ..	2,700	1,117	1	3	1,289,663	67,877	4,449	624
Strathfieldsaye ..	3,740	1,065	1	3	395,060	19,753	2,493	278
Swan Hill ..	5,000	1,482	1	0	837,435	55,829	4,826	550
Talbot ..	1,250	438	1	0	381,420	19,071	1,794	221
Tambo ..	2,300	700	1	6	502,640	25,132	3,479	895
Templestowe ..	960	360	1	3	237,000	11,850	1,306	177
Towong ..	7,185	1,903	1	0	1,778,500	88,925	9,387	1,800
Traralgon ..	3,250	850	1	3	684,740	34,237	5,220	893
Tullaroop ..	3,132	927	1	0	301,884	25,157	2,234	337
Tungamah ..	6,402	1,501	1	0	1,468,580	73,429	6,305	900
Upper Yarra ..	3,122	520	1	9	341,040	17,052	3,541	450
Violet Town ..	3,000	678	1	0	609,740	30,487	2,481	450
Walhalla ..	2,492	707	2	6	70,008	8,751	1,986	570
Wannon ..	3,100	674	1	0	1,833,020	91,651	6,769	862
Waranga ..	4,600	1,900	1	0	1,638,680	81,934	8,678	750
Warragul ..	4,900	1,138	1	6	1,144,780	57,239	7,944	1,800
Warrnambool ..	9,750	1,970	1	0	2,715,840	135,792	12,435	1,380
Werribee† ..	2,950	3,310	1	0	1,508,320	75,416	4,999	600
Whittlesea ..	2,075	485	1	0	374,000	18,700	1,800	235
Wimmera ..	5,095	1,019	1	0	1,433,700	71,685	5,191	733
Winchelsea ..	3,260	840	1	4	1,361,640	68,082	6,215	850
Wodonga ..	1,966	509	1	0	200,090	20,009	2,195	288
Woorayl ..	4,425	1,212	1	9	1,232,220	61,611	8,542	2,000
Wycheproof ..	4,250	1,137	1	0	1,253,260	62,663	5,524	665
Yackandandah ..	5,322	1,118	1	0	985,680	49,284	5,349	933
Yarrawonga ..	3,281	796	1	0	750,400	37,520	4,194	570
Yea ..	2,628	694	1	0	931,200	46,560	3,630	800
Total ..	588,156	159,410	..	..	143,142,655	7,332,397	698,625	96,539

\* The name of this shire was altered from Echuca to Rochester on 25th October, 1909.

† The name of this shire was altered from Wyndham to Werribee on 9th December, 1909.

The following is the number of cities, towns, and boroughs, and the number of shires in which rates were struck in each of the last five years at the amounts set down in the first column :—

Ratings in municipalities, 1909.

## RATINGS IN MUNICIPALITIES, 1905-6 TO 1909-10.

Amount levied in the £1.	Number of Cities, Towns, and Boroughs.					Number of Shires.				
	1905-6.	1906-7.	1907-8.	1908-9.	1909-10.	1905-6.	1906-7.	1907-8.	1908-9.	1909-10.
<i>s. d.</i>										
0 9	..	..	..	..	..	2	1	..	1	1
1 0	9	9	9	8	8	95	87	87	86	80
1 2	..	..	..	..	..	..	..	..	1	..
1 3	3	3	1	1	2	23	25	31	30	33
1 4	2	1	1	1	..	4	3	4	2	2
1 6	14	13	14	14	11	14	21	15	17	20
1 7	3	1	1	1	..	1	1	1	1	1
1 8	2	4	2	2	2	..	..	..	..	..
1 9	7	8	9	9	12	1	2	3	2	3
1 10	1	1	1	1	1	..	..	..	..	..
1 11	..	..	..	..	..	..	..	..	1	1
2 0	12	12	15	15	16	5	5	4	4	4
2 2	..	1	1	..	..	..	..	..	..	..
2 3	3	3	2	3	4	..	..	..	..	..
2 4	2	2	2	1	2	..	..	..	..	..
2 6	1	1	1	3	1	1	1	1	1	1
1 0 } 1 9 } 2 0 }	1	..	..	..	..	..	..	..	..	..
1 0 } 1 5 } 1 8 }	..	1	1	1	1	..	..	..	..	..
Total ..	60	60	60	60	60	146	146	146	146	146

These figures give an average rating of 1s. 8½d. in the £1 in cities, towns, and boroughs, and of 1s. 2¼d. in shires. The rating in the urban districts is thus shown to be 6¼d. in the £1 more than in the rural districts. It will be observed that no municipality during the last five years imposed the minimum rate allowed by law, viz., 6d., but that several reached the maximum of 2s. 6d. in the £1.

\* These amounts refer to Melbourne City where, for the North Melbourne and Flemington and Kensington portions of Hopetoun Ward, the rating is different from that for the rest of the city.

Classification of properties rated, 1909-10.

The number of properties rated, and the annual assessment thereon in the municipalities of the State in 1909-10, were as follows:—

NUMBER AND ASSESSMENT OF PROPERTIES RATED IN MUNICIPALITIES IN VICTORIA, 1909-10.

Rateable Values.	Number of Properties Rated.				Assessment of Properties Rated.			
	In Cities, Towns, and Boroughs.		In Shires.	Total.	In Cities, Towns, and Boroughs.		In Shires.	Total.
	Within the Melbourne Area.	Outside Melbourne and Suburbs.			Within the Melbourne Area.	Outside Melbourne and Suburbs.		
					£	£	£	£
Under £5 .. ..	23,909	7,810	38,378	70,097	59,448	19,402	90,467	169,317
£5 and less than £10	10,992	8,963	33,242	53,197	76,538	61,974	216,575	355,087
£10 .. ..	20,574	15,561	29,465	65,600	249,443	183,009	336,587	769,039
£15 .. ..	24,407	8,459	17,640	50,506	409,006	137,524	287,599	834,129
£20 .. ..	24,838	5,088	14,223	44,149	541,109	108,490	301,859	951,458
£25 .. ..	12,612	2,395	11,422	26,429	333,992	63,119	299,413	696,524
£30 .. ..	10,918	1,871	9,453	22,242	343,753	58,795	295,747	698,295
£35 .. ..	4,837	916	6,313	12,066	176,690	32,977	228,729	438,396
£40 .. ..	5,603	1,023	6,933	13,559	231,478	42,081	235,778	559,337
£45 .. ..	2,734	585	4,952	8,271	125,645	26,968	231,062	383,675
£50 .. ..	8,655	1,799	15,198	25,652	491,315	105,204	903,772	1,500,291
£75 .. ..	2,503	651	7,345	10,499	207,640	54,620	619,855	882,115
£100 .. ..	3,398	864	9,577	13,839	443,555	115,190	1,287,728	1,846,473
£200 .. ..	967	185	2,119	3,271	219,894	41,886	498,098	759,878
£300 .. ..	421	66	719	1,206	137,845	22,483	245,822	406,150
£400 .. ..	218	38	324	580	93,133	16,212	142,874	252,219
£500 .. ..	162	16	198	376	85,002	8,393	107,270	200,665
£600 .. ..	105	5	131	241	66,308	3,075	84,500	153,883
£700 .. ..	78	1	77	156	56,846	720	57,409	114,975
£800 .. ..	49	2	50	101	39,996	1,740	42,223	83,959
£900 .. ..	53	..	42	95	48,912	..	39,760	88,672
£1,000 .. ..	87	2	77	166	93,799	2,385	85,587	181,771
£1,250 .. ..	33	4	59	96	43,878	5,477	80,297	129,652
£1,500 .. ..	38	..	39	77	59,655	..	64,520	124,175
£1,750 .. ..	22	..	25	47	40,858	..	44,747	85,605
£2,000 .. ..	22	1	24	47	44,760	2,160	50,856	97,776
£2,250 .. ..	15	1	16	32	34,951	2,300	37,765	75,016
£2,500 .. ..	13	..	22	35	33,800	..	57,494	91,294
£2,750 .. ..	9	..	9	18	25,150	..	25,757	50,907
£3,000 .. ..	5	..	13	18	15,202	..	40,129	55,331
£3,250 .. ..	5	..	10	15	16,672	..	33,547	50,219
£3,500 .. ..	5	..	8	13	17,500	..	29,112	46,612
£3,750 .. ..	6	1	9	16	22,962	3,880	35,204	62,046
£4,000 .. ..	2	..	5	7	8,000	..	20,436	28,436
£4,250 .. ..	1	..	4	5	4,400	..	17,458	21,858
£4,500 .. ..	3	..	4	7	13,500	..	18,711	32,211
£4,750 .. ..	..	..	3	3	..	..	14,306	14,306
£5,000 .. ..	5	..	9	14	25,888	..	43,708	74,596
£6,000 .. ..	3	..	2	3	6,500	..	13,108	19,608
£7,000 .. ..	1	..	..	3	22,050	..	..	22,050
£8,000 .. ..	1	..	..	1	8,900	..	..	8,900
£9,000 .. ..	..	..	..	..	..	..	..	..
£10,000 .. ..	1	..	..	1	10,000	..	..	10,000
£10,250 .. ..	1	..	..	1	10,254	..	..	10,254
£11,523 .. ..	1	..	1	1	..	..	11,523	11,523
£28,000 .. ..	1	..	..	1	28,000	..	..	28,000
£87,800 .. ..	1	..	..	1	87,800	..	..	87,800
<b>Total</b> .. ..	<b>158,313</b>	<b>56,307</b>	<b>208,140</b>	<b>422,760</b>	<b>5,112,027</b>	<b>1,120,064</b>	<b>7,332,397</b>	<b>13,564,488</b>



The estimated capital and unimproved values of properties in municipalities, classified according to rateable values, are shown hereunder. The capital values have been returned by the municipal authorities, and the unimproved values have been estimated on the assumption that in urban districts one-half, and in rural districts two-thirds, of the capital value represents the unimproved value.

