

**Annual report of the Medical Officer of Health [to] the Corporation of the City of Capetown.**

**Contributors**

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OF

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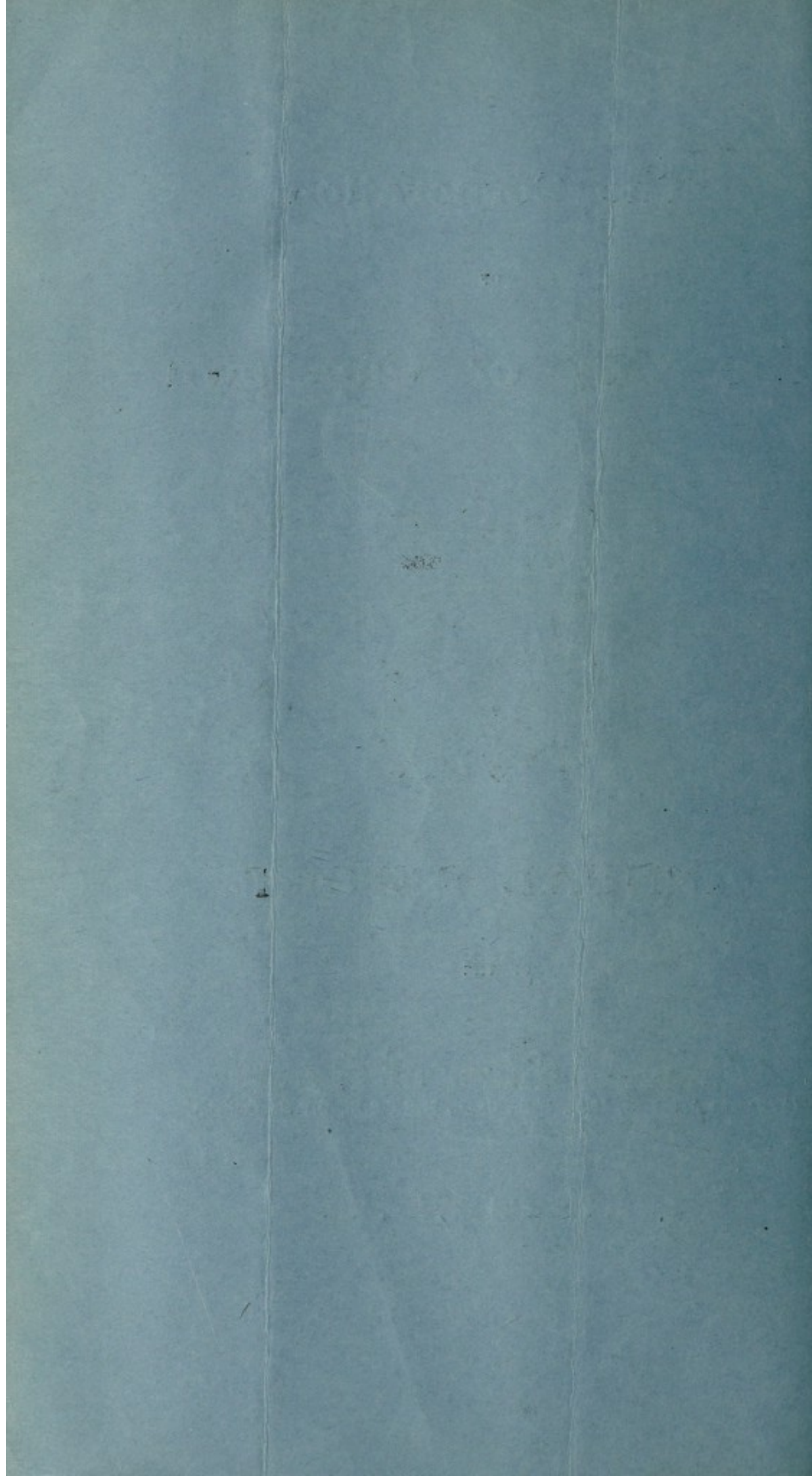
**ANNUAL REPORT**

OF THE

**Medical Officer of Health**

(A. JASPER ANDERSON, M.A., M.B., Oxon., M.R.C.S.E., D.P.H., Cantab.).

For the Year ended 30th June, 1922.





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# THE CORPORATION OF THE CITY OF CAPETOWN.

## APPENDIX No. 8.

### Annual Report of the Medical Officer of Health.

(A. JASPER ANDERSON, M.A., M.B., Oxon., M.R.C.S.E., D.P.H., Cantab.)

FOR THE YEAR ENDED 30TH JUNE, 1922.

#### *Foreword.*

TO HIS WORSHIP THE MAYOR  
AND COUNCILLORS OF THE CITY OF CAPETOWN.

GENTLEMEN,

In presenting my report on the Health of Capetown during the period July 1st, 1921, to June 30th, 1922, I wish to draw your attention particularly to the favourable vital statistics revealed in the report. The crude death-rate was 11.88 for Europeans, which is the lowest since Unification, the next lowest being 12.84 in 1915-1916, being 1 per 1,000 of the population higher; for non-Europeans 27.46 is the crude death-rate, which is also the lowest, the next lowest being 27.66 in the year 1915-1916. If the deaths of persons who came into the City for treatment or other causes are deducted, the death-rate for Europeans is the very favourable one of 10.63; and for non-Europeans 26.18, which is low for that section of the community; being the lowest on record for Europeans, and for the non-Europeans practically identical with that of 1915-1916. The death-rate from the principal infectious diseases is low. Thus there were no deaths from smallpox, measles, and scarlet fever; those from whooping cough and diarrhoea enormously decreased, and from enteric fever reduced about 20 per cent., but from diphtheria slightly increased. In the case of enteric fever and diphtheria there is considerable room for improvement, and indications up to date point to that occurring, which will be contributed to by the rapid connection of the drainage of the houses in the suburbs to the sewers.

The infant mortality figures are very encouraging and show that the increased attention paid by the Department and other agencies to infant welfare is bearing fruit. The rate amongst Europeans was 69, amongst non-Europeans 176, and all classes 137, being the lowest on record for the City.

The death-rate for the seven principal zymotic diseases was 0.33 for Europeans, 1.51 for non-Europeans, and 0.85 for All Classes. These rates may be considered very satisfactory when compared with similar rates for the previous year which were, 0.86, 3.52 and 2.06 respectively, and are the lowest on record.

These results have been arrived at in spite of the overcrowding and scarcity of house accommodation in the City, and speak volumes for the activity of the Department in carrying out its multifarious duties. The Health and Building Regulations Committee is to be congratulated.

I am,

Yours faithfully,

A. JASPER ANDERSON,  
(M.A., M.B., Oxon., M.R.C.S.E., D.P.H., Cantab.).  
Medical Officer of Health.



TO HIS WORSHIP THE MAYOR  
AND THE COUNCILLORS OF THE CITY OF CAPE TOWN.  
GENTLEMEN,

I have the honour to submit the Annual Report for the year ending 30th June, 1922, on the health of Capetown.

Since the issue of the previous report the only additional information with regard to the Census that I have received is the age distribution of the European Males and Females in Capetown, which is as follows:—

| Age Periods. | Males. | Females. |
|--------------|--------|----------|
| Under 1 year | 1,016  | 1,056    |
| 1 to 4       | 3,700  | 3,529    |
| 5 to 9       | 4,996  | 4,965    |
| 10 to 14     | 5,478  | 5,264    |
| 15 to 19     | 5,304  | 5,396    |
| 20 to 24     | 4,195  | 5,097    |
| 25 to 34     | 7,053  | 8,269    |
| 35 to 44     | 7,096  | 7,190    |
| 45 to 54     | 6,441  | 5,366    |
| 55 to 64     | 3,212  | 3,121    |
| 65 to 74     | 1,349  | 1,523    |
| 75 and over  | 426    | 643      |
|              | 50,266 | 51,419   |

It is pointed out that the ages of people of mixed race and of Asiatics will shortly be available, but with regard to the ages of Natives, details of actual age were not called for as the previous census has shown the unreliability of the information secured.

Only four age groups were adopted in taking the census of natives, namely:—

1. Infancy (children in arms).
2. Childhood (children 1 to 14 years).
3. Maturity (15 to 50 years).
4. Old age (over 50 years).

Using the indirect method of calculation on this age and sex distribution making use of the death rates per 1,000 living at different periods of life, male and female, for England and Wales, during the years 1901-1910, it is found that by this age and sex distribution the death-rate, which, for England and Wales was 15.19, was reduced to a standard death-rate of 14.004 owing to the large proportion of persons living at the ages where the death-rate was low, so that the factor for correcting the crude death-rate of Europeans for Capetown, to make them comparable with death-rates of other towns that are reduced to the comparison with the age and sex distribution in England and Wales, is 1.08469.

The estimated population made on the supposition that the rate of increase will be the same from 1921 onwards as from 1911 to 1921, is as under, and it is on these estimated populations that the various rates are calculated for the year 1921-1922.

Calculated Populations for the 31st December, 1921 (Middle of the Year).

| Race.                | Males. | Females. | Persons. |
|----------------------|--------|----------|----------|
| European .. .. .     | 51,060 | 52,460   | 103,520  |
| Non-European .. .. . | 40,317 | 42,213   | 82,530   |
| All Classes .. .. .  | 91,377 | 94,673   | 186,050  |

For calculated populations from the date of Union, with birth-rates, death-rates, zymotic rates and infant mortality, see Table D in the appendix.

#### BIRTHS.

For the period under review there were 6,770 births, 2,506 being Europeans, 4,262 non-Europeans and 2 males of race unknown; these two births I have classed as Illegitimate.

(The above births are such as have been registered up to September 1st, 1922.)

The births are classified as occurrences and are arranged in Table I. for the separate months of the year under report and for the previous year. For every hundred female births there were 107.3 male births amongst Europeans, and 104.1 amongst the non-Europeans, as compared with the previous two years, when the corresponding figures were 109.4 and 107.5 (1921) and 105.8 and 99.5 (1920) respectively.



TABLE I.  
BIRTHS FROM JULY 1ST, 1921, TO JUNE 30TH, 1922, IN THE CITY OF CAPETOWN, CLASSIFIED AS TO RACE, SEX, LEGITIMACY AND MONTH OF BIRTH  
AS REGISTERED UP TO 1ST SEPTEMBER, 1922, INCLUSIVE.

| Month.             | EUROPEAN.   |       |          |    |           |             |       |          |       |           | OTHER THAN EUROPEAN. |       |          |     |           |             |       |          |     |           |
|--------------------|-------------|-------|----------|----|-----------|-------------|-------|----------|-------|-----------|----------------------|-------|----------|-----|-----------|-------------|-------|----------|-----|-----------|
|                    | 1921-1922.† |       |          |    |           | 1920-1921.* |       |          |       |           | 1921-1922.†          |       |          |     |           | 1920-1921.* |       |          |     |           |
|                    | Legit.      |       | Illegit. |    | Total.    | Legit.      |       | Illegit. |       | Total.    | Legit.               |       | Illegit. |     | Total.    | Legit.      |       | Illegit. |     | Total.    |
|                    | M.          | F.    | M.       | F. | Per-sons. | M.          | F.    | M.       | F.    | Per-sons. | M.                   | F.    | M.       | F.  | Per-sons. | M.          | F.    | M.       | F.  | Per-sons. |
| July ..            | 95          | 117   | 8        | 4  | 103       | 121         | 224   | 119      | 91    | 210       | 124                  | 144   | 47       | 46  | 171       | 139         | 142   | 37       | 60  | 197       |
| August ..          | 82          | 91    | 6        | 5  | 88        | 96          | 184   | 112      | 111   | 223       | 115                  | 134   | 49       | 49  | 164       | 183         | 147   | 47       | 36  | 183       |
| September ..       | 103         | 86    | 9        | 8  | 112       | 94          | 206   | 106      | 84    | 190       | 168                  | 138   | 53       | 52  | 221       | 190         | 144   | 45       | 31  | 189       |
| October ..         | 118         | 81    | 6        | 2  | 124       | 83          | 207   | 103      | 91    | 194       | 147                  | 120   | 55       | 44  | 203       | 164         | 109   | 37       | 51  | 146       |
| November ..        | 104         | 82    | 9        | 6  | 113       | 88          | 201   | 115      | 86    | 199       | 113                  | 126   | 40       | 45  | 153       | 171         | 122   | 37       | 36  | 159       |
| December ..        | 111         | 91    | 6        | 6  | 117       | 97          | 214   | 138      | 98    | 236       | 146                  | 132   | 54       | 55  | 200       | 187         | 92    | 44       | 51  | 158       |
|                    |             |       | 1        | 9  | 22        |             |       | 1        | 9     | 21        |                      |       | 1        | 9   | 22        |             |       | 1        | 9   | 21        |
| January ..         | 106         | 86    | 8        | 11 | 114       | 97          | 211   | 96       | 94    | 190       | 132                  | 110   | 44       | 34  | 176       | 144         | 118   | 45       | 35  | 185       |
| February ..        | 95          | 94    | 7        | 11 | 102       | 105         | 207   | 87       | 101   | 188       | 118                  | 117   | 44       | 38  | 162       | 135         | 118   | 37       | 26  | 155       |
| March ..           | 99          | 112   | 4        | 5  | 103       | 117         | 220   | 93       | 86    | 179       | 143                  | 136   | 41       | 42  | 187       | 178         | 93    | 36       | 38  | 129       |
| April ..           | 105         | 85    | 4        | 8  | 109       | 93          | 202   | 88       | 107   | 195       | 127                  | 118   | 53       | 45  | 180       | 163         | 95    | 45       | 29  | 140       |
| May ..             | 105         | 108   | 10       | 5  | 115       | 113         | 228   | 92       | 94    | 199       | 119                  | 144   | 45       | 47  | 164       | 191         | 123   | 37       | 25  | 160       |
| June ..            | 91          | 94    | 6        | 11 | 97        | 105         | 202   | 99       | 88    | 187       | 134                  | 124   | 59       | 48  | 193       | 172         | 117   | 41       | 51  | 168       |
| Totals for Year .. | 1,214       | 1,127 | 83       | 82 | 1,297     | 1,209       | 2,506 | 1,248    | 1,131 | 2,379     | 1,589                | 1,543 | 585      | 545 | 2,174     | 2,088       | 1,471 | 488      | 472 | 1,959     |
|                    |             |       |          |    |           |             |       |          |       |           |                      |       |          |     |           |             |       |          |     | 1,822     |
|                    |             |       |          |    |           |             |       |          |       |           |                      |       |          |     |           |             |       |          |     | 3,781     |

† This Table does not include the 2 male births of race unknown, belonging to December, 1921 and April, 1922, classified as illegitimate on account of the circumstances of the cases.

\* This Table does not include the 2 births of race unknown (1 male and 1 female) belonging to February, 1921, classified as illegitimate on account of the circumstances of the cases.



The birth-rates were 24.21 for Europeans, 51.64 for non-Europeans, and 36.39 for All Classes as against the birth-rates in the previous two years of 25.33 for Europeans, 46.40 for non-Europeans and 34.81 for All Classes in 1921, and 26.17 for Europeans, 51.88 for non-Europeans and 37.89 for All Classes in 1920.

I am enabled, through the courtesy of the Director of Census supplying me with the requisite information, to calculate a truer birth-rate for Europeans, based on the number of females living between the ages of 15 and 45 years. This rate is 89.09 per 1,000, and is corrected by births not belonging to the City, in which the mothers have entered maternity homes for the confinement, being deducted. The number of females returned at the last Census as married is not yet available so that I cannot give the fertility rate. It will be clear to anyone that a birth-rate based on the general population is no guide to the fertility of the race.

The natural increase of the population during the year, taking the number of Births and Deaths in the gross, was 1,276 for Europeans, and 1,996 for non-Europeans as compared with the natural increase during the previous year of 1,162 for Europeans, and 1,128 for non-Europeans.

