period of the first discovery of gold in 1851 to the end of 1873:—

70					£
Silver	•••	•••	•••	•••	6,798
Tin	•••	•••	•••	•••	305,886
Copper	•••	•••	•••	• • •	5,840
Antimony	•••	•••	•••	•••	86,163
Lead	•••	•••	•••	•••	3,090
Iron	. •••	• • •	•••	•••	288
Coal	•••		•••	•••	3,870
Lignite	•••	•••	•••	• • •	1.933
Kaolin	•••	•••	•••		7,444
Flagging	•••		• • •	U • •	32,688
Slates	•••		•••		728
Magnesite	•••	•••	•••	•••	12
Diamonds	•••	•••	•••	•••	103
Sapphires	•••	•••	•••	•••	180
	Total	•••	•••	•••	£455,023

Patents.

252. The number of patents for inventions applied for since the year 1854 has been 1,880. Of these 146 were applied for in the year under review, and 122 in the preceding year.

Copyrights.

253. The copyrights registered amounted to 225 in 1873, and 308 in 1872. The total number registered since the Copyright Act first came into operation in 1870 has been 1,181.

PART IX.—VITAL STATISTICS.

Registrar-G neral's

254. By the eleventh section of the Registration of Births, Deaths, and Marriages Statute 1865 (28 Vict. No. 246) it is enacted that the Registrar-General shall send in annually to the Chief Secretary a report and general abstract of the number of Births, Deaths, and Marriages registered in the preceding year, and that such report and abstract shall be laid before Parliament.

Contents of Part IX.

255. Although the general charge of the registrations is, as I mentioned in the second paragraph to this Report,

still vested in the Registrar-General, the preparation of the report and abstract under the Registration Statute, being matters of a purely statistical character, have, on the division of the department, naturally passed to the Government Statist. As the holder of that office, I propose to fulfil the obligation thus imposed upon me in the present portion of this work and in the part of the Statistics to which it relates. The latter, as I have already explained, has been detained by circumstances beyond my control, but will be printed and laid before Parliament as soon as possible. In addition to the returns of Births, Deaths, and Marriages, statements relating to the Statistics of Charitable Institutions, Gaols, &c., throughout the colony are included in the tables, as likewise are Meteorological Abstracts furnished by the Government Astronomer.

256. The statistics of Friendly Societies have usually Friendly been published in this Part; but, in the absence of power under the Statute to compel the societies to furnish returns at the appointed time, or even at any time, joined to the fact that this year the General Statistics are published at a much earlier date than they have been on any former occasion, I have found it impossible to get the Friendly Societies' statistics prepared in time for embodiment in the work. I propose therefore to publish them in a separate form at as early a date as possible.

257. In the tables of Births, Deaths, and Marriages the Metropoliturban districts have been separated from the Extra- and extraurban, and the former have been further subdivided into urban tricts. the Metropolitan, embracing the city of Melbourne and the surrounding towns, boroughs, and villages, together with their intermediate spaces, extending for a distance of ten miles in each direction; and the Extra-metropolitan, embracing all cities, towns, and boroughs throughout the colony except those within ten miles of Melbourne. The Extra-urban districts embrace all parts of the colony not included in the limits of cities, towns, and boroughs.

258. The number of marriages celebrated in 1873 was Marriages, 4,974, as against 4,791 in the previous year. The excess in favor of the year under review was thus 183.

Marriages and population. 259. More marriages took place in 1873 than in any year since the first settlement of the colony. As compared with the population, however, the number was exceeded in all the years of the last decenniad, except 1871 and 1872. This will be seen by the following figures:—

MARRIAGES AND POPULATION, 1864-1873.

	Estimated Average	Total Number of	Per 1,000 of the Population.				
Year.	Population.	Marriages	Number of Marriages.	Number of Persons Married			
1864	589,160	4,554	7.73	15.46			
1865	616,375	4,497	7.29	14.58			
1866	634,077	4,253	6.71	13.42			
1867	649,826	4,490	6.91	13.82			
1868	671,222	4,692	6.99	13.98			
1869	696,942	4,735	6.79	13.28			
1870	709,839	4,732	6.67	13.34			
1871	738,725	4,693	6.35	12.70			
1872	760,99 1	4,791	6.30	12.60			
1873	780,362	4,974	6.37	12.74			

Marriage rate in Victoria and England. 260. During the whole period of ten years the marriages averaged annually 6.78, and the persons married 13.56, per 1,000 of the population. The rate in Victoria is not nearly so high as that prevailing in England and Wales, where, in the thirty-three years ended 1870, the marriages averaged 8.24, and the persons married 16.48, to every 1,000 persons living.

Marriages in town and country districts. 261. In the Metropolitan districts the marriages in 1873 were in the proportion of 9.55 to every 1,000 of the inhabitants; in the towns outside Melbourne and suburbs they were in that of 9.4 per 1,000 living; and in the country districts in that of 2.65 per 1,000 living. To account for the low marriage rate in country districts it will at once be remembered that marriages, even of persons whose ordinary abode is the country, generally take place in the towns.

Marriages at different seasons.

262. Marriages in Victoria are almost invariably most numerous in the autumn, rather less so in the spring, still less so in the summer, and least of all in the winter.

The following are the percentages in each quarter calculated over a a period of ten years :—

AVERAGE PROPORTION OF MARRIAGES IN EACH QUARTER.

Quarter ended	31st March	•••	•••	Per Cent. 24 .88
,,	30th June	•••	•••	25.91
"	3cth September	• • •	•••	23.98
)	31st December	•••	•••	25.53
				100.00

263. In the year under review the order differed slightly Marriages in four from the above, the marriages being more numerous in the quarters winter quarter than in the summer. The following are the numbers in the four quarters:—March quarter, 1,079; June quarter, 1,382; September quarter, 1,168; December

quarter, 1,345.

264. By far the largest number of marriages are, as rormer condition of may be supposed, contracted between bachelors and spinsters; the next largest are those between bachelors and widows; somewhat, although not very much, less are those between widowers and spinsters; and least of all are those between widowers and widows. The following are the proportions of each condition during ten years:

FORMER CONDITION OF PERSONS MARRIED.

Bachelors and spinsters	•••	•••	•••	Per Cent. 80.60
Bachelors and widows	•••	•••	•••	8.08
Widowers and spinsters	•••	•••	•••	7.27
Widowers and widows	•••	•••	•••	4.02
				100,00

265. In 1873, 4,013, or 80.68 per cent., of the marriages Former condition of were between bachelors and spinsters; 377, or 7.58 per persons cent., were between bachelors and widows; 370, or 7.44 1873. per cent., were between widowers and spinsters; and 214, or 4.30 per cent., were between widowers and widows.

266. One of the results of the preponderance, in point Re-marriages of numbers, of the male sex over the female is that in

this country more widows re-marry than widowers, the proportion in ten years being 12.13 of the former and 11.32 of the latter to every 100 marriages. In England and Wales, on the contrary, more widowers re-marry

than widows, the respective proportions to every 100

marriages being 13.93 and 9.18.