ESTIMATED CAPITAL AND UNIMPROVED VALUE OF PROPERTIES RATED IN MUNICIPALITIES IN VICTORIA, 1909-10.

Rateable Values.	Estimated Capital Value.				Estimated Unimproved Value.			
	In Cities, Towns, and Boroughs.		In Shires.	Total.	In Cities, Towns, and Boroughs.		In Shires.	Total.
	Within the Melbourne Area.	Outside Melbourne and Suburbs.			Within the Melbourne Area.	Outside Melbourne and Suburbs.		
	£	£	£	£	£	£	£	£
Under £5 .. ..	1,059,897	278,913	1,758,400	3,097,210	529,948	139,456	1,172,262	1,841,666
£5 and less than £10	1,389,025	872,376	4,132,269	6,393,670	694,512	436,187	2,754,844	3,885,543
£10 .. ..	4,373,261	2,585,453	6,473,654	13,432,368	2,186,631	1,292,728	4,315,767	7,795,126
£15 .. ..	£20	1,963,313	5,566,556	14,708,646	3,589,389	981,656	3,711,033	8,282,078
£20 .. ..	£25	1,589,668	5,846,173	16,910,472	4,737,314	794,833	3,897,448	9,429,595
£25 .. ..	£30	6,016,225	5,801,180	12,759,654	3,008,112	471,125	3,867,443	7,346,680
£30 .. ..	£35	6,129,884	883,622	5,744,637	12,755,143	3,064,947	441,810	3,829,766
£35 .. ..	£40	3,172,668	495,937	4,455,417	8,124,022	1,536,334	247,969	2,970,284
£40 .. ..	£45	4,076,737	625,810	5,582,608	10,285,155	2,038,368	312,906	3,721,744
£45 .. ..	£50	2,255,769	410,775	4,485,740	7,152,284	1,127,885	205,388	2,990,506
£50 .. ..	£75	8,664,333	1,582,200	17,686,745	27,933,278	4,332,167	791,100	11,791,174
£75 .. ..	£100	3,612,555	835,776	12,138,400	16,586,731	1,806,277	417,889	8,092,277
£100 .. ..	£200	7,814,370	1,715,763	25,294,063	34,824,196	3,907,184	857,881	16,862,710
£200 .. ..	£300	4,020,455	660,850	9,788,671	14,469,976	2,010,227	330,426	6,525,781
£300 .. ..	£400	2,570,096	337,264	4,814,318	7,721,678	1,285,048	168,631	3,209,529
£400 .. ..	£500	1,756,486	252,215	2,817,134	4,825,835	878,243	126,108	1,878,090
£500 .. ..	£600	1,599,789	137,610	2,186,299	3,923,698	799,894	68,805	1,457,530
£600 .. ..	£700	1,241,503	48,775	1,562,420	2,852,698	620,751	24,387	1,041,613
£700 .. ..	£800	1,100,354	8,640	1,125,775	2,234,769	550,177	4,320	750,517
£800 .. ..	£900	772,520	28,570	828,847	1,629,937	386,260	14,285	552,564
£900 .. ..	£1,000	944,460	766,461	1,710,921	472,230	510,972	983,202	1,092,223
£1,000 .. ..	£1,250	1,798,580	41,775	1,614,063	3,454,418	899,290	20,888	1,076,045
£1,250 .. ..	£1,500	850,827	73,671	1,698,225	2,522,723	425,413	36,835	1,065,480
£1,500 .. ..	£1,750	1,155,100	..	1,210,092	2,365,192	577,550	..	806,725
£1,750 .. ..	£2,000	775,893	..	914,230	1,690,123	387,946	..	609,484
£2,000 .. ..	£2,250	895,200	32,400	1,012,814	1,940,414	447,600	16,200	675,207
£2,250 .. ..	£2,500	668,970	27,600	728,522	1,425,092	334,485	13,800	485,682
£2,500 .. ..	£2,750	676,000	..	1,096,750	1,772,750	338,000	..	713,164
£2,750 .. ..	£3,000	503,000	..	802,580	1,006,540	251,500	..	335,693
£3,000 .. ..	£3,250	230,040	..	653,917	987,357	166,720	..	435,944
£3,250 .. ..	£3,500	333,440	..	582,240	932,240	175,000	..	388,159
£3,500 .. ..	£3,750	350,000	..	684,815	1,160,359	214,492	23,280	456,545
£3,750 .. ..	£4,000	428,984	46,560	408,720	568,720	80,000	..	272,480
£4,000 .. ..	£4,250	160,000	..	349,160	437,160	44,000	..	232,773
£4,250 .. ..	£4,500	88,000	..	374,220	644,220	135,000	..	249,481
£4,500 .. ..	£4,750	270,000	..	286,120	286,120	..	..	190,748
£4,750 .. ..	£5,000	458,269	..	974,160	1,432,429	229,134	..	649,442
£5,000 .. ..	£6,000	130,000	..	262,160	392,160	65,000	..	174,774
£6,000 .. ..	£7,000	441,000	..	..	441,000	220,500	..	..
£7,000 .. ..	£8,000	178,000	..	..	178,000	89,000	..	89,000
£8,000 .. ..	£9,000	..	..	..	..	..	..	..
£9,000 .. ..	£10,000	..	..	..	..	..	..	..
£10,000 and up-wards	200,000	..	..	..	200,000	100,000	..	100,000
	205,080	..	..	..	205,080	102,540	..	102,540
	560,000	..	230,560	..	230,560	280,000	..	280,000
	1,756,000	..	..	..	560,000	878,000	..	878,000
	..	..	..	..	1,756,000	..	..	..
Total .. ..	92,386,178	16,477,785	143,142,655	252,006,618	46,193,088	8,238,893	95,428,437	149,860,413

Proportion of properties at different values, 1901-2, 1905-6, and 1909-10.

The following return shows the proportion of properties at the different rateable values at three periods. It will be seen that there was very little alteration in the eight years:—

PROPORTION OF PROPERTIES AT DIFFERENT RATEABLE VALUES,  
1901-2, 1905-6, AND 1909-10.

Rateable Values.	Number of Properties in every 100 Rated.								
	In Cities, Towns, and Boroughs.			In Shires.			In Victoria.		
	1901-2.	1905-6.	1909-10.	1901-2.	1905-6.	1909-10.	1901-2.	1905-6.	1909-10.
Under £25 ...	72·6	72·9	70·1	63·1	64·6	63·9	67·8	68·8	67·0
£25 to £50 ...	18·3	18·0	20·3	23·4	20·6	18·8	20·9	19·3	19·5
£50 " £75 ...	4·2	4·2	4·9	5·6	6·2	7·3	4·9	5·2	6·1
£75 " £100 ...	1·7	1·8	1·5	3·5	3·5	3·5	2·6	2·6	2·5
£100 " £200 ...	2·0	2·0	2·0	3·1	3·6	4·6	2·5	2·8	3·3
£200 " £300 ...	·6	·5	·5	·6	·7	1·0	·6	·6	·8
£300 " £400 ...	·2	·2	·2	·2	·3	·3	·2	·2	·3
£400 " £500 ...	·1	·1	·1	·1	·1	·2	·1	·1	·1
£500 and upwards	·3	·3	·4	·4	·4	·4	·4	·4	·4

The ordinary revenue and expenditure for the last three financial years were as follows:—

REVENUE AND EXPENDITURE OF MUNICIPALITIES, 1907 TO 1909.

