## MUNICIPAL STATISTICS.

## A statement of the provisions of the laws relating to Legislation. local government appeared in the Year Book for 1928-29 on pages 127 to 131 .

According to building permits issued by the cities in: the metropolitan area during the year ended 30th September, 1930, first place was again occupied by Camberwell as regards the number and value of private dwellings erected. Malvern, Caulfield, Preston, Coburg, and Brighton were ahead of other municipalities in the same period in. the value of dwellings erected. These six cities are popular residential suburbs, and in each there is a large area available for the building of dwellings. The value of shops and faetories, \&c., erected was, as would bee expected, greater in Melbourne City than in any other municipality. The industrial suburbs, Collingwood, Richmond, Brunswick, and Footscray, with comparatively small values, followed in the order mentioned. The following statement shows the particulars for each of the metropolitan municipalities for the year ended 30 th September, 1930, and for the purpose of comparison, the totals for acorresponding period for the years $1928-29$ and 1927-28:-
9340.-12

## BUILDING PERMITS ISSUED FOR NEW BUILDINGS IN greater medbourne during the year Ended 30тн SEPTEMBER, 1930.

| Name of City. | Dwellings. |  | Other Buildings. |  | Alterations and Additions to Existing Buildings. |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number. | Value. | Number. | Value. | Value. |
|  |  | $\pm$ |  | £ | £ |
| Box Hill | 64 | 57,763 | 73 | 7,924 | 3,025 |
| Brighton .. .- | 95 | 105,919 | 214 | 15,507 | 13,086 |
| Brunswick | 107 | 86,200 | 235 | 53,830 | 38,295 |
| Camberwell | 300 | 331,591 | 390 | 24,118 | 43,891 |
| Caulfield | 148 | 145,657 | 43 | 41,969 | 19,064 |
| Coburg | 126 | 106,735 | 221 | 41,260 | 7,550 |
| Collingwood | 9 | 8,420 | 53 | 81,497 | 18,841 |
| Essendon | 91 | 75,528 | 143 | 18,322 | 4,635 |
| Fitzroy | 4 | - 3 -680 | 13 | - 8,580 | 23,432 |
| Footscray | 96 | 59,322 | 29 | 45,478 | 21,783 |
| Hawthorn | 68 | 84,705 | 99 | 12,355 | 14,038 |
| Kew.. | 83 | 104,469 | 112 | 14,363 | 13,850 |
| Malvern | 93 | 151,227 | 215 | 10,425 | 29,938 |
| Melbourne | 8 | 7,489 | 42 | 423,991 | 340,208 |
| Northcote | 63 | 38,730 | 33 | 19,625 | 9,492 |
| Oakleigh | 52 | 40,279 | 9 | 5,720 | 6,035 |
| Port Melbourne | 36 | 27,050 | 46 | 11,090 | 2,100 |
| Prahran | 45 | 87,755 | 86 | 6,961 | 21,643 |
| Preston | 161 | 117,390 | 205 | 5,385 | 7,525 |
| Richmond | 18 | 12,775 | 16 | 57,263 | 37,548 |
| Sandringham | 86 | 77,533 | 123 | 12,412 | 5,208 |
| South Melbourne | 5 | 13,487 | 70 | 21,304 | 22,240 |
| St. Kilda | 97 | 88,121 | 129 | 9,329 | 18,707 |
| Williamstown.. | 43 | 40,915 | 12 | 10,240 | 2,995 |
| Total for year 1929-30 | 1,898 | 1,872,740 | 2,611 | 958,948 | 725,129 |
| Total for year 1928-29 | 3,814 | 3,730,724 | 3,002 | 1,971,618 | 994,342 |
| Total for year 1927-28 | 4,959 | 4,596,601 | 3,257 | 1,547,485 | 865,572 |

It will be noticed that there was a marked decline in the building trade during 1929-30 when compared with 1928-29 and 1927-28. This decline had a serious depressing effect on many industries in the State.

## ncorporation of Melbourne and Geelong.

Melbourne and Geelong are incorporated under special statutes and are not subject to the Local Government Acts except in a few unimportant provisions. Melbourne was incorporated as a town in 1842, and was proclaimed a city in 1847. Geelong was incorporated as a town in 1849, and proclaimed a city in 1910 .

Bridges in
The particulars of the number of bridges in the State Municipalities. in the year 1929 are shown below :-

NUMBER OF BRIDGES (NOT LESS THAN 30 FEET IN LENGTH EXCLUSIVE OF APPROACHES), 1929.


Length of
Roads an streets.

The following table shows the length of all roads and streets in the State in the year 1929 :-

LENGTH $\Theta F$ ALC ROADS AND STREETS, 1929.


The total number of municipalities throaghout the State

Municipalities : 1924-25 to 1928-29,. in which local government was being administered at the end of the year 1929 was 196. Of these, 31 ranked as cities, 4 as towns, 21 as boroughs, and the remainder (140) as shires. The following is a statement of the estimated number of ratepayers, estimated number of dwellings (inhabited and unimhabited), the number of houses built, total and annual value of rateable property, and annual revenue of cities, towns, boroughs, and shires in each of the five years ended 1928-29:-

MUNICIPALITIES : 1924-25 TO 1928-29.

| Year. | Number of Ratepayers. | Estimated Number of Dwellings: |  | Houses <br> Luilt <br> during <br> the year. | Estimated Value - of Rateable Property. |  | Total Revenue. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Inhabited. | Uninhabited. |  | Total. | nut |  |
| Gitles, Towns, and <br> Boroughs- |  |  |  |  | £ | £ | £ |
| 1924-25 .. | 314,386 | 244,164 | 2,061 | 7,606 | 314,333,446 | 17,778,661 | 3,768,373 |
| 1925-26. | 319,568 | 252,611 | 1,917 | 8,041 | 339,221,826 | 19.020,312 | 4,191,063 |
| 1926-2\% | 326,412 | 260,648 | -,460 | 7,180 | 362,432,238 | 20,220,172 | 4,495,764 |
| 1927-28 | 333,364 | 265,376 | 3,580 | 6,063 | 373,880,729 | 20,984,591 | 4,689,716 |
| -1928-29 | 336,756 | 269,783 | B,097 | 4,961 | 385,884,089 | 21,493,990 | 4,847,572 |
| Shires- |  |  |  |  |  |  |  |
| 1924-25 | 246,161 | 148,546 | 1,703 | 2,713 | 257,350,043 | 12,983,459 | 1,815,707 |
| 1925-26 | 254,403 | 151,588 | 1,780 | 3,285- | 207,100,576 | 18,426,424 | 1,921,483 |
| 1926-27 | -265,265 | 153,537 | 1,852 | 3,043 | 274,314,322 | 13,780,690 | 2,086,507 |
| 1927-28 | 270,176 | 156;681 | 1,777 | 3,008 | 288,008,585 | 14,447,193 | 2,155,651 |
| 1928-29 | 275,065 | 158,694 | 2,207 | 2,273 | 294,765,524 | 14,792,565 | 2,235,205 |
| Total- |  |  |  |  |  |  |  |
| 1924-25 | 560,547 | 392,710 | 3,764 | 10,319 | 571,683,489 | 80,712,120 | 5,579,080 |
| 1925-26 | 573,971 | 404,179 | - 3,647 | 11,326 | 606,322,402 | 32,446,73C | 6,112,546 |
| 1926-27 | 591,677 | 414,185 | 4,312 | 10,223 | 636,746,560 | 34,000,882 | 6,582,271 |
| 1927-28 | 603,540 | 422,057 | 5,357 | 9,071 | 661,889,314 | 35,431.784 | 6,845,367 |
| 1928-29 | . 611,821 | 428,477 | 8,304 | 7,234 | 680,649,613 | 36,286,555 | 7,082,777 |

Thē number of ratepayers returned for 1928-29 was 611,821, and the total capital value of rateable property $£ 680,649,613$, which, on the basis of the annual-value of $£ 36,286,555$, is equivalent to about 188 yeàrs' purchăse.


The number of properties upon which the municipalities have levied rates during the past five years has steadily increased, as is shown in the appended statement :-

NUMBER OF PROPERTIES RATED IN MUNICIPALITIES, 1924-25 TO 1928-29.

|  | Yea |  |  | Properties Rated. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | In Cities, Towns, and Boroughs. | In Shires. | Total. |
| 1924-25 | $\cdots$ | $\ldots$ | $\ldots$ | 366,494 | 339,421 | 705,915 |
| 1925-26 | ... | $\ldots$ | ... | 374,095 | 353,632 | 727,727 |
| 1926-27 | ... | $\ldots$ | ... | 384,298 | 379,812 | 764,110 |
| 1927-28 | $\ldots$ | $\ldots$ | ... | 389,122 | 388,740 | 777,862 |
| 1928-29 | . | ... |  | 393,622 | 391,488 | 785,110 |

The following is a statement of the number of ratepayers, cities, towns, total and annual valuc of rateable property, annual ${ }_{1928-29 .}$ and bis, endowment payable by the Government, total revenue, and amount of rate levied in the $£$ in each city, town, and borough in Victoria:-

CITIES, TOWNS, AND BOROUGHS, 1928-29.