The percentages of illegitimate births of the total births were 6.6 for the European, and 26.5 for the non-European populations as compared with 5.9 for the Europeans and 25.4 for the non-Europeans in 1921, and 6.4 for Europeans and 24.7 for non-Europeans in 1920. In England and Wales for 1919, the percentage of illegitimate births was 6.1.

In Table B in the appendix the return of births in the City of Capetown for the year covered by this report as registered up to and including the 1st September, 1922, and classified as occurrences, is given for the separate Wards of the City. This Table also gives the number of still-births for the City and separate Wards.

For the purpose of comparison I give the following Birth-rates in other districts:—

TABLE II.  
COMPARATIVE TABLE OF BIRTH-RATES FOR VARIOUS CENTRES.

| District.   | Period.                     | European. | Other than European.         | All Classes. |
|---|-----------------------------|-----------|------------------------------|--------------|
| England and Wales .. .. .                             | 1921                        | ..        | ..                           | 22.4         |
| 96 Great Towns in England and Wales, including London | 1921                        | ..        | ..                           | 23.5         |
| 148 Smaller Towns in England and Wales .. .. .        | 1921                        | ..        | ..                           | 22.7         |
| London .. .. .  | 1921                        | ..        | ..                           | 22.8         |
| Durban .. .. .  | Year ended 31st July, 1922. | 26.83     | 51.62*                       | ..           |
| Pretoria .. .. .                                      | Year ended 30th June, 1922. | 27.04     | 16.84                        | ..           |
| Johannesburg .. .. .                                  | Year ended 30th June, 1922. | 28.94     | ..                           | ..           |
| Kimberley (Urban) .. .. .                             | Year ended 31st Dec., 1921. | 32.8      | Coloured. 57.3 Native*. 34.5 | 38.5         |
| Bloemfontein .. .. .                                  | Year ended 30th June, 1922. | 27.6      | ..                           | ..           |
| Pietermaritzburg .. .. .                              | Year ended 30th June, 1922. | 28.26     | ..                           | ..           |
| Port Elizabeth .. .. .                                | Year ended 31st Dec., 1922. | 28.30     | 40.60                        | ..           |
| East London .. .. .                                   | Year ended 30th June, 1922. | 27.0      | 41.0                         | 33.0         |
| Capetown .. .. .                                      | Year ended 30th June, 1921. | 25.33     | 46.40                        | 34.81        |
| Capetown .. .. .                                      | Year ended 30th June, 1922. | 24.21     | 51.64                        | 36.39        |

Vide Table D in the Appendix.

\* Asiatic Birth-rate.

TABLE III.

COMPARATIVE TABLE OF PERCENTAGES OF ILLEGITIMATE BIRTHS OF TOTAL BIRTHS  
FOR VARIOUS CENTRES.

| District.                      | Period.                     | European. | Other than European. |
|--------------------------------|-----------------------------|-----------|----------------------|
| England and Wales .. ..        | 1920                        | 4.7       | ..                   |
| Durban .. ..                   | Year ended 31st July, 1922. | 3.38      | ..                   |
| Pretoria .. ..                 | Year ended 30th June, 1922. | 3.35      | 17.31                |
| Johannesburg .. ..             | Year ended 30th June, 1922. | 2.34      | ..                   |
| Kimberley (Urban and Rural) .. | Year ended 31st Dec., 1922. | 3.68      | 25.00                |
| Bloemfontein .. ..             | Year ended 30th June, 1922. | 4.02      | ..                   |
| Port Elizabeth .. ..           | Year ended 31st Dec., 1922. | 6.4       | 23.1                 |
| East London .. ..              | Year ended 30th June, 1922. | 2.0       | 50.0                 |
| Capetown .. ..                 | Year ended 30th June, 1921. | 5.86      | 25.39                |
| Capetown .. ..                 | Year ended 30th June, 1922. | 6.58      | 26.51                |

*Vide* Table D in the Appendix.

### DEATHS.

The deaths for the year total 3,498, and of these 1,230 were Europeans, 2,266 were non-Europeans, and 2 were of race unknown. The 2 deaths of unknown race are the same cases as the 2 births of unknown race previously referred to in this Report. The gross death-rates were 11.88 for Europeans, 27.46 for non-Europeans, and 18.80 for All Classes as against 13.68 for Europeans, 32.56 for non-Europeans and 22.18 for All Classes in the previous year, and 12.92 for Europeans, 28.65 for non-Europeans and 20.09 for All Classes in the year 1919-1920.

The annexed Table (Table IV.), gives the Return of Deaths in Public Institutions, from which it will be seen that of the total European deaths, 37.89 per cent. died in Public Institutions and of the total non-Europeans deaths 18.14 per cent.



TABLE IV.

## RETURN OF DEATHS IN PUBLIC INSTITUTIONS.

| Institutions.                              | Total Deaths. |     | Deaths not belonging to City. |     | Deaths belonging to City. |     |
|--|---------------|-----|-------------------------------|-----|---------------------------|-----|
|  | E.            | O.  | E.                            | O.  | E.                        | O.  |
| Old Somerset Hospital .. .. .              | 49            | 62  | 22                            | 22  | 27                        | 40  |
| New Somerset Hospital .. .. .              | 105           | 115 | 26                            | 25  | 79                        | 90  |
| City Hospital .. .. .                      | 53            | 78  | 7                             | 5   | 46                        | 73  |
| Woodstock Cottage Hospital .. .. .         | 38            | 23  | 4                             | 1   | 34                        | 22  |
| Rondebosch and Mowbray Cottage Hospital    | 17            | 12  | 5                             | 4   | 12                        | 8   |
| The Monastery Nursing Home .. .. .         | 13            | ..  | 7                             | ..  | 6                         | ..  |
| Monte Rosa Hospital .. .. .                | 2             | ..  | ..                            | ..  | 2                         | ..  |
| The Orchards Nursing Home .. .. .          | 9             | ..  | ..                            | ..  | 9                         | ..  |
| Deaconess Hospital .. .. .                 | 12            | ..  | 5                             | ..  | 7                         | ..  |
| Tamboers Kloof, Nursing Home .. .. .       | 8             | ..  | 2                             | ..  | 6                         | ..  |
| Hof Street Nursing Home .. .. .            | 18            | ..  | 8                             | ..  | 10                        | ..  |
| Wheatfield Nursing Home .. .. .            | 2             | ..  | 1                             | ..  | 1                         | ..  |
| Beacon Nursing Home .. .. .                | 7             | ..  | 2                             | ..  | 5                         | ..  |
| Bloemhof Nursing Home .. .. .              | 7             | ..  | 2                             | ..  | 5                         | ..  |
| St. Monicas Home .. .. .                   | ..            | 3   | ..                            | ..  | ..                        | 3   |
| Dorcas Nursing Home .. .. .                | 2             | ..  | 1                             | ..  | 1                         | ..  |
| Rhodes Nursing Home .. .. .                | 3             | ..  | 1                             | ..  | 2                         | ..  |
| Waverley Maternity Home .. .. .            | 1             | ..  | ..                            | ..  | 1                         | ..  |
| *Peninsula Maternity Home .. .. .          | 6             | 10  | 2                             | 2   | 4                         | 8   |
| Sea Point Maternity Home .. .. .           | 2             | ..  | 1                             | ..  | 1                         | ..  |
| Booth Memorial Home .. .. .                | 7             | ..  | ..                            | ..  | 7                         | ..  |
| Sandgate Maternity Home .. .. .            | 1             | ..  | ..                            | ..  | 1                         | ..  |
| Vrede Oord Maternity Home .. .. .          | ..            | 7   | ..                            | 4   | ..                        | 3   |
| Magdalena Huis .. .. .                     | 2             | ..  | 2                             | ..  | ..                        | ..  |
| Cape Jewish Aged Home .. .. .              | 1             | ..  | ..                            | ..  | 1                         | ..  |
| Ladies' Christian Home .. .. .             | 2             | ..  | ..                            | ..  | 2                         | ..  |
| Nazareth House .. .. .                     | 9             | ..  | 1                             | ..  | 8                         | ..  |
| House of Mercy .. .. .                     | 2             | ..  | ..                            | ..  | 2                         | ..  |
| Valkenberg Mental Hospital—                |               |     |                               |     |                           |     |
| Mowbray Section .. .. .                    | 59            | ..  | 39                            | ..  | 20                        | ..  |
| Maitland Section .. .. .                   | 2             | 67  | 1                             | 52  | 1                         | 15  |
| Alexandra Hospital .. .. .                 | 4             | ..  | 4                             | ..  | ..                        | ..  |
| Docks Location .. .. .                     | ..            | 3   | ..                            | 3   | ..                        | ..  |
| Capetown Gaol .. .. .                      | 1             | 10  | ..                            | 5   | 1                         | 5   |
| House of Correction .. .. .                | ..            | 6   | ..                            | 2   | ..                        | 4   |
| Convict Station, Rentzkie's Farm .. .. .   | ..            | 1   | ..                            | ..  | ..                        | 1   |
| Lock Hospital .. .. .                      | ..            | 4   | ..                            | ..  | ..                        | 4   |
| *Oude Molen Chronic Sick Hospital .. .. .  | 3             | 3   | 2                             | ..  | 1                         | 3   |
| Victoria Cottage Hospital, Wynberg .. .. . | 12            | 4   | ..                            | ..  | 12                        | 4   |
| No. 1 Military Hospital, Wynberg .. .. .   | 6             | 2   | ..                            | ..  | 6                         | 2   |
| Plumstead Sanatorium .. .. .               | 1             | ..  | ..                            | ..  | 1                         | ..  |
| Simonstown Cottage Hospital .. .. .        | ..            | 1   | ..                            | ..  | ..                        | 1   |
| Totals .. .. .                             | 466           | 411 | 145                           | 125 | 321                       | 286 |

\* The Institution of the Peninsula Maternity Home was transferred from Ward 9 to Ward 6 on the 28th December, 1921, and the Institution of the Oude Molen Chronic Sick Hospital from Ward 11 to outside the City's boundaries on the 15th August, 1921.

There were 97 persons who died in public institutions and nursing homes who came from beyond the boundaries of the City for treatment, and who had been in the institutions long enough for their deaths to be considered as belonging to the City, and these were allocated to the Wards of the City in which the institutions to which they were admitted are situated.

The following figures show the number of these cases for each Institution and the Ward to which they were allocated:—

| Deaths. |    | Institutions.                               | Wards. |
|---------|----|---|--------|
| E.      | O. |   |        |
| 8       | 13 | Old Somerset Hospital .. .. .               | 2      |
| 2       | .. | New Somerset Hospital .. .. .               | 2      |
| 1       | .. | Dorcas Nursing Home .. .. .                 | 4      |
| 1       | .. | Nazareth House .. .. .                      | 6      |
| 26      | .. | Valkenberg Mental Hospital, Mowbray Section | 10     |
| 1       | 39 | Do. do. Maitland Section                    | 11     |
| 2       | .. | Alexandra Hospital .. .. .                  | 11     |
| ..      | 2  | Docks Location .. .. .                      | 2      |
| 2       | .. | Oude Molen Chronic Sick Hospital .. .. .    | 11     |
| 43      | 54 | Totals.                                     | —      |

There were also 41 deaths in institutions which were allocated to the Wards of the City in which the institutions are situated, as the cases were admitted to the institutions from unascertained addresses in the City. They were mostly of the vagrant classes. The following is the enumeration of same:—

| Deaths. |    | Institutions.                                  | Wards. |
|---------|----|--|--------|
| E.      | O. |  |        |
| 5       | 9  | Old Somerset Hospital .. .. .                  | 2      |
| 1       | 4  | New Somerset Hospital .. .. .                  | 2      |
| ..      | 1  | City Hospital .. .. .                          | 2      |
| 1       | .. | Dorcas Nursing Home .. .. .                    | 4      |
| ..      | 1  | Peninsula Maternity Home .. .. .               | 6      |
| 1       | .. | Ladies' Christian Home .. .. .                 | 5      |
| 7       | .. | Nazareth House .. .. .                         | 6      |
| 2       | .. | Valkenberg Mental Hospital, Mowbray Section .. | 10     |
| 1       | .. | Capetown Gaol .. .. .                          | 6      |
| ..      | 1  | House of Correction .. .. .                    | 6      |
| ..      | 2  | Lock Hospital .. .. .                          | 6      |
| ..      | 1  | Convict Station, Rentzkie's Farm .. .. .       | 11     |
| 1       | 3  | Oude Molen Chronic Sick Hospital .. .. .       | 11     |
| 19      | 22 | Totals.  | —      |

In order to ascertain a corrected death-rate for visitors, those persons dying within the City whose homes are outside are excluded, leaving the deaths for the City for all diseases, after deducting these deaths, 593 males and 508 females of the European population, and 1,137 males and 1,024 females of the non-European population.

For the City the death-rates for all diseases, corrected for visitors, are 10.63 for Europeans, 26.18 for non-Europeans and 17.54 for All Classes, as compared with the corresponding figures for the previous year of 12.03 for Europeans, 30.64 for non-Europeans and 20.41 for All Classes. The corresponding figures for the year 1919-1920 were 11.08 for Europeans, 27.06 for non-Europeans, and 18.36 for All Classes.

The accompanying figures will allow of some comparison being made of the death-rates in the City of Capetown, with those of England and Wales, 96 great towns and 148 smaller towns in England and Wales, London, and the other large towns in South Africa. But as death-rates are materially influenced by the proportions of persons living of the two sexes at different ages, it is usual to multiply these rates by a factor calculated to correct this influence. I am able to do this for Europeans only.



TABLE V.

COMPARATIVE TABLE OF DEATH RATES FOR VARIOUS CENTRES.

| Place.  | Period.                           | European<br>Death-<br>rate<br>Crude. | Corrected<br>European<br>Death-rate<br>for Visitors<br>only. | Corrected<br>European<br>Death-rate<br>for Visitors<br>and age<br>and sex<br>distribution. | Non-<br>European<br>Death-<br>rate<br>Crude. | Asiatic<br>Death-<br>rate<br>Crude. | Native<br>Death-<br>rate<br>Crude. | All<br>Classes<br>Crude. |
|---|-----------------------------------|--------------------------------------|--|--|--|-------------------------------------|------------------------------------|--------------------------|
| England and Wales ..  | 1921                              | ..                                   | ..   | ..   | ..   | ..                                  | ..                                 | 12.1                     |
| 96 Great Towns in Eng-<br>land and Wales (includ-<br>ing London). | 1921                              | ..                                   | ..   | ..   | ..   | ..                                  | ..                                 | 12.3                     |
| 148 Smaller Towns in<br>England and Wales.                        | 1921                              | ..                                   | ..   | ..   | ..   | ..                                  | ..                                 | 11.3                     |
| London .. .. .  | 1921                              | ..                                   | ..   | ..   | ..   | ..                                  | ..                                 | 12.4                     |
| Pretoria .. .. .  | Year ended<br>30th June,<br>1922. | ..                                   | 8.34   | ..   | 23.28*                                       | 17.35*                              | 15.79*                             | 16.50*                   |
| Johannesburg .. ..  | Year ended<br>30th June,<br>1922. | 12.75                                | 11.38  | ..   | 32.59  | 27.73                               | 18.39                              | 16.13                    |
| Kimberley (Urban) ..  | Year ended<br>31st Dec.,<br>1922. | 12.5                                 | 10.3   | ..   | 23.4   | ..                                  | 42.5                               | 24.5                     |
| Bloemfontein .. ..  | Year ended<br>30th June,<br>1922. | ..                                   | 7.5  | ..   | ..   | ..                                  | ..                                 | ..                       |
| Pietermaritzburg ..   | Year ended<br>30th June,<br>1922. | 13.15                                | 9.18   | ..   | 18.62  | 19.72                               | 28.96                              | ..                       |
| Port Elizabeth .. ..  | Year ended<br>31st Dec.,<br>1922. | 12.39                                | ..   | ..   | 31.60  | ..                                  | ..                                 | ..                       |
| East London .. ..   | Year ended<br>30th June,<br>1922. | 10.7                                 | 9.2  | ..   | 32.00  | ..                                  | ..                                 | 20.00                    |
| Durban .. .. .  | Year ended<br>31st July,<br>1922. | 12.04                                | 9.48   | ..   | ..   | 25.9                                | 11.24                              | ..                       |
| Capetown .. .. .  | Year ended<br>30th June,<br>1921. | 13.68                                | 12.03  | 13.05  | 32.56  | ..                                  | ..                                 | 22.18                    |
| Capetown .. .. .  | Year ended<br>30th June,<br>1922. | 11.88                                | 10.63  | 11.53  | 27.46  | ..                                  | ..                                 | 18.80                    |

\* Corrected for Visitors.