Sources of Revenue.	1907.	1908.	1909.
Taxation —	£	£	£
Rates ... ..	887,580	902,741	946,956
Licences ... ..	103,742	106,758	101,682
Dog Fees ... ..	17,455	17,628	18,751
Market and Weighbridge Dues ... ..	57,190	57,386	68,014
Government Endowment and Grants ... ..	117,304	172,648	175,601
Contributions for Streets, Footpaths, &c. ... ..	30,816	34,246	35,173
Sanitary Charges ... ..	56,918	58,072	59,966
Rents ... ..	66,601	67,387	69,842
Other Sources ... ..	163,825	208,403	195,831
<b>Total</b> ... ..	<b>1,504,431</b>	<b>1,625,269</b>	<b>1,671,816</b>
Heads of Expenditure.			
Salaries, &c. ... ..	147,933	152,302	158,436
Sanitary Work, Street Cleansing, &c. ... ..	134,632	142,769	150,964
Lighting ... ..	76,217	79,832	82,354
Fire Brigades' Contributions ... ..	17,144	20,724	22,061
Public Works—			
Construction ... ..	266,658	213,607	288,869
Maintenance ... ..	441,335	474,188	490,341
Formation of Private Streets, &c. ... ..	28,296	32,718	37,888
Redemption of Loans ... ..	54,998	60,568	58,263
Interest on Loans ... ..	196,965	198,632	201,199
Charities ... ..	13,401	14,666	15,241
Other Expenditure ... ..	156,894	187,830	173,154
<b>Total</b> ... ..	<b>1,534,473</b>	<b>1,677,836</b>	<b>1,678,760</b>

Municipal revenue and expenditure

As compared with 1908, the revenue of 1909 increased by £46,547, as follows:—Rates increased by £44,215, Government endowment and grants by £2,953, rents by £2,455, market and weighbridge dues by £10,628, sanitary charges by £1,894, dog fees by £1,123, and contributions for streets, footpaths, &c., by £927; while licences and “other sources” of revenue declined by £5,076 and £12,572 respectively. The expenditure was in excess of the amount for the previous year by £924. The following items showed increases:—Salaries, £6,134; sanitary work and street cleaning, £8,195; lighting, £2,522; fire brigades’ contributions, £1,327; public works maintenance, £16,153; formation of private streets, &c., £5,170; interest on loans, £2,567; and charities, £575. Under the other headings there were decreases as follows:—Public works construction, £24,738; redemption of loans, £2,305; and “other expenditure,” £14,676.

Fifty-seven per cent. of municipal revenue in 1909 was derived from rates, 6 per cent. from licences of all kinds, 4 per cent. from market and weighbridge dues, 1 per cent. from dog fees, 11 per cent. from Government endowments and grants, 2 per cent. from contributions for streets, footpaths, &c., 3 per cent. from sanitary charges, 4 per cent. from rents, and 12 per cent. from all “other sources.”

Proportion of municipal revenue raised from different sources.

In 1909 the salaries of the municipal officers amounted to £158,436, or 9½ per cent. of the entire revenue.

Salaries.

A sum of £15,241 or less than 1 per cent. of the revenue, was devoted to the local charities—the greater part of this disbursement in aid of hospitals, benevolent asylums and associations, and orphan asylums.

Local charities.

The assets of the municipalities are shown under three heads—(1) Municipal Fund, (2) Loan Fund, (3) Property; the liabilities under two heads—(1) Municipal Fund, (2) Loan Fund.

Assets and liabilities of municipalities.

## MUNICIPAL ASSETS AND LIABILITIES, 1907 TO 1909.

Assets.	1907.	1908.	1909.
Municipal Fund—	£	£	£
Uncollected Rates ... ..	112,435	116,223	114,598
Other Assets ... ..	196,048	182,790	267,944
Loan Funds—			
Sinking Funds—			
Amount at Credit ... ..	772,662	796,272	812,920
Arrears Due ... ..	3,616	2,806	2,827
Unexpended Balances ... ..	325,901	220,674	106,852
Property—			
Halls, Buildings, Markets, &c. ... ..	2,697,701	2,826,394	2,992,809
Waterworks ... ..	223,687	220,669	207,451
Gasworks ... ..	66,269	66,638	57,399
Total Assets ... ..	4,398,319	4,432,466	4,562,800

MUNICIPAL ASSETS AND LIABILITIES. 1907 TO 1909—*continued.*

Liabilities.	1907.	1908.	1909.
Municipal Fund—			
Due on Current Contracts ... ..	£ 68,654	£ 77,503	£ 90,913
Arrears due to Sinking Funds ... ..	3,616	2,806	2,827
Overdue Interest ... ..	17,060	18,535	15,639
Bank Overdrafts ... ..	94,825	122,453	120,705
Other Liabilities ... ..	110,688	116,780	142,446
Loan Funds—			
Loans Outstanding ... ..	4,442,713	4,437,673	4,416,103
Due on Loan Contracts ... ..	39,726	88,086	49,452
Total Liabilities ... ..	4,777,282	4,863,836	4,838,085

Municipal  
assets and  
liabilities  
compared.

The total assets of municipalities in 1909 amounted to £4,562,800, and the total liabilities to £4,838,085. The aggregate of the current liabilities (Municipal Fund) was £372,530, against which there were assets amounting to £382,542. The gross liability on account of loan expenditure for works completed and in progress was £4,465,555, which, after deducting sinking funds and unexpended balances, was reduced to £3,542,956. If credit were taken for the value of municipal properties (£3,257,659) in markets, halls, buildings, gasworks, waterworks, &c., the net burden on account of loan moneys would be £285,297.

Endowment  
of muni-  
cipalities.

Under the *Local Government Act 1891*, £450,000 was provided as an annual endowment for the municipalities. This was the first statutory provision made since 1879, when an endowment of £310,000, authorized under the *Local Government Act 1874*, ceased to be payable. A subsidy, however, in lieu thereof, amounting to £310,000, was voted by Parliament annually, but this vote was gradually increased until £450,000 was reached in 1889-90 and 1890-91. This amount was reduced to £405,000 per annum from the 1st January, 1893; to £310,000 from 1st July, 1893; to £100,000 from 1st July, 1894; and to £50,000 from 1st July, 1902. Under Act No. 2025 it was increased to £75,000 for the year 1906-7, and from the 1st July, 1907, it was increased under Act No. 2129 to £100,000. The endowment is payable in equal moieties in March and September of each year. No city or town is entitled to receive any part of the endowment. The distribution amongst the boroughs and shires is based on the amount of general and extra rates received in the twelve months ended on the last day of September next preceding the financial year 1907-8, according to the following scale:—

To every borough or first-class shire ... ..	3s. in the £
“ “ second-class shire ... ..	5s. “ “ “
“ “ third-class shire ... ..	6s. “ “ “
“ “ fourth-class shire ... ..	8s. “ “ “
“ “ fifth-class shire ... ..	10s. “ “ “
“ “ sixth-class shire ... ..	12s. “ “ “

In addition to the endowment of £100,000 the municipalities received from the Government a sum of £84,544 out of the Licensing Fund, under Act No. 1111, Section 201, the equivalent for (1) fees for licences; (2) fees for the registration of brewers and spirit merchants; (3) fines, penalties, and forfeitures incurred under *The Licensing Act 1876*. The particulars of this payment are as follows:—

## EQUIVALENT FOR LICENCE FEES, ETC., 1908-9.

	£	s.	d.
Paid to Cities ... ..	32,906	10	9
„ Towns ... ..	7,821	0	0
„ Boroughs ... ..	12,328	0	0
„ Shires—			
1st Class ... ..	288	0	0
2nd „ ... ..	13,913	15	2
3rd „ ... ..	11,585	0	0
4th „ ... ..	933	0	0
5th „ ... ..	3,672	0	0
6th „ ... ..	1,643	0	0
Total amount due ... ..	85,090	5	11
Deduct unpaid accounts of 1909	£785	0	0
Add payments on account of 1908	239	0	0
	546	0	0
Amount paid in 1908-9 ... ..	84,544	5	11

The following is a statement of the receipts and expenditure of the Licensing Fund for the year ended 30th June, 1909:—

## LICENSING FUND.—RECEIPTS AND EXPENDITURE, 1908-9.

RECEIPTS.			EXPENDITURE.		
	£	s. d.		£	s. d.
Balance from last year ... ..			Expenses of Officers carrying out the Licensing Act ... ..	6,477	4 3
Licences ... ..	95,784	10 9	Cost of taking poll of electors ... ..	29	9 7
Fees ... ..	3,168	8 6	Equivalent to municipalities (see previous table) ... ..	84,544	5 11
Fines ... ..	2,698	4 6	Transferred to Police Superannuation Fund under section 108 of Act No. 2068	15,173	19 11
Sale of confiscated liquor ... ..	6	1 0			
Club certificates and percentage fees ... ..	1,085	9 7			
Permits ... ..	2,250	0 0			
Expenses of holding extended annual sitting of court ... ..	11	10 3			
Compensation assessments ... ..	1,223	15 4			
	£106,227	19 11		£106,227	19 11

## MUNICIPAL LOANS.

In connexion with loans raised by municipalities, Section 375 of the *Local Government Act 1903* provides that when any municipality incurs a loan and the debentures are payable in different

years, the council shall obtain from the Auditor-General a certificate, in writing, that the amounts proposed to be provided in each year will be sufficient to pay all principal moneys and interest as they fall due. The repayments of principal have to be so provided for, that each year of the currency of the loan shall bear its full share towards liquidation.

Municipal indebtedness.

The total loan indebtedness of the municipalities at the end of their financial year was £4,416,103, due to the Government and the public respectively as follows:—

#### MUNICIPAL INDEBTEDNESS, 1909.

	Due to the Government.		Due to the Public	
	£		£	
Cities, Towns, and Boroughs ...	125,890		3,705,982	
Shires ... ..	99,399		484,832	
	225,289		4,190,814	
Total ... ..	4,416,103			

#### MUNICIPAL LOAN RECEIPTS AND EXPENDITURE, 1909.

	Cities, Towns, and Boroughs.	Shires.	Total.
	£	£	£
Receipts during the year ... ..	10,537	26,116	36,653
Balance unexpended from previous year ...	208,316	15,868	224,184
Expenditure during the year ... ..	127,121	26,864	153,985
Balance unexpended at the end of 1909 ...	91,732	15,120	106,852

Municipal loan expenditure, 1905 to 1909.