[^0]Cities, Towns, and Boroughs, 1928-29-continued.


* Levied on unimproved value of land.

The next table contains a list of the shires, and similar Shires,
1928 -29. particulars to those shown for the cities, towns, and boroughs:-

SHIRES, 1928-29.


Shires, 1928-29-continued.

| Name. |  | Number of Ratepayers. | A mount of General Rate levied in thef. |  | Estimated Value of Rateable Property. |  | Total. Revenue. | Annual Endowment payable by the Government. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Total. |  |  | Annual. |  |  |
|  |  |  |  | s. $l$. |  | 立 | £ | £ | $\stackrel{2}{1}$ |
| Huntly |  | 1,224 | 16 |  | 1,271,200 | 63,560 | 6,830 | 198 |
| Kara Kara |  | 1,038 |  |  | 2,883,080 | 144,154 | 14,574 | 316 469 |
| Karkarooc |  | 1,330 |  |  | 4,688,920 | 234,446 87125 | 24,074 10,205 | 469 49 |
| Keilor |  | 6,550 |  |  | ${ }^{1,742,500}$ |  |  | 380 |
| Kerang |  | 2,249 | $\begin{array}{ll}1 & 0 \\ -2 & 0\end{array}$ |  | 5,020,900 540,000 | $\begin{array}{r}251,045 \\ \hline 36,000\end{array}$ | 38,268 5,687 | 136 |
| Kilmore |  | 559 1,580 | 3  <br> 1 0 <br> 1  |  | 540,000 $-2,03,620$ | +36,081 | 13,883 | 3:21 |
| Korong ${ }_{\text {Korumburra }}$ |  | $\stackrel{1,580}{2,063}$ | $\stackrel{1}{1} \stackrel{9}{9}$ |  | 2,750,320 | 137,906 | -22,208 | 982 |
| Kowree |  | 1,179 | 1.9 |  | 2,388,360 | 119,118 | 11,980 | 430 |
| Kyneton |  | 2,200 |  |  | 1,981,180 | 90,059 85,880 | 24,579 12,016 | 196 |
| Lawloit |  | 670 |  |  | 1,288,200 | 85,380 62,770 | +5,296 | ${ }_{272}$ |
| Leigh . |  | 490 520 |  |  | $1,255,400$ 993,380 | 62,770 49,689 | 5,398 | 198 |
| Lexton |  | 520 4,020 |  |  | 993,380 $3,165,620$ | 45,681 $\mathbf{1 5 8 , 2 8 1}$ | -20,014 | 345 |
| Lillydale |  | 4,020 1,320 |  |  | $3,100,620$ $3,022,440$ | 151,122 | 20,585 | 296 |
| Maffra |  | 1,500 |  |  | 3,199,120 | 159,956 | 18,809 | 483 |
| Maldon |  | 1,064 |  |  | 771,420 | 38,571 | 4,237 | 185 |
| Mansfleld |  | 1,300 | $\stackrel{2}{2}$ | 6 | 1,710,560 | 85,528 | 10,130 | 542 |
| Marong |  | 1,400 | 1 |  | $2,270,060$ 990280 | 113,503 | 13,322 6,040 | 145 |
| Melton-. |  | 465 |  |  | 990,280 $886,280-$ | 49,514 44,314 | 4,457 | 162 |
| Metcalfe Mildura |  | 1,000 3,157 |  |  | 5,068,800 | -253,340 | 28,419 | 184 |
| Minhamite |  | -712 |  | 0 | 1,997,500 | 99,875 | 11,933 | 321 |
| Mirboo |  | 430 | 3 | 0 | 670,800 | 33,540 | 7,326 | 35 |
| Moorabbin | - | 11,794 |  |  | 5,980,800 | 299,040 | 68,371 | 296 |
| Mornington | $\cdots$ | 2,594 | 2 | 3 | $1,782,760$ 3,76480 | 89,138 188,140 | 17,631 19.575 | 114 346 |
| Mortlake |  | $\begin{array}{r}891 \\ \hline 1.069\end{array}$ | $\begin{array}{ll}1 & 9 \\ 3 & 0\end{array}$ | 9 | 3,762,800- | 188,140 65,890 | 12,084 | 435 |
| Mount Rouse |  | 750 | 1 | 6 | 2,842,240 | 142.112 | 11,400 | 198 |
| Mulgrave |  | 4,107 | 2 | 6 | 1,885,440 | 94,272 | 12,718 | 221 |
| McIvor |  | 900 | 1 | 6 | 1,206,000 | 60,300 | 8,054 | 221 |
| Narracan |  | 1,510 | $\stackrel{2}{2}$ | 3 | 2,227,660 | 111,383 | 15,033 | 920 |
| Newham and W | oodend | 690 | 2 | 0 | 668,460 | 33,423 | 7,183 | 118 |
| Newstead and M | t. Alexander | 746 | 1 | 9 | 589,340 | $\begin{array}{r}29,467 \\ \hline 179.990\end{array}$ | - | 1591 |
| Numurkah | .. | 1,258 |  | 6 | $3,459,800$ 986,040 | + 49,302 | 9,486 | 836 |
| Orbost |  | 1,026 | 2 | 6 | 1,440,160 | 72,008 | 11,715 | 472 |
| Otway |  | 1,713 | 3 | 0 | 1,005,460 | 50,273 | 9,450 | 680 |
| Oxley | .. . | 1,045 | $\stackrel{3}{2}$ | 0 | 1,454,080 | 72,734 | 9,571 | 370 |
| Phillip Island | .. . | 493 | $\stackrel{3}{3}$ | 6 | 475,940 | 23,797 | 3,393 | 118 |
| Portland |  | 2,100 | , | 6 | 2,306,080 | 115,304 | 10,993 | 49.4 |
| Pyalong |  | 263 | , | 0 | -587,280 | $\begin{array}{r}129,364 \\ 124,947 \\ \hline\end{array}$ | -3,155 |  |
| Ripon .. |  | 1,100 | $\begin{array}{r}2 \quad 0 \\ \hline 10\end{array}$ | 0 | - | 124,947 149,166 | 15,741 | 248 |
| Rochester |  | 1,699 1,980 | $\stackrel{1}{2}$ | 6 3 | - $2,983,347,900$ | 197,395 | 28,048 | 432 |
| Rodney |  | 1,980 860 | $\begin{array}{ll}2 & 3 \\ 2 & 0\end{array}$ | 0 | 1,258,260 | -62,913 | 8,026 | 320 |
| Rosedale |  | 1,200 | 0 11 | 12* | 3,300,000 | 165,000 | 11,981 | 537 |
| Rutherglen |  | 800 | $\bigcirc 0$ | 0 | 1,153,920 | 57,696 | 7,638 | $\stackrel{3}{4} 9$ |
| Seymour |  | 1,093 | 20 | 0 | 1,463,460 | $\begin{array}{r}73,173 \\ 129 \\ \hline 162\end{array}$ | 13,747 19,168 | 420 |
| Shepparton | $\cdots \quad \cdots$ | 1,270 2,480 | $\begin{array}{r}2 \\ \hline\end{array}$ | 0 9 | 2,455,240 $1,485,800$ | 122,762 74,280 | 19,284 | $\underline{267}$ |
| South Barwon |  | 2,485 | 3 3 | 0 | 1,395,820 | 69,791 | 13,341 | 517 |
| Stawell |  | 1,296 | 19 | 9 | 2,280,220 | 114,011 | 12,911 | 311 |
| Strathfleldsaye |  | 1,009 | 19 | 9 | 635,960 | 31,798 | 3,467 | 137 |
| Swan Hill |  | 3,998 | 16 | 6 | 5,713,500 | 285,675 | 40,066 | 972 |
| Talbot |  | 545 | 1.4 | 4 | 578,880 | 28,944 | 3,415 | 134 |
| Tambo |  | 1,095 | 29 | - | 1,426,480 | 71,324 | 12,240 | 513 |
| Towong |  | 1,210 | 23 | 3 | 1,992,000 | 99,600 | 14,528 | 578 |
| Traralgon |  | 794 | 26 | 6 | 1,316,000 | 65,800 | 12,839 | 441 |
| Tullaroop |  | 640 1,374 | 1 <br> 1 | 9 6 | 901,180 $3,44,720$ | 45,059 162,236 | 5,469 14,537 | 444 |
| Tungamah |  | 1,374 | - $\quad 1$1 | 9 | 1,079,700 | - 53,985 | 7,128 | 307 |
| Upper Yarra |  | 1,461 | 1  | 0 | 931,200 | 46,560 | 9,201 | 221 |
| Violet Town | . | 825 | [ 19 | 9 | 1,078,060 | 53,903 | 7,226 | 221 |

[^1]Shires, 1928-29-continued.


- Levied on unimproved value of land.