Marriages of persons under age.

267. Another result, probably also due in part to the inequality of the sexes in Victoria, is that, in proportion to the total numbers married, fewer males and more females marry as minors in the colony than in England and Wales. The returns show that, in Victoria, during ten years, 1.50 per cent. of the bridegrooms, and 26.57 per cent. of the brides, had not attained their twenty-first year, whilst in England and Wales, during ten years, as many as 6.60 per cent. of the bridegrooms, and only 19.91 per cent. of the brides, were under age. The mean of the two sexes marrying under age gives a higher proportion for Victoria (14.032 per cent.) than for England and Wales (13.255 per cent.).

Marriages of minors, 1873.

268. In the year under notice, 103, or 2.07 per cent., of the men, and 1,434, or 28.83 per cent., of the women, married in Victoria were under age. These numbers result in a mean of 15.45 per cent.

Ages of husbands and wives. 269. The following table shows, in combination, the ages of males and females who married during the year:—

AGES OF HUSBANDS AND WIVES IN COMBINATION, 1873.

								Ages	of W	ives.	,									nds.
Ages of Husbands.	Under 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	Unspecified.	Total Husbands.
17 to 18		2	1	•••				•••		•••					• • •					3
18 ,, 19		•••		5	3			•••	١	•••	•••				• • •	•••				3 8
19 ,, 20		1	3	3	7	7		6	2	•••										29
20 ,, 21	•••	•••	4		16		10	15	1		•••				• • •				• • •	63
21 ,, 25	•••	8	40			1 -	148		94	19	5	•••			•••				I	1,241
25 ,, 30	I	7	22	75		-	147	650	298	40	7	2	1		• • •	•••	 	•••	•••	1,494
30 ,, 35	•••	4	6	22	49		1	293	267	114	37	6	5		•••	•••	1	•••		907
35 ,, 40	I	I	5	15	17	20	20	136	135	96		20	I	•••	•••	•••				531
40 ,, 45	•••	•••	2	2	3	10	5	52	73	62	62	49	12]	2	•••		 		335
45 ,, 50	•••	•••	•••	I	1	4	2	10	17	28	30	35	17	5	•••	•••			•••	150
50 ,, 55		•••	•••	•••	•••	1	•••	6	11	15	19	1 1	II	8	3	2	•••	•••	•••	96
55 ,, 60	•••	•••	•••	•••	•••	•••	•••	1	1	2	2	5	8	4	5	•••	•••	•••	•••	28
60 ,, 65	•••	•••	•••	•••	•••	•••	•••	•••	•••	I	1	I	2	2	4	1	•••	I		13
65 ,, 70	•••	•••	•••	•••	•••	•••		•••	I	•••	I	2	2	I	2	•••	•••	•••	•••	9
70 ,, 75		•••	•••	•••	• • • •	•••	•••	•••	•••	•••	•••	1	•••	2	•••	•••	I	I		5
Unspecified	•••	•••	I	I	3	3	I	•••	•••	•••	•••	•••	• • •	•••	•••	•••	•••	•••	53	62
Total Wives	2	23	84	221	335	39 ²	377	1,735	900	377	228	141	59	23	16	3	2	2	54	4,974

270. In 4,911 instances out of the 4,974 marriages Relative ages which took place the age of both husband and wife was and wives. specified. In 1,143 of these cases the husband and wife were of the same age, in 3,480 cases the husband was older than the wife, and in 288 cases the wife was older than the husband.

- 271. A few rather curious inequalities of age appear in Inequalities of age. several of the columns, although these instances are not so striking as some which have occurred in other years; as, for instance, two youths between 19 and 20 years of age marry women between 25 and 30; a man between 30 and 35 chooses a partner between 65 and 70; a man between 25 and 30 selects one between 45 and 50; and, on the other hand, a man between 35 and 40 marries a girl under 15, and a man between 65 and 70 marries a woman between 25 and 30.
- 272. There are several ways of arriving at an estimate signing with of the proportion of the adult population able to read and write. One method is by the census, when a return of this nature is made respecting every person in the community. This return is, however, it may be presumed, not always reliable, as a very small amount of education, quite insufficient to enable its possessor to make use of it in even the smallest business relations of life, may cause him to feel justified in stating, or may cause others to feel justified in stating for him, that he is able to read and write. A severer test is that of the marriage register, on which all males and all females entering the married state are required to affix their signatures.

273. In England and Wales, taking the experience of Signing with ten years, 23.29 per cent. of all the males, and 32.5 per Victor a and cent. of all the females, who married signed the register with marks, and therefore, it may be assumed, were unable to write. In Victoria, during ten years, 7.74 per cent. of the bridegrooms, and 15.78 per cent. of the brides, signed with marks, and therefore were doubtless in like manner defective in point of education.

274. The number of persons in Victoria signing with signing with marks differs according to the religious denomination. Dersons of different The following table shows the proportion of those so sects. signing to the total numbers married according to the

forms of each sect, also the proportions so signing to the total married by Lay Registrars:—

SIGNING MARRIAGE REGISTER WITH MARKS; EXPERIENCE OF TEN YEARS.

		Signing with Marks.					
Marriages performed according to the usages of the—	Number of Marriages. Total Number		Number.	Number i	in every 100 Married.		
·		Men.	Women.	Men.	Women.	Mean.	
Church of England	11,619	711	1,432	6.12	12.32	9.22	
Presbyterian Church	9,707	505	1,114	5.50	11.48	8-34	
Wesleyan Church	6,666	407	729	6.11	10.94	8.2	
Independent Church	2,247	101	252	4.20	11.51	7.85	
Baptist Church	1,418	68	108	4.80	7.62	6.51	
Lutheran Church	560	8	30	1.43	5.36	3.39	
Unitarian Church	32	•••	2	•••	6.25	3.15	
Calvinistic Methodists	87	•••	9	•••	10.34	5.17	
Other Protestants	337	33	33	9.79	9.79	9.79	
Roman Catholics	10,073	1,515	3,033	15.04	30.11	22.57	
Jews	194	3	8	1.22	4.12	2.83	
Lay Registrars	2,724	183	458	6.72	16.81	11.76	
Total	45,664	3,534	7,208	7.74	15.78	11.76	

Different sects compared.

275. If the figures in the first nine lines be combined so as to give the total of the Protestant sects, the proportions signing with marks in every 100 marriages solemnized by Protestant clergymen will be found to be 5.61 of the men, and 11.35 of the women, or a mean of 8.48. This is about the average which prevails in the marriages performed by Presbyterians and Wesleyans; but in marriages according to the rites of the Church of England and of "Other Protestants" the proportion signing with marks is greater; and in marriages according to the rites of the Independents, Baptists, Lutherans, Unitarians, and Calvinistic Methodists the proportion is less than the average of Protestant marriages. Fewer persons, on the average, married according to the rites of the Jews signed with marks than those of any other religious sect. More persons, on the average, married by Lay Registrars signed with marks than those married according to the usages of any religious denomination except the Roman Catholics. A much larger number of persons, on the average, married according to the rites of the Roman Catholics signed with marks than of those married in any other manner.