The municipal expenditure of loan moneys during the year 1909 amounted to £153,985, of which £127,121 was spent by cities, towns, and boroughs, and £26,864 by shires. This is less than the amount for the preceding year, but nearly double the sum spent in each of the years 1905 and 1906.

#### MUNICIPAL LOAN RECEIPTS AND EXPENDITURE: RETURN FOR FIVE YEARS.

Year.	Receipts.	Expenditure.
	£	£
1905 ... ..	33,313	84,845
1906 ... ..	270,279	84,081
1907 ... ..	123,446	141,587
1908 ... ..	47,600	157,255
1909 ... ..	36,653	153,985

Loans raised by municipalities, 1909.

The total loan receipts for the year amounted to £36,653, all of which was raised from the public. The municipalities of Collingwood, Echuca, Hampden, and Poowong and Jeetho floated the loans locally, but the remaining districts were accommodated in Melbourne. The following are the particulars:—

## LOAN RECEIPTS BY MUNICIPALITIES, 1909.

Loans from the Public—		Amount.
Cities, Towns, and Boroughs—		£
Collingwood	...	3,001
Daylesford	...	2,000
Echuca	...	400
Malvern	...	3,500
Oakleigh	...	1,636
Total	...	10,537
Shires—		
Benalla	...	3,630
Bulla	...	5,000
Hampden	...	7,001
Lillydale	...	2,628
Moorabbin	...	3,000
Mulgrave	...	1,641
Nunawading	...	725
Poowong and Jeetho	...	2,491
Total	...	26,116
Grand Total	...	36,653

At the end of the year 1908-9 the total amount of loan money in hand was £106,852—£91,732 to the credit of cities, towns, and boroughs, and £15,120 to the credit of shires. The following return shows the municipalities having such credits, and the amounts thereof:—

Loan  
moneys to  
the credit  
of municipa-  
lities,  
1909.

## LOANS UNEXPENDED IN MUNICIPALITIES, 1909.

CITIES, TOWNS, AND BOROUGHS—		£	SHIRES—		£
Ballarat	...	2,176	Bulla	...	491
Brunswick	...	3,572	Dimboola	...	290
Camberwell	...	4,609	Fern Tree Gully	...	173
Coburg	...	291	Heidelberg	...	389
Collingwood	...	528	Kerang	...	1,500
Creswick	...	204	Lillydale	...	310
Daylesford	...	960	Mildura	...	1,626
Essendon	...	1,070	Minhamite	...	388
Fitzroy	...	876	Moorabbin	...	1,604
Footscray	...	15,413	Morwell	...	65
Hamilton	...	7,797	Mulgrave	...	308
Inglewood	...	800	Narracan	...	351
Kew	...	785	Numurkah	...	1,278
Malvern	...	1,677	Nunawading	...	1,125
Maryborough	...	365	Omeo	...	1,240
Melbourne	...	14,627	Phillip Island and Woolamai	...	1,641
Northcote	...	2,385	Poowong and Jeetho	...	2,341
Port Melbourne	...	4,035			
Prahran	...	17,829	- Total Shires	...	15,120
Queenscliff	...	133			
Sale	...	214			
South Melbourne	...	3,244			
St. Kilda	...	6,995			
Wangaratta	...	195			
Williamstown	...	952			
Total Cities, &c.	...	91,732	Grand Total	...	106,852

RECEIPTS AND EXPENDITURE OF THE CITIES OF MELBOURNE,  
BALLARAT, AND BENDIGO.

Particulars of the receipts and expenditure for 1909 of the City of Melbourne and of the principal cities in the country—Ballarat and Bendigo—are given in the following statements:—

City of  
Melbourne  
revenue  
and expen-  
diture  
under  
various  
heads.

Of the total revenue of the City of Melbourne in 1909, about 34 per cent. was derived from rates, 27 per cent. from the sale of electric light, about 14 per cent. from the rental of city property—chiefly markets and shops—13 per cent. from market and weigh-bridge fees, 5 per cent. from licences, and 7 per cent. from other sources. For public works maintenance, such as roads and bridges, markets, abattoirs, &c., about 27 per cent. of the total expenditure was incurred; for interest on loans and expenses, 21 per cent.; for repayment of loans and payments to sinking funds, 25 per cent.; for the electric light service, 8 per cent.; for street cleansing, 8 per cent.; for salaries, allowances, and commissions, 6 per cent.; and for miscellaneous expenditure, 5 per cent.

CITY OF MELBOURNE: REVENUE AND EXPENDITURE, 1909.

Heads of Revenue.	Amount.
Rates—	£
General .. .. .	87,171
Lighting .. .. .	28,227
Licences—	
Publicans—Equivalent for—From Licensing Act ..	13,354
Abattoirs—Slaughtering fees .. .. .	2,111
Drays, Hackney Carriages, and Trams .. .. .	1,451
Other Licences .. .. .	318
Fees under Dog Act .. .. .	1,119
City Baths .. .. .	2,819
Market and Weighbridge Fees .. .. .	43,709
Lighting—Sale of Electric Current and Rent of Meters, &c. ..	90,172
Fines and Costs .. .. .	1,182
Rents—	
Abattoirs .. .. .	7,723
Markets and Shops .. .. .	34,213
Boat Sites and Shops .. .. .	243
Town Hall Premises and Rooms .. .. .	4,662
Interest on Fixed Deposits, &c. ... .. .	5,832
Miscellaneous—	
Desiccators .. .. .	5,780
Public Conveniences, Cleansing Streets, &c. ... .. .	2,931
Tree Planting .. .. .	270
Fees under Building Act .. .. .	858
Sundries .. .. .	3,513
Total .. .. .	337,658



CITY OF MELBOURNE: REVENUE AND EXPENDITURE, 1909—  
*continued.*

Heads of Expenditure.	Amount.
Salaries (including clerical assistance, expenses of audit, collection of statistics, making valuation, and commissions paid in lieu of salaries, &c.)	£ 17,768
Allowance to Mayor	1,500
Closet Cleansing and Sanitary Works	560
Street Cleansing, &c.	26,934
Electric Lighting—Maintenance	27,312
Fire Brigades Board—Contribution	5,514
<b>Public Works—Maintenance—</b>	
Roads and Bridges	43,943
Markets and Weighbridges	20,713
Public Buildings (including Abattoirs, Baths, &c.)	16,576
Parks and Planting Trees in Streets	7,757
Repayment of Loan	15,000
Interest on Loans from the Government	240
"    "    Public	70,315
Payment towards Redemption of Government Loan	210
Sinking Funds—Loans from the Public	11,921
Electric Supply—Sinking, Depreciation, and Renewals Fund	57,686
Expenses of paying Interest on Loans	623
Interest on Bank Overdrafts	1,068
Contributions to Charitable Institutions	1,250
"    "    Infectious Diseases Hospital	1,704
Law Costs	722
Printing, Advertising, and Stationery	1,316
<b>Miscellaneous—</b>	
Rat Destruction	308
Gas Conferences	199
Fees—Dog Act	521
Insurance and Guarantee Premiums	1,357
Elections	119
Analyst's salary	188
Sundries	1,714
<b>Total</b>	<b>335,038</b>

City of  
Ballarat  
revenue  
and expen-  
diture,  
1909.

Of the total revenue received by the City of Ballarat in 1909, about 57 per cent. was obtained from rates, 10 per cent. from licences, 12 per cent. from sanitary rates, 10 per cent. from market and weigh-bridge dues, 4 per cent. from rents, and 7 per cent. from all other receipts. The expenditure was incurred in connection with the following services:—48 per cent. for public works, 8 per cent. for interest and redemption of loans, 11 per cent. for sanitary work, 8 per cent. for lighting, 8 per cent. for salaries and allowances, 7 per cent. for street cleaning, &c., and 10 per cent. for all other items.

CITY OF BALLARAT: REVENUE AND EXPENDITURE FOR THE YEAR  
ENDED 30TH SEPTEMBER, 1909.

Revenue.	Amount.	Expenditure.	Amount.
	£		£
Special Grants—From Government ... ..	250	Salaries ... ..	2,145
General Rates ... ..	16,766	Allowance to Mayor ... ..	400
Licences—From Licensing Fund... ..	2,884	Sanitary Expenses ... ..	3,437
"    Other ... ..	199	Street Cleaning, &c. ... ..	2,071
Market and Weighbridge Dues ... ..	12,844	Lighting ... ..	2,456
Contributions for Formation of Private Streets, Roads, Lanes, &c. ... ..	569	Fire Brigades Board—Contribution ... ..	571
Dog Fees ... ..	270	Public Works—	
Pound Fees ... ..	94	Construction ... ..	2,149
Closet Cleansing and Sanitary Rates and Fees ... ..	3,599	Maintenance ... ..	12,422
Rents ... ..	1,295	Repayments of Loans—	
Interest ... ..	130	To the Public ... ..	400
Botanic Gardens ... ..	281	"    Government ... ..	350
Other Sources ... ..	360	Payment to Sinking Funds—	
		Loans from the Public ... ..	241
		Interest—Government Loan ... ..	197
		"    Loans from the Public ... ..	1,158
		Contributions to Charitable Institutions ... ..	344
		Printing, Advertising, and Stationery ... ..	366
		Libraries, Museums, &c. ... ..	431
		Other Expenditure ... ..	1,265
Total ... ..	£29,541	Total ... ..	£30,403

Revenue  
and expen-  
diture of  
City of  
Bendigo,  
1909.