Munitipal The ordinary revenue and expenditure of municipalities expenditure. for each of the last three financial years were as follows:-

REVENUE AND EXPENDITURE OF MUNICIPALITIES, 1926-27 TO 1928-29.

| Sources of Revenue. |  | 1926-27. | 1.927-28. | 1928-29. |
| :---: | :---: | :---: | :---: | :---: |
| Taxation |  | £ | $\pm$ | $\pm$ |
| Rates |  | 3,615,998 | 3,772,864 | 3,925,207 |
| Licences |  | 162,863 | 161,786 | 155,412 |
| Dog Fees |  | 29,332 | 30,258 | 30,445 |
| Government Endowment and Grants |  | 163,384 | 154,316 | 143,987 |
| Contributions for Streets, Footpaths, \&c. |  | 352,733 | 352,214 | 326,457 |
| Market and Weighbridge Dues . |  | 125,845 | 132,977 | 142,968 |
| Sanitary Charges |  | 206,351 | 204,996 | 199,516 |
| Rents . . . |  | 138,977 | 145,654 | 149,570 |
| Electric Light and Gas Works |  | 1,163,851 | 1,224,565 | 1,323,422 |
| Other Sources . . .. |  | 622,937 | 665,737 | 685,793 |
| Total |  | 6,582,271 | 6,845,367 | 7,082,777 |
| Heads of Expenditure. <br> Salaries, \&c. |  | 437,921 | 459,718 | 469,036 |
| Sanitary Work, Street Cleansing, \&e. |  | 474,125 | 502,486 | 498,729 |
| Lighting .. . |  | 160,1.18 | 170,721 | 179,167 |
| Health Administration |  | 53,378 | 56,970 | 87,858 |
| Contributions to Fire Brigades |  | 69,058 | 72,857 | 73,278 |
| Public Works- |  |  |  |  |
| Construction |  | 2,169,302 | 2,195,110 | $\begin{array}{r} 426,736 \\ 2,148,727 \end{array}$ |
| Mainterance . . |  | $2,169,302$ 548,131 | $2,195,110$ 512,586 | $2,148,727$ 484,388 |
| Formation of Private Streets, \&c. |  | 548,131 808,630 | 512,586 877,374 | 484,388 947,504 |
| Electric Light and Gas Works Redemption of Loans . . |  | 808,630 262,110 | - 291,628 | 944,504 344,784 |
| Redemption of Loans |  | 262,110 | 661,809 | 731,534 |
| Interest on Loans |  | 34,096 | 39,858 | 43,599 |
| Other Expenditure | $\cdots$ | 670,764 | 716,435 | 778,632 |
| Total . . | . | 6,765,615 | 6,972,671 | 7,213,972 |

Fifty-five per cent. of municipal revenue in 1929 was

Prepertion of municipal
ryvenue raised
from
different
benrces. derived from rates, $18 \frac{1}{2}$ per cent. from electric light and gas works, 5 per cent. from contributions for streets, footpaths, \&c., 3 per cent. from sanitary charges, 2 per cent. from licences of all kinds, 2 per cent. from market and weighbridge dues, 2 per cent. from Government endowments and grants, 2 per cent. from rents, $\frac{1}{2}$ per cent. from dog fees, and 10 per cent. from all other sources.

The assets of the municipalities are shown below under

Assets and
liabilities of
liabinies of three heads-(1) Municipal Fund, (2) Loan Fund, and (3) Property; and the liabilities under two heads-(1) Municipal Fund, and (2) Loan Fund.

MUNICIPAL ASSETS AND LIABILITIES, 1926-27 TO 1928-29.


Municipal Assets and Liabilities, 1926-27 to 1928-29-continued.


## ENDOWMENTS TO MONICIPALITIES.

A statement relating to the payment of endowments and subsidies to municipalities since 1874 appeared on page 142 of the Year-Book for 1928-29.

The endowments paid to municipalities in 1928-29 are shown on pages 130 to 133 ante.

## RATING ON UNIMPROVED VALUES BY MUNICIPALITIES.

The provisions of the law relating to Rating on Unimproved Values appeared on pages 143 and 144 of the Year-Book for 1928-29.

The number of municipalities which levied the general rate on the unimproved value was 8 in 1920-21 10 in 1921-22, 12 in each of the years 1922-23 to 1925-26 inclusive, and 14 in each of the years 1926-27 to 1929-30 inclusive. The following table gives for these municipalities particulars of the capital value of land (improved and

RATING ON UNIMPROVED VALUES, 1929-30.

| Municipality. | Capital Value. | Capital Unimproved Value. | $\begin{gathered} \text { Annual } \\ \text { Improved } \\ \text { Value. } \end{gathered}$ | Amount of Rate In the E on Unimproved Value. | Equivalent <br> Rate on Annual Improved Value. | Amount Payable in 1930 on Unlmproved Valie. | Percentage Unimproved to Capital Value. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cities, Towns and Borojers. | £ | £. | £ | s. $d$. | s. $d$. | $\pm$ |  |
| Greater Melbourne. |  |  |  |  |  |  |  |
| Brunswick City | 10,297,617 | 3,171,656 | 677,272 | 07 | 29 | 92,506 | $30 \cdot 80$ |
| Camberwell City | 16,315,488 | 5,639,352 | 892,513 | $0 \quad 41$ | $2{ }^{4}$ | 105,738 | $34 \cdot 50$ |
| Caulfield City | 19,617,777 | 6,305,060 | 1,089,518 | 0 41 | 22 | 118,220 | $32 \cdot 14$ |
| Coburg City | 9,115,76 | 2,637,928 | 455,788 | 05 | $2{ }^{2} 4$ | 54,956 | $28 \cdot 94$ |
| Essendon City | 10,924,288 | 3,432,032 | 669,524 | $0 \quad 5 \frac{1}{2}$ | 24 | 78,650 | $31 \cdot 78$ |
| Oakleigh City | 3,012,382 | 1,138,448 | 173,175 | 05 | 29 | 23,716 | $37 \cdot 79$ |
| Sandringham City | 6,618,180 | 2,813,116 | 330,909 | 04 | 210 | 46,885 | $42 \cdot 51$ |
| Outside Greater Melbourne. |  |  |  |  |  |  |  |
| Chelsea City | 2,061,201 | 1,050,314 | 102,448 | 0 31* | 2 91 | 14,223 | $50 \cdot 96$ |
| Mordialloo City | 2,805,373 | 1,316,841 | 147,128 | 0 31 $\dagger$ | 2. $7 \frac{1}{4}$ | 19,204 | 46:94 |
| Newtown and Chilwell Town | 2,433,014 | 734,538 | 123,544 | 051 | 2 71 | 16,068 | 30•19 |
| Portland Borough .. | 607,337 | 239,220 | 32,122 | 0 4 | 2. $7 \frac{1}{2}$ | 4,236 | $39 \cdot 39$ |
| Shires. |  |  |  |  |  |  |  |
| Dandenong | 2,952,340 | 1,474,204 | 147,617 | 0 212 | 21 | 15,356 | $49 \cdot 93$ |
| Rosedale | 3,300,000 | 1,752,600 | 165,000 | 0 118 | $1{ }^{1}$ | 9,128 | $53 \cdot 11$ |
| Yea $\quad . . \quad \ldots$ | 1,276,614 | 603,220 | 63,976 | 0 21 ${ }^{2}$ | $111 \frac{1}{2}$ | 6,283 | $47 \cdot 26$ |

## ERECIION OF DWELLING HOUSES BY STATE SADINGS BANK COMMISSIONERS.

The Housing and Reclamation Act of 1920 and the amending Acts of 1922 and 1927 were repealed when the Statutes were consolidated in 1928, and the powers given to the Commissioners under these Acts are now embodied in Part III., Division 4, of the State Savings Bank Act 1928: Power is given to the Commissioners to provide dwelling-houses for eligible persons. An eligible person is defined as one who is not the owner of a dwelling-house in Victoria or elsewhere and is not in receipt of an income of more than $£ 400$ a year at the time of entering into the contract of sale. The total capital cost to the Commissioners of any dwelling-house acquired or erected together with the cost of the land on which it is erected shall not exceed £ 1,000 if the dwelling-house is of wood and $£ 1,300$ if it be of brick, stone, or concrete.

The number of contracty entered into for the erection of dwellings has been-


The position at 30 th June, 1930, with regard to the erection of houses was-

Houses completed $\quad \therefore \quad \cdots \quad . \quad . \quad 7,138$
In course of erection .. ... ... .............. 168
Approved sites for which tenders had not. then been accepted

Total number of applications approved $\quad 7,370$

ERECTION OF DWELLING HOUSES BY MUNICIPALITIES.
Power is given under Part XXVIII. of the Local Government Act 1928 to Councils to erect or purchase dwelling houses for persons of small means at a cost not exceeding $£ 850$, including the cost of the land, if the dwelling be of wood, or $£ 950$ if it be of brick, stome, or concrete.

A full statement is given on pages 147 and 148 of the Year-Book for 1928-29- of the statutory powers and duties of municipalities in regard to housing.

## WAR SERVICE HOMES.

Under agreement with the Commonwealth of Australia, the State Savings Bank Commissioners had, up to 30th June, 1930, entered into contracts for the erection of 3,748 War Service Homes buildings, of which 3,740 have been completed. In addition, the Bank had made advances to 411 soldiers for purchase of existing dwellings or repayment of existing mortgages, and to 31 eligible applicants to enable them to build homes according to their own plans.