276. Three hundred and twenty-six of the men, and Proportions 496 of the women, out of a total of 4,974 of either sex marks, 1873. married, signed with marks in the year under review. The proportions of those unable to sign in writing were therefore 6.55 per cent. of the men, and 9.97 per cent. of the women, resulting in a mean of 8.26 per cent. the numbers show considerable improvement upon the results of the ten years as given in the table.

277. In 612 instances, during the year under notice, Cases in one out of the two parties to a marriage signed with a which one or both mark and the other in writing, and in 105 instances both signed with marks. signed with marks; thus in all the marriages except about 2 per cent. either the husband or the wife was able to write.

278. The births registered in 1873 numbered 28,100. Births, 1873. This was the largest number of births ever registered in the colony in one year, and exceeded by 739 the number registered in 1872.

279. The estimated average population, the number Birth rate, of births, and the proportion of the latter to the former, during each of the last ten years, were as follow. It will be observed that the birth rate has been declining pretty steadily for years past, and was lower in the last two years than in any others of the decenniad.

BIRTHS	AND	POPULATION,	1864-1873.
DIMITIES	$\mathbf{H}\mathbf{H}\mathbf{D}$	I OI ULIATION	1004 10/3

		В	irths.
Year.	Estimated Average Population.	Total Number.	Number per 1,000 of Population.
1864	589,160	25,680	43.29
1865	616,375	25,915	42.04
1866	634,077	25,010	39.44
1867	649,826	25,608	39.41
1868	671,222	27,243	40.29
1869	696,942	26,040	37.36
1870	709,839	27,151	38.25
1871	738,725	27,382	37.07
1872	760,991	27,361	35.95
1873	780,362	28,100	36.01

Birth rate in Victoria and England.

280. The birth rate for the whole period of ten years was 38.77 per 1,000, or, in other words, 1 child was born alive to every 26 persons living. In England and Wales the average birth rate extending over a series of years was 33.64 per 1,000, or 1 child was born alive to every 30 persons living.

Birth rate in towns and country.

281. The births in Melbourne and suburbs, in the year under review, were in the proportion of 34.36 to every 1,000 of the population. In the town districts outside Melbourne and suburbs they were in the proportion of 40.98 to every 1,000 of the population, and in the country districts they were in the proportion of 34.40 to every 1,000 of the population. The fact that the birth rate of the metropolis is no higher than that of the country districts is a remarkable one, and merits investigation.

Proportion of males and females born.

282. The number of males and females born, and the proportion of the former to the latter, in each of the last ten years, were as follow:—

BIRTHS OF MALES AND FEMALES, 1864-1873.

Year.	Males Born.	Females Born.	Males Born to every 100 Females.
1864	13,241	12,439	106.45
1865	13,265	12,650	104.86
1866	12,670	12,340	102.67
1867	13,093	12,515	104.62
1868	13,841	13,402	103.58
1869	13,225	12,815	103.50
1870	13,997	13,154	106.41
1871	14,000	13,382	104.62
1872	13,831	13,530	102.22
1873	14,234	13,866	102.65

Males and females born in Victoria and England.

283. In the whole period of ten years the proportion was 104.07 males to 100 females. The relative proportion of males and females born does not differ much from that of England and Wales, where the ratio in the ten years ended 1867 was 104.4 males to 100 females.

Twins and triplets.

284. In 263 instances twins were born during the year under notice, and in 3 instances triplets. In the last ten

years 2,729 cases of twins, and 25 cases of triplets, have been recorded out of 265,490 births. Thus one mother in every 96 gave birth to twins, and one mother in every

10,508 brought forth three children at a birth.

285. The number of children recorded as being born Hegitimate out of wedlock in the year under review was 893, or 1 in every 31 born. In the past ten years the number was 7,477, or I in every 35 born. In England and Wales the proportion of illegitimate children during a series of years was I in every 16 born. It is possible, however, that the fact of a child being born out of wedlock is more often concealed here than there.

286. By the number of legitimate births the number of Married married women at childbearing ages can be ascertained women and approximately, as also by the number of illegitimate gular lives. births can the number of unmarried women living irregularly. An estimate based upon the returns of the census of 1871 shows that the legitimate births in Victoria are in the proportion of 301 to every 1,000 married women living between the ages of 15 and 45, and this proportion applied to the returns of the year under review gives the number of married women living at those ages as 90,389. If children are born to women living in concubinage in the same proportion as they are to women living in wedlock, the number of illegitimate children born would show that 2,967 women were living in the former state during the year. The average number of unmarried women in the colony between the ages of 15 and 45 I estimate to have been 65,405 in 1873. It would therefore follow that I out of every 22 of this number was leading an irregular life.

287. As may be supposed, the proportion of illegiti- Illegitimate mate births is greater in town than in country districts. births in town and In the metropolis and suburbs it is especially great, the ratio in the year under review being i illegitimate child to every 19 children born. In the other urban districts the ratio was I illegitimate child to every 41 children born, or, in all the town districts taken together, I illegitimate child to every 26 children born. The proportion

in the extra-urban districts was I illegitimate child to

every 45 children born.

Births at different seasons. 1864-1873.

288. Births are most frequent in the winter season, both in this colony and in England and Wales. This, as regards Victoria, has been proved by the experience of the last ten years, in every one of which the births have been greatest in the quarter ended 30th September. The following are the figures for each quarter of the whole decenniad and the percentage:-

BIRTHS IN EACH QUARTER, 1864-1873.

		Number of Births.		Proportions per Cent.
•••	• • •	62,195	•••	23.43
•••	• • •	66,110	• • •	24.90
•••	•••	72,405	•••	27.27
•••	•••	64,780	•••	24.40
•••	•••	265,490	•••	100.00
	•••	•••	62,195 66,110 72,405 64,780	62,195 66,110 72,405 64,780

Births in each nuar. ter, 1873.

289. During the year under review the births numbered 6,815 in the quarter ended 31st March, 6,932 in the quarter ended 30th June, 7,558 in the quarter ended 30th September, and 6,795 in the quarter ended 31st December.

Deaths, 1873.

290. The deaths registered in the year numbered 11,501. The births, as already stated, having been 28,100, the excess of births over deaths was 16,599, or 144 per cent.

Excess of births over deaths.

291. In all years the births in Victoria have been largely in excess of the deaths. During the ten years ended 1873 the former numbered 265,490, and the latter 106,734. The total excess of births was therefore 158,756, or 149 per cent. In England and Wales, during a series of years, the average excess of births over deaths was 55 per cent., or not nearly half so high

Deaths of males and females.

as the average excess prevailing in Victoria.

292. Males contributed 6,565, and females 4,936, to the mortality of the year. These figures furnish proportions relatively to that mortality of 57 and 43 per cent. respectively. The proportions of males and females in the total population during the year were respectively 54 per cent. and 46 per cent., so that more males and fewer females died than might have been expected from the relative numbers living.