Factor of Correction for the City of Capetown is 1.08469.  
Vide Table D. in the Appendix.

## SEX.

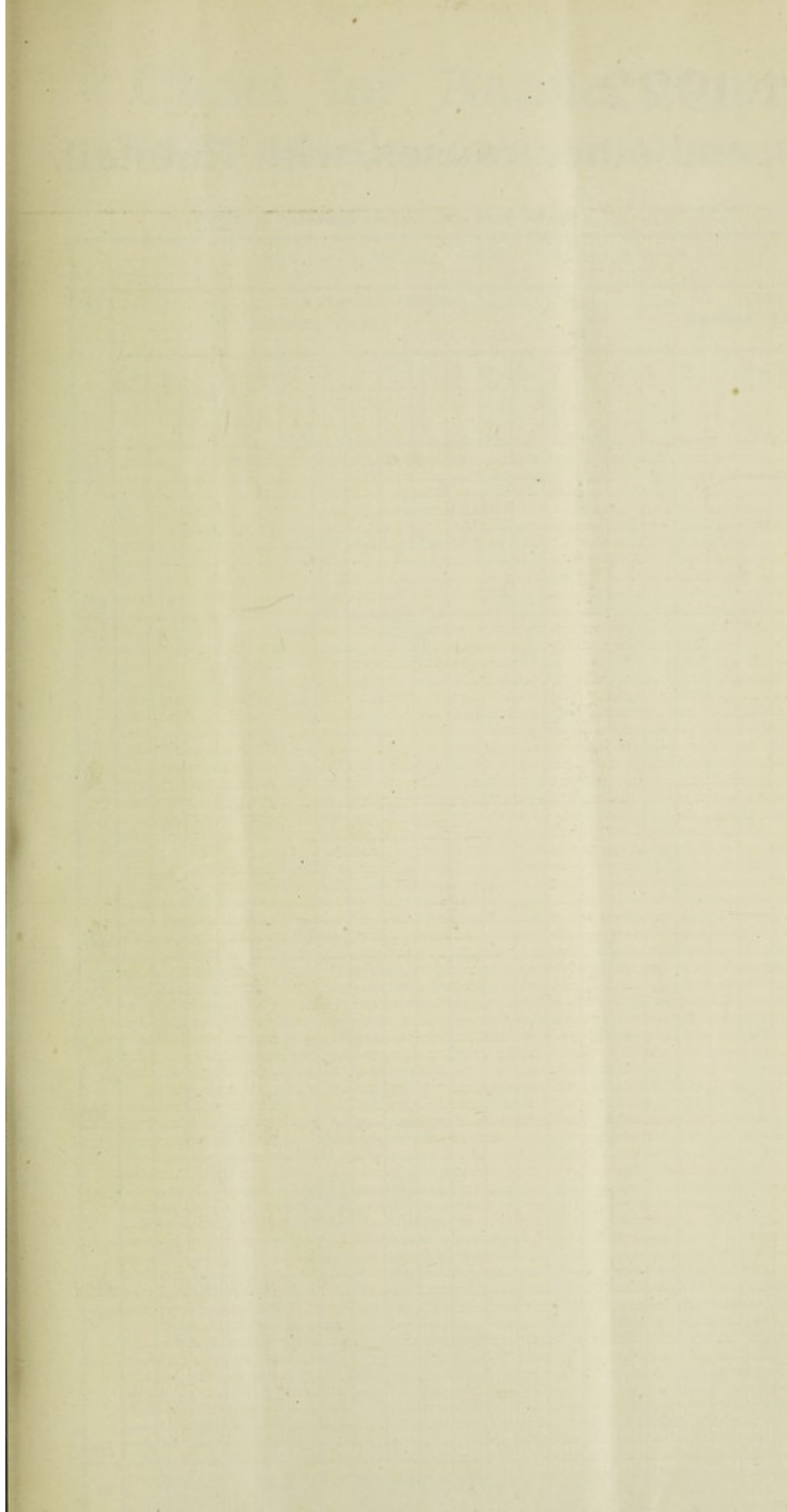
There were 672 deaths amongst European males, and 558 amongst European females. Of these, 79 deaths of males and 50 deaths of females did not belong to the Municipality, and after deducting these, the corrected death-rates per 1,000 European males were 11.61 and per 1,000 European females 9.68. With regard to the deaths of the non-European population, there were 1,196 males and 1,070 females, and of these, 59 males and 46 females did not belong to the Municipality, and on subtracting these, corrected death-rates of 28.20 per 1,000 males, and 24.26 per 1,000 females are arrived at.

## SEASONAL PREVALENCE.

In Table VI. the deaths are arranged as to the month in which they occur, divided into male and female deaths, and compared with similar figures for the previous year.

The European deaths were greatest in June (116), February (111), and July (108). With regard to the non-European population the deaths were largest in June (226), August (212), March (206) and December (205).

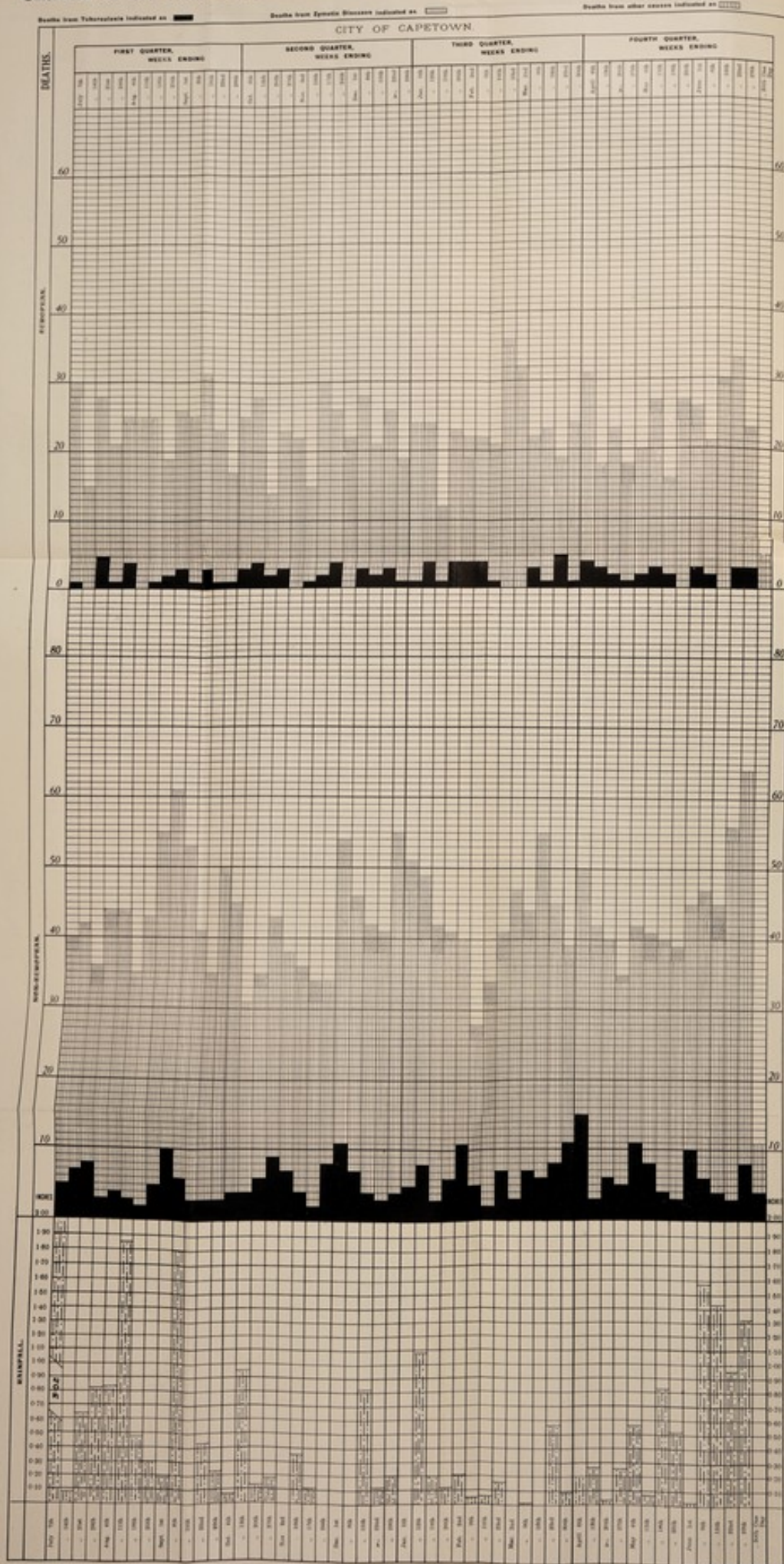
The increased deaths in June and August were caused by Bronchitis and Pneumonia; in March by Pulmonary Tuberculosis and by diseases of the Stomach for children under 1 year; and in December by diseases of the Stomach for children under 1 year of age.





# Chart for Annual Report 1922.

## Chart of Deaths from Tuberculosis, Zymotic Diseases, and other causes, with Rainfall.



# Chart for Annual Report 1922.

A. The two Deaths of the Poultry from Malaria when under more than one. Disposition as far advanced that they could not be identified. (One Death occurred in December 1921 and the other in April 1922).



TABLE VI.

SHOWING DEATHS CLASSIFIED INTO SEX, RACE, AND MONTH OF DEATH.

| Month.       | 1921-1922.† |     |         |                      |       |         | 1920-1921.* |     |         |                      |       |         |
|--------------|-------------|-----|---------|----------------------|-------|---------|-------------|-----|---------|----------------------|-------|---------|
|              | European.   |     |         | Other than European. |       |         | European.   |     |         | Other than European. |       |         |
|              | M.          | F.  | Totals. | M.                   | F.    | Totals. | M.          | F.  | Totals. | M.                   | F.    | Totals. |
| July ..      | 55          | 53  | 108     | 98                   | 87    | 185     | 60          | 57  | 117     | 134                  | 117   | 251     |
| August ..    | 49          | 52  | 101     | 111                  | 101   | 212     | 62          | 40  | 102     | 127                  | 131   | 258     |
| September .. | 57          | 49  | 106     | 104                  | 81    | 185     | 53          | 43  | 96      | 116                  | 111   | 227     |
| October ..   | 54          | 45  | 99      | 95                   | 79    | 174     | 58          | 51  | 109     | 94                   | 98    | 192     |
| November ..  | 47          | 51  | 98      | 88                   | 80    | 168     | 53          | 53  | 106     | 105                  | 97    | 202     |
| December ..  | 55          | 46  | 101     | 98                   | 107   | 205     | 84          | 69  | 153     | 119                  | 125   | 244     |
| January ..   | 52          | 39  | 91      | 110                  | 87    | 197     | 74          | 41  | 115     | 141                  | 132   | 273     |
| February ..  | 66          | 45  | 111     | 73                   | 71    | 144     | 50          | 66  | 116     | 112                  | 93    | 205     |
| March ..     | 67          | 34  | 101     | 107                  | 99    | 206     | 77          | 41  | 118     | 87                   | 113   | 200     |
| April ..     | 58          | 38  | 96      | 87                   | 96    | 183     | 65          | 56  | 121     | 125                  | 105   | 230     |
| May ..       | 47          | 55  | 102     | 103                  | 78    | 181     | 65          | 52  | 117     | 104                  | 99    | 203     |
| June ..      | 65          | 51  | 116     | 122                  | 104   | 226     | 53          | 42  | 95      | 78                   | 90    | 168     |
| Year ..      | 672         | 558 | 1,230   | 1,196                | 1,070 | 2,266   | 754         | 611 | 1,365   | 1,342                | 1,311 | 2,653   |

† This table does not include the 2 male deaths of unknown race, newly born, belonging to December, 1921 and April, 1922.

\* This table does not include the 2 deaths of unknown race (one male and one female, newly born) belonging to February, 1921.

The Chart facing this page gives the number of deaths of both Europeans and other than Europeans, the deaths from Tuberculosis and the 7 Zymotic diseases for each week of the year. An oblong represents one death—if black from Tuberculosis; if stippled, from a Zymotic Disease; and if shaded, from another cause.

The weekly rainfall is given at the bottom of the Chart for comparison.

## DEATHS AT VARIOUS AGES.

Of the 1,230 deaths amongst Europeans:—

|     |   |       |
|-----|---|-------|
| 173 | occurred under 1 year of age—i.e., a percentage of E. deaths of ... | 14.06 |
| 80  | .. between 1 and 5 years .. ..                                      | 6.50  |
| 104 | .. between 5 and 25 years .. ..                                     | 8.46  |
| 553 | .. between 25 and 65 years .. ..                                    | 44.96 |
| 320 | .. over 65 years .. ..  | 26.02 |

Of the 2,266 deaths amongst other than Europeans:—

|     |   |       |
|-----|---|-------|
| 752 | occurred under 1 year of age—i.e., a percentage of O. deaths of ... | 33.19 |
| 321 | .. between 1 and 5 years .. ..                                      | 14.17 |
| 296 | .. between 5 and 25 years .. ..                                     | 13.06 |
| 709 | .. between 25 and 65 years .. ..                                    | 31.29 |
| 188 | .. over 65 years .. ..  | 8.29  |

I am able to subjoin this year the death-rates for Europeans for the various ages, but the information has not yet been given of the distribution of the population as to ages amongst the non-Europeans as taken at the last Census.



TABLE VII.

SHOWING, FOR EUROPEANS, NUMBER OF PERSONS LIVING IN THE VARIOUS AGE-GROUPS, PERCENTAGES OF SAME OF TOTAL POPULATIONS, NUMBER OF DEATHS IN THE AGE-GROUPS, AND THE RESPECTIVE DEATH-RATES, ALL CLASSIFIED AS TO SEX.

|              | EUROPEAN.   |        |  |       |                  |     |                             |        |          |
|--------------|---|--------|--|-------|------------------|-----|-----------------------------|--------|----------|
|              | Calculated<br>Number living<br>in various<br>age-groups<br>at December<br>31st, 1921. |        | Percentage<br>of calculated<br>Total Population<br>living within<br>age-group. |       | Total<br>Deaths. |     | Death Rates<br>(per 1,000). |        |          |
|              | M.  | F.     | M.   | F.    | M.               | F.  | M.                          | F.     | Persons. |
| Under 1 Year | 1,032   | 1,077  | ·99  | 1·04  | 93               | 80  | 90·12                       | 74·28  | 82·03    |
| 1 to 5 ..    | 3,758   | 3,600  | 3·63   | 3·47  | 44               | 36  | 11·71                       | 10·00  | 10·87    |
| 5 to 15 ..   | 10,639  | 10,436 | 10·27  | 10·08 | 24               | 22  | 2·25                        | 2·11   | 2·13     |
| 15 to 25 ..  | 9,649   | 10,706 | 9·32   | 10·34 | 25               | 33  | 2·59                        | 3·08   | 2·85     |
| 25 to 35 ..  | 7,164   | 8,436  | 6·93   | 8·15  | 41               | 32  | 5·72                        | 3·79   | 4·68     |
| 35 to 45 ..  | 7,208   | 7,336  | 6·96   | 7·09  | 73               | 52  | 10·13                       | 7·09   | 8·59     |
| 45 to 55 ..  | 6,543   | 5,475  | 6·32   | 5·29  | 105              | 56  | 16·05                       | 10·23  | 13·40    |
| 55 to 65 ..  | 3,262   | 3,184  | 3·15   | 3·07  | 123              | 71  | 37·71                       | 22·30  | 30·96    |
| 65 to 75 ..  | 1,373   | 1,554  | 1·32   | 1·52  | 84               | 80  | 61·18                       | 51·81  | 56·03    |
| 75 and over  | 432   | 656    | ·42  | ·64   | 60               | 96  | 138·89                      | 146·34 | 143·38   |
| Total ..     | 51,060  | 52,460 | 49·31  | 50·69 | 672              | 558 | 13·16                       | 10·64  | 11·88    |

**Infant Mortality.**—The Infant Mortality is measured by calculating the number of children under 1 year of age who died out of 1,000 births during the period under consideration, and to some extent this rate is a rough index of the sanitary condition of a district, and is the most reliable rate in this report.