## COUNTRY ROADS BOARD.

With the object of improving the main roads of the State Country Roads an Act was passed on 23 rd December, 1912. The provisions
Board of this Act and of subsequent amending Acts are now embodied, in the Country Roads Act 1928. The Board consists of three members appointed by the Governor in Council. The chairman is paid an annual salary not exceeding $£ 1,550$, and each of the other members a salary not exceeding $£ 1,200$.

## Duties.

The principal duties of the board are to ascertain by survey and investigation what roads are main roads; the nature and extent of the resources of Victoria in metals, minerals, and materials suitable for the purposes of road-making and maintenance, and the most effective and economical methods of dealing with the same, and of supplying and utilizing the material in any part of Victoria; the most effective methens of road construction and maintenance; what deviations (if any) in existing roads or what new roads should be made so as to facilitate communication and improve the conditions of traffic.

The construction of permanent works and the maintenance of main roads are to be carried out by the municipalities to the satisfaction of the board, but power is reserved to the Governor in Council to direct that permanent works and maintenance shall be carried out by the board.

The total cost of permanent works is, in the first instance, paid by the Treasury, but, subsequently, half the amount expended is refunded by the municipalities affected. The amount of the municipal contribution toward the cosu of maintenance works is one-third of the amount expended.

Finance. . The funds established under the Country Roads Act 1928 are the Country Roads Board Fund, the Loan Account, and the Developmental Roads Loan Account.

To the credit of the Country Roads Board Fund is placed:-
(a) All moneys paid to the Treasurer by any municipality in respect of permanent works and of the maintenance of main roads.
(b) All moneys received by the Board under the provisions of Part II. of the Country Roads Act 1928 or any corresponding previous enactment.
(c) All moneys appropriated by Parliament for the maintenance of main roads and for the purposes of Part II. of the Country Roads Act 1928.
(d) All fees and fines, less the cost of collection, paid under the Motor Car Act 1928.
(e) All fees, less the cost of collection, received by the Crown in respect of unused roads and water frontages under Part XEII. of the Local Government Act 1928, and all moneys which are provided by sections five hundred and twentyseven and five hundred and thirty-one of that Act.
( $f$ ) All fees paid on the registration or renewal of the registration of traction engines.
(g) All fees and fines, less the cost of collection, paid under Part II. of the Motor Omnibus Act 1928 in respect of country motor omnibuses within the meaning of that Act.
In addition to the above moneys and fees, a sum of $£ 10,000$ is made available from Consolidated Revenue each financial year for the purposes: of the Fund:

The amount to the credit of the Fund at the beginning of 1928-29. was $£ 76,599$.

The total receipts of the Fund for the year 1928-29 amounted to $£ 1,599,779$, and were made up as follows :-

| Payments by Municipalities | 281,434 |
| :---: | :---: |
| Fees Motor Car Act | 1,059,821 |
| Fees Unused Roads and Water Frontages | 20,628 |
| Fees Registration of Traction Engines | 2,673 |
| Fees Motor Omnibus Act | 1,409 |
| Stores and Material | 105,278 |
| Hire of Plant | 42,180 |
| Appropriation from Consolidated Revenue | 10,000 |
| Other-Receipts .. | 76,356 |

The expenditure of the Fund during the year 1928-29 was as follows :-

|  | £ |
| :---: | :---: |
| Maintenance | 912,099 |
| Plant, \&c. . | 413,849 |
| Road Construction- |  |
| To Relieve Unemployment ... | 10,833 |
| Under Migrants' Grant | 13,430 |
| Migration Development Roads | 19,936 |
| Extension of Great Ocean Road | 3,265 |
| Repayment of Advance from Public Account | 100,000 |
| Other Expenditure | 10,850 |
| Total | 1,484,262 |

The balance to the credit of the Fund at the 30 th June, 1929, was £192;116.

The money received from the issue of stock or debentures under the authority of section 32 of the Country Roads Act 1928 is placed to the credit of the Loan Account, and the Account is debited with all payments made towards the cost of permanent road works. The amount to the credit of the Account at the beginning of the year 1928-29 was $£ 30,525$. : During the year the proceeds of loans amounted to $£ 221,760$ and the payments for permanent works to $£ 222,924$. The credit balance of the Account at the 30th June, 1929, was $£ 29,361$.

The Developmental Roads Loan Account is credited with money received from the issue of stock and debentures issued under the authority of Section 85 of the Country Roads Act 1928, and is debited with expenditure in connexion with the construction of developmental roads. The balance to the credit of the Account at the beginning of the year 1928-29 was $£ 91,783$, the proceeds of loans during the year amounted to $£ 445,680$, and expenditure on developmental road works to $£ 531,161$. The amount to the credit of the Account on 30th June, 1929 , was $£ 6,302$.

The following is a summary of the total expenditure of $£ 2,080,725$ by the Board on road construction during the year 1928-29:-

| State highways - | £ |
| :---: | :---: |
| Construction | 20,695 |
| Maintenance | 402,323 |

$$
423,018
$$

Commonwealth contribution towards construction and reconditioning .. .. 248,709 671,727

| Main roads_ |  | $\ddots$ | $\ddots$ |  |
| :--- | :--- | :--- | :--- | ---: |
| Construction | $\ldots$ | $\ldots$ | $\ldots$ | 202,229 |
| Commonwealth contribution |  | $\ldots$ | 6,857 |  |



718,862
$\begin{array}{lll}\text { Developmental roads } \\ \text { Construction } & \cdots & \cdots\end{array} \quad . \quad 531,161$
Commonwealth contribution .. 63,409
594,570
Unemployment relief $\because \quad \therefore \quad . \quad . \quad 10,833$
Roads to develop tourist resorts $\quad \cdots \quad \therefore \quad \because \quad 5,344$
Roads for isolated settlers .. $\because \quad . \quad$.. 2,501
Williamstown Short Road .. .. .. .. 1,490
Migration grant-Childers Settlement Road .. .. 13,430
Migration—Developmental roads .................... 19,936
Orchardists' relief . . . . . . . . 123
Great Ocean Road ..... .. .. .. 3,265
Federal-State Grant, 1925, Act 17 .. .. .. 408
Highways and Vehicles Act (No. 3379) .. . . 38,236
Total .. .. ... .. $2,080,725$

## LICENSING FUND.

[^2]
## MUNICIPAL LOANS.

Moneys may be borrowed by municipalities for permanent works or undertakings or to liquidate the principal moneys owing by the municipality on account of any previous loan. Permanent works include inter alia the construction or alteration of streets, roads, bridges, the construction or purchase of waterworks, electric-light works, and gasworks, municipal offices, pounds, abattoirs, workers' dwellings, baths, and pleasure grourds:

A Council may borrow for not more than 40 years upon the credit of the municipality for permanent works or undertakings, or to liquidate moneys owing on account of any previous loan.

The amount of money borrowed by any municipality is not to exceed ten times the average income of the municipality for the previous three years from general rates not exceeding 2s. in the £I. But, in addition, loans having a currency of not more than 30 years may be raised upon the security of certain income, and not upon the credit of the municipality, by the issue of debentures or by mortgage. These loans are not to exceed five times the average amount of such income.

The total loan indebtedness of the municipalities at the

Municipal
indebtedness. end of the financial year $1928-29$ was $£ 13,345,104$, which was due to the Government and the public respectively, as follows :-

MUNICIPAL INDEBTEDNESS, 1928-29.


[^3]MUNICIPAL LOAN RECEIPTS AND EXPENDITURE, 1924-25 то 1928-29.

|  | - Lo'an Receipts from- |  |  | Loan <br> Expenditure. | Balance Unexpended at end of year. |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Government. | Public. | Total. |  |  |
| IEs, |  |  |  |  |  |
| Borovghs- | $£$ | ¢ | £ |  |  |
| 1924-25.. |  | 1,218,053 | ј,218,053 | 1,233,779 | $\stackrel{£}{373,864}$ |
| 1925-26. . | 21, | 1,111,649 | 1,111,649 | 1,060,690 | 435,472 |
| 1926-27. | 21,255 | 1,323,069 | 1,344,324 | 1,243,966 | 506,217 |
| 1927-28.. | 10,078 | 1,254,368 | 1,264,446 | 1,337,888 | 433,996 |
| 1928-29. | 10,000. | 1,554,904 | 1,564,904 | 1,494,844 | 554,027 |
| Stitres- |  |  |  |  |  |
| 1924-25. | - 920 | 308,7.17 | . 309,637 | 302,181 | 122,116 |
| 1925-26. |  | 292,917 | 292,917 | 257,497 | 152,137 |
| 1926-27. |  | 447,231 | 447,231 | 455,64I | 129,554 |
| 1927-28 | 2,026 | 442,827 | 444,853 | 418,594 | 163,125 |
| 1928-29. | 321 | 422,050 | 422,371 | 399,014 | 196,734 |
| Total-s |  |  |  |  |  |
| 1924-25- | -920 | -1,526,770 | 1,527,690 | 1,535,960 | 495,980 |
| 1925-26. |  | 1,404,566 | 1,404,566 | 1,318,187 | 587,609 |
| 1926-27.. | 21,255 | 1,770,300 | 1,791,555 | 1,699,607 | 635,771 |
| 1927-28.. | 12,104 | 1,697,195 | 1,709,299 | 1,756,482 | 597,121 |
| 1928-29.. | 10,321 | 1,976,954 | 1,987,275 | 1,893,858 | 750.761 |