293. The following table shows the average population Population of each year, distinguishing males and females, the number of deaths of males and females in each year, and the proportion that the numbers of either sex who died bore to the total number of the same sex living in each year:—

DEATHS AND POPULATION, 1864-1873.

				. 1	ı -	Deaths.					
Year.	Estimated Mean Population.			To	otal Numl	oer.	No. per	1,000 of Po	pulation.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females	Total.		
1864	336,627	252,533	589,160	5,202	3,685	8,887	15.45	14.20	15.08		
1865	349,662	266,713	616,375	6,158	4,303	10,461	17.61	16.13	16.97		
1866	356,460	277,617	634,077	7,016	5,270	12,286	19.68	18.98	19.37		
	362,417										
	371,817								_		
	384,267										
	390,480										
	404,983										
	415,605										
1873	424,729	355,633	780,362	6,565	4,936	11,501	15.42	13.88	14.74		
								<u> </u>			

294. It will be observed that in the first six years of Death rate the ten the death rate was higher than in the year under in various years. review, that it was exceptionally high in 1866 and 1867, and exceptionally low in 1871; also that in each of the years the mortality bore more heavily upon males than upon females.

295. The average annual death rate extending over Death rate in the whole ten years was 16.29 per 1,000 as regards males, and 14.68 per 1,000 as regards females, and 15.58 per 1,000 as regards both sexes. In England and Wales, in thirtyone years, the average annual death rate was 23.34 per 1,000, and 21:49 per 1,000 as regards males and females

respectively, and 22.4 per 1,000 as regards both sexes combined.

Deaths in town and country districts. 296. The death rate differs in different districts of the colony, as will be seen by the following figures, which show the mortality in the urban districts, distinguishing the metropolitan and the extra-metropolitan, and the extra-urban districts, during the year 1873:—

DEATHS IN URBAN AND COUNTRY DISTRICTS, 1873.

	Estimated Mean	Deaths,	1873.	
Districts.	Population.	Total Number.	Number per 1,000 of the Population.	
Urban-metropolitan , Extra-metropolitan Extra-urban	233,047 191,946 355,369	4,628 3,623 3,250	19.86 18.87 9.14	
Total	780,362	11,501	14.24	

Large mortality in towns accounted for.

297. Taking all the urban districts together, the mortality is equal to 19.41 to every 1,000 of the population. The mortality of extra-urban districts is no doubt much reduced, and that of urban districts proportionately augmented, owing to the fact that persons who, under ordinary circumstances, live in the country districts are in the habit, on the outbreak of illness which promises to be dangerous, of coming to the towns, and that many of them end their days there. This practice no doubt arises partly in consequence of all the hospitals, wherein 1,462 deaths, or 18 per cent. of those which occurred in the urban districts during 1873, being situated in the towns, and partly because, even out of hospitals, the medical attendance and nursing sick persons would receive in towns might reasonably be supposed to be of a superior description to that they would be able to obtain in country districts.

Deaths in each month.

298. The following table shows the deaths in each month during the year under review, and the proportion

of the deaths in each month to the total deaths in the year, placed side by side with a similar calculation extending over a period of ten years :--

DEATHS IN EACH MONTH.

Mon	ths.		Deaths, 1873.	Percentage of De Month to t	aths occurring in each the Total Deaths
				Year 1873.	Mean of Ten Years
January	•••	•••	1,044	9.08	10.72
February	•••	•••	919	7.99	9.52
March	•••	•••	1,048	9.11	10.40
April	•••	•••	1,163	10.11	9.76
May	•••	•••	945	8.55	8.93
June	•••	•••	801	6.96	7.74
\mathbf{J} uly	•••	•••	1,000	8.69	7.42
August	•••	•••	835	7.26	6.89
September	•••	•••	868	7.55	6.35
October	•••	•••	933	8.11	6.65
November	•••		838	7.29	6.58
December	•••	•••	1,107	9.63	8.74
Total	•••	•••	11,501	100,00	100.00

299. The mortality is generally highest in the summer Mortality at season; but this peculiarity has not been so strikingly deferent seasons. marked as usual in the year under review. The relative mortality in it was below the average in January, February, March, May, and June, and above the average in the other seven months.

300. The returns of the Registrar-General for England Mortality at and Wales do not distinguish the mortality in each month, each season in Victoria

England.

but instead the mortality of each quarter is given. quarterly returns of mortality in Victoria are compared in the following table with the returns for the corresponding periods of the year in England and Wales, the returns of Victoria being for ten years, those of England and Wales for thirty-one years :-

MORTALITY AT DIFFERENT SEASONS IN VICTORIA AND ENGLAND AND WALES.

Quarte	r ended—		Deaths per 100	at all Seasons.
Victoria.	England and Wale	s.	Victoria (average of 10 years).	England and Wales (average of 31 years).
31st March 30th June 30th September 31st December	30th September 31st December 31st March 30th June	•••	30.94 26.43 20.66 21.97	23°24 24°65 27°49 24°62
	Total	•••	100.00	100.00

Results compared.

301. By these figures it would appear that the greatest mortality occurs in the summer quarter in Victoria, and in the winter nuarter in England and Wales; that the next greatest mortality is in the autumn quarter in Victoria, and the next in the spring quarter, but that in England and Wales the mortality of the autumn and spring quarters is nearly identical; and that the period of least mortality in Victoria is the winter quarter, and in England and Wales the summer quarter.

Deaths in each quarter, 1873.

302. In the year under review the percentage of deaths in the four quarters respectively was 26.18, 25.29, 23.50, and 25.03. The mortality was thus more evenly spread over the whole year than usual.

Population and deaths

303. In the following table the deaths of males and and deaths at each age. females in 1873, at each year of age, are placed side by side with the estimated numbers of either sex at the same ages in the population. The percentage of those who died at each age to the total number of deaths, and

the percentage of those living at each age to the total numbers living, are also shown:

Population and Deaths at each Age, 1873, with Proportions. NUMBERS.

	· A :	ges.		Estimated	Population a 1873.	t each Age,	Number of Deaths at each Age, 1873 *			
				Males.	Females.	Total.	Males.	Females.	Total.	
Und	er 5 y	ears		62,418	62,147	124,565	2,564	2,340	4,904	
5 Y	ears to	0 10	years	56,710	56,986	113,696	318	286	604	
10	"	15	,,	45,551	45,813	91,364	134	150	284	
15	"	25	,,	53,236	57,798	111,034	283	296	579	
25	,,	35	,,	65,800	53,262	119,062	483	413	896	
35	,,	45	"	77,608	44,734	122,342	839	480	1,319	
45	"	55	"	40,946	21,410	62,356	782	348	1,130	
55	,,	65	"	15,963	9,215	25,178	565	239	804	
65	,,	75	"	5,355	3,457	8,812	365	2.4 I	6c6	
75 a	nd up	ward	s	1,142	811	1,953	232	143	375	
	$\mathbf{T}_{\mathbf{c}}$	tal	•••	424,729	355,633	,80,362	6,565	4,936	11,501	

PROPORTIONS PER CENT.