During the year there were 173 deaths of Europeans, 752 other than Europeans, and 2 whose race could not be ascertained, making a total of 927 deaths under 1 year of age, being 242 deaths less than in the previous year.

The births during the period under review were 2,506 Europeans, 4,262 non-Europeans, and 2 of race unknown, giving a total of 6,770 for All Classes, as registered up to and including the 1st September, 1922.

The Infant Mortality for Europeans was 69.03. For the two preceding years it was 101.05 in 1921, and 81.51 in 1920.

With regard to the non-Europeans the Infant Mortality was 176.44 compared with 237.77 in 1921, and 183.76 in 1920.

The Infant Mortality for All Classes for the present year was 136.93, as against 185.26 for 1921, and 145.31 for 1920.

The accompanying Table (Table VIII.) gives the deaths amongst infants for each month of the year, divided into race and sex, together with the corresponding figures for the previous year.

For Europeans the increased deaths in February were caused by a general increase, no particular disease being in excess.

The causes of the increased non-European deaths in June and September were Bronchitis and Pneumonia; in August, Bronchitis; in December, diseases of the stomach; and in March, Diarrhoea and diseases of the stomach.



TABLE VIII.

DEATHS OF CHILDREN UNDER 1 YEAR CLASSIFIED INTO SEX, RACE, AND MONTH OF DEATH.

| Month.       | 1921-1922.† |    |        |                      |     |        | 1920-1921.* |     |        |                      |     |        |
|--------------|-------------|----|--------|----------------------|-----|--------|-------------|-----|--------|----------------------|-----|--------|
|              | European.   |    |        | Other than European. |     |        | European.   |     |        | Other than European. |     |        |
|              | M.          | F. | Totals | M.                   | F.  | Totals | M.          | F.  | Totals | M.                   | F.  | Totals |
| July ..      | 4           | 11 | 15     | 31                   | 29  | 60     | 13          | 6   | 19     | 44                   | 45  | 89     |
| August ..    | 6           | 6  | 12     | 39                   | 34  | 73     | 12          | 5   | 17     | 42                   | 38  | 80     |
| September .. | 8           | 6  | 14     | 45                   | 31  | 76     | 9           | 6   | 15     | 44                   | 33  | 77     |
| October ..   | 7           | —  | 7      | 33                   | 19  | 52     | 6           | 12  | 18     | 30                   | 29  | 59     |
| November ..  | 5           | 6  | 11     | 29                   | 26  | 55     | 13          | 10  | 23     | 34                   | 42  | 76     |
| December ..  | 6           | 7  | 13     | 43                   | 30  | 73     | 22          | 22  | 44     | 52                   | 48  | 100    |
| January ..   | 8           | 7  | 15     | 36                   | 23  | 59     | 16          | 9   | 25     | 56                   | 45  | 101    |
| February ..  | 15          | 8  | 23     | 29                   | 24  | 53     | 3           | 17  | 20     | 38                   | 25  | 63     |
| March ..     | 11          | 8  | 19     | 37                   | 33  | 70     | 15          | 5   | 20     | 36                   | 36  | 72     |
| April ..     | 9           | 8  | 17     | 28                   | 28  | 56     | 16          | 11  | 27     | 35                   | 32  | 67     |
| May ..       | 9           | 8  | 17     | 30                   | 19  | 49     | 10          | 10  | 20     | 34                   | 30  | 64     |
| June ..      | 5           | 5  | 10     | 45                   | 31  | 76     | 8           | 12  | 20     | 28                   | 23  | 51     |
| Year ..      | 93          | 80 | 173    | 425                  | 327 | 752    | 143         | 125 | 268    | 473                  | 426 | 899    |

† This table does not include the 2 male deaths of unknown race, newly-born, belonging to December, 1921, and April, 1922.

\* This table does not include the 2 deaths of unknown race (one male and one female, newly-born) belonging to February, 1921.

The Infant Mortality varies greatly in the different quarters, being usually highest in the three months: January, February and March (the figures for October, November and December, 1918, being swollen by the late epidemic), and least in the three months: July, August and September.

The figures for the different quarters in the year under review, together with the three previous years, are as follows:—

| Quarters.                         | 1921-1922. |               | 1920-1921. |               | 1919-1920. |               | 1918-1919. |               |
|-----------------------------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|
|                                   | European.  | Non-European. | European.  | Non-European. | European.  | Non-European. | European.  | Non-European. |
| July, August and Sept.            | 66.77      | 186.77        | 77.15      | 227.57        | 81.30      | 188.01        | 57.85      | 175.21        |
| October, November and December .. | 49.84      | 166.97        | 126.11     | 257.96        | 72.89      | 143.44        | 179.89     | 559.16        |
| Jan., Feb. and March              | 89.34      | 181.64        | 110.54     | 265.76        | 93.65      | 202.51        | 122.00     | 201.23        |
| April, May and June               | 69.62      | 170.27        | 110.93     | 202.00        | 78.52      | 208.25        | 101.42     | 249.62        |

It is interesting to compare the Infant Mortality of the separate Wards into which the City is divided, and for that purpose I have prepared the following Table.

An inspection of this Table shows that the Infant Mortality for Europeans varies thus:—

|                                 |                                 |
|---------------------------------|---------------------------------|
| 21.28 in Ward 5 (Park).         | 68.18 in Ward 3 (West Central). |
| 25.51 in Ward 1 (Sea Point).    | 76.92 in Ward 13 (Claremont).   |
| 41.67 in Ward 4 (Kloof).        | 90.10 in Ward 12 (Rondebosch).  |
| 44.12 in Ward 14 (Kalk Bay).    | 93.20 in Ward 8 (Woodstock).    |
| 50.42 in Ward 10 (Mowbray).     | 97.09 in Ward 11 (Maitland).    |
| 56.34 in Ward 6 (East Central). | 98.36 in Ward 9 (Salt River).   |
| 65.22 in Ward 7 (Castle).       | 103.45 in Ward 2 (Harbour).     |

The range for the Non-European population was:—

|                                  |                                  |
|----------------------------------|----------------------------------|
| 114.98 in Ward 4 (Kloof).        | 162.54 in Ward 8 (Woodstock).    |
| 116.56 in Ward 10 (Mowbray).     | 169.01 in Ward 7 (Castle).       |
| 121.62 in Ward 5 (Park).         | 187.50 in Ward 9 (Salt River).   |
| 129.94 in Ward 14 (Kalk Bay).    | 193.92 in Ward 12 (Rondebosch).  |
| 130.10 in Ward 2 (Harbour).      | 196.84 in Ward 6 (East Central). |
| 135.13 in Ward 1 (Sea Point).    | 203.91 in Ward 11 (Maitland).    |
| 149.57 in Ward 3 (West Central). | 220.30 in Ward 13 (Claremont).   |



TABLE IX.

DEATHS OF CHILDREN UNDER 1 YEAR CLASSIFIED IN WARDS AND FOR THE CITY OF CAPE TOWN, TOGETHER WITH THE RESPECTIVE INFANT MORTALITY.

| Item.                            | WARDS.             |               |                        |             |            |                        |                   |                      |                     |                     |                      |                             |                       |                    | City.<br>* |                 |
|----------------------------------|--------------------|---------------|------------------------|-------------|------------|------------------------|-------------------|----------------------|---------------------|---------------------|----------------------|-----------------------------|-----------------------|--------------------|------------|-----------------|
|                                  | 1<br>Sea<br>Point. | 2<br>Harbour. | 3<br>West.<br>Central. | 4<br>Kloof. | 5<br>Park. | 6<br>East.<br>Central. | 7<br>Castle.<br>* | 8<br>Wood-<br>stock. | 9<br>Salt<br>River. | 10<br>Mow-<br>bray. | 11<br>Mait-<br>land. | 12<br>Ronde-<br>bosch.<br>* | 13<br>Clare-<br>mont. | 14<br>Kalk<br>Bay. |            | Out of<br>City. |
| European Deaths ..               | 5                  | 9             | 3                      | 6           | 3          | 8                      | 9                 | 37                   | 35                  | 12                  | 10                   | 10                          | 14                    | 3                  | 8          | 173             |
| Other than European<br>Deaths .. | 5                  | 16            | 35                     | 33          | 9          | 137                    | 108               | 46                   | 57                  | 19                  | 73                   | 83                          | 89                    | 23                 | 19         | 752             |
| <i>Infant Mortality.</i>         |                    |               |                        |             |            |                        |                   |                      |                     |                     |                      |                             |                       |                    |            |                 |
| European ..                      | 25.51              | 103.45        | 68.18                  | 41.67       | 21.28      | 56.34                  | 65.22             | 93.20                | 98.36               | 50.42               | 97.09                | 90.10                       | 76.92                 | 44.12              | ..         | 69.03           |
| Other than European ..           | 135.13             | 130.10        | 149.57                 | 114.98      | 121.62     | 196.84                 | 169.01            | 162.54               | 187.50              | 116.56              | 203.91               | 193.92                      | 220.30                | 129.94             | ..         | 176.44          |
| All Classes ..                   | 42.92              | 119.05        | 136.09                 | 90.49       | 55.81      | 173.03                 | 151.68            | 122.06               | 138.80              | 77.31               | 180.04               | 174.07                      | 175.77                | 106.12             | ..         | 136.93          |

\* The Births and the Deaths of the two Infants of Race unknown are included in the calculations for all classes.

In the first column of Table A in the Appendix, the causes of death of children under 12 months of age are given both for Europeans and other than Europeans; but in Table X these deaths are classified as to age at death and cause of death.

From this Table it can be calculated that amongst the Europeans 23.70 per cent. of deaths occurred in the first week and 38.73 in the first month of life of the total European deaths under 1 year. For the population termed other than European, the percentages of the deaths were 15.96 for the deaths under 1 week, and 29.92 for those under one month of the total deaths under one year.





|  |
|--|
|  |
|--|

[illegible]

## AGES AT AND CAUSES OF DEATH OF CHILDREN UNDER 1 YEAR—continued.

| DISEASE.                                     | RACE. | Under 1 day. | Under 2 days. | Under 3 days. | Under 4 days. | Under 5 days. | Under 6 days. | Under 7 days. | Under 1 week. | Under 2 weeks. | Under 3 weeks. | Under 4 weeks. | Under 1 month. | Under 2 months. | Under 3 months. | Under 4 months. | Under 5 months. | Under 6 months. | Under 7 months. | Under 8 months. | Under 9 months. | Under 10 months. | Under 11 months. | Under 12 months. | TOTAL UNDER 1 YEAR. |
|--|-------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|---------------------|
| Umbilical Hemorrhage                         | E     | ...          | ...           | ...           | ...           | ...           | ...           | ...           | ...           | ...            | ...            | ...            | ...            | ...             | ...             | ...             | ...             | ...             | ...             | ...             | ...             | ...              | ...              | ...              | ...                 |
| Death due to Prolonged Labour                | E     | ...          | ...           | ...           | ...           | ...           | ...           | ...           | ...           | ...            | ...            | ...            | ...            | ...             | ...             | ...             | ...             | ...             | ...             | ...             | ...             | ...              | ...              | ...              | ...                 |
| Other Accidents to Child through Parturition | E     | 1            | ...           | ...           | ...           | ...           | ...           | ...           | ...           | ...            | ...            | ...            | ...            | ...             | ...             | ...             | ...             | ...             | ...             | ...             | ...             | ...              | ...              | ...              | ...                 |
| Debility                                     | E     | 1            | 1             | ...           | ...           | ...           | ...           | ...           | ...           | ...            | ...            | ...            | ...            | ...             | ...             | ...             | ...             | ...             | ...             | ...             | ...             | ...              | ...              | ...              | ...                 |
| Abscess                                      | E     | 6            | 3             | 1             | 1             | 1             | 1             | ...           | ...           | ...            | ...            | ...            | ...            | ...             | ...             | ...             | ...             | ...             | ...             | ...             | ...             | ...              | ...              | ...              | ...                 |
| Causes not Specified or ill-defined          | E     | 2            | ...           | ...           | ...           | ...           | ...           | ...           | ...           | ...            | ...            | ...            | ...            | ...             | ...             | ...             | ...             | ...             | ...             | ...             | ...             | ...              | ...              | ...              | ...                 |
| TOTALS                                       | E     | 22           | 8             | 4             | 2             | 2             | 2             | 1             | 41            | 12             | 9              | 5              | 67             | 15              | 17              | 13              | 9               | 14              | 15              | 4               | 8               | 4                | 3                | 4                | 173                 |
|  | O     | 2            | 20            | 21            | 13            | 9             | 4             | 17            | 120           | 53             | 32             | 20             | 225            | 70              | 58              | 51              | 55              | 46              | 53              | 44              | 39              | 48               | 36               | 27               | 752                 |
| TOTAL ALL CLASSES                            |       | 60           | 28            | 25            | 15            | 11            | 6             | 18            | 163           | 65             | 41             | 25             | 294            | 85              | 75              | 64              | 64              | 60              | 68              | 48              | 47              | 52               | 39               | 31               | 927                 |

\* Deaths of 2 Infants of Race Unknown (Decomposed).



The deaths from the principal causes have been classified as shown in the annexed Table (Table XI), and the rates on 100,000 births calculated both for Europeans and other than Europeans for the City of Capetown for the year under consideration and for the previous year.

TABLE XI.  
INFANT MORTALITY FOR CERTAIN DISEASES, CALCULATED ON 100,000 BIRTHS.

| Diseases Certified as Cause of Death.   | EUROPEAN.  |  | OTHER THAN EUROPEAN.                                   |  |
|---|--|--|--|--|
|   | City of Cape-town, 1st July, 1921, to 30th June, 1922. | City of Cape-town, 1st July, 1920, to 30th June, 1921. | City of Cape-town, 1st July, 1921, to 30th June, 1922. | City of Cape-town, 1st July, 1920, to 30th June, 1921. |
| Zymotic diseases* (Measles, Diphtheria, Scarlet Fever, Enteric Fever and Whooping Cough) .. | ..   | 277.0  | 117.3  | 634.7  |
| Tuberculosis .. .. .  | 119.7  | 39.5   | 93.8   | 211.5  |
| Diarrhoea, want of Breast-milk and diseases of Digestive Organs ..                          | 2434.1   | 3640.6   | 4551.8   | 8019.5   |
| Premature births, Atelectasis and congenital malformations ..                               | 1795.6   | 2334.7   | 2651.3   | 2962.1   |
| Convulsions and Meningitis ..   | 478.8  | 672.7  | 1665.8   | 2036.4   |
| Diseases of Respiratory Organs ..   | 1077.4   | 1543.3   | 5349.6   | 6162.3   |
| Debility .. .. .  | 438.9  | 949.7  | 1407.7   | 1825.0   |

As will be seen from the foregoing Table, there have been large decreases in all the European rates for the present year as compared with the previous with the exception of the death-rate for Tuberculosis, which is treble that of the previous year. There were no European Infant deaths from Zymotic Diseases. All the non-European rates for the present year are much below those of the previous year.