## MELBOURNE AND METROPOLITAN MUNICIPAL LOANS REDEMPTION FOND.

Under the provisions of the Melbourne and Metropolitan Tramways Act 1918, No. 2995, a redemption fund was established at the State Treasury, into which the surplus revenue accumulations of the Tramway Board, the municipalities' sinking funds held by the State Tréasurer, and annual contributions (in most cases for twenty years) from the metropolitan municipalities concerned were made payable. The greater portion of the loan indebtedness of these municipalities was made a charge against this fund. The liability of the fund includes payments by the municipalities under the Municipal Loans Act 1915, No. 2591, and the Municipalities' Loans Extension Act 1898, No. 1552, except interest to date of discharge. The repayment of the principal of certain other municipal loans (except those of the City of Melbourne) raised from the public, but excluding loans, the amounts of which were expended on tramways, gas works, electric light works, and markets, is also to be made from the fund. The liabilities and assets of the fund at the date of its establishment are shown in the Year-Book for 1920-21, pages 206 and 207.

During the year 1929-30 the receipts of the fund were :-

| Contributions by | Municipalities | .. | .. | 52,937 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Stock Realized | . | $\cdots$ | .. | . | 19,544 |
| Total | .. | .. | .. | 72,481 |  |

The following were the payments made from the Fund during_the


Section 71 of Act No. 2995 provides for redemptions being temporarily charged to the public account when moneys are not available in the Fund. The amount so charged at 30th June, 1930, was £82,438.

The total receipts of the Fund to the 30th June, 1930, amounted to $£ 1,578,055$. The payments out of the Fund were Redemptions and Interest on Loans $£ 1,529,567$, Interest on debit balance of Fund $£ 48,478$, and Sundries $£ 10$.

RECEIPTS AND EXPENDITURE OF THE CITY OF MELBOURNE.
City of
Melbourne, $\quad$ Particulars of the receipts and expenditure for the year revenue and ended 31st:December, 1929, of the City of Melbourne are oxpenditure under various hoads.
CITY OF MELBOURNE-REVENUE AND EXPENDITURE, 1929.


City of Melbourne-Revenue and Expendifure, 1929-continued.


Municipal Officers Fidelity Guarantee Fund

A statement giving the provisions of the Act under which this fund was incorporated appeared in the YearBook for 1928-29 on page 163.
The premium revenue for the year ended 30th September, 1929, was $£ 1,055$, for guarantees amounting to $£ 313,725$. The claims paid from January, 1908, the date of the inception of the fund, to 30th September, 1929, amounted to $£ 3,444$. The amount to the credit of the fund at 30 th September, 1929, was $£ 17,549$.

## MELBOURNE HARBOR TRUST.

The Melbourne Harbor Trust is a corporate body,

Melbourne Harbar Trust - reeelpts and expenaliture. which was established in 1876 to regulate, manage, and improve the Port of Melbourne and portions of the Yarra and Maribyrnong Rivers adjacent thereto, for which purpose certain lands and properties are vested in Commissioners. The Trust consists of five Commissioners, who are appointed by the Gevernor in Council. Of the commissioners other than the chairman, one must be an owner of ships registered at some

British port and trading at Melbourne, one a person engaged in the business of an exporter by sea of Victorian produce, and one an importer by sea of goods into Victoria, and one must be identified with primary production in Victoria. The chairman's salary is not to exceed $£ 1,500$; and the attendance fees of the other commissioners are fixed at $£ 22$ s. per meeting, not more than $£ 250$ to be paid to any of these commissioners in any one year. The borrowing power of the Trust was increased from $£ 4,000,000$ to $£ 5,000,000$ on 30 th December, 1929. The amount of loans outstanding on 31st December, 1929, was $£ 3,904,836$. The following are particulars of the ordinary receipts and ordinary and capital expenditure for each of the last five years:-

MELBOURNE HARBOR TRUST.-RECEIPTS AND
EXPENDITURE: 1925 TO 1929.

| Heads of Revenue and Expenditure. | 1925. | 1926. | 1927. | 1928. | 1929. |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Revenue. |  |  |  |  |
|  | £ | £ | £ | £ | £ |
| Wharfage and Tonnage Rates | 632,018 | 658,944 | 716,193 | 625,907 | 671,288 |
| Rents | 35,804 | 37,116 | 37,521 | 36,885 | 29,662 |
| Interest | 285 | 79 | 43 | 2,149 | 3,901 |
| Other Revenue | 64,363 | 60,111 | 63,287 | 62,994 | 76,588 |
|  | 732,470 | 756,250 | 817,044 | 727,935 | 781,439 |
| Less Amount paid to Consolidated Revenue .. | 136,49 | 143,002 | 148,282 | 143,648 | 145,948 |
| Total | 595,976 | 613,248 | 668,762 | 584,287 | 635,491 |
|  | Rrivenue Expenditure. |  |  |  |  |
| penses | 37,527 | 68,442 | 58,385 | 53,765 | 60,342 |
| Flotation and Redemption of Loans Expenses | 10 | 15 | S | 3,500 | 4,188 |
| Maintenance-Dredging | 98,759 | 81,128 | 74,884 | 49,258 | 45,315 |
| Harbor | 4,027 | 4,240 | 6,357 | 5,587 | 6,115 |
| Wharfs | 45,555 | 43,451 | 49,852 | 59,775 | 53,298 |
| Approaches | 20,269 | 14,098 | 17,587 | 22,884 | 18,539 |
| Interest on Loans* .. | 151,891 | 140,318 | 144,513 | 167,489 | 183,638 |
| Depreciation, Renewals Account, and Sinking Fund .. | 213,000 | 213,000 | 213,000 | 213,000 | 213,000 |
| Total | 569,038 | 564,602 | 564,586 | 575,258 | 584,43 |
| Surplus on Revenue Account | 26,93 | 48,556 | 104,176 | 9,029 | 51,056 |
|  | Capital Expenditure. |  |  |  |  |
| Land and Property | 37,699 | 30,962 | 20,144 | 10,869 | 9,587 |
| Deepening Waterways | 145,808 | 169,053 | 204,536 | 261,634 | $\underline{-231,884}$ |
| Wharfs Construction | 285,072 | 129,382 | 246,587 | 161,235 | 139,203 |
| Approaches Construction | 46,130 | 15,412 | 35,619 | 78,249 | 49,933 |
| Other Harbor Improvements | 18,631 | 40,416 | 15,735 | 17,253 | 9,716 |
| Floating Plant | 97,354 | 9,221 | 125,690 | 2,193 | 7,098 |
| General Plant | 2,718 | 4,891 | 5,045 | 1,268 | 7,631 |
| Total | 633,412 | 399,337 | 653,356 | 532,701 | 455,052 |

[^4]
## GEELONG HARBOR TRUST.

Provision was made by an Act passed on 12th December, 1905, for the constitution of the Geelong Harbor Trust

Geelong
Harbor Trust $\rightarrow$ receipts and and the appointment of Commissioners. The Trust consists of three commissioners who are appointed by the Governor in Council. The salary of the chairman is $£ 400$ per annum, and of each of the other commissioners $£ 200$ per annum. The management of the port and shipping is vested in the commissioners. Power is given to the Trust to borrow $£ 591,000$ and to issue debentures, which may be made payable in London or Melbourne. The following is a summary of the receipts and expenditure for the last five years, the expenditure from ordinary revenue being distinguished from loan expenditure :-
GEELONG HARBOR TRUST-REVENUE AND EXPENDITURE.