	1					
Under 5 years	14.70	17.48	15.95	39 06	47.41	42.64
5 years to 10 years	13.35	16.05	14.57	4.84	51,9	5.25
10 ,, 15 ,,	10.73	12.88	1171	2.04	3.04	2.47
15 ,, 25 ,,	12.53	16.52	14.23	4.31	6,00	5 03
25 ,, 35 ,,	15.49	14.98	15.26	7.36	8.37	7.79
35 ", 45 ",	18.27	12.28	15.68	12.78	9.72	11.47
45 " 55 "	9.64	6.03	7 . 99	11.91	7.05	9.83
55 ,, 65 ,,	3.76	2.29	3.53	8.61	4.84	6.99
65 ,, 75 ,,	1.56	• 97	1.13	5.26	4.88	5'27
75 and upwards	•27	•23	.22	3.23	2.90	3.56
Total	100.00	100.00	100.00	100 00	100.00	100 00

^{*} Omitting the unspecified as to age.

304. A reference to the figures in this table will show Deaths at that nearly half the males and more than half the females ages. who died in the year were under 10 years of age; also that both sexes under 5 years and over 45 years of age died in larger proportions than their numbers in the population, but at ages between 5 and 45 the proportions

dying of either sex were smaller than the corresponding

numbers at the same age in the population.

Deaths at

305. It may be observed that the mortality of children various ages in Victoria under 5 was exceptionally low, and that of persons over and England. 75 was exceptionally high, during the year under review. This will be seen more plainly by an examination of the figures in the following table, which gives the number of deaths of males and females at various ages in every 1,000 of either sex living at the same ages in the colony of Victoria during the year under notice, and during an average of ten years; also in England and Wales, calculated upon an average of thirty years :--

> MORTALITY PER 1,000 LIVING AT DIFFERENT AGES IN VICTORIA AND ENGLAND AND WALES.

					Nur	nber of Dea	ths to ever	y 1,000 Liv i	ing at each	Age.
		Ages.				Vic	toria.		England s	nd Wales,
					Year	1873.	Average o	f 10 Years.	Average o	
	The state of the s				Males.	Females.	Males.	Females.	Males.	Females.
A 11 .	f Ages	•••		•••	15.45	13.88	16.68	16.13	23.33	21.21
$\overline{\mathbf{U}}$ nd	er 5 y	ear s		•••	41.08	37.65	55.08	49.66	72.42	62.46
5 y	ears t	отоу	ears	3	5.61	5.03	7.2	6.95	8.79	8.67
10	"	15	"	•••	2.94	3.52	3.52	3.52	4.95	2.10
15	"	25	,,	• • •	5.31	5.15	4.95	4.81	7.90	8.55
25	"	35	"	•••	7.34	7.75	7.85	8.58	9.93	10.12
3.5	"	4.5	"	•••	10.81	10.73	12.09	11.15	13.03	12.30
15	,,	55	"	•••	19,10	16.52	17.2	13.50	18.19	15.67
55	"	65	"	•••	35.39	25.94	29.71	21.98	31.23	28.26
55	"	75	,,,	• • •	98.19	69.71	53.79	43.10	68.24	57.52
75 ai	nd upv	vards*	•	•••	203.12	176.32	111.21	93.05	147.74	135.36

^{*} The figures in this line relating to England and Wales apply to males and females at from 75 to 85 only. The Victorian returns apply to all over 75.

Deaths of males and females at different ages.

306. It will be remarked that, in Victoria, the mortality of males in proportion to their numbers in the population is greater than that of females at all periods of life, except between 25 and 35 years of age; but that in England and Wales, relatively to their numbers, the mortality of females is greater than that of males at the three periods occurring between 10 and 35 years of age, the mortality of males being, however, greater than that of females at all other periods.

307. The fact that the average mortality, both of males Mortality of and females, at each period of life is lower in Victoria than children in Victoria and it is in England and Wales is fully brought out by the figures. This is especially noticeable in regard to children under 5 years and between 5 and 10 years of age, to whom the circumstances and climate of Victoria are by many supposed to be exceptionally fatal, whereas these are in reality much less so than those which prevail in England.

308. Besides the comparison of the deaths of children Mortality of at each age with the total numbers at the same ages living, a further means of ascertaining the fitness of a country for rearing children in is by comparing the mortality of children dying before they complete their first year with the number of births. This is done in the following table for each of the ten years ending with 1873:-

MORTALITY OF INFANTS, 1864-1873.

	37		Number of Binths	Deaths of Infants	under 1 Year of Age.
	Year.	,	Number of Births.	Total Number.	Proportion to every
1864	•••	•••	25,680	2,778	10.8
1865	•••	•••	25,915	3,538	13.6
1866		•••	25,010	3,838	15.3
1867	•••	•••	25,608	3,534	13.8
1868	•••	•••	27,243	3,054	I I . 2
1869	•••	•••	26,040	3,284	12.6
1870	•••	•••	27,151	3,203	11.8
1871	•••	•••	27,382	3,114	11.3
1872	•••	•••	27,361	3,334	12.5
1873	•••	•••	28,100	3,181	11.3
Mean o	f Ten	Years	26,549	3,286	12.4

309. The mortality of infants, calculated upon this Infant principle, is much lower than that of England and Wales, Victoria and Where deaths of children who had not completed their

first year of age amounted in 1869 to 15.6 per cent., and These were not in 1870 to 16 per cent., of the births. years of exceptional mortality, and yet the same proportions have not been reached during even the worst years in Victoria.

Mortality of male and female infants.

310. Both here and in England a larger number of male than of female infants die. In the year under review, the former amounted to 1,679, and the latter to 1,502, which numbers furnish proportions relatively to the births of either sex of 11.80 and 10.82 per cent. respectively. an average extending over the five previous years the corresponding percentages were 12.65 and 10.97. In England and Wales, during the year 1870, deaths of male children under 1 year were in the proportion of 17.4 per cent. of the births of males, and those of female children under 1 year were in the proportion of 14.5 per cent. of the births of females.

Deaths from Victoriaand England.

311. The proportion that deaths from each class of each class of diseases bear to the total deaths in Victoria and England and Wales is shown in the following table:-

> DEATHS FROM EACH CLASS OF DISEASES, PROPORTION TO DEATHS FROM ALL CAUSES, IN VICTORIA AND ENGLAND AND WALES.

		Numbe	er of Deaths in 1,000 from	all Causes.
Causes of Death.		V	ictoria.	England and Wales.
		Year 1873.	Average of 16 Years.	Average of 10 Years.
Zymotic diseases	•••	254.51	304.71	227.43
Constitutional "	• • •	139.56	130.26	187.54
Local ,,	•••	386.39	320.02	388.81
Developmental ,,	•••	140.69	151.97	161.12
Violence	•••	78.85	92.71	35.02
Total	•••	I,00.0°00	1,000'00	1,000'00

Results compared.