TABLE XII.  
COMPARATIVE TABLE OF INFANT MORTALITY FOR VARIOUS CENTRES.

| District.   | Period.                         | European calculated on per 1,000 births. | Other than European calculated on per 1,000 births. |
|---|---------------------------------|--|---|
| England and Wales .. ..                               | 1921                            | 83.00                                    | ..  |
| 96 Great Towns in England and Wales, including London | 1921                            | 87.00                                    | ..  |
| 148 Smaller Towns in England and Wales .. ..          | 1921                            | 84.00                                    | ..  |
| London .. .. .  | 1921                            | 79.00                                    | ..  |
| Durban .. .. .  | Year ended 31st July, 1922.     | 78.19                                    | ..  |
| Pretoria .. .. .                                      | Year ended 30th June, 1922.     | 61.75                                    | 387.6   |
| Johannesburg .. ..                                    | Year ended 30th June, 1922.     | 86.60                                    | 209.14  |
| Kimberley (Urban) .. ..                               | Year ended 31st December, 1922. | 70.1                                     | 147.3   |
| Bloemfontein .. .. .                                  | Year ended 30th June, 1922.     | 50.3                                     | ..  |
| Pietermaritzburg .. ..                                | Year ended 30th June, 1922.     | 53.84                                    | ..  |
| Port Elizabeth .. .. .                                | Year ended 31st December, 1922. | 91.7                                     | 270.3   |
| East London .. .. .                                   | Year ended 30th June, 1922.     | 75.0                                     | 280.0   |
| Capetown .. .. .                                      | Year ended 30th June, 1921.     | 101.05                                   | 237.77  |
| Capetown .. .. .                                      | Year ended 30th June, 1922.     | 69.03                                    | 176.44  |

Vide Table D in the Appendix.



*Old Age.*—There were 29 persons who died at 90 years of age and over as against 35 in the previous year. Six were European males, 8, European females, 6, non-European males and 9, non-European females. Of the 6 European males, 1 died at 100 years and 11 months, 1 at 93 years, 2 at 92 years, 1 at 91 years and 1 at 90 years; of the 8 European females 1 died at 96, 1 at 94, 2 at 92 and 4 at 90; of the 6 non-European males, 1 died at 98, 1 at 95, 2 at 92, 1 at 91 and 1 at 90; of the 9 non-European females, 1 died at 104, 3 at 101, 1 at 100, 1 at 94, 1 at 92 and 2 at 90. In most of the cases they had either been born in the City of Capetown, or in its neighbourhood, or had lived there many years.

## CAUSES OF DEATHS.

In Table A. in the Appendix will be found a full classification of deaths, giving the causes, ages, race and wards of the City, and from the summary thereof it is seen that the total deaths are classified into 9 classes and the percentages of the deaths in each class of the total deaths amongst the European and other than European Populations respectively are given below.

| Class | I. Zymotic Diseases                         | .. .. | 172 E.       | Deaths, or 13·99% of E. | Deaths |
|-------|---|-------|--------------|-------------------------|--------|
|       |   |       | 510 Non-E.   | 22·51% „ Non-E.         | ..     |
| ..    | II Parasitic Diseases                       | .. .. | 2 E.         | 0·16% „ E.              | ..     |
| ..    |   |       | 2 Non-E.     | 0·09% „ Non-E.          | ..     |
| ..    | III. Dietetic Diseases                      | .. .. | Nil. E.      | Nil. „ E.               | ..     |
| ..    |   |       | 2 Non-E.     | 0·09% „ Non-E.          | ..     |
| ..    | IV. Constitutional Diseases                 | .. .. | 131 E.       | 10·65% „ E.             | ..     |
| ..    |   |       | 76 Non-E.    | 3·35% „ Non-E.          | ..     |
| ..    | V. Developmental Diseases                   | .. .. | 86 E.        | 7·00% „ E.              | ..     |
| ..    |   |       | 154 Non-E.   | 6·80% „ Non-E.          | ..     |
| ..    | VI. Local Diseases..                        | .. .. | 752 E.       | 61·13% „ E.             | ..     |
| ..    |   |       | 1,379 Non-E. | 60·86% „ Non-E.         | ..     |
| ..    | VII. Deaths from Violence                   | .. .. | 71 E.        | 5·77% „ E.              | ..     |
| ..    |   |       | 54 Non-E.    | 2·38% „ Non-E.          | ..     |
| ..    | VIII. Accident to Child through Parturition | .. .. | 1 E.         | 0·09% „ E.              | ..     |
| ..    |   |       | 10 Non-E.    | 0·44% „ Non-E.          | ..     |
| ..    | IX. Unspecified & ill-defined causes        | .. .. | 15 E.        | 1·21% „ E.              | ..     |
| ..    |   |       | 79 Non-E.    | 3·48% „ Non-E.          | ..     |

*Zymotic Diseases.*—The deaths from the principal Zymotic diseases in the City of Capetown for the year under review, and (for comparison) for the period: 1st July, 1920, to 30th June, 1921, were as follows:—

## ZYMOTIC DISEASES.

| Zymotic Diseases.                 | Race.          | City of Capetown,<br>12 months<br>1921-1922. | City of Capetown,<br>12 months<br>1920-1921. |
|-----------------------------------|----------------|--|--|
| Small Pox .. ..                   | { E.<br>Non-E. | Nil.<br>Nil.                                 | Nil.<br>Nil.                                 |
| Measles .. ..                     | { E.<br>Non-E. | Nil.<br>Nil.                                 | 2<br>27                                      |
| Scarlet Fever .. ..               | { E.<br>Non-E. | Nil.<br>Nil.                                 | 2<br>Nil.                                    |
| Whooping Cough .. ..              | { E.<br>Non-E. | Nil.<br>5                                    | 16<br>41                                     |
| Diphtheria and Croup .. ..        | { E.<br>Non-E. | 9<br>6                                       | 6<br>3                                       |
| Enteric and Continued Fever .. .. | { E.<br>Non-E. | 27<br>46                                     | 42<br>51                                     |
| Diarrhoea and Dysentery .. ..     | { E.<br>Non-E. | 6<br>73                                      | 30<br>179                                    |
| Totals .. ..                      | { E.<br>Non-E. | 42<br>130                                    | 98<br>301                                    |



The death-rate for the 7 principal Zymotic Diseases are:—European, 0.40; non-European, 1.57, and All Classes, 0.92. For England and Wales in 1920 the rate was 0.81.

The number of deaths from Zymotic Diseases amongst Europeans belonging to Capetown was 34, and other than Europeans 125 and All Classes 159. Of the European Deaths from Zymotic Diseases there was 1 from Diphtheria, 6 from Enteric Fever and 1 from Diarrhœa, which did not belong to the City. For the non-European population there were 4 deaths from Enteric Fever and 1 from Diarrhœa not belonging to the City. The corrected Zymotic death-rates are, therefore, 0.33 for Europeans, 1.51 for non-Europeans and 0.85 for All Classes. For the previous year the gross Zymotic death-rates were 0.98 for Europeans, 3.69 for non-Europeans and 2.20 for All Classes, and the corrected Zymotic death-rates, 0.86 for Europeans, 3.52 for non-Europeans and 2.06 for All Classes.

*Measles*.—There were no deaths from this disease which is not notifiable.

*Whooping Cough*.—The death-rates for this disease for the present year were: Nil for Europeans, 0.06 for the non-Europeans, and 0.03 for All Classes as against 0.16 for Europeans, 0.5 for non-Europeans, and 0.31 for All Classes in the previous year, and 0.10 for Europeans, 0.36 for non-Europeans, and 0.22 for All Classes in 1920. The death-rate for Whooping Cough in 1920 in England and Wales was 0.12, and for 1919 in London, 0.05.

*Diarrhœa and Dysentery*.—The deaths from these causes were much less this year than for the previous year.

The cases of notifiable diseases will be dealt with under "Notification of Infectious Diseases" in Part II.

#### OTHER DISEASES.

*Cancer*.—Amongst Constitutional Diseases, Cancer accounts for the deaths of 50 males and 55 females amongst the Europeans and 21 males and 32 females amongst the non-European population, and of these 14 European males, 5 non-European males and 5 non-European females had been brought into the City for treatment, so that the corrected death-rates per million were 879 for Europeans and 521 for non-Europeans, as against 1087 for Europeans and 478 for non-Europeans in the previous year, and 801 for Europeans and 360 for non-Europeans in 1920. The crude Cancer death-rates for England and Wales in 1920 were: 1097 for males and 1219 for females per million of each sex.

*Venereal Diseases*.—There were 8 deaths of Europeans and 47 of non-Europeans registered during the year (see Treatment of Venereal Disease later).

*Nervous System*.—The deaths ascribed to the diseases of this system were 137 Europeans and 218 other than Europeans, as compared with 138 Europeans and 209 other than Europeans in the previous year.

*Circulatory System*.—There were 214 European deaths and 170 non-European deaths from diseases of this system, as against 233 European and 155 non-European deaths in the previous year.

*Respiratory System*.—The deaths certified as due to diseases of the Respiratory System number 170 Europeans and 618 non-Europeans, giving death-rates of 1.64 for Europeans and 7.49 for non-Europeans, per 1,000 of each class, as compared with the corresponding figures for the previous year of 1.54 for Europeans and 8.37 for non-Europeans.

*Digestive System*.—There were 415 deaths certified as due to diseases of the Digestive System (142 Europeans and 273 non-Europeans) as compared with 512 deaths (163 Europeans and 349 non-Europeans) in the previous year.

*Violence*.—The deaths from these causes amounted to 125, and of these, 71 were Europeans and 54 non-Europeans as compared with 132 deaths (62 Europeans and 70 non-Europeans) in the previous year.

#### PART II.

### NOTIFICATION OF INFECTIOUS DISEASES.

PREPARED BY DR. A. W. REID, ASSISTANT MEDICAL OFFICER OF HEALTH.

The Public Health Act No. 36 of 1919, promulgated on the 24th June, 1919, came into operation on the 1st of January, 1920, repealing Acts 4 of 1883, 39 of 1885 and 23 of 1897 of this Province. Under Section 18 the provisions of the new Act, in so far as they concern notifiable infectious diseases, apply to small-pox (which term shall be deemed to include the form known as "Amaas" or Kafir-pox and any other disease resembling small-pox (except chicken-pox), scarlatina, or



scarlet fever, typhus fever, diphtheria or membranous croup, erysipelas, puerperal fever (including septicaemia, pyaemia, septic pelvic cellulitis, or other serious septic condition occurring during the puerperal state), Asiatic cholera, enteric or typhoid fever (including para-typhoid fever), epidemic cerebro-spinal meningitis or cerebro-spinal fever, acute poliomyelitis, leprosy, plague, anthrax, glanders, rabies, Malta fever, sleeping sickness, or human trypanosomiasis, and all forms of tuberculosis which are clinically recognisable apart from reaction to the tuberculin test.

In addition to the above diseases, Government Notice No. 1629 of 1919, published in the *Union Gazette* of 12th December, 1919, declared Yellow Fever, ophthalmia neonatorum (all forms) and gonorrhoeal ophthalmia to be notifiable diseases within the Union with effect from the 1st January, 1920.

Government Notice 1087 of 1920, promulgated on the 21st June, 1920, declared acute primary pneumonia and influenzal pneumonia (including all forms of acute inflammation of the lungs of influenzal origin), to be notifiable diseases within the Municipalities of Capetown and Port Elizabeth.

And Government Notice No. 1526 of 1920, published in the *Union Gazette* of 27th August, 1920, declared Infectious Encephalitis (which term shall be deemed to mean and include Acute Encephalitis Lethargica, Acute Polio-encephalitis and all other forms of Acute Encephalitis of similar causation) to be a notifiable disease throughout the Union.

Every medical practitioner who becomes aware that any person is suffering or has died from a notifiable infectious disease must immediately furnish a written certificate of notification thereof to the local authority, and inform the head of the household or occupier of the premises, and any person nursing or in attendance on the patient, of the infectious nature of the disease and the precautions to be taken to prevent its conveyance to others.

Where any person is suffering from any notifiable infectious disease, Section 19 of the Public Health Act makes it compulsory for the head of the family, or in his default or absence the nearest adult relation of the patient present on the premises, or in default or absence of any such relation the person in charge or in attendance on the patient, or in default of any such person the occupier of the premises, to immediately give notice thereof to the local authority.

The following regulations dealing with the notification of infectious diseases framed under Section 22 of the Public Health Act, were promulgated under Government Order No. 4 on the 2nd January, 1920.

#### *Notification by Persons in Charge of Schools, etc.*

Every person in charge of a school, orphanage or similar institution, shall immediately report to the local authority the occurrence in such institutions of any case of any notifiable infectious disease, or of measles, German measles, whooping cough, venereal disease, granular ophthalmia (trachoma), or any disease of the skin or scalp which appears to be infectious or communicable. Such report shall be in writing, and shall state as regards each case the name, age, sex, race, and home address of the patient, the nature of the disease, the date of onset of illness, and any available information as to the probable place and source of infection.

#### *Notification by Owners or Occupiers of Land.*

The owner or occupier of any land on which natives or coloured persons reside shall immediately report to the local authority the presence or occurrence of any case of infectious disease on such land. Such report shall be in writing, and shall state as regards such case the name, age, sex, race, and address of the patient, the nature of the disease, the date of onset of illness, and any available information as to the probable place and source of infection.

#### *Notification by Employers.*

Every employer of labour shall immediately report to the local authority the occurrence of any case of infectious disease among his employees. Such report shall be in writing and shall state the particulars mentioned in regulation with respect to notification by persons in charge of schools, etc.

#### *Notification Fees.*

The fee payable by the local authority to a medical practitioner for each case of infectious disease notified by him immediately and in accordance with section twenty of Act No. 36 of 1919, shall be two shillings and sixpence, but no fee shall be payable in respect of any case notified by a medical practitioner in the course of his duty as officer of the Government or of a local authority or of



any public or State-aided hospital or institution, or which has been notified to the same local authority by the same medical practitioner within the preceding six months.

*Any person guilty of an offence against, or contravention of, or default in complying with, any provision of these regulations, shall be liable on conviction, to a fine not exceeding twenty-five pounds (£25).*

Under Government Order No. 1029 dated 27th June, 1922, the following regulations regarding the closing of schools in connection with outbreaks of infectious disease and framed under Section 36 of the Public Health Act, 1919, came into force from that date.

1. (a) Any local authority mentioned in or proclaimed under the First Schedule to Act No. 36 of 1919, may where deemed necessary for the purpose of preventing the spread of any infectious disease, issue an order closing all schools or any school, or any specified section of or class in any school, within its district.

(b) No such closing order shall be for a period exceeding ten school days unless the concurrence of the Administrator to closure for a longer period has first been obtained, and without the like concurrence no second closing order may be issued by the local authority applying to the same school and in respect of the same disease within the period of one month.

(c) Immediately on the issue of a closing order, the local authority shall, by telegraph or other expeditious means, notify the Administrator of the issue thereof and the reasons therefor. If the local authority desires to extend the order beyond the period of ten school days, it shall at the same time request the concurrence of the Administrator thereto.

(d) The Administrator shall, by telegraph or other expeditious means, convey to the local authority his reply to such request within three days from the date of receipt thereof. If in any case the Administrator refuse to concur in the extension of any such closing order, or in the issue of a second closing order, the local authority may report to the Minister for his decision in the matter, and any decision given by the Minister shall be final and conclusive.