In the City of Bendigo, in 1909, the following were the proportions of total revenue obtained under the different headings:—General rates, 47 per cent.; licences, 12 per cent.; sanitary rates and fees, 18 per cent.; market and weighbridge dues, 10 per cent.; rents, 7 per cent.; and other sources, 6 per cent. The proportions of the total expenditure on various services were:—Public works, construction and maintenance, 43 per cent.; sanitary expenses, 17 per cent.; interest on loans and payments to sinking funds, 7 per cent.; salaries and allowances, 6 per cent.; lighting, 9 per cent.; street cleansing, 7 per cent.; and miscellaneous expenditure, 11 per cent.

CITY OF BENDIGO: REVENUE AND EXPENDITURE FOR THE YEAR  
ENDED 30TH SEPTEMBER, 1909.

Revenue.	Amount.	Expenditure.	Amount.
	£		£
Special Grants--From Government ... ..	137	Salaries ... ..	1,693
General Rates ... ..	15,604	Allowance to Mayor ... ..	400
Licences--From Licensing Fund ... ..	3,636	Sanitary Expenses ... ..	5,694
"    Other ... ..	288	Street Cleansing ... ..	2,390
Market and Weighbridge Dues ... ..	3,203	Lighting ... ..	2,840
Dog Fees ... ..	337	Fire Brigades Board--Contribution ... ..	597
Closet Cleansing and Sanitary Rates and Fees ... ..	6,002	Public Works--	
Rents ... ..	2,419	Construction ... ..	2,399
Interest ... ..	253	Maintenance ... ..	11,829
Sports Ground ... ..	539	Payment to Sinking Funds --Loans from the Public ... ..	979
Other Sources ... ..	629	Interest on Loans from the Public ... ..	990
		"    Bank Overdraft Contributions to Charitable Institutions ... ..	217
		Libraries ... ..	386
		Law Costs ... ..	314
		Other Expenditure ... ..	158
			2,047
Total ... ..	£33,047	Total ... ..	£32,933

## MUNICIPAL OFFICERS' FIDELITY GUARANTEE FUND.

An Act was passed in 1907 (No. 2080) incorporating the Municipal Association of Victoria, and authorizing it to institute a "Municipal Officers' Fidelity Guarantee Fund," which, however, could not be established until three-fifths of the municipalities in Victoria had agreed in writing to contribute to the fund. The amount to be contributed by any municipality is not to be less than that payable in 1907 for a like guarantee to any incorporated company or society in Victoria. When the fund reaches £3,500 the rates of contribution may be altered, so that it will be maintained at that sum, and in the event of the amount at credit being at any time insufficient to pay all liabilities and expenses, every municipality must, *pro ratâ* to its contributions, make up the difference. If the association determines to discontinue business, the funds are to be divided proportionately to the sums contributed by each municipal district during the preceding five years. Payment of contributions is to be made within one month after a written notification has been sent by the secretary. Full and accurate accounts are to be kept of all moneys received and expended, and of the details of the transactions. A balance-sheet, made up to the 30th September of each year, must be prepared, exhibiting a true statement of receipts and expenditure and the balance to the credit of the fund.

Municipal  
Officers'  
Guarantee  
Fund.

More than the required number of municipalities agreed to cooperate, and the fund was inaugurated on 1st January, 1908. The published report and financial statement for the period ended 30th September, 1909, showed in relation to the guarantee policies which

had been applied for and granted to the whole of the municipalities constituted under the Local Government Act that 236 policies had been issued in respect of 884 officers for sums aggregating £145,805.

The premiums received during the year amounted to £790. The amount to the credit of the fund on 30th September, 1909 (including amount invested in purchase of debentures, £875, and accrued interest thereon), was £1,682.

#### MELBOURNE HARBOR TRUST.

Melbourne  
Harbor  
Trust—  
receipts  
and expen-  
diture.

The Melbourne Harbor Trust is a corporate body established in 1876 to regulate, manage, and improve the Port of Melbourne and portions of the Yarra and Saltwater Rivers adjacent, for which purpose certain lands and properties are vested in seventeen Commissioners, two of whom are elected by the Melbourne City Council, one each by the ratepayers of the municipalities of South Melbourne, Port Melbourne, Williamstown, and Footscray, three by the owners of ships registered at Melbourne, three by merchants and traders paying wharfage rates, and five by the Governor in Council. The following are particulars of the receipts and expenditure during each of the last five years:—

#### MELBOURNE HARBOR TRUST.—ORDINARY RECEIPTS AND EXPENDITURE: 1905 TO 1909.

Receipts from—	1905.	1906.	1907.	1908.	1909.
	£	£	£	£	£
Wharfage Rates ...	167,727	188,337	191,762	203,466	193,027
Rents and Licence Fees ...	12,361	12,857	12,544	12,763	13,001
Other Receipts ...	9,895	7,261	9,955	6,094	4,541
<b>Total ...</b>	<b>189,983</b>	<b>208,455</b>	<b>214,261</b>	<b>222,323</b>	<b>210,569</b>
Expenditure on—					
Plant ...	..	..	11,310	13,753	11,887
Harbor Improvements and Maintenance ...	27,213	27,828	35,084	45,944	47,808
Wharfs, &c.—Construction and Maintenance ...	19,443	19,839	30,019	28,810	22,339
General Management, &c. ...	12,700	13,056	14,145	14,096	15,847
Interest on Loans and Expenses ...	86,630	86,530	86,375	82,015	72,517
<b>Total ...</b>	<b>145,986</b>	<b>147,253</b>	<b>176,933</b>	<b>181,618</b>	<b>170,398</b>

During the 32½ years the Trust has been in existence the net receipts have amounted to £4,851,232 and the expenditure to £6,558,227, or £1,706,995 in excess of the receipts, to meet which loans have been raised amounting to £2,000,000, of which £1,700,000 was outstanding at the end of 1909. Of the expenditure of over 6½ millions, £2,064,929 has been incurred in connexion with harbour improvements and maintenance, including dredging, landing, and depositing silt, £1,544,448 in connexion with wharfs and approaches, construction and maintenance, and £570,299 in connexion with plant.

An Act to provide for the construction of works in connexion with the harbor at Geelong was passed on 12th December, 1905. This measure made provision for the constitution of the Geelong Harbor Trust and the appointment of three commissioners, the chairman to receive £400 per annum, and each of the other commissioners, £200 per annum. The management of the port and shipping is vested in the commissioners, and one-fifth of the total revenue received by the Trust is to be paid to the Government. Power is given to the Trust to borrow £400,000 and to issue debentures, which may be made payable in London or Melbourne. The following is a summary of the receipts and expenditure since the constitution of the Trust; the expenditure includes loan moneys, of which £200,000 had been raised to the end of 1909:—

Geelong  
Harbor  
Trust—re-  
ceipts and  
expendi-  
ture.

GEELONG HARBOR TRUST: RECEIPTS AND EXPENDITURE.

Receipts (excluding loans) from—	1906.	1907.	1908.	1909.
	£	£	£	£
Wharfage Rates* ... ..	9,097	8,182	8,854	9,623
Sales ... ..	97	877	2,767	3,298
Leasing and Licensing of Lands ... ..	941	1,199	1,282	1,634
Interest ... ..	...	1,464	226	1,199
Miscellaneous ... ..	732	1,553	1,464	3,462
<b>Total ... ..</b>	<b>10,867</b>	<b>13,275</b>	<b>14,593</b>	<b>19,216</b>
<b>Expenditure (including loan expenditure) on—</b>				
Plant ... ..	33,679	8,865	6,071	1,699
Harbor Improvements ... ..	2,093	18,011	8,407	18,530
General Management & Maintenance	4,361	6,972	8,153	12,933
Land and Property ... ..	12,612	15,362	21,897	74,889
Interest and Sinking Fund ... ..	909	4,567	5,000	4,961
Miscellaneous ... ..	2,797	680	1,928	5,137
<b>Total ... ..</b>	<b>56,451</b>	<b>54,457</b>	<b>51,456</b>	<b>118,149</b>

\* These figures represent four-fifths of the total wharfage and quayage rates.

THE MELBOURNE AND METROPOLITAN BOARD OF WORKS.

The district over which the Board exercises control consists of eleven cities, seven towns, two boroughs, one shire, and parts of three other shires—or 24 municipalities in all, embracing a total area of 90,821 acres, and containing an estimated population on 31st December, 1909, of 553,880. The annual value of rateable property in the district in 1909 was £5,142,014, which, at 1s. 1d. in the £1 for sewerage rate, the rate levied by the Board, would yield a revenue of £278,526 (exclusive of water rates), but as the whole of the district has not yet been sewered the amount receivable is only £238,092. From 1st July, 1906, the Board is empowered to levy a sewerage rate not exceeding 1s. 2d. in the £1.