312. Relatively to the total mortality, that from zymotic diseases, including all those of an endemic, epidemic, contagious or infectious character, is greater in Victoria than in England and Wales, as also is that from external

causes and violence; the mortality from constitutional diseases, including phthisis or consumption, tabes mesenterica, scrofula, &c.; that from local diseases, being those which have their seat in particular organs; and that from developmental diseases, being those of growth, nutrition, and decay—is less in Victoria than in England.

313. A better way, however, of ascertaining the rela-Deaths from each cause tive mortality of the two countries is to compare the and population in Victoria and England. lation of each country, and this is done in the following table :—

DEATHS FROM EACH CLASS OF DISEASES, PROPORTION TO LIVING POPULATION, IN VICTORIA AND ENGLAND AND WALES.

		of Deaths to ev an Living Pop	
Causes of Death.	Vict	oria.	England and Wales.
	Year 1873.	Average of 16 Years.	Average of 10 Years.
All causes Specified causes	14.24 14.69	17.51 17.04	22·47 22·32
Zymotic diseases Constitutional " Local " Developmental " Violence	3°74 2°05 5°67 2°07 1°16	5.58 2.58 2.58 1.57	5°07 4°19 8°68 3°60 °78

314. It will be observed that, in proportion to the Results population, a lower rate of mortality from all classes of diseases prevailed in Victoria during the year under review than in England, but that, on the average, the mortality from zymotic diseases is somewhat higher, and that from all other classes of diseases is considerably lower, in Victoria than in England; also that the proportion of violent deaths is always much greater in Victoria than it is in England.

315. Zymotic diseases are generally most prevalent in Deaths from the summer months and are especially fatal to children. typhoid fever. A complaint which forms an exception to this rule is

typhoid fever, from which adults suffer also, and which is most common in the months of April and May, although sporadic cases occur all the year round. As considerable alarm existed a short time since in respect to this complaint, I have thought it sufficiently important to devote to it a separate table, showing the number of deaths and their proportion to the living population during each each of the last ten years:—

DEATHS FROM TYPHOID FEVER, 1864-1873.

			Estimated		hs from d Fever.
Year.		Mean Population.	Total Number.	Number per 10,000 of Population.	
1864	•••	•••	589,160	250	4.54
1865	•••	• • •	616,375	291	4.72
1866	•••		634,077	528	8.33
1867	• • •	•••	649,826	455	7.00
1868	•••	•••	671,222	295	4.40
1869	•••	•••	696,942	360	5.16
1870	•••	•••	709,839	416	5.86
1871	• • •	•••	738,725	269	3.64
1872	•••	•••	760,991	323	4.24
1873	•••	• • •	780,362	282	3.61
Mea	n of Ten	\mathbf{Y} ears	684,752	347	5.07

Death rate from typhoid fever.

316. It will be noticed that the death rate from this disease differs considerably in different years, it having been lowest in the year under review and highest in the years 1866 and 1867. In the two last-mentioned years the mortality from all causes was also above the average. It is well known that a wide-spread belief gained ground during a portion of the present year (1874) that this complaint was prevailing in the colony to an unusual extent, and in a very fatal form. Whether this supposition was correct, and, if so, to what extent the total mortality of the year will be affected by the disease, cannot be known until after the year has been completed.

317. The zymotic diseases which frequently prove fatal Deaths from diseases to children, but more rarely to adults, are measles, affecting children. scarlatina, diphtheria, whooping cough, dysentery, and diarrhoea. The number of deaths from these, and of those from atrophy and debility (classed under the head of developmental diseases), during the last ten years, are shown in the following table:—

DEATHS FROM DISEASES CHIEFLY AFFECTING CHILDREN, 1864-1873.

					Number	of Death	s from—		
	Year.		Measles.	Scarlatina.	Diphtheria.	Whooping Cough.	Dysentery.	Diarrhea.	Atrophy and Debility.
1864	• • •	•••	7	278	451	25	243	528	602
1865	•••	•••	II	215	391	304	402	864	749
1866	•••	•••	427	462	331	365	525	1,027	817
1867	•••	•••	630	621	334	205	430	986	746
1868	•••		24	460	451	243	220	640	665
1869	•••	•••	24	224	493	100	306	858	723
1870	•••	•••	3	24	418	50	244	706	790
1871	•••	• •	4	27	255	318	316	626	679
1872	•••	• - •	7	135	320	227	424	747	692
1873	•••	•••	I	188	420	299	357	629	714
Mean	of Ten	Years	113.8	263.4	386.4	213.6	346.7	761.1	717.7
	Numbe s per 10, e Popula	,000 }	1.67	3.84	5.64	3.15	5.06	11.15	10.48

318. It will be observed that diarrhoea is the most fatal Death rate of all these complaints, and next to it atrophy and de- from diseases of bility; that measles is, on the average, the least fatal of the complaints named, but that in 1866 more deaths occurred from it than from either diphtheria or whooping cough, and in 1867 more deaths occurred from it than from either scarlatina, diphtheria, whooping cough, or

dysentery.

319. It will be seen by the following figures that the Diseases of proportions from these diseases to the living population Victoria and England.

differ greatly from the proportions obtaining in England and Wales. The averages are for ten years in Victoria and for five years in England and Wales:—

DEATHS PER 10,000 LIVING.

		Victoria.		England and Wales.
Measles	•••	1.67	•••	4.2
Scarlatina	•••	3.84	•••	8.57
Diphtheria	•••	5.64	•••	1.45
Whooping Cough		3.15	•••	5.32
Dysentery	•••	5.06	•••	. 48
Diarrhœa	•••	I I · I 2	•••	10.39
Atrophy and Debil	lity	10.48	•••	14.91

Deaths from 320. Phthisis has within the last ten years caused more than eight thousand deaths in Victoria, and both in the colony and in England is the most fatal of all diseases. The total mortality and the mortality in proportion to the population from this complaint are shown in the following table:—

DEATHS FROM PHTHISIS, 1864-1873.

		Estimated	Deaths fro	om Phthisis.
Year.		Mean Population.	Total Number.*	Number per 10,000 of Polulation.
1864	•••	589,160	686	11.64
1865	•••	616,375	741	12.02
1866	•••	634,077	782	12.33
1867	•••	649,826	793	12.50
1868	•••	671,222	746	11.11
1869	•••	696,942	893	12.81
1870	•••	709,839	888	12.21
1871	•••	738,725	841	11.38
1872	•••	760,991	876	11.21
1873	•••	780,362	945	15.11
Mean of Years	Ten }	684,752	819	11.96

Deaths registered as occurring from hæmoptysis are included in this column.

321. A remarkable evenness in the mortality from Death rate phthisis in relation to the population is observable through- phthisis. out the decenniad. The average number of deaths over the whole period was within a fraction of 12 per 1,000 persons living, and in not one of the years were the numbers so low as 11 or so high as 13. It must be remembered, however, that the population at the ages most subject to phthisis has decreased during the period, and therefore the complaint is really more fatal now in Victoria than it was some years since.*

322. The death rate from phthisis in relation to the Death rate whole population is very much lower in Victoria than phthisis in Mel it is in England and Wales, where, in the ten years 1860-1869, the average mortality from this disease was at the rate of 25.47 per 10,000 of the inhabitants of the kingdom. The mortality from phthisis in Melbourne and suburbs compares more nearly with that of England, the deaths from it in the ten years ending with 1873 having been at the annual rate of 21.23 per 10,000 inhabitants. In 1863 deaths from phthisis in Melbourne and suburbs were in the proportion of 23.71 to every 10,000 of the living population, or much above the average.