|  | 1925. | 1926. | 1927. | 1928. | 1929. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Revenut. | £ | $\pm$ | $\pm$ | $f$ | £ |
| Wharfage, Tonnage and Special |  |  |  |  |  |
| Berth Rates | 40.137 | 35,468 | 38,860 | 30,721 | 45,724 |
| Rents, Fees, and Licences | 10,469 | 10,940 | 10,204 | 7,159 | 6,906 |
| Corio Freezing Works and Ahat. toirs | 15,766 | 16,318 | 12,498 | 8,000 | 8,000 |
| Other Revenue | 19,958 | 4,347 | 4,069 | 11,531 | 5,685 |
| Total | 86,330 | 67,073 | 65,631 | 57,411 | 66.315 |
| Pevende Expenditure. General Management and Ex |  |  |  |  |  |
| penses | 6,239 | 6,657 | 7,413 | 7,595 | 10,330 |
| Maintenance-Wharfs and Approaches | 4,518 | 8,210 | 40,751 | 8,056 | 9,127 |
| " Harbor | 824 | 952 | 1,023 | 1,161 | 945 |
| " Floating Plant | 650 | 615 | 679 | 556 | 4,313 |
| " Other .. | 7,183 | 9;876 | 16,489 | 5,030 | 3.572 |
| Interest on Loans and Sinking Fund | 27.756 |  |  |  |  |
| Corio Freezing Works and Abat- | 27.756 | 27,75 | 24,818 | 26,026 | 27,226* |
| toirs | 7,969 | 6,622 | 4,682 | 4,405 | 5,760 |
| Miscellaneous | 1,888 | 5,543 | 4,093 | 2,228 | 2,800 |
| Total | 57,027 | 66,230 | 99,948 | 55,057 | 64,073. |
| Capital Expenditure. <br> Land and Property . . | 2,209 | 2,564 | 4,572 |  | 5,636 |
| Deepening Waterworks | 20,587 | 15,716 | 3,554 | 9,434 | 948 |
| Wharfs and Approaches Construction | 3,283 | 8,973 | 17,044 | 84,694 | 9,297 |
| Other Harbor Improvements | 810 | 955 | 938 | 667 | 1,202 |
| Floating and General Plant | . . | 29 | 2,134 |  | 65 |
| Stock Aocount, Timber and Piles |  | . | 923 |  | 761 |
| Total | 26,889 | 28,237 | 29,165 | 97,488 | 17,839 |

## MELBOURNE AND METROPOLITAN BOARD OF WORKS.

Creation and constitution of Baard.

The Board was established by Act of Parliament, which

It consists of 40 members, of whom one is the chairman. The other thirty-nine members, who are called commissioners, are from time to time elected by the councils of the various municipal districts within the metropolis. They represent 22 municipalities or parts of municipalities.

The principal functions of the Board are to control and

Functions of the Board. manage the metropolitan water supply system, and to provide the metropolis with an efficient system of main and general sewerage.

## Araa under

 Board's control, andAll land within 13 miles of the Post Office at the corner of Bourke and Elizabeth streets, Melbourne, together with the remaining areas of the City of Mordialloc and the Shire of Moorabbin and a further portion of the Shire of Dandenong, is included in the metropolis for water supply and sewerage purposes. This territory has an area of 445 square miles, and comprises 25 cities, I shire, and parts of 12 other shires. The total number of houses connected with the water supply system on 30th June, 1930, was 250,224 , an increase of 5,395 for the year ; and the estimated population supplied with water was $1,108,492$.

## Soard's borrowing powers and iiability on loans.

The Board is empowered to borrow $£ 22,750,000$, this amount being exclusive of loans amounting to $£ 2,389,934$ originally contracted by the Government for the construction of the waterworks for the suppiy of Melbourne and suburbs. These works were vested in and taken over by the Board on 1st July, 1891.

The liability under loans raised by the Board was $£ 23,365,020$ on 30th June, 1930. The Board was at that date empowered to borrow £1,774,914 before reaching the limit of its borrowing powers.

## WATER SUPPLY FINANCE.

The rate to be paid in respect of any lands and houses

Water supply assessments and rates. for the supply of water for domestic purposes, otherwise than by-measure, is limited to an amount not exceeding 8d. in the pound on the annual valuation of the lands and houses served. The water rate levied in the year 1929-30 was 6 d . in the pound on
the annual value of property served. Assessments of $£ 20$ and under are charged a minimum rate of 10 s. per annum. There is a charge of 1s. per 1,000 gallons for water supplied by meter, with the assessed rate as a minimum. For shipping at Melbourne wharfs the charge is 3s. per 1,000 gallons.

Assessed value of property.

The total annual value of property assessed for water supply purposes and liable to water rates was $£ 17,971,442$ in 1928-29, and $£ 18,667,084$ in 1929-30.

Revenue and expenditure of water supply. system.

During the year 1929-30 water rates and charges amounted to $£ 741,052$, meter rents to $£ 44,151$, and the total water supply revenue to $£ 875,203$, as against a total of $£ 797,336$ in 1928-29. Maintenance and repairs in 1929-30 cost $£ 108,468$, management and incidental expenses were $£ 45,041$, pumping expenses $£ 1,349$, interest payments $£ 522,549$, and the total expenditure was $£ 677,407$, as compared with $£ 623,338$ in the previous year.

Cost of the Mel- The total cost of the water süpply system up to 30 th bourne and
Metropoititan
Mune, 1930 , was as follows:waterworks
system.


## THE MELBOURNE AND METROPOLITAN WATERWORKS.

A description of the Melbourne and Metropolitan Waterworks (Yan Yean, Maroondah, and O'Shannassy systems) appeared in the Year-Book for 1928-29, pages 169 to 171.

## OUTPUT OF THE VARIOUS WATER SYSTEMS IN 1929.

## Dutput of Water.

The total output of water from the varions sources of supply in 1929 was as follows:-

$\underset{\substack{\text { Storage and } \\ \text { service }}}{ }$ reservoirs.

There are four storage reservoirs with a total capacity of $14,498,305,000$ gallons, nineteen service reservoirs (including one at the-Metropolitan Farm, Werribee, and two elevated tanks), with a total capacity of $249,050,000$ gallons, and it is proposed to have, in the immediate future, one other service reservoir. The Year-Book for 1920-21 contains, on page 218, figures showing the then capacity of the reservoirs in gallons and their reduced level at by-wash.

The average number of people supplied with water

Consumption of water in Melbourne and tion was 52.30 gallons per head. Some districts which are suburbs. during 1929 was $1,084,592$, and the average daily consump- outside the Board's area are supplied with water. The tal consumption and average consumption per day are shown hereunder for each month of the year 1929 :-

## TOTAL AND DAILY AVERAGE CONSUMPTION OF WATER IN MELBOURNE AND SUBURBS DURING EACH MONTH OF THE YEAR 1929.



[^5]The following table shows for each of the last five years the daily average consumption of water, and the daily average per head :-

## DAILY AVERAGE QUANTITY OF WATER CONSUMED IN MELBOURNE AND SUBURBS, 1925 TO 1929.

| Year. | Estimated Population supplied with Water to 30th June. | Houses supplied with Water to 30th June. | Number of Houses or which Sewers to 30th June. | Daily Average of Annual Consumption of Water to 31st December. | No. of Gallons of Water per Head Daily. |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Gallons. |  |
| 1925 | 954,558 | 215,476 | 191,318 | 55,633,000 | $58 \cdot 28$ |
| 1926 | 990,56 | 223,603 | 199,918 | 53,404,000 | $53 \cdot 91$ |
| 1927 | 1,028,983 | 232,276 | 208,003 | 57,738,000 | $56 \cdot 11$ |
| 1925 | 1,060,325 | 239,351 | 216,785 | 55,314,000 | $52 \cdot 16$ |
| 1929 | 1,084,592 | 244,829 | 223,324 | 56,730,000 | $52 \cdot 30$ |

These figures show that additional houses to the number of 5,478 were supplied with water during the year ended 30th June, 1929.

## SEWERAGE FINANCE.

In 1891 the annual value of rateable property within

## Sewerage

 assessments, rates, and receipts. the area then to be sewered was $£ 6,866,313$, of which about $£ 1,000,000$ related to vacant lands. The collapse of the land boom was followed by a heavy shrinkage in the value of rateable property. A recovery in values has since taken place, and the total assessment of the Metropolitan Area for 1929-30 was $£ 19,526,984$, inclusive of assessments on vacant lands, and unsewered area and undertakings.The Board is empowered to levy a general sewerage rate not exceeding 1 s .2 d . in the $£ 1$ in sewered areas. The sewerage rate for the year 1929-30 was increased from 9d. to 10d. in the $£ 1$ in the sewered area. The total annual value of property assessed for sewerage purposes and liable to the 10 d . rate was $£ 18,190,944$ in 1929-30.

The receipts from the general sewerage rate in 1929-30 amounted to $£ 765,385$.

The sewerage revenue for $1929-30$ was $£ 778,649$, as against $£ 672,774$ in the previous year. The payments from the Sewerage Revenue

Account were cost of management and incidental expenses $\mathfrak{f 3 0 , 6 0 8}$, maintenance and repairs $£ 10,591$, working expenses $£ 81,202$, interest payments $£ 681,359$, other expenditure $£ 4,223$, making the total expenditure $£ 807,983$, as compared with $£ 766,644$ in 1928-29.

Cost of the The cost of sewerage works and house connexions up
Metronoliftan
sewerage to 30 th June, 1930, was $£ 12,272,133$, divided as follows :sewerage
iystem.


## PROGRESS REPORT OF SEWERAGE WORK WITHIN THE BOARD'S METROPOLITAN AREA UP : TO 30TH JUNE, 1930.

On the 30th June, 1930, the Sewerage System was completed in the following municipalities:-Melbourne, South Melbourne, Port Melbourne, Collingwood, Fitzroy, Hawthorn, Prahran, Richmond, St. Kilda, and the thickly populated portions of Essendon and Brunswick.