Area under  
control and  
value of  
property.

To carry out its work, the Board is authorized to borrow £8,750,000, exclusive of loans amounting to £2,389,934, which were originally contracted by the Government, but taken over by the Board. The liability for Government loans on 30th June, 1909, was £1,688,663, and for loans raised by the Board £8,451,000. The

Liability on  
loans.

Board is still empowered to borrow £1,000,271 before the limit of its borrowing powers is reached.

Water and  
sewerage  
rates.

The water rate levied by The Melbourne and Metropolitan Board of Works is 7d. in the £1, on the annual value of property, with an excess charge of 1s. per 1,000 gallons, assessments of £17 and under being charged a minimum of 10s. per annum. The charge for water by meter is 1s. per 1,000 gallons. In 1908-9 the water rate receipts, including meter consumption, amounted to £228,404, and the receipts from meters to £106,057. The sewerage rate is 1s. 1d. in the £1 on sewered and 2d. in the £1 on sewerable property within the area.

Melbourne  
Water-  
works.

The waterworks for the service of Melbourne and suburbs were originally constructed by the General Government. The cost to 30th June, 1909, was £3,891,555. At the present time, these works consist of two storage and eight service reservoirs, as under:—

Situation.	Storage Capacity in gallons.	Situation.	Storage Capacity in gallons.
Yan Yean ...	6,400,000,000	Caulfield ...	10,000,000
Toorourrong ...	60,000,000	Kew ...	3,000,000
Preston, No. 1 ...	16,000,000	Surrey Hills ...	9,000,000
„ No. 2 ...	25,000,000	Morang (Pipe Head) ...	3,000,000
Essendon, No. 1 ...	1,000,000		
„ No. 2 ...	6,000,000	Total	6,533,000,000

The transfer of these works to the control of The Melbourne and Metropolitan Board was made in 1891. The Board consists of 40 members, one of whom is a Chairman elected every four years by the other members, the retiring Chairman being eligible for re-election. The members are elected every three years as follows:—Nine by the Melbourne City Council, four by the South Melbourne, three by the Prahran, two each by the Fitzroy, Richmond, Collingwood, and St. Kilda, and one each by the other fifteen suburban municipal councils. In 1891, the rateable property within the area to be served was valued at £6,866,313, of which about £1,000,000 related to vacant land. The collapse of the land boom was followed by a heavy shrinkage in the value of rateable property. A partial recovery in values has taken place, and the total assessments, inclusive of those on vacant land, now reach £5,142,014. The main source of supply is the Yan Yean system. It commences by collecting the waters of the eastern branch of the Plenty River and Jack's Creek, from the southern slopes of the Great Dividing Range, and those of Wallaby and Silver creeks, brought over the range in an aqueduct from the northern slopes. These streams are collected in the Toorourrong Reservoir, and taken thence in a pitched channel to the Yan Yean Reservoir. The Yan Yean is an artificial lake situated 22 miles from the city, 602 feet above sea-level. It covers an area of 1,360 acres, or 2½ square miles, has a maximum depth of 26 feet, and an average depth of 18 feet. The maximum depth of water in this reservoir in 1909 was 25ft. 11¾in. on 26th September, and the minimum depth was 14ft. 11¾in. on 19th April. The mean evaporation from the surface of the reservoir is equal to a total depth of 3 feet during the year. From the Reservoir to Morang an open aqueduct delivers 33,000,000 gallons per day. A second supply is brought to Melbourne by means of the

Maroondah Aqueduct, which conveys water from the Maroondah River, the Graceburn, Donnelly's Creek, and Coranderrk Creek, and is known as the Maroondah system. The aqueduct, owing to recent improvements, is now capable of delivering 30,000,000 gallons daily. A new scour main from the Preston Reservoir has also been completed, at a cost of £5,000. By means of these systems, Melbourne is provided with an ample supply of pure water at a high pressure. The total catchment areas for both systems aggregate 69,000 acres, the whole of which is under the control of the Board, and free from settlement or grazing. The Water Supply Committee of The Melbourne and Metropolitan Board of Works has recommended the augmentation of the catchment area by permanently reserving two areas amounting in all to 140 square miles—the one comprising the Upper Yarra watershed, 81 square miles in area, the other comprising the O'Shanassy River district, 59 square miles in extent. Besides the Yan Yean and Maroondah systems the high levels of the eastern suburbs of Melbourne are provided for by a direct main from the Yan Yean Reservoir, known as the high-level system. The discharge is about 9,000,000 gallons per day. The total maximum present supply that can be sent into Melbourne and suburbs is 72,000,000 gallons daily. Up to 31st December, 1909, the following services were laid:—Mains (12-in. to 54-in.), 190 miles, and reticulation mains (below 12-in.), 1,051 miles, in addition to 81 miles of aqueducts and syphons, or a total length of aqueducts, &c., mains and pipes of 1,322 miles.

The average number of the population supplied with water during 1909 was 549,200, and the average daily consumption was 60 gallons per head. Some districts are supplied outside the Board's area. The total consumption and average consumption per day are shown hereunder for each month during 1909:—

Consumption of water in Melbourne and Suburbs.

TOTAL AND DAILY AVERAGE CONSUMPTION OF WATER IN MELBOURNE AND SUBURBS DURING EACH MONTH OF THE YEAR, 1909.

Month.	Total Consumption of Water.	Daily Average Consumption of Water.
	Gallons.	Gallons.
January ... ..	1,147,093,000	37,003,000
February ... ..	1,132,488,000	40,446,000
March ... ..	1,089,123,000	35,133,000
April ... ..	956,160,000	31,872,000
May ... ..	843,944,000	27,224,000
June ... ..	856,380,000	28,546,000
July ... ..	845,835,000	27,285,000
August ... ..	850,299,000	27,429,000
September ... ..	874,440,000	29,148,000
October ... ..	1,074,925,000	34,675,000
November ... ..	1,214,430,000	40,481,000
December ... ..	1,177,163,000	37,973,000
Total for year ... ..	12,062,280,000	...
Daily average ... ..	...	33,047,340

In the year ended 31st December, 1909, the intake of the Yan Yean Reservoir was 6,274,458,000 gallons, and the total output was 3,737,616,000 gallons, exclusive of loss by evaporation. The lowest recorded intake was 3,877,833,000 gallons for the twelve months ended 31st December, 1908.

The following table shows for each year since the establishment of the Board in 1891 the daily average consumption of water, and the daily average per head:—

DAILY AVERAGE QUANTITY OF WATER CONSUMED IN MELBOURNE AND SUBURBS, 1891 TO 1909.

Year.	Population supplied with Water to 30th June.	Tenements Connected with Sewerage System to 31st December.	Daily Average of Annual Consumption of Water to 31st December.	No. of Gallons of Water per Head Daily.
			Gallons.	
1891	482,600	...	25,747,761	53.35
1892	480,620	...	23,476,780	48.85
1893	456,390	...	24,290,041	53.22
1894	440,560	...	27,071,106	61.45
1895	444,340	...	26,689,683	60.07
1896	450,750	...	23,837,695	52.90
1897	456,800	764	24,665,607	54.00
1898	465,350	7,584	28,253,294	60.71
1899	478,800	21,327	27,068,465	56.53
1900	487,950	33,795	28,230,690	57.86
1901	492,300	43,353	29,427,589	59.80
1902	501,580	51,241	29,080,027	57.98
1903	501,610	60,305	28,858,633	57.53
1904	501,460	68,361	29,523,153	58.87
1905	508,450	75,328	32,400,286	63.72
1906	515,350	83,930	33,479,900	64.96
1907	526,400	91,272	35,212,222	66.89
1908	538,000	96,930	31,559,830	58.66
1909	549,200	103,008	33,047,340	60.17

Revenue and expenditure of Melbourne Waterworks.

The total cost to 30th June, 1909, of the construction of the Melbourne Waterworks was £3,891,555. The gross revenue since the opening of the works at the end of 1857 up to 30th June, 1909, amounted to £6,395,043, whilst the expenses of maintenance and management amounted to only £1,085,773, and interest to £2,862,849. During 1908-9 the revenue amounted to £235,237 as against £233,549 in the previous year; and the expenditure on maintenance and management to £41,775, and interest to £102,281, as against £41,656 and £100,915 respectively in that year. The net profit in 1908-9 was thus £91,181, being equivalent to 2.34 per cent. of the mean capital cost, as compared with £90,978 or 2.37



per cent. in 1907-8. The aggregate net profit up to the end of 1908-9, after paying all interest and expenses, was £2,446,421.

While the Board took over from the Government the branch which had the management of the Melbourne water supply, still the chief object of its creation was to carry out an efficient system of sewerage in the metropolitan area. Particulars of the system are as follows:—

Sewerage system.

The whole of the sewerage of the metropolis is being gradually collected by means of two principal main sewers and a subsidiary main leading to the pumping station at Spotswood.