2. (a) Where a local authority not mentioned in or proclaimed under the First Schedule to Act No. 36 of 1919 deems it necessary for the purpose of preventing the spread of any infectious disease that all schools or any school, or any specified section of or class in a school within its district, should be closed, or if already closed for a period, that the closing order should be extended for a further period, it shall submit, with all necessary particulars, a request for closure to the Administrator, who may at his discretion issue a closing order.

(b) If a closing order, or an order extending the period of an existing closing order, as requested by the local authority is not issued by the Administrator within twenty-four hours of the receipt of such request, the local authority may report to the Minister for his decision in the matter, and any decision given by the Minister shall be final and conclusive.

3. The expression "local authority," as used either in regulation 1 or 2, includes also, when the local authority by resolution so determines, a committee of its members or its medical officer of health.

4. Any person failing to comply with, or otherwise acting in contravention of, a closing order issued under these regulations shall be liable on conviction to a fine not exceeding twenty-five pounds.

5. These regulations supersede and repeal all regulations previously in force regarding the closing of schools for the purpose of preventing the spread of infectious disease.

*Enteric or Typhoid Fever and Continued Fever.*—There were 504 cases notified during the year as compared with 740 in the previous year. Of the 504 cases, 260 were Europeans (127 males and 133 females) and 244 non-Europeans (117 males and 127 females). Of the European cases, 30 contracted the disease outside the Municipality, 3 having introduced the disease from over-sea and the remaining 27 imported the disease from other parts of the Union, with the exception of one which contracted the disease in Rhodesia. Of the non-Europeans, 10 contracted the disease in other parts of the Union. This leaves 230 European and 234 non-European local cases.

The sequence of months, classified as to number of cases notified in each month, commencing with the month having the largest number of cases and graduating to the smallest is as follows:—January (76), March (65), February (62), April (51), May (48), July (39), December (37), June (27), September, October and November (25) each, and August (24).



The disease was most prevalent from January to May and began to lessen in June.

The deaths occurring from this disease amounted to 27 Europeans and 46 non-Europeans, giving death-rates from Enteric Fever of 0.26 and 0.56 per 1,000 of the European and non-European populations respectively. For the previous year the death-rates were 0.42 and 0.63 for Europeans and non-Europeans, respectively; being enormous as compared with the death-rate for England and Wales for 1920 of 0.014, and for London in 1920 of 0.011.

There were 382 houses infected with the disease and of these 338 had one case each, 31 had two cases each, 7 had three cases each, 3 had four cases each, 2 had five cases each, one had six cases, and in addition to the above there were 14 cases which occurred in institutions and one vagrant, representing 464 notified cases of Enteric Fever, which added to the 40 imported cases referred to above, gives the total of 504 as shown in Table XIII. 136 of the houses concerned had the water carriage system of sewage and 264 were not sewered. Of 94 of the drained houses the drains were tested, and 64 were found unsatisfactory and 30 were found defective and since repaired.

The incidence rates, *i.e.*, number of notified cases per 1,000 of the population, were 2.52 for Europeans, and 2.96 for non-Europeans, as against 4.01 for Europeans and 4.17 for non-Europeans in the previous year. The percentage case mortality was 11.88 for Europeans and 21.72 for non-Europeans. For the cases actually belonging to the City the percentage case mortality was 10.82 for Europeans and 20.94 for non-Europeans.

As far as circumstances would permit an endeavour was made to inoculate all contacts with Typhoid and Paratyphoid Vaccine. In this way about 53 persons were inoculated by the Department, and a number of others by the Practitioner in attendance, of which I have no record, but 304 Ampoules were supplied to Medical Practitioners for that purpose.

The adjoining Table (Table XIII.) gives the number of notified cases in each Ward, also cases imported from overseas, and cases contracted in other parts of the Union, classified as to Race.

TABLE XIII.

CASES OF ENTERIC FEVER FOR THE YEAR 1ST JULY, 1921, TO 30TH JUNE, 1922, CLASSIFIED AS TO RACE AND WARD OF THE CITY TO WHICH THEY BELONG, TOGETHER WITH BALANCE OF CASES.

| Race.        | Wards of the City. |               |                   |             |            |                   |             |                 |                  |                |                 |                   |                  |                 | Balance of Cases.              |                                   |                          | Total Cases. |
|--------------|--------------------|---------------|-------------------|-------------|------------|-------------------|-------------|-----------------|------------------|----------------|-----------------|-------------------|------------------|-----------------|--------------------------------|-----------------------------------|--------------------------|--------------|
|              | 1<br>Sea Point.    | 2<br>Harbour. | 3<br>West Central | 4<br>Kloof. | 5<br>Park. | 6<br>East Central | 7<br>Castle | 8<br>Woodstock. | 9<br>Salt River. | 10<br>Mowbray. | 11<br>Maitland. | 12<br>Rondebosch. | 13<br>Claremont. | 14<br>Kalk Bay. | Cases introduced from Oversea. | Cases contracted outside of City. | No fixed place of abode. |              |
| European     | 18                 | 10            | 1                 | 12          | 17         | 9                 | 10          | 69              | 34               | 14             | 7               | 4                 | 14               | 11              | 3                              | 27                                | ..                       | 260          |
| Non-European | 2                  | 5             | 3                 | 16          | ..         | 31                | 39          | 27              | 37               | 2              | 11              | 25                | 25               | 10              | ..                             | 10                                | 1                        | 244          |
| All Classes  | 20                 | 15            | 4                 | 28          | 17         | 40                | 49          | 96              | 71               | 16             | 18              | 29                | 39               | 21              | 3                              | 37                                | 1                        | 504          |

From the above Table it will be seen that Ward 8 (Woodstock) and Ward 9 (Salt River) were the Wards that were chiefly affected, and more especially Ward 8 in which 69 European and 27 non-European cases occurred. From Ward 9, 34 European, and 37 non-European cases were notified. For the previous year Ward 8 had 55 European and 35 non-European cases of Enteric Fever, and Ward 9, 60 European and 34 non-European cases. The lowest number of cases was from West Central (Ward 3), from which 4 cases were reported (1 European and 3 non-European).

*Diphtheria.*—During the year 140 cases were reported as compared with 108 for last year, and 176 for the year before. Of these 140 cases, 115 were Europeans (46



males and 69 females) and 25 were non-Europeans (7 males and 18 females). Eleven of the European cases contracted the disease outside the City; 9 of these introduced the disease from overseas, and 2 contracted the disease in other parts of the Union. There were 48 cases of the disease isolated and treated at the City Hospital, and of these 37 were Europeans and 11 non-Europeans. The deaths registered as due to Diphtheria were 9 Europeans and 6 non-Europeans, as against 6 Europeans and 3 non-Europeans for the previous year.

The cases were most numerous in May, when 25 were notified; next in June when 21 were notified, and next in March when 15 were notified; the lowest number of cases occurred in February when 4 were notified. The death-rates from this disease were 0.86 Europeans and for non-Europeans 0.72. The death-rate from Diphtheria in England and Wales for 1920 was 0.151, and in London, in 1920, 0.229 per 1,000 of the population.

The percentage Mortality of the cases was 10.43 for Europeans and 24.00 for non-Europeans for all cases and deaths, *i.e.*, not deducting imported cases, as compared with 7.32 for Europeans and 11.54 for non-Europeans in the previous year. For the cases and deaths actually belonging to the City, the percentage Mortality was, for Europeans, 10.58, as against 6.25 the previous year. As will be observed from Table XIV., the Wards in which the largest number of cases occurred were Kloof (19 cases), Woodstock and Mowbray (16 cases each), Claremont (12 cases). The lowest number of cases occurred in Ward 2 (Harbour), from which 2 cases were notified. In the previous year 108 cases of Diphtheria were notified, and of these 82 were Europeans and 26 were non-Europeans.

During the period under review I have supplied 70,000 units of Antitoxin free of charge to the Medical Practitioners notifying cases, which were not removed to Hospital.

TABLE XIV.

CASES OF DIPHTHERIA FOR THE YEAR 1ST JULY, 1921, TO 30 JUNE, 1922, CLASSIFIED AS TO RACE AND WARD OF THE CITY TO WHICH THEY BELONG, TOGETHER WITH BALANCE OF CASES.

| Race.             | Wards of the City. |               |                    |             |            |                    |              |                 |                  |                |                 |                   |                  |                 | Balance of Cases.               |                                    | Total cases. |
|-------------------|--------------------|---------------|--------------------|-------------|------------|--------------------|--------------|-----------------|------------------|----------------|-----------------|-------------------|------------------|-----------------|---------------------------------|------------------------------------|--------------|
|                   | 1<br>Sea Point.    | 2<br>Harbour. | 3<br>West Central. | 4<br>Kloof. | 5<br>Park. | 6<br>East Central. | 7<br>Castle. | 8<br>Woodstock. | 9<br>Salt River. | 10<br>Mowbray. | 11<br>Maitland. | 12<br>Rondebosch. | 13<br>Claremont. | 14<br>Kalk Bay. | Cases introduced from Overseas. | Cases contracted outside the City. |              |
| European .. ..    | 6                  | 2             | 2                  | 16          | 7          | 5                  | ..           | 13              | 8                | 15             | 10              | 7                 | 10               | 3               | 9                               | 2                                  | 115          |
| Non-European ..   | 1                  | ..            | 1                  | 3           | 2          | 6                  | 3            | 3               | 1                | 1              | 1               | 1                 | 2                | ..              | ..                              | ..                                 | 25           |
| All Classes .. .. | 7                  | 2             | 3                  | 19          | 9          | 11                 | 3            | 16              | 9                | 16             | 11              | 8                 | 12               | 3               | 9                               | 2                                  | 140          |

*Scarlet Fever.*—During the year there were 113 cases reported as suffering from this disease; of these 104 were Europeans (42 males and 62 females), and 9 were non-Europeans (3 males and 6 females). For the previous year there were 234 Europeans (102 males and 132 females) and 15 non-Europeans (7 males and 8 females), making a total of 249 cases. One of the cases for the year under consideration, a European male, introduced the disease from overseas. All the non-European cases contracted the disease locally; 69 European and 4 non-European cases of Scarlet Fever were isolated and treated in the City Hospital. There were no deaths from this disease during the year.

*Erysipelas.*—Of this disease there were 34 cases notified, 28 being Europeans (20 males and 8 females) and 6 non-Europeans (2 males and 4 females). Two Europeans contracted the disease outside the City's boundaries and 1 European died; 10 European cases were isolated in the City Hospital. For the previous year there were 31 cases of the disease (10 European males and 17 European females), and 4 non-Europeans (females) notified.



*Puerperal Fever.*—There were 26 cases notified during the year, 7 of which were Europeans and 19 non-Europeans, as compared with 10 Europeans and 20 non-Europeans in the previous year. Two Europeans and 7 non-Europeans died from this disease, and in addition to these 9 deaths, 3 non-Europeans notified as cases of Puerperal Fever and included in the notifications of this disease, died from Phthisis, Cirrhosis of Liver and Nephritis respectively. Three European and 8 non-European cases were isolated and treated in the City Hospital.

*Acute Anterior Poliomyelitis.*—During the year there were 1 European female and 1 non-European female notified as suffering from this disease, as compared with 1 European male, 2 European females and 1 non-European female in the previous year.

With respect to the cases for the present year the European female was a resident of Ward 1 (Sea Point), who was admitted to the City Hospital and discharged therefrom during the year. The non-European female was a resident of Ward 13 (Claremont), and was treated at home where she died in April, 1922. As will be seen in Table A in the Appendix there was another death from this disease, a European belonging to Ward 13 (Claremont). This case is not shown in Table C in the Appendix as same was notified in June, 1920, and is shown in the notifications for that year.

*Malta Fever.*—There were 2 Europeans notified; one was a male aged 54 years, who was a resident of Ward 13 (Claremont), and who had resided 2 years in the house he was notified from. This case was treated at home and recovered. The other case was a female nurse in an institution in the city where she was treated and recovered. She had been engaged there for three months previous to the illness, having come direct from Transkei to join the hospital staff.

*Leprosy.*—During the year there were 8 cases of the disease notified, of which 1 was a European male, 2 European females, 4 non-European males and 1 non-European female. One of the European females introduced the disease from overseas and 2 of the non-European males contracted the disease outside the City's boundaries, the other five being local cases. The cases notified in the previous year were 1 European male, 1 non-European male and 2 non-European females (4 cases). With regard to the local cases for the present year, the European male was a resident of Ward 8 (Woodstock), the European female was a resident of Ward 7 (Castle), 1 of the non-European males was a resident of Ward 6 (East Central), and the other non-European male of Ward 13 (Claremont), and the non-European female of Ward 8 (Woodstock).

*Epidemic Cerebro-Spinal Meningitis.*—Several cases of this disease were notified during the year; 2 European males, 4 European females, and 1 non-European female as compared with 5 cases notified in the previous year, of which 3 were European males, 1 was a European female, and 1 a non-European male. For the present year, 2 of the European females contracted the disease outside the City's boundaries; one of these died at her home where she had been treated, and is the death shown for this disease in Table A in the Appendix. The other was treated in the Monte Rosa Hospital. Of the 2 European males, 1 was treated at home, and the other was removed to the City Hospital and proved to be a case of ordinary Meningitis and was transferred to the New Somerset Hospital. The 2 local European females died, one of Tubercular Meningitis and the other of Epidemic Cerebro-Spinal Meningitis; this latter death occurred in July, 1922, and will be included in next year's deaths. Both these cases were admitted to the City Hospital. The non-European female was treated in the City Hospital where she died, this case proving to be one of ordinary meningitis.

*Typhus.*—There were two native males notified as suffering from this disease and who became infected whilst residing at the N'dabeni Location, which is just outside the City's boundaries. Both these cases were removed to the Rentzkie's Farm Hospital for treatment, where one of them died.

*Infective Encephalitis.*—Of this disease 6 cases were notified, 2 being European males, and 4 being European females. One of the European females imported the disease from Hout Bay whence she was removed to the Tamboer's Kloof Nursing Home, where she died. The other five cases were local; one of the males aged 14 years was a resident of Ward 14 (Kalk Bay) and had resided in the house from which he was notified for 3 years, and died in the Hof Street Nursing Home. The other male, aged 61 years, was a resident of Ward 9 (Salt River), and had resided for one year in the house from which he was notified.



This case was isolated at his home where he died. One of the females, aged 57 years, was a resident of Ward 13 (Claremont), and had resided 4 years in the house from which she was notified. This case was isolated at her home where she died. Another, aged 53 years, was a resident of Ward 12 (Rondebosch) and had resided 8 years in the house from which she was notified. This case was isolated at her home where she died. The remaining female was a resident of Ward 4 (Kloof) and had resided 13 years in the house from which she was notified. This case was isolated at her home where she died.

*Ophthalmia Neonatorum*.—During the year 50 cases of this disease were notified, 11 being Europeans (4 males and 7 females), and 29 being non-Europeans (23 males and 16 females). Two of the non-Europeans died. One of the Europeans and 9 of the non-Europeans were treated in Hospital.

*Tuberculosis*.—(a) Notifications: Of this disease there were 637 new cases notified or discovered, consisting of 92 European males and 64 European females, making a total of 156 Europeans and 205 non-European males, and 276 non-European females, making a total of 481 non-Europeans. For the previous year the figures were 75 European males and 57 European females, giving a total of 132 Europeans, and 234 non-European males and 290 non-European females, giving a total of 524 non-Europeans. The distribution of the cases for the year under review amongst the Wards of the City, together with the balance of the cases, will be seen from the following Table:—

TABLE XV.