The Sewerage-System was nearly completed in the municipalities of Brighton, Caulfield, Malvern, the older parts of Footscray and Box Hill (the latter being formerly known as Nunawading), and the thickly populated portions of Camberwell, Coburg, Kew, Northcote, Preston and Williamstown, while considerable progress had been made in the muncipalities of Heidelberg, Oakleigh," Sandringham and Moorabbin.

During the twelve months ended 30th June, 1930, work has progressed more particularly in Camberwell, Coburg, Moorabbin, Box Hill, Footscray, and Preston; also in Caulfield, Eisendon, Heidelberg, Northcote, and Sandringham.

In all 2,104 miles 9 chains of reticulation and 216 miles 72 chains of main and branch sewers have been completed, and adding the rising mains ānd outfall sewer (a length of 24 miles 59 chains), makes a total length of 2,345 miles 60 chains of sewers.

The estimated population served by the sewerage system on the 30th June, 1930, was 1,023,069.

## PROVISION FOR HOUSE CONNEXIONS WITH THE SEWERAGE SYSTEM IN MELBOURNE AND SUBURBS.

[^6]- During the year 1929, 4,412 new houses were erected in the metropolitan area, and provision was made for the sewering of 9,948 houses.

The following statement shows the progress of house connexions to the 31st December, 1929 :-

NUMBER OF HOUSES FOR WHICH SEWERS WERE PROVIDED ON 31st DECEMBER, 1929.

| Municipality. |  |  | $\begin{aligned} & \text { No. of Houses for which } \\ & \text { sewers were providrd on } \\ & \text { 31st December. } 1929 . \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| Melbourne City . | $\ldots$ | $\ldots$ | 27,577. |
| South Melbourne City $\quad$.. | ... | ... | 10,972 |
| Prahran City . $\cdot$ : ... | ... | ... | 12,940 |
| Fitzroy City ... | ... |  | 8,150 |
| Richmond City ... | $\ldots$ | ... | 10,545 |
| St. Kilda City | ... | ... | 9,725 |
| Collingwood City | ... | .. | 8,778 |
| Footscray City ... | ... | $\ldots$ | 10,229 |
| Hawthorn City ... | ... | $\cdots$ | 8,287 |
| Erunswick City ... ... | $\ldots$ | $\cdots$ | 12,890 11,868 |
| Malvern City ... | $\cdots$ | $\ldots$ | 10,484 |
| Caulfield City ... .. | $\ldots$ | ... | 15,810 |
| Northcote City | ... | ... | 9,873 |
| Camberwell City - | $\cdots$ | ... | 11,812 |
| Brighton City ... ... | ... | $\ldots$ | 6,961 |
| Port Melbourne City | $\ldots$ | $\ldots$ | 3,217 |
| Williamstown City ... | ... | $\cdots$ | 5.584 |
| Kew City ... | $\ldots$ | $\cdots$ | 5,467 |
| Coburg City ... | ... |  | 7,014 |
| Sandringham City ... | $\ldots$ | $\ldots$ | 4,078 |
| Preston City \%.. | ... |  | - $\quad \mathbf{5 , 9 6 1}$ |
| Oakleigh City ... .... | ... | $\cdots$ | 2,450 |
| Box Hill City ... ... |  |  | 1,091 |
| Heidelberg Shire (part of): | $\ldots$ | - | . 4.9779 |
| Moorabbin Shire ${ }_{\text {Werribee Shire }}$... |  | $\cdots$ | 2,199 |
| Werribee Shire (part of) | . | : | $\therefore 14$ |
| Broadmeadows Shire (part of) |  |  | 81, |
| Total | ... |  | 299,168 |

## PUMPING STATIONS.

The Pumping Stations are described on pages 177 and 178 of the Year Book for 1928-29.
The total volume of sewage pumped during the year 1929-30 was. $14,656,680,000$ gallons-equal to $40,155,287$ gallons per day, as against. a total of $14,129,500,000$ gallons, with a daily average of $38,710,959$ for the previous year.

The unit cost of raising 1,000 gallons 100 feet was $\cdot 470 \mathrm{~d}$. as compared with $\cdot 474 \mathrm{~d}$. for the preceding year.

## METROPOLITAN SEWAGE FARM.

A description of this farm is given on pages 178 and 179 of the Year Book for 1928-29.

Notwithstanding the large quantity of sewage water required to be put on the pastures summer and winter alike, the effective filtration of which must be the Board's first consideration, a considerable revenue is derived from the grazing operations. The principal sources of income are from breeding of beef cattle and export lambs, fattening of sheep and cattle, and grazing of horses on agistment.

The revenue from grazing for the year 1929-30 totalled $£ 51,489$; made up as follows :-


## METROPOLITAN DRAINAGE AND RIVERS FINANCE

Under the provisions of Part VIII. of the Act, which Metropolitan relates to Metropolitan Drainage and Rivers, the Board River improve-is empowered to levy a Metropolitan Drainage and River ment Rate. Improvement Rate not exceeding 1d. in the $£ 1$ in respect of the properties in the metropolis ratable to any municipality. The rate was first levied on 1st Jüly, 1927, and has remained at Id. in the $£ 1$.

The total annual value of property assessed for Drainage

Assessed value of property. and River purposes and liable to the ld. in the $£ 1$ rate was £19,152,079.

For 1929-30 the total revenue was $£ 87,454$, as against

Revenue and Expenditure on Drainage and Rivers. 884,766 in the previous year. The cost in 1929-30 of maintenance and management was $£ 20,179$, and the amount of interest payments was $£ 47,384$, the total charges being $£ 67,563$, as compared with a payment in 1928-29 of $£ 16,730$ for maintenance and management and of $£ 23,050$ for interest, or a total charge of $£ 39,780$.

Cost of and The total cost of Drainage and River Improvement River lmprove-works to 30 th June,
ment works.

## THE BALLARAT WATER COMMISSION AND THE BALLARAT SEWERAGE AUTHORITY.

The Ballarat Water Commission was constituted on 1st July, 1880, The Ballarat Sewerage Authority was constituted under the provisions of the Sewerage Districts Act 1915 by Order in Council, dated 30th November, 1920, which provides that the members of the Water Commission shall be the Sewerage Authority. The Commissioners number seven; three (one of whom is chairman) being appointed by the Government, and four being elected by the Council of the City of Ballarat.

Water Supply.-The Water Supply District embraces an area of about 27 square miles, including the city of Ballarat, the borough of Sebastopol, and portions of the shires of Ballarat, Buninyong, and Bungaree, and it contains a population of about 42,000 . The works comprise six reservoirs, which have a total storage capacity of $2,215,558,327$ gallons.

Finance.-The capital cost of construction of the waterworks is £651,681. The liabilities are loans due to the Government, amounting to $£ 304,817$ as at 31 st December; 1929. The revenue for the year 1929 was £35,640.

Rating.-The water rate is 1 s. in the $£$ on the net annual value of properties, with a minimum rate of $£ 1$ per annum for properties supplied.

Sewerage.-The actual construction of sewerage works for the city began in December, 1922. The scheme as designed provides for a population of 90,000 persons. The capital cost of construction to 31 st December, 1929, is $£ 273,832$. The method of sewage disposal is by sedimentation, oxidation, and sludge digestion. Forty-two sewered areas have been declared as at 1st January, 1930, comprising 5,066 tenements. The service was put into action in July, 1925, when the first house connexion was made.

Finance.-The scheme is being financed by debenture issue loans from various financial institutions, $£ 334,090$ having been provided up to 31 st December, 1929, for constructional works, and $£ 100,000$ for house connexions.

Rating.-For 1930 the rating is 1 s .9 d. in the $£$ on all sewered properties, and 3 d . in the $£$ on unsewered properties.

## GEELONG WATERWORKS AND SEWERAGE TRUST.

This Trust was constituted on 15th January, 1908. It was reconstituted under the Geèlong Waterworks and Sewerage Act in 1910.

The Commissioners number five. Two of these represent the city of Geelong, one the town of Geelong West, one the town of Newtown and Chilwell, and one the shires of Bellarine, Corio, and South Barwon.

The amount of loans which may be raised is limited to $£ 725,000$ for water supply undertaking, $£ 710,000$ for sewerage undertaking, and $£ 270,000$ for sewerage installations to properties under deferred payment conditions. The expenditure on these services to 30th June, 1929, was :-Water supply, $£ 673,823$; sewerage, $£ 614,425$; and sewerage installation, $£ 248,476$. The annual revenue for the year ended 30 th June, 1929, was $£ 55,556$ on account of waterworks and $£ 44,117$ on account of sewerage. Since 1913 the Trust has appropriated and set apart sums out of surplus revenues for the creation of a sinking fund to redeem loans. The amount of these sinking funds on 30th June, 1929, was-For sewerage, $£ 40,802$; for water supply, $£ 40,732$.

The population supplied is about 45,024 . The number of buildings situated within the "Drainage Area" is 11,400 ; the number within the "Sewered Areas," 11,000 ; and the number connected with the sewers, 10,883 .

Water Supply.-The catchment area is about 16,000 acres. Particulars of the works and storage capacity of the various reservoirs are given in the Year-Book for $1920-21$, pp. 226 and 227 . The total storage capacity of the reservoirs and service basins is 2,738,120,000 gallons.