The two main sewers are—

“ A.”—The North Yarra main sewer (North Yarra system) which commences with Heidelberg (part of), and thence takes up Preston, Coburg, Northcote, Brunswick, the Clifton Hill part of Collingwood, also Fitzroy, and the North Carlton, North Melbourne, and Flemington and Kensington parts of Melbourne, together with Essendon and Footscray.

“ B.”—The Hobson's Bay main sewer (South Yarra system) which starts with Moorabbin (part of), and picks up Brighton, Caulfield, Malvern, St. Kilda, Nunawading (part of), Kew, Hawthorn, Prahran, South Melbourne, Port Melbourne, Richmond, the remaining part of Collingwood, also East Melbourne and other remaining parts of Melbourne.

The subsidiary main, which takes in Williamstown, joins the Hobson's Bay main before it enters the pumping station.

On 31st December, 1909, the sewerage system, including mains, branches, reticulation sewers, and drains had been laid in the following districts:—Port Melbourne, South Melbourne, Melbourne (except very small portions in Flemington and Kensington), Richmond, Prahran, and Collingwood, together with very nearly the whole of Fitzroy and St. Kilda. Reticulation extensions had also been laid from time to time in various portions of the above districts. A large portion of Brighton, Caulfield, Malvern, Camberwell, Kew, Hawthorn, Brunswick, Northcote, Essendon, Footscray, and Williamstown had likewise been dealt with, also a portion of Moorabbin. Work is now proceeding rapidly in Moorabbin (part of), St. Kilda, Brighton, Caulfield, Malvern, Hawthorn, Nunawading (part of), Fitzroy, Brunswick, Northcote, Flemington and Kensington (Melbourne), Footscray, and Williamstown. The whole of the sewerage work still remains to be done in Preston, Coburg, and Heidelberg (part of), and a considerable portion in Williamstown, Footscray, Essendon, Northcote, Brunswick, Nunawading (part of), Kew, Camberwell, Caulfield, and Moorabbin (part of). In addition to these about half of the Malvern district is unfinished, with smaller portions in Brighton and Hawthorn, and very small portions in Flemington and Kensington (Melbourne), Fitzroy, and St. Kilda. In all 1,064 $\frac{1}{4}$  miles of reticulation and 110 $\frac{1}{2}$  miles of mains and branch sewers have been completed. There are also 1,563 $\frac{1}{2}$

miles of house connexions drains laid (1,556 $\frac{1}{4}$  miles of vitrified stoneware and 7 $\frac{1}{4}$  miles of cast-iron pipes) under the supervision of the Board, or a total of 2,738 $\frac{1}{4}$  miles of mains, branches, reticulation sewers and house connexions drains connected with the pumping station at Spotswood.

The system was so far advanced on 31st December, 1909, that on that date the sewage from 109,013 tenements could be collected. Of these 103,008 tenements were connected, together with 35 public conveniences, 50 public urinals, 116,542 water closets, 82,355 baths, 62,288 sinks, 54,678 sets of wash troughs, 26,544 lavatories, 11,512 stables, 7,109 urinals, 4,111 polluted areas and paved yards, 1,697 cellars, 899 slop hoppers, 263 latrines, and 227 dairies.

When collected at Spotswood the sewage is raised 125 feet to the head of the outfall sewer through 2 $\frac{3}{4}$  miles of 6-ft. and 4-ft. wrought-iron rising mains, whence it gravitates to the farm in a partly-open and partly-closed channel 15 $\frac{3}{8}$  miles long, of 11 feet diameter, and having a grade of 2 feet to the mile. It is then spread over properly-prepared blocks of land by a series of main and lateral carriers. The effluent after filtering through the land is discharged into Port Phillip Bay in a clear and transparent condition.

Prepared blocks on the farm are laid down with prairie grass and lucerne, on 4,000 acres of which during the financial year ended 30th June, 1909, 22,047 sheep were fattened and sold, while on 76 acres cattle and horses were grazed for agistment. The transactions in sheep during the period mentioned resulted in a profit of £6,029.

The fees received for grazing amounted to £716. Of the whole farm area of 8,847 acres there remain 2,106 acres, comprising land in course of preparation, plantations, roads, drains, &c., and 2,665 acres not used in connexion with sewage distribution, but let on lease to farmers at an average rental of 15s. 1 $\frac{1}{2}$ d. per acre.

The cost of sewerage works and house connexions up to 30th June, 1909, was £5,921,069, divided as follows:—

Farm purchase and preparation ... ..	£447,440
Outfall sewer and rising mains ... ..	371,967
Pumping Station buildings and engines ... ..	174,779
Main and branch sewers ... ..	1,828,794
Street reticulation ... ..	1,610,246
Reticulation of rights-of-way ... ..	736,363
House connexions branches ... ..	264,699
Cost of house connexions to capital ... ..	306,915

Expenditure on sewerage system ... ..	£5,741,203
Householders' debts for house connexions ... ..	179,866

Total ... ..	£5,921,069
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Sewerage  
works  
receipts  
and expen-  
diture.

The sewerage receipts for 1908-9 amounted to £280,377, of which £233,595 was collected in rates, £22,153 represented proceeds of sale of live stock, and £15,929 was interest. The expenditure on the purchase of live stock amounted to £20,316, that on interest to £332,779, and that on maintenance of works to £38,016.

On 31st December, 1909, out of 109,013 tenements that could be connected with the sewerage system, 103,008 had been connected, and 1,463 were in progress of connexion, leaving 6,005 houses which had not been completely connected, and 4,542 which had not been started. The maximum cost of the sewerage of a single building in work carried out by the Board was £1,208 for the Women's Hospital, and the minimum was £7 11s. 5d., for a house in South Melbourne. The average cost per tenement was £23 18s. 4d. The following statement shows the progress of house connexions to the 31st December, 1909:—

Houses connected with the sewerage system.

PROGRESS OF HOUSE CONNEXIONS WITH THE SEWERAGE SYSTEM IN MELBOURNE AND SUBURBS.

Municipality.	No. of Tenements on 31st December, 1909, in gazetted areas.		
	Connected.	Not Connected.	Total.
Melbourne City ... ..	24,528	350	24,878
Fitzroy City ... ..	7,226	82	7,308
Collingwood City ... ..	7,593	168	7,761
Richmond City ... ..	9,068	136	9,204
Brunswick City ... ..	3,896	959	4,855
Northcote Town ... ..	880	1,168	2,048
Prahran City ... ..	10,234	146	10,380
South Melbourne City ... ..	9,996	189	10,185
Port Melbourne Town ... ..	2,763	43	2,806
St. Kilda City ... ..	4,886	120	5,006
Brighton Town ... ..	1,816	295	2,111
Essendon City* ... ..	2,741	671	3,412
Hawthorn City ... ..	5,210	80	5,290
Kew Borough ... ..	1,290	62	1,352
Footscray City ... ..	4,156	183	4,339
Williamstown Town ... ..	907	807	1,714
Caulfield Town ... ..	1,774	150	1,924
Malvern Town ... ..	2,274	313	2,587
Camberwell Town ... ..	1,589	83	1,672
Preston Shire ... ..	...	...	...
Coburg Borough ... ..	...	...	...
Moorabbin Shire (part of) ... ..	...	...	...
Nunawading Shire ,, ... ..	...	...	...
Heidelberg Shire ,, ... ..	...	...	...
Total in Gazetted Areas ... ..	102,827	6,005	108,832
Total outside Gazetted Areas ... ..	181	...	181
Grand Total ... ..	103,008	6,005	109,013

\* Essendon was constituted a city on 8th April, 1909.

Total  
Receipts  
and Expen-  
diture.

The following is a statement of receipts and expenditure during the five years 1904-5 to 1908-9, exclusive of refunds, deposits, &c., included in the figures quoted in preceding paragraphs:—

MELBOURNE AND METROPOLITAN BOARD OF WORKS REVENUE AND EXPENDITURE: 1904-5 TO 1908-9.

	1904-5.	1905-6.	1906-7.	1907-8.	1908-9.
<i>Ordinary Receipts.</i>	£	£	£	£	£
Water Supply ... ..	180,632	184,821	213,500	228,160	239,870
Sewerage ... ..	203,809	234,028	263,449	265,607	264,122
<b>Total ... ..</b>	<b>390,441</b>	<b>418,849</b>	<b>476,949</b>	<b>493,767</b>	<b>503,992</b>
<i>Ordinary Expenditure.</i>					
Management ... ..	55,012	60,035	78,360	74,804	54,301
Maintenance—					
Water Supply ... ..	18,846	18,742	20,196	23,503	22,724
Sewerage ... ..	26,680	28,625	33,083	35,454	37,688
Interest on Loans ... ..	315,872	336,288	345,315	354,483	363,999
<b>Total ... ..</b>	<b>416,410</b>	<b>443,740</b>	<b>476,954</b>	<b>488,244</b>	<b>481,712</b>
<i>Loan Receipts ... ..</i>	185,735	342,920	394,672	311,446	424,030
<i>Loan Expenditure.</i>					
Water Supply ... ..	7,479	14,249	23,535	36,391	64,843
Sewerage ... ..	377,801	331,453	258,058	237,812	205,042
Redemption of Loans ... ..	...	62,630	159,400	...	223,313
Other ... ..	1,231	-3,425*	-3,663*	3,804	12,214
<b>Total ... ..</b>	<b>386,511</b>	<b>404,907</b>	<b>437,330</b>	<b>278,007</b>	<b>505,412</b>

\* Loan expenditure exceeded by receipts by these amounts.