NEW CASES OF TUBERCULOSIS FOR THE YEAR 1ST JULY, 1921, TO 30TH JUNE, 1922,  
CLASSIFIED AS TO RACE AND WARD OF THE CITY TO WHICH THEY BELONG,  
TOGETHER WITH THE BALANCE OF CASES.

| Race.          | Wards           |               |                    |             |            |                    |              |                 |                  |                |                 |                   |                  |                 | Balance of Cases.        |                                 |                                    | Total Cases. |
|----------------|-----------------|---------------|--------------------|-------------|------------|--------------------|--------------|-----------------|------------------|----------------|-----------------|-------------------|------------------|-----------------|--------------------------|---------------------------------|------------------------------------|--------------|
|                | 1<br>Sea Point. | 2<br>Harbour. | 3<br>West Central. | 4<br>Kloof. | 5<br>Park. | 6<br>East Central. | 7<br>Castle. | 8<br>Woodstock. | 9<br>Salt River. | 10<br>Mowbray. | 11<br>Maitland. | 12<br>Rondebosch. | 13<br>Claremont. | 14<br>Kalk Bay. | No Fixed Place of Abode. | Cases introduced from Overseas. | Cases contracted outside the City. |              |
| European ..    | 8               | 8             | 2                  | 11          | 7          | 8                  | 10           | 18              | 16               | 21             | 9               | 8                 | 7                | ..              | 1                        | 8                               | 14                                 | 156          |
| Non-European   | 9               | 23            | 26                 | 28          | 9          | 77                 | 64           | 33              | 26               | 11             | 34              | 30                | 39               | 26              | 8                        | 2                               | 36                                 | 481          |
| All Classes .. | 17              | 31            | 28                 | 39          | 16         | 85                 | 74           | 51              | 42               | 32             | 43              | 38                | 46               | 26              | 9                        | 10                              | 50                                 | 637          |

From the foregoing Table it will be seen under the heading, "Balance of Cases" that one European had no fixed abode, 8 Europeans introduced the disease from overseas and 14 contracted the disease in other parts of the Union, and that of the non-Europeans 8 had no fixed abode, 2 introduced the disease from overseas and 36 contracted the disease in other parts of the Union. The largest number of cases occurred in Ward 6 (East Central) from which 85 were notified, next in Ward 7 (Castle) from which 74 were notified, and next in Ward 8 (Woodstock) from which 51 were notified. The fewest cases occurred in Ward 5 (Park), Ward 1 (Sea Point) and Ward 14 (Kalk Bay), from which 16, 17 and 26 cases respectively were notified.



TABLE XVI.

SHOWING LENGTH OF RESIDENCE IN THE CITY OF CAPETOWN OF PERSONS NOTIFIED AS SUFFERING FROM TUBERCULOSIS AND NOT SINCE DEAD, FROM 1ST JULY, 1921, TO 30TH JUNE, 1922.

| Age.               | Race. | InCape-town, under 6 months. | InCape-town, 6 months & under 1 year. | InCape-town, 1 year & under 2 years. | InCape-town, 2 years & under 3 years. | InCape-town, 3 years & under 4 years. | InCape-town, 4 years & under 5 years. | InCape-town, over 5 years. | All Life in Cape-town. | No Record | Total. |
|--------------------|-------|------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|----------------------------|------------------------|-----------|--------|
| 0—1 years.         | E.    | ..                           | ..                                    | ..                                   | ..                                    | ..                                    | ..                                    | ..                         | ..                     | ..        | ..     |
|                    | Non-E | ..                           | ..                                    | ..                                   | ..                                    | ..                                    | ..                                    | ..                         | 2                      | ..        | 2      |
| 1—5 years.         | E.    | ..                           | ..                                    | ..                                   | ..                                    | ..                                    | ..                                    | ..                         | 1                      | ..        | 1      |
|                    | Non-E | ..                           | 1                                     | 1                                    | 1                                     | ..                                    | ..                                    | ..                         | 6                      | ..        | 9      |
| 5—15 years.        | E.    | ..                           | ..                                    | ..                                   | 1                                     | ..                                    | ..                                    | 3                          | 3                      | ..        | 7      |
|                    | Non-E | 3                            | ..                                    | 2                                    | ..                                    | 1                                     | ..                                    | 3                          | 20                     | 2         | 31     |
| 15—25 years.       | E.    | 3                            | ..                                    | ..                                   | 2                                     | 1                                     | ..                                    | 4                          | 4                      | 2         | 16     |
|                    | Non-E | 5                            | 3                                     | 3                                    | 2                                     | 2                                     | 1                                     | 11                         | 30                     | 4         | 61     |
| 25—45 years.       | E.    | 3                            | ..                                    | 2                                    | 3                                     | ..                                    | ..                                    | 12                         | 3                      | 3         | 26     |
|                    | Non-E | 6                            | 1                                     | 3                                    | 3                                     | 1                                     | 2                                     | 27                         | 18                     | 6         | 67     |
| 45 years and over. | E.    | ..                           | ..                                    | ..                                   | ..                                    | ..                                    | 1                                     | 4                          | 3                      | 1         | 9      |
|                    | Non-E | 2                            | 1                                     | 1                                    | ..                                    | 3                                     | 1                                     | 19                         | 7                      | 2         | 36     |
| Totals             | E.    | 6                            | ..                                    | 2                                    | 6                                     | 1                                     | 1                                     | 23                         | 14                     | 6         | 59     |
|                    | Non-E | 16                           | 6                                     | 10                                   | 6                                     | 7                                     | 4                                     | 60                         | 83                     | 14        | 206    |

It will be observed from Table XVI. that there were 59 Europeans and 206 non-Europeans who were notified during the year under report, and who survived at the end of that term.

Included in the cases shown in Table XV. as imported, are cases taken directly to institutions within the City of Capetown from beyond the City's boundaries and the enumeration of these is as follows:—

Old Somerset Hospital.—Two non-European males.

New Somerset Hospital.—One European male, two European females, eight non-European males and one non-European female.

City Hospital.—Four European males, two European females, and three non-European males.

Rondebosch and Mowbray Cottage Hospital.—One European male and one non-European male.

There were also one non-European male and six non-European females brought into the Valkenberg Mental Hospital, and one non-European male brought into Capetown Gaol from outside the City who were found to be suffering from Tuberculosis.

With regard to Multiple Notification, the details are as follows:—Concerning new case notified during the year under report six European and 46 non-European persons were notified twice, and nine non-European persons were notified three times. With regard to cases originally notified in previous years, six Europeans and 27 non-Europeans were notified again in the period under review, three of these non-Europeans being notified twice in the present year, and one European being notified four times.

On June 30th, 1922, the number of cases known to the Department to be still living in the City were 89 Europeans (43 males and 46 females) and 380 non-Europeans (166 males and 214 females). In the previous report the respective figures were 82 Europeans (45 males and 37 females), and 362 non-Europeans (157 males and 205 females).



Amongst the cases included in Tables Nos. XV. and XVII. and Table "C" in the Appendix there were 45 deaths of Europeans (25 males and 20 females) and 87 non-Europeans (42 males and 45 females) without any previous notification, the reason for the non-notification being that the disease was only discovered just before or after death. There were three inquests on the European and 12 on the non-European cases, and the verdict was that death had resulted from a Tubercular affection.

(b) *Mortality*.—Amongst the European population the number of deaths certified as due to Pulmonary Tuberculosis was 96 and to other Tubercular affections 16, giving a death-rate of 1.04 from Tuberculosis. Of these deaths seven did not properly belong to the City, and on these being deducted the corrected rate of 0.97 is obtained. Concerning the non-European population, there were 252 deaths from Pulmonary Tuberculosis, and 55 from other forms of Tuberculosis, producing a death-rate of 3.71. Amongst these there were 21 deaths of persons not belonging to the City, and by deducting these a corrected death-rate of 3.46 is obtained. The gross and corrected death-rates for All Classes were 2.23 and 2.08 respectively. The corrected Tuberculosis death-rate for the previous year was 0.73 for Europeans, 4.10 for non-Europeans and 2.25 for All Classes.

The length of residence of the persons dying from Tuberculosis during the year is given in the following Table:—

TABLE XVII.

SHOWING LENGTH OF RESIDENCE IN CAPE TOWN OF PERSONS DYING FROM TUBERCULOSIS FROM JULY 1ST, 1921, TO JUNE 30TH, 1922.

| Age.               | Race. | InCape-town, under 6 months. | InCape-town, 6 months & under 1 year. | InCape-town, 1 year & under 2 years. | InCape-town, 2 years & under 3 years. | InCape-town, 3 years & under 4 years. | InCape-town, 4 years & under 5 years. | InCape-town, over 5 years. | All Life in Cape-town. | No Record | Total. |
|--------------------|-------|------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|----------------------------|------------------------|-----------|--------|
| 0—1 years.         | E.    | ..                           | ..                                    | ..                                   | ..                                    | ..                                    | ..                                    | ..                         | 3                      | ..        | 3      |
|                    | Non-E | 1                            | ..                                    | ..                                   | ..                                    | ..                                    | ..                                    | ..                         | 2                      | 1         | 4      |
| 1—5 years.         | E.    | 1                            | ..                                    | ..                                   | ..                                    | ..                                    | ..                                    | ..                         | 5                      | ..        | 6      |
|                    | Non-E | 1                            | ..                                    | ..                                   | ..                                    | ..                                    | ..                                    | ..                         | 29                     | 1         | 31     |
| 5—15 years.        | E.    | 1                            | ..                                    | ..                                   | 1                                     | ..                                    | ..                                    | 1                          | 4                      | ..        | 7      |
|                    | Non-E | 1                            | 1                                     | 1                                    | ..                                    | ..                                    | ..                                    | 2                          | 16                     | ..        | 21     |
| 15—25 years.       | E.    | 1                            | ..                                    | 1                                    | 2                                     | 1                                     | ..                                    | 2                          | 5                      | ..        | 12     |
|                    | Non-E | 6                            | 3                                     | 2                                    | 4                                     | 3                                     | 1                                     | 22                         | 39                     | 2         | 82     |
| 25—45 years.       | E.    | 2                            | 3                                     | 1                                    | 2                                     | 2                                     | ..                                    | 18                         | 11                     | 2         | 41     |
|                    | Non-E | 8                            | 3                                     | 7                                    | 6                                     | 3                                     | 3                                     | 38                         | 45                     | 8         | 121    |
| 45 years and over. | E.    | 2                            | ..                                    | 2                                    | 3                                     | 1                                     | 2                                     | 24                         | 5                      | ..        | 39     |
|                    | Non-E | 4                            | 1                                     | 3                                    | ..                                    | 1                                     | 2                                     | 21                         | 12                     | 4         | 48     |
| Totals             | E.    | 7                            | 3                                     | 4                                    | 8                                     | 4                                     | 2                                     | 45                         | 33                     | 2         | 108    |
|                    | Non-E | 21                           | 8                                     | 13                                   | 10                                    | 7                                     | 6                                     | 83                         | 143                    | 16        | 307    |

In addition to these deaths, two Europeans and 10 non-Europeans, suffering from Tuberculosis, died from certified causes of death other than Tuberculosis. One of the Europeans died of Pernicious Anaemia and the other of Miners' Phthisis. Of the 10 non-Europeans, two died of Pneumonia, two of Nephritis, one of Marasmus, one of Bright's Disease, one of Gastro-Enteritis, one of Bronchitis, one of Asthma and the remaining one of Pyorrhœa Alveolaris.

For comparison I subjoin the following Table of death-rates from Tuberculosis for various centres.



TABLE XVIII.

COMPARATIVE TABLE OF TUBERCULOSIS DEATH-RATES FOR VARIOUS CENTRES.

| District.  | Crude Death-Rate<br>from Tuberculosis.     | Crude Death-Rate<br>from Tuberculosis<br>corrected for Non-<br>Residents. |
|--|--|---|
| England and Wales for the year,<br>1920 ... ..               | 1·131                                      | 1·128 (Standardised).   |
| Pretoria, year ended 30th June,<br>1922 ... ..               | ...  | 0·28 (Europeans).<br>1·09 (Non-Europeans).                                |
| Johannesburg, year ended 30th<br>June, 1922 ... ..           | ...  | 0·33 (Europeans).<br>1·45 (Non-Europeans).                                |
| Kimberley, year ended 31st De-<br>cember, 1921 (Urban)... .. | 0·77 (Europeans).<br>1·69 (Non-Europeans). | ...   |
| Bloemfontein, year ended 30th<br>June, 1922 ... ..           | ...  | 0·16 (Europeans).<br>...  |
| Pietermaritzburg, year ended 30th<br>June, 1922 ... ..       | 0·86 (Europeans).<br>2·75 (Non-Europeans). | 0·38 (Europeans).<br>2·75 (Non-Europeans).                                |
| Port Elizabeth, year ended 31st<br>December, 1921 ... ..     | 0·63 (Europeans).<br>5·16 (Non-Europeans). | ...   |
| East London, year ended 30th<br>June, 1922 ... ..            | 0·35 (Europeans).<br>3·7 (Non-Europeans).  | 0·35 (Europeans).<br>3·3 (Non-Europeans).                                 |
| Cape Town, year ended 30th<br>June, 1921 ... ..              | 0·81 (Europeans).<br>4·36 (Non-Europeans). | 0·73 (Europeans).<br>4·10 (Non-Europeans).                                |
| Cape Town, year ended 30th<br>June, 1922 ... ..              | 1·04 (Europeans).<br>3·71 (Non-Europeans). | 0·97 (Europeans).<br>3·46 (Non-Europeans).                                |

*Pneumonia.*—During the year there were 160 cases of Acute Primary and Influenzal Pneumonia which came to the knowledge of the Department, and of these 63 were Europeans (37 males and 26 females) and 97 were non-Europeans (63 males and 34 females). Amongst these cases there were 34 deaths, consisting of 10 European males, 10 European females, 7 non-European males and 7 non-European females.

The Influenza Epidemic of June-July, 1922, greatly increased the notifications and deaths, there being 55 cases notified in June, 1922, as compared with a previous monthly average of 9 cases, and 78 deaths as compared with a previous monthly average of 39 deaths. Eleven cases of Pneumonia were treated in the City Hospital during the year.

*Influenza.*—Influenza became rife during 15th August, 1921, and 23rd January, 1922, and again between 19th June, 1922, and 31st July, 1922, and in consequence of the attention of the Department being drawn to it, the following measures were taken:—

Medical Practitioners were circularised requesting their co-operation by notifying all cases they should be called to, and large firms in the City were asked to notify absentees from duty. Also, requests to the above effect were published in the newspapers. The Inspectors of my Department were instructed to make a house-to-house inspection.

During the period 15th August, 1921, to 23rd January, 1922, 158 cases were notified by Medical Practitioners, 95 absentees reported by firms and 13 cases reported by the Inspectors during their house-to-house visitation. During the period 19th June, 1922 to 31st July, 1922, about 640 cases were reported by Medical Practitioners, 320 absentees were reported by firms and 16 cases were notified by the Inspectors.

The Epidemic during the latter period began to diminish after the 6th July, 1922, after which date a very low daily average was maintained. Twenty-five cases of Influenza were admitted to the City Hospital.

The deaths from this disease during the year amounted to five Europeans and 11 non-Europeans, as compared with one European and 20 non-Europeans in the previous year.



## PART III.

**MEASURES TAKEN FOR THE PREVENTION AND SUPPRESSION OF NOTIFIABLE DISEASES.**

PREPARED BY DR. A. W. REID, ASSISTANT MEDICAL OFFICER OF HEALTH.

Chapter III (Part I) of the Public Health Act, 1919, deals with the prevention and suppression of infectious diseases, and among the general provisions therein are the following:—

1. Provision for the inspection of infected premises and examination of persons suspected to be suffering from infectious disease.

2. Gives powers to local authorities to provide isolation hospitals, mortuaries, disinfecting and cleansing stations and ambulances.

3. The removal to a suitable hospital of any person certified to be suffering from an infectious disease if not accommodated, treated or nursed in such a manner as to adequately guard against the spread of the disease.