The Trust has arranged to take a minimum annual quantity of 500 million gallons of water from the river Barwon to supplement the supply from the Moorabool watersheds.

Sewerage.-The sewerage scheme consists of a main outfall sewer, 4 ft .3 in. by 3 ft .3 in ., to the ocean at Black Rock, a distance of about 9 miles from Geelong. The drainage area is 9,489 acres and includes the city of Geelong, the town of Geelong West, the town of Newtown and Chilwell, and the suburban areas in the shires of Corio, South Barwon, and Bellarine.

Rating.-The water rate is 1 s .1 d . in the pound on the net annual value of properties as certified to by the municipalities, with minimum rates of $£ 1$ per annum for properties supplied and 5 s. for vacant land.
The sewerage rate is:-
A general sewerage rate of 1 s . 3 d . in the pound on the net annual value of all rateable properties within the drainage area which are now sewered or may become sewered during the period for which such rate is made.
In addition to the general and additional rates, the Trust, to prevent or minimize the pollution of the River Barwon, has power to strike a differential or special rate on properties which drain into that river.
9340.-13

## BENDIGO SEWERAGE AUTHORITY.

The Bendigo Sewerage Authority was constituted in November, 1916, and the members of the Bendigo City Council constitute ipso facto the Sewerage Authority.

The actual construction of the sewerage works began in January, 1921, and the first house was connected on 31st March, 1923. Branch sewers have now been completed, which provide for 5,300 tenements, and at 30th June, 1930, 4,721 houses had been connected.

Method of Sewage Disposal and Purification.--The method of disposal is by sedimentation, oxidation, and sludge digestion. A description of the scheme appeared in the Year-Book for 1928-29 on page 184.

Finance--Loans have been raised by the issue of debentures, the total amount so borrowed to the end of September, 1929, was $£ 377,463$, of which $£ 24,537$ has been redeemed. The capital expenditure during the same period was $£ 273,051$. For the purpose of meeting the halfyearly loan repayments, a special rate of 3 d . in the $£ 1$ is levied, while the rate for properties actually sewered is 1 s .9 d . in the $£ 1$.

The scheme is expected to cost $£ 500,000$.
By Act No. 3609, passed on 27 th December, 1928,
Sewering
Country Towns authority was given to certain country towns to borrow ${ }_{£ 100,000}$ for se werage works. On page 185 of the Year-Book for 1929 the names of the towms with the amounts which may be borrowed are shown.

## FIRE BRIGADES BOARDS.

Under the Fire Brigades Act 1928 there are constituted constitution of a metropolitan fire district, controlled by the Metropolitan Fire Brigades
Boards Fire Brigades Board, and nine country fire districts, controlled by the Country Fire Brigades Board.
The Metropolitan Fire District embraces the area included in the various municipalities within a radius of 10 miles from the Elizabethstreet Post Office, Melbourne, as well as certain districts outside that area. The districts referred to are the Borough of Ringwood, Shire of Blackburn and Mitcham, and portions of the Shires of Braybrook, Keilor, Broadmeadows, Heidelberg, Lilydale (Croydon), Doncaster and Templestowe, Mulgrave and Moorabbin, beyond the 10 -mile radius. The Metropolitan Fire District includes the greater portion of the shire of Moorabbin, and extends in a southerly direction as far as Mordialloc ( 16 miles from Melbourne), that township being included.
The Metropolitan Fire Brigades Board is composed of nine members, of whom three are appointed by the Governor in Council, three by the municipal councils, and three by the fire insurance companies.

The Metropolitan Fire Brigades Board on 30th June, Stations and 1930, had under its control the following:-Forty-one Mefropoltan,
Fire Brigade. stations, 296 members of permanent staff, 75 members of special service staff, 9 members of clerical staff, 66 men engaged in the workshops, 15 employees engaged in the tailoring department, and 170 partially paid firemen.

During 1929-30 the cost of maintenance of the Metropolitan Fire Brigade was $£ 189,291$, one-third being contributed by each of the contributing bodies, viz., Government of Vietoria, municipalities within the Metropolitan Fire District, and the fire insurance companies carrying on business in that district. The municipalities' contribution was equal to $\cdot 737 \mathrm{~d}$. in the pound over an area wherein the property was valued at $£ 20,312,145$, and that of the insurance companies was equal to $£ 5$ 12s. 1d. for every $£ 100$ of premiums on insured property. The premiums received in the Melbourne Fire District in 1929 amounted to $£ 1,111,522$, and the total of the payments made by the companies in 1929-30 for the maintenance of the tire brigade system was £62,296.

The Country Fire Brigades Board consists of nine mem-

Bountry. Fire Brigades Board. bers. 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 by the fire insurance companies carrying on business in such districts, and two by the registered fire brigades. The board elects one of its members as president each year. The tenure of the Board members is two years. The Board's revenue for the year ended 30th June, 1930, was $£ 32,088$, which was obtained from the following sources:-(a) Government, $£ 10,552$; (b) municipalities, $£ 10,551$; (c) insurance companies, $£ 10,540$; and (d) other sources, $£ 445$. The expenditure for the same year amounted to $£ 34,351$. There are 120 municipal councils and 112 insurance companies included in the operation of the Act. The premiums received by the insurance companies in country districts during the year 1929 amounted to $£ 411,114$. The annual value of rateable property assessed within the Board's district in 1929 was $£ 3,565,229$. All brigades under the control of the Board are volunteer brigades, but in the large centres a few permanent stationkeepers and auxiliaries are employed. There are 151 registered brigades, and the number of registered firemen is 2,812 . In many brigades there is, in addition to the registered firemen, a number of "reserve" members.

Particulars of "receipts and expenditure of both Fire Recepints and
oxpenditure. Brigades Boards for the five years ended 30th June, 1929, are as follows:-

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

|  | 1925. | 1926. | 1927. | 1928. | 1929. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Ordinary Receipts. | £ | £ | £ | £ | £ |
| Contributions - Government, Municipal, and |  |  |  |  |  |
| - Insurance ... ... | 175,977 | 186,613 | 200,330 | 210,585 | 216,453 |
| Receipts for Services | 20,138 | 21,180 | 24,224 | 25,343 | 27,043 |
| Interest and Sundries ... | 12,120 | 17,567 | 21,014 | 25̄,934 | 30,797 |
| Total | 208,235 | 225,360 | 245,568 | 261,862 | 274,293 |
| Ordinary Expenditure. Salaries | 130,723 | 139,087 | 147,262 | 154, 813 | 155,486 |
| Fixe Expenses | 4,133 | 4,315 | 4,425 | 4,43I | 4,461 |
| AdministriativeCharges, \&c. | 32,282 | 39,676 | 35,859 | 43,992 | 44,467 |
| Plant-Purchase and Repairs | 16,950 | 19,551 | 18,983 | 23,904 | 24,052 |
| Interest ... .. | 7,753 | 8,823 | 10,146 | 11,250 | 14,075 |
| Repayment of Loans | 3,946 | 4,185 | 5,133 | 5,089 | 6,351 |
| Firemen's Accident Fund |  |  | 500 | 500 | 500 |
| Superannuation Fund ... | 4,880 | 5,046 | 8,540 | 8,600 | 8,964 |
| Miscellaneous ... | 4,230 | 7,904 | 9,025 | 8,760 | 13,672 |
| Total | 204,897 | 228,587 | 239,873 | 261,339 | 272,028 |
| Loan Expenditure. |  |  |  |  |  |
| Purchase of Land and Erection of Buildings,\&c. | 19,047 | 14,236 | 40,823 | 5,917 | 33,365 |


[^0]:    * Levied on unimproved value of land.

[^1]:    * Levied on unimproved value of land.

[^2]:    Annual
    Payment to Municipalities.

    Buring the year 1929-30 a sum of $£ 61,308$ was paid out of the Fund to municipalities, as provided by Section 311 . . of the Licensing Act 1928. The payments to Cities amounted to $£ 29,532$, to Towns, $£ 1,182$, to Boroughs, $£ 6,760$, and to Shires, £23,834.

[^3]:    municipal Loan The municipal expenditure of loan moneys during the Expenditure,
    1924-25 to year 1928-29 amounted to $£ 1,893,858$, of which $£ 1,494,844$ ${ }_{1928-29 .}{ }^{1924-25}$ to was spent by cities, towns, and boroughs, and $£ 399,014$ by shires. The following statement shows the loan receipts and expenditure for the last five years :-

[^4]:    * Exclusive of interest on cost of plant debited to works carried ont by day labour

[^5]:    Note-The maximum daily consumption for 1929 occurred on 24 th January and the minimum daly consumption on 26th May of that year. The consumption wis 125,243,000 gallons on the former and $35,116.000$ gilions on the liatter of these two days.

[^6]:    Mumber of Houses for which sewers were provided on 31st Decr. 1929.

    The first house was connected in Port Melbourne in August, 1897. On 31st December, 1929, the number of houses for which semers were provided was 229,168 , including 839 outside gazetted areas.