323. Deaths of women in childbirth are classified in Deaths of two ways, according to the manner in which the death in child-Should it arise from the consequences of childbearing, but without specific disease, it is classified simply as childbirth, under the head developmental diseases; but should it be occasioned by puerperal fever or metria, it is classified under the latter term, as a zymotic disease. Metria, as is well known, is a febrile disease of a very malignant character, solely affecting childbearing women, and is believed to be highly contagious, and to be often carried from the bedside of one lying-in woman to that of another by medical men and nurses. The following table gives the number of deaths from these two phases of childbirth in each of the last ten years, and the pro-

bourne and

^{*} Between the censuses of 1861 and 1871 the male population between 20 and 35 years of age decreased by 48,766, and the female population between 25 and 30 decreased by 1,394. See Government Statist's Report on the Census of 1871, pp. 12 and 13.—Ferres, Melbourne.

portion of mothers dying to the number of children born:—

DEATHS	OF	Women	IN	CHILDBIRTH,	1864-1873.
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			Number of	Number of Deaths of Mothers to			
	Year.		Number of Births.	Childbirth.	Metria.	Total.	every 10,000 Children born alive.
1864	• • •	• • •	25,680	100	2 I	I 2 I	47.12
1865	•••	. •••	25,915	99	24	123	47.46
1866	•••	•••	25,010	112	26	138	55.18
1867	•••	•••	25,608	, 117	20	137	53.21
1868	•••	•••	27,243	110	23	133	48.82
1869	•••	•••	26,040	105	18	123	47.23
1870	•••	•••	27,151	115	9	124	45.67
1871	•••	•••	27,382	90	12	102	37.25
1872	•••	•••	27,361	123	16	139	50.80
1873	•••	•••	28,100	127	44	171	60.85
Mean	of Ten	Years	26,549	IIO	2 I	131	49.34

Deaths from metria, 1873.

324. It will be observed that a considerable increase in the number of deaths from metria took place in 1873, as compared with former years, and that the proportion of mothers who died was greater in that than in any other year of the decenniad.

Deaths in childbirth in Victoria and England.

325. In the ten years the proportion of mothers dying, stated in different words from those which would be used to quote the exact figures in the table, was 1 to every 203 births, and in the year under review it was 1 to every 164 births. In England and Wales, a proportion extending over the twenty-four years, 1847-70, differs slightly from the Victorian average, the figures being 48.98 mothers dying to every 10,000 births, or 1 mother dying to every 204 births.

Deaths in Lying-in Hospital. 326. The mortality of women confined in Maternity Hospitals has been found in all countries to be greater than that of women delivered at home, and the returns of the Melbourne Lying-in Hospital during the year 1873

fully bear out this experience. The number of children born alive in that institution during the year was 375, and the number of deaths of women from childbirth or metria was 14. The proportions therefore were equivalent to those of 373 mothers dying to 10,000 children born alive, or 1 mother dying to every 27 births. This rate of mortality may fairly be considered as enormous.

327. It has been already shown (pars. 312 and 314, violent ante) that, relatively to the population, violent deaths are more frequent in Victoria than in England. These are classified under the heads of Accident, Homicide, Suicide, and Execution. The following are the numbers which occurred in Victoria during the last ten years from each of those causes:—

DEATHS FROM EXTERNAL CAUSES, 1864-1873.

					Num	ber of	Deaths	from-	-		
Year.		Accidents.		Homicide.		Suicide.		Executions.		Total.	
2001		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
1864	• • •	591	161	14	2	55	II	4	•••	664	174
1865	•••	656	157	19	7	51	13	5	•••	73 i	177
1866	•••	630	139	14	4	68	13	3	•••	715	156
1867	•••	601	148	12	12	55	8	5	•••	673	168
1868	• • •	665	163	12	7	59	8	3	•••	739	178
1869	•••	632	134	17	6	53	15	3	•••	705	155
1870	• • •	641	146	15	14	60	14	5	•••	721	174
1871	•••	620	148	13	8	69	2 I	2	•••	704	177
1872	•••	621	138	8	7	62	9	2	•••	693	154.
1873	•••	602	180	14	6	84	13	5	•••	705	199
Total	•••	6,259	1,514	138	73	616	125	37	•••	7,050	1,712
Both Sexes	•••	7,7	773	2	II	74	. I		37	8,7	762

Violent deaths of males and females.

328. Under all the headings, as will be observed, the deaths of females are much fewer than those of males, and there is no case of a female having been executed during the ten years. The males who died violent deaths were in the proportion of 18.57 to every 100,000 of the living male population, and the females were in the proportion of 5.61 to every 100,000 females living.

Violent

329. The following are the average yearly numbers of deaths in Victoria and deaths from violence under each heading in proportion to every 100,000 of the living population of Victoria and England and Wales, the experience in either case being that of ten years:

VIOLENT DEATHS PER 100,000 OF THE LIVING POPULATION.

				Victoria. E		England and Wales.		
Accidents		3.08 10.82 classified	•••	68.53				
Homicide	• • •	•••	•••	3.08	• • •	1.92		
Suicide	• •••	•••	•••	10.83	•••	6.69		
Execution	•••	•••	•••	•54	•••	•06		
Violent De	eaths not class	sified	•••	Charpenis	•••	1.03		
•								
•	Total Violer	t Deaths	•••	127.96	•••	78.27		
				-				

Death rate in Hospitals.

330. The total number of cases of sickness treated in all the Hospitals in Victoria during the year was 14,585, and the number of deaths 1,464, or about 1 death to every 10 cases of sickness.

Death rate in Benevolent Asylums.

331. The cases of sickness in Benevolent Asylums numbered 1,694, and the deaths 168, in the year under review; the proportion of the latter to the former was thus about I to 10.

Death rate in Immigrants' Home.

332. In the Melbourne Immigrants' Home no record was kept of the non-fatal cases of sickness which occurred during the year. The number of fatal cases amounted to 65.

Death rate in Orphan Asylums.

333. In Orphan Asylums, 413 cases of sickness occurred during the year, and of these 6, or 1 in 69, terminated fatally.

334. The number of cases of sickness in Industrial Death rate in and Reformatory Schools during the year amounted to Schools.

2,670, and the deaths to 37, or about I death to every 72 cases of sickness.

335. The hospital cases in Gaols and Penal Establish-Death rate in ments amounted to 6,533 during the year, and the deaths

to 35, or 1 death to every 187 cases.