4. Power to a local authority to order the cleansing or disinfection of any premises or article necessary for preventing the spread or eradicating the infection of any infectious disease or otherwise preventing danger to health.

5. Power to remove to a cleansing station any dirty and verminous person.

6. To impose penalties on any person who, while knowingly suffering from any notifiable or proclaimed infectious disease, wilfully or negligently exposes himself in such manner as to be likely or liable to spread such disease in any street, public place, public building, shop, inn, hotel, church, or other place and/or frequented or occupied in common, or any person in charge of any person and knowing that such person is so suffering, so exposes such sufferer.

7. To impose penalties on any person who knowingly gives, lends, sells, pawns, transmits, removes or exposes, sends or permits to be washed in a public wash-house, laundry or other such place without previous disinfection, any clothing, bedding, article or thing contaminated with the infection of any notifiable or proclaimed disease.

8. To impose penalties on any person who, while knowingly suffering from any such disease, handles, conveys, or otherwise comes in contact with any food or daily produce, aerated water or other article intended for human consumption, or carries on any trade or occupation likely or liable to spread such disease.

9. Infected premises not to be evacuated or let without previous disinfection.

10. To impose penalties on any person knowingly suffering from a notifiable infectious disease who enters any public conveyance without the driver's or conductor's consent, or places any article contaminated with the infection of any such disease in a public conveyance without consent.

Prompt enquiries are made by the District Inspectors into each case notified. For this purpose a form is drawn up for each particular disease and the Inspector enters the answers given and the result of his enquiries against each question. These enquiries are made, not only for statistical purposes, but chiefly to gain information as to the source of infection, whether contracted at school, employment, in the streets or any other source which can be traced. They are necessary as a first stage in throwing light on the history of first cases and supplying clues for further minute investigation into the source of infection. They may also reveal any condition common to two or more cases from which infection may be spreading, such as a dairy, school, undetected case or source of water supply. Further, they give information as to how far isolation and other practicable precautions against the spread of the disease are being or can be taken.

In diseases such as Scarlet Fever and Diphtheria the cases are removed to the Infectious Diseases Hospital whenever the parents wish, or if the circumstances are such that it is considered adequate measures of isolation cannot be adopted at home.

With regard to Enteric Fever the case is removed to the City Hospital if there be accommodation, if not, by arrangement, to one of the General Hospitals. The Council now pay for such cases.

After the removal of a case to the Hospital, or on receipt of information that a case is completely recovered and is free from infection, or in the case of death occurring, the premises are disinfected. Wearing apparel, bedding and infected clothes are removed to the disinfecting station and disinfected by means of the steam disinfecter.

The rooms are disinfected by being sprayed with a solution of disinfectant and subsequent fumigation.



## INFECTIOUS DISEASES HOSPITAL.

The Hospital consists of an Administrative Block, containing Matron's Office and Sitting Room, Dining Room, Recreation Room, Dispensary, Kitchen, Scullery, 10 Bedrooms and Bathroom. There is a dwelling-house in the grounds for the Medical Superintendent.

The Hospital proper consists of an Observation Block, containing three Wards, with accommodation for three beds in each Ward, and a Ward Kitchen overlooking each Ward.

There is a Pavilion of two Wards, with 6 beds and 2 cots in each Ward, and a bathroom, w.c., and a slop-sink for each Ward placed in a building connected therewith by a cross-ventilated lobby.

A new Pavilion of a similar construction was erected and opened in March, 1919. There are two Wards and each Ward is divided into two by a glass screen. One Ward contains 7 beds for Europeans and 4 for non-Europeans; the other contains 11 beds for Europeans and 4 for non-Europeans, with 2 single bedded Wards for delirious and septic cases.

There are also two buildings of a temporary nature for the accommodation of patients suffering from Tuberculosis.

One is divided into five separate compartments with two beds in each, and is for males only. The accommodation for females consists of a Ward with an adjoining dining-room, accommodating 10 patients, allowing for 5 beds on the open stoep. This accommodation is for Capetown cases only, and for those sufferers who are likely to derive benefit from open-air treatment.

An agreement has been made with the Union Government under which cases are admitted from the Port, and for cases for which the Government is liable for medical treatment.

Plans have been prepared, and approved of for an additional Pavilion, and other Buildings but the erection of the same has not been proceeded with because of the financial stringency of the times.

TABLE XIX.

PATIENTS ADMITTED TO AND DISCHARGED FROM THE CITY HOSPITAL FROM JULY 1ST 1921, TO JUNE 30TH, 1922, CLASSIFIED AS TO RACE AND DISEASE.

| Disease.                                    | Under Treatment, July 1st, 1921. |       | Admitted. |        | Discharged. |       | Died. |       | Under Treatment, June 30th, 1922. |       | Total Admitted. |
|---|----------------------------------|-------|-----------|--------|-------------|-------|-------|-------|-----------------------------------|-------|-----------------|
|   | Eur.                             | Other | Eur.      | Other. | Eur.        | Other | Eur.  | Other | Eur.                              | Other | Persons.        |
| Scarlet Fever ..                            | 24                               | ..    | 69        | 4      | 81          | 3     | ..    | ..    | 12                                | 1     | 73              |
| Enteric Fever ..                            | 17                               | 21    | 132       | 113    | 112         | 100   | 20    | 28    | 17                                | 6     | 245             |
| Diphtheria ..                               | 2                                | 1     | 37        | 11     | 32          | 9     | 6     | 3     | 1                                 | ..    | 48              |
| Puerperal Fever ..                          | ..                               | ..    | 3         | 8      | 2           | 6     | 1     | 2     | ..                                | ..    | 11              |
| Erysipelas ..                               | ..                               | ..    | 10        | ..     | 9           | ..    | 1     | ..    | ..                                | ..    | 10              |
| Tuberculosis ..                             | 6                                | 10    | 33        | 55     | 11          | 21    | 22    | 35    | 6                                 | 9     | 88              |
| Measles ..                                  | 3                                | ..    | 13        | ..     | 16          | ..    | ..    | ..    | ..                                | ..    | 13              |
| Encephalitis ..                             | ..                               | ..    | ..        | 1      | ..          | ..    | ..    | ..    | ..                                | 1     | 1               |
| Cerebro-Spinal Meningitis ..                | ..                               | ..    | 1         | ..     | ..          | ..    | ..    | ..    | 1                                 | ..    | 1               |
| Acute Anterior Poliomyelitis ..             | ..                               | ..    | 1         | ..     | 1           | ..    | ..    | ..    | ..                                | ..    | 1               |
| Pneumonia ..                                | ..                               | ..    | 4         | 7      | 2           | 1     | 1     | 5     | 1                                 | 1     | 11              |
| Influenza ..                                | ..                               | ..    | 10        | 15     | 5           | 10    | ..    | ..    | 5                                 | 5     | 25              |
| Other Diseases ..                           | ..                               | ..    | 5         | 2      | 3           | ..    | 1     | 2     | 1                                 | ..    | 7               |
| Observation ..                              | ..                               | ..    | 4         | 1      | 4           | ..    | ..    | 1     | ..                                | ..    | 5               |
| Born in City Hospital ..                    | ..                               | ..    | ..        | 1      | ..          | 1     | ..    | ..    | ..                                | ..    | 1               |
| Cases admitted for and proving not to be :- |                                  |       |           |        |             |       |       |       |                                   |       |                 |
| Scarlet Fever ..                            | ..                               | ..    | 6         | ..     | 6           | ..    | ..    | ..    | ..                                | ..    | 6               |
| Enteric Fever ..                            | ..                               | ..    | 23        | 23     | 23          | 23    | ..    | ..    | ..                                | ..    | 46              |
| Diphtheria ..                               | ..                               | ..    | 22        | 7      | 21          | 7     | 1     | ..    | ..                                | ..    | 29              |
| Puerperal Fever ..                          | ..                               | ..    | 1         | 2      | 1           | ..    | ..    | 2     | ..                                | ..    | 3               |
| Erysipelas ..                               | ..                               | ..    | 1         | ..     | 1           | ..    | ..    | ..    | ..                                | ..    | 1               |
| Tuberculosis ..                             | ..                               | ..    | 1         | ..     | 1           | ..    | ..    | ..    | ..                                | ..    | 1               |
| Measles ..                                  | ..                               | ..    | 1         | ..     | 1           | ..    | ..    | ..    | ..                                | ..    | 1               |
| Totals ..                                   | 52                               | 32    | 377       | 250    | 332         | 181   | 53    | 78    | 44                                | 23    | 627             |



TABLE XX.

PATIENTS ADMITTED TO AND DISCHARGED FROM THE CITY HOSPITAL FROM JULY 1ST 1921, TO JUNE 30TH, 1922, CLASSIFIED AS TO WARD, ETC., TO WHICH THEY BELONG.

| Wards, etc.         | Under Treatment, July 1st, 1921. |       | Admitted. |       | Discharged. |       | Died. |       | Under Treatment, June 30th, 1922. |       | Total Admitted. |
|---------------------|----------------------------------|-------|-----------|-------|-------------|-------|-------|-------|-----------------------------------|-------|-----------------|
|                     | Eur.                             | Other | Eur.      | Other | Eur.        | Other | Eur.  | Other | Eur.                              | Other | Persons.        |
| 1 (Sea Point) ..    | 4                                | 1     | 24        | 11    | 23          | 5     | 2     | 5     | 3                                 | 2     | 35              |
| 2 (Harbour) ..      | 4                                | ..    | 14        | 8     | 15          | 4     | 1     | 2     | 2                                 | 2     | 22              |
| 3 (West Central) .. | 1                                | 2     | 11        | 4     | 8           | 4     | 1     | 2     | 3                                 | ..    | 15              |
| 4 (Kloof) ..        | 3                                | 5     | 29        | 17    | 24          | 14    | 3     | 8     | 5                                 | ..    | 46              |
| 5 (Park) ..         | 4                                | 1     | 32        | 6     | 23          | 4     | 6     | 3     | 7                                 | ..    | 38              |
| 6 (East Central) .. | 5                                | 7     | 25        | 47    | 23          | 31    | 2     | 20    | 5                                 | 3     | 72              |
| 7 (Castle) ..       | 3                                | 3     | 13        | 43    | 8           | 34    | 5     | 10    | 3                                 | 2     | 56              |
| 8 (Woodstock) ..    | 8                                | 5     | 75        | 23    | 65          | 19    | 14    | 8     | 4                                 | 1     | 98              |
| 9 (Salt River) ..   | 2                                | 3     | 33        | 21    | 25          | 18    | 6     | 5     | 4                                 | 1     | 54              |
| 10 (Mowbray) ..     | 8                                | 2     | 19        | 4     | 24          | 5     | 2     | 1     | 1                                 | ..    | 23              |
| 11 (Maitland) ..    | 1                                | 1     | 16        | 9     | 14          | 7     | 2     | 2     | 1                                 | 1     | 25              |
| 12 (Rondebosch) ..  | 1                                | ..    | 15        | 30    | 14          | 18    | ..    | 8     | 2                                 | 4     | 45              |
| 13 (Claremont) ..   | 3                                | 1     | 10        | 17    | 11          | 15    | 2     | ..    | ..                                | 3     | 27              |
| 14 (Kalk Bay) ..    | ..                               | ..    | 10        | 3     | 7           | 1     | 3     | 1     | ..                                | 1     | 13              |
| Vagrants ..         | ..                               | ..    | ..        | 2     | ..          | ..    | ..    | 1     | ..                                | 1     | 2               |
| Steamers ..         | 3                                | ..    | 29        | 2     | 31          | ..    | ..    | 2     | 1                                 | ..    | 31              |
| Outside of City ..  | 2                                | 1     | 22        | 3     | 17          | 2     | 4     | ..    | 3                                 | 2     | 25              |
| Totals ..           | 52                               | 32    | 377       | 250   | 332         | 181   | 53    | 78    | 44                                | 23    | 627             |

With regard to the number of Day Units, there were 21,643 (5,695 for Tuberculosis patients, and 15,948 for patients suffering from diseases other than Tuberculosis), producing an average of 59.30 patients per diem as compared with 74.29 in the previous year. Table XIX. gives the admissions, discharges and deaths, and also shows the number remaining in the City Hospital at the close of the previous year and at the close of the present period, of patients classified as to the disease from which they were suffering and as to their race. Table XX. gives the admissions, discharges and deaths, and also shows the number remaining in hospital at the close of the previous year and at the close of the year under review, of patients classified as to race and as to the Wards of the City from which they were removed, or, as to vagrants, cases from steamers in the Docks, and cases from outside the City's area.

During the year there were 627 admissions, and of these 377 were Europeans and 250 were non-Europeans. There were 53 European and 78 non-European deaths and 44 Europeans and 23 non-Europeans remained in hospital at the close of the year. Of the 52 Europeans and 32 non-Europeans remaining in hospital at the close of last year, 6 Europeans and 8 non-Europeans died; these deaths are included in the 53 European and 78 non-European deaths mentioned above. All the other cases remaining in the hospital at the close of the previous year were discharged in the present period. With regard to cases admitted for one disease and proving to be suffering from another disease, they are treated in the following sections, as therein stated, as cases of the disease from which they actually suffered, but are included in Table C. in the Appendix and in Part II (Notification of Infectious Diseases) as cases of the disease for which they were admitted (*i.e.*, notified).

*Scarlet Fever.*—There were 73 admissions for Scarlet Fever during the year, and of these, 69 were Europeans and 4 non-Europeans. Twelve Europeans and one non-European remained in hospital at the close of the year. One of the European cases admitted was removed from a steamer calling at the Port. The 24 Europeans remaining in hospital from the previous year were discharged during the present year.

In addition to the above cases of Scarlet Fever, there were 6 Europeans admitted for that disease, but were found not to be cases, as shown in Table XIX.



*Enteric Fever.*—During the year there were 245 cases of Enteric Fever admitted to the Hospital, 132 being Europeans and 113 non-Europeans. Twenty Europeans and 28 non-Europeans died and 17 Europeans and 6 non-Europeans remained in the hospital at the close of the year. Of the 17 European and 21 non-European cases which remained in the hospital at the close of the previous year, three Europeans and one non-European died and are included in the above 48 deaths. Eleven of the Europeans and one non-European were admitted direct from outside the City's boundaries, and of the Europeans, four were removed from Parow, two from Constantia, one from Kuils River, one from Kirstenbosch, one from Durbanville, one from Heathfield and the remaining one from Brackenfel. The non-European case was removed from the Cape Flats (Cape Divisional Council's area). One European case was removed from a steamer calling at the Port.

In addition to the above cases of Enteric Fever admitted, there were 5 Europeans and 5 non-Europeans who were admitted for Enteric Fever but were found to be suffering from other diseases. Of the 5 Europeans, one had Tuberculosis, one had Diphtheria, and 3 had Tubercular Meningitis; and of the 5 non-Europeans, 2 had Tuberculosis, one had Encephalitis and the other two had Tubercular Meningitis. Forty-six other cases (23 Europeans and 23 non-Europeans) were admitted for Enteric Fever but were found not to be cases as shown in Table XIX; and of these, 2 Europeans and one non-European were removed to the hospital from Constantia (Cape Divisional Area).

*Diphtheria.*—With regard to this disease there were 48 cases admitted, 37 being Europeans and 11 non-Europeans, and of these, 6 Europeans and 3 non-Europeans died, and one European remained in hospital at the close of the year. One of the European cases was admitted for Enteric Fever but was found to be a case of Diphtheria. One European case was admitted from the Municipality of Wynberg and 3 other Europeans from a steamer calling at the Port. The 2 Europeans and the non-European who remained in hospital at the close of the previous year were discharged during the present year.

Besides these cases of Diphtheria admitted, there were 22 Europeans and 7 non-Europeans admitted for Diphtheria, but who proved not to be cases as shown in Table XIX., and of these, one European died of Laryngitis and Broncho-