FIRE BRIGADES BOARDS.

Connected with the water service of the State generally, is the service of water required for fire extinction.

Under the *Fire Brigades Act 1890*, there are constituted a metropolitan fire district, controlled by the Metropolitan Fire Brigades Board, and nine country fire districts, controlled by the Country Fire

Constitution  
of Fire  
Brigades  
Boards.

Brigades Board. The supervisors are the chief officers of the respective boards, who are aided by deputies and other assistants.

The arrangements for fire extinction in the metropolis are closely allied to those for the Melbourne water supply, the service having been provided under the clauses of the *Fire Brigades Act* 1890, and its amendments.

The metropolitan fire district embraces the area included in the various municipalities within a radius of ten miles from the General Post Office. The area vested in The Melbourne and Metropolitan Board of Works is included in this area, but the Metropolitan Fire Brigades Board has jurisdiction over portions of the shires of Wyndham, Braybrook, Keilor, Broadmeadows, Heidelberg, Templestowe, Nunawading, Mulgrave, and Moorabbin within the 10-mile radius, not vested in The Melbourne and Metropolitan Board of Works. The Metropolitan Fire District has been extended, and now includes the greater portion of the shire of Moorabbin, and extends in a southerly direction as far as and includes the township of Mordialloc.

The Metropolitan Fire Board is controlled by three members appointed by the Governor in Council, three by the municipal councils, and three by the insurance companies.

For the purpose of extinguishing any fire, the chief officers of the fire brigades may in the areas under their respective control "cause water to be shut off from any main or pipe in order to obtain a greater pressure and supply of water for the purpose of extinguishing any fire, and no persons or body having the management of any water supply shall be liable to any penalty or claim by reason of any interruption of the supply of water occasioned by compliance with the provisions of this section." Powers of the Boards.

Another section of the Fire Brigades Act provides that "each Board, its officers and servants, any local committee, its officers and servants, and any brigade registered under this Act shall have the use of all water mains, water plugs, valves, pipes, vested in or belonging to the Board of Land and Works, or any public or municipal corporation, or local body whatsoever, and of all water therein, or in any well or tank, free of charge, for the purpose of extinguishing any fire, or for the purpose of drills, competitions, and practice, conducted under the authority of either board or any local committee."

Local councils have the right, in the interests of fire prevention, with the approval of the Governor in Council, of making, altering, or repealing by-laws for the purpose of regulating the height of all buildings erected in their own municipality, or in any part of it, and also for providing means of escape from such buildings during a fire.

The general duties of the Fire Brigades Boards are defined to be those "of taking, superintending, and enforcing all necessary steps for the extinguishment of fires, and for the protection of life and

property in case of fire, and the general control of all stations and of all fire brigades shall be vested in the Boards for the metropolis and country districts respectively. The Boards may purchase or lease property for fire brigade stations, and control the formation of permanent and volunteer fire brigades, and schools of instruction, the maintenance of fire alarms, and the establishment of communication, telephonic and other."

The Melbourne and Metropolitan Board of Works under the *Water Act* 1890 must, upon the request of any municipal council within its boundaries, fix proper fire plugs, in the main and other pipes belonging to the Board at convenient distances, and at such places as the Board may consider proper and convenient for the supply of water for extinguishing any fire which may break out within its limits. The cost of fixing fire plugs and notice boards, together with the cost of their maintenance, must be defrayed by the municipal council within whose limits the fire plug is fixed. The Board may also fix fire plugs for private owners, provided they pay the cost and maintenance.

The Melbourne and Metropolitan Board of Works is bound to keep all its pipes, to which fire plugs are affixed, charged with water, unless prevented by unusual drought or other unavoidable cause, or during necessary repairs, and shall allow all persons at all times to take and use such water for extinguishing fires. On 31st December, 1909, it had fixed 1,188 pillar hydrants, 13,759 ball fire plugs, and 135 "Tregear" hydrants, to its 190 miles of leading mains, and 1,051 miles of reticulation mains, and except in case of accident, repairs, or cleaning, these mains are kept constantly full of water under pressure.

The Metropolitan Fire Brigades Board on 31st December, 1909, had under its control the following:—Fifty stations, 200 members of permanent staff, 22 members of special service staff, 7 members of clerical staff, 160 auxiliary firemen, 10 steam fire engines, 4 gasoline engines, 1 chemical engine and hose waggon combined, 2 petrol motor fire engines, 1 motor chemical engine and hose waggon combined, 1 motor salvage waggon and chemical engine combined, 1 chief officer's motor car, 2 manual engines, 40 horse hose reels, 48 hand hose reels, 8 extension ladders and fire escapes, 6 Pompier ladders, 10 exercise and supply carts, 2 salvage vans, 1 brake, 74 horses, 101,043 feet of hose, 46 hand pumps, 3 smoke helmets, 2 smoke jackets, 145 telephones in stations, and 172 fire alarm circuits having 507 street fire alarms, of which 406 contained telephones and the remaining 101 were fire alarms only. The total length of wire in use outside stations for fire alarms and telephones is 342 miles.

During 1909 the cost of maintenance of the Metropolitan Fire Brigade amounted to £56,165, one-third being contributed by each of the contributing bodies, viz., Government of Victoria, municipalities within the Metropolitan Fire District, and the insurance companies carrying on business in that district. The municipalities'

contribution is equal to .78d. in the £1 over an area wherein the property is valued at £5,221,757, and that of the insurance companies is equal to £4 19s. for every £100 of premiums on insured property. The premiums received in the metropolitan fire district in 1908 amounted to £345,308, and the total of the payments made by the companies in 1909 for the maintenance of the fire brigade system was £17,083.

The Country Fire Brigades Board consists of nine members. Three are appointed by the Governor in Council, two are elected by the municipal councils of the districts in which there are brigades registered under the Board, two are elected by the fire insurance companies carrying on business in such districts, and two by the registered fire brigades. The Board annually elects one of its members as president. The tenure of the Board members is two years. The Board's revenue in 1909 was £12,898, and this amount was contributed in equal portions by the Government, the municipal councils, and the insurance companies above mentioned. The expenditure for the year amounted to £13,349. There are 89 municipal councils and 55 insurance companies included in the operation of the Act. The premiums received by the insurance companies in country districts during the year 1908 amounted to £161,854, and the total of their contributions in 1909 for the up-keep of the brigades was £4,180. All brigades under the control of the Board are volunteer brigades, but in the large towns permanent stationkeepers and watchmen are employed. There are 101 registered brigades, and seven more are about to be registered. The number of registered firemen is 2,041, but in many brigades there is, in addition to the registered firemen, a number of "reserve members." The chief officer of the Board frequently inspects the brigades, and also pays them "surprise visits." He reports monthly to the Board as to the efficiency of the service, and upon the equipment necessary to be supplied. In 1909 the chief items of the plant consisted of 5 steam engines, 62 manual engines, 10 horse brakes, 61 apparatus carriages, 3 fire escapes, about 250 hose reels, and approximately 145,000 feet of canvas hose.

Particulars of receipts and expenditure of both Boards during the five years ended 30th June, 1909, are as follows:—

REVENUE AND EXPENDITURE OF FIRE BRIGADES BOARDS:  
RETURN FOR FIVE YEARS.

	1905.	1906.	1907.	1908.	1909.
<i>Ordinary Receipts.</i>	£	£	£	£	£
Contributions — Government, Municipal, and Insurance ...	49,083	50,937	51,934	65,591	64,347
Receipts for Services ...	754	551	1,336	2,833	2,808
Interest and Sundries ...	3,442	3,080	3,116	2,562	1,649
Total ...	53,279	54,568	56,386	70,986	68,904

Country  
Fire  
Brigades  
Board.

Receipts  
and  
ex-  
penditure.

REVENUE AND EXPENDITURE OF FIRE BRIGADES BOARDS: RETURN  
FOR FIVE YEARS—*continued.*

	1905.	1906.	1907.	1908.	1909.
<i>Ordinary Expenditure.</i>	£	£	£	£	£
Salaries ... ..	24,793	25,961	27,411	30,062	35,325
Fire Expenses ... ..	2,990	3,041	3,201	3,080	3,107
Horses, Quarters, &c. ...	10,930	8,994	9,986	12,894	11,636
Plant—Purchase and Re- pairs ... ..	4,589	6,517	5,783	9,478	6,343
Interest ... ..	6,103	5,752	5,803	5,822	5,781
Sinking Fund ... ..	2,250	2,250	2,895	2,895	2,250
Miscellaneous ... ..	2,108	4,310	2,884	5,610	5,072
Total ... ..	53,763	56,825	57,963	69,811	67,514
<i>Loan Expenditure.</i>					
Purchase of Land and Erection of Buildings, &c.	405	3,250	2,623	244	3,203