336. The number of sick cases in Hospitals for the Death rate Insane during the year was 1,396, and the total number Asylums. of deaths was 168. Eleven of these deaths were set down simply to insanity. The deaths resulting from actual sickness therefore numbered 157, or 1 death to every 9 cases.

337. One hundred and eighty-two cases of sickness Death rate in occurred in the Victorian Artillery Corps during the year, Artillery corps.

and one of these cases terminated fatally.

338. Fifty-three cases of sickness, but no death, occurred sickness in the Private Lunatic Asylum at Cremorne during the Asylum. year.

339. In connection with the death rates, the ages of Ages in inmates of Hospitals, and of Benevolent, Orphan, and institutions. Lunatic Asylums should be considered; these during the year were as follow:—

AGES OF INMATES OF CHARITABLE INSTITUTIONS, 1873.

Ages.	Hospitals.	Benevolent Asylums, &c.	Orphan Asylums.	Lunatic Asylums.
Under 5 years 5 years to 10 years		511 356	114 567	44
10 ,, 15 ,,	. 835	117	475	4.5
15 " 25 "	2,553	862	25	366
25 ,, 35 ,,	2 820	2,082	•••	816
35 ", 45 ", "	3,173	2,104	•••	870
45 ", 55 ", "	2,191	1,866	•••	450
55 ", 65 ",	1,335	1,189	•••	179
65 and upwards	762	1,297	• • •	86
Age unknown	. 10	•••	•••	373
Total	14,520	10,384	1,181	3,229

Deaths in 340. The following is a summary of the deaths which institutions occurred in public institutions during the year under notice:—

DEATHS IN PUBLIC INSTITUTIONS, 1873.

			Nu	nber of Deaths.
Hospitals	•••	•••	•••	1,464
Benevolent Asylum	s, &c.	•••	•••	233
Orphan Asylums	•••	• • •	•••	6
Hospitals for the In	sane	• • •	•••	168
Blind Asylum	•••	•••	•••	1
Industrial Schools	•••	•••	•••	35
Reformatories	•••	•••	•••	2
Gaols	•••	• • •	•••	28
Penal Establishmen	ts	•••	•••	7
	T-4-1			7.044
	Total	•••	•••	1,944

Proportion of deaths in public institutions.

341. It will be observed that the number who died in public institutions during the year was 1,944, and as the total number of deaths in the colony in the same period was 11,501, it follows that I person out of every 6 persons that died ended his life in a hospital, an asylum, or a gaol.

Vaccinations

342. The number of children vaccinated during the year was 22,376. The births during the year amounted, as has been already stated, to 28,100. By this it would appear that, notwithstanding the penalties provided for non-compliance with the requirements of the Vaccination Statute, not more than 80 per cent. of the children born in Victoria are vaccinated.

Meteorological observations, 1873.

343. The following is a summary of the meteorological observations taken during the year at stations in different parts of the colony:—

METEOROLOGICAL OBSERVATIONS AT VARIOUS STATIONS, 1873.

Height above				spheric ure.	on 1 Rain	int of all.	ive dity.	int of
Sea-level.	in the in the Max.	Min.	Mean.	Mear Atmo Press	Days which fell.	Amou Rainfa	Mear Relat Humi	Amount Cloud.
feet.	0	0	0	inches.	Ŋo.	inches.	0-I	0-10
37.0	•••	•••	62.0	2 9 . 994	186	30.77	.789	4. L
91.3	102.4	30.5	58.0	29.944	134	25.61	723	6.0
270.0		35.0	56.0	29.768	163	32.11	.885	7.4
758.0	105.6	32.4	58.8	29.228	115	20.24	.694	4.9
1,050.0		· · · ·	•••	•••	107	•		•••
1,438.0	101.0	27.8	56.0	28.510	119	27.49	.654	6.2
	above Sea-level. feet. 37.0 91.3 270.0 758.0 1,050.0	Height above Sea-level. Max.	Height above Sea-level. Max. Min.	above Sea-level. Max. Min. Mean.	Height above Sea-level. Max. Min. Mean. Mean.	feet. 0 0 inches. No. 37'0 62'0 29'994 186 270'0 100'0 35'0 56'0 29'768 163 758'0 105'6 32'4 58'8 29'228 115 1,050'0 107	feet. 0 0 inches. No. inches. 37.0 62.0 29.994 186 30.77 91.3 102.4 30.2 58.0 29.944 134 25.61 270.0 100.0 35.0 56.0 29.768 163 32.11 758.0 105.6 32.4 58.8 29.228 115 20.54 1,050.0 107 21.45	feet. 0 0 0 inches. No. inches. 0-1 37.0 62.0 29.994 186 30.77 .789 91.3 102.4 30.2 58.0 29.944 134 25.61 .723 270.0 100.0 35.0 56.0 29.768 163 32.11 .885 758.0 105.6 32.4 58.8 29.228 115 20.54 .694 1,050.0 107 21.45

344. The times at which the observations are taken Meteorwhereby the records of mean temperature and mean servations in atmospheric pressure are obtained differ at the various stations; but a correction is applied, in order to make the results equivalent to those which would be derived from hourly observations taken throughout the day and night. The following are the results for Melbourne in the ten years ending with the one under review:—

METEOROLOGICAL OBSERVATIONS, MELBOURNE, 1864-1873.

(Observatory 91.3 feet above sea-level.)

Year.		Temperature in the Shade.			Mean Atmospheric Pressure,	on h Rain	unt of	Mean Relative Humidity.	unt of
		Max.	Min.	Mean.	Mean Atmos Pressu	Days on which B fell.	Amount Rainfail.	Mean Relative Humidit	Amount Cloud.
		0	0	0	inches.	No.	inches.	0-I	0-10
1864		96.6	30.2	57.0	2 9 . 945	153	27.398	.723	6.1
1865		103.4	30.9	56.2	29.936	139	15.920	•678	5.6
1866		108.5	28.0	57.8	29.954	107	22.410	.697	5.2
1867	•••	108.4	29.7	57.7	29.918	133	25.790	.720	5.7
1868		110.0	27.4	57.1	29.977	I 20	18.270	.700	5.7
1869 .	• • •	108.4	27.0	57.2	29.938	129	24.286	.710	6.0
1870		109.0	29.6	57.4	29.930	129	33.764	.740	5.8
1871	•••	106.0	32.1	57.7	29.925	125	30.140	.740	5.9
1872	•••	103.3	32.2	57.6	29.923	136	32.251	.740	6.4
-0-4	•••	102.4	30.5	58.0	29.944	134	25.610	.723	6.0

345. It will be observed that the mean temperature Results was higher in the year under notice than in any other year of the decenniad; that the mean atmospheric pressure year of the decenniad; that the mean atmospheric pressure was higher than in any other year except 1864, 1866, and 1868; that rain fell on more days than in any other year except 1864, 1865, and 1872; but that the amount of rainfall was exceeded in all the years except 1865, 1866, 1868, and 1869; that the mean relative humidity was the same as that in 1864, and was greater than in any other year except the three years ended with 1872; also that the amount of cloud was the same as that in 1869, and was exceeded only in 1864 and 1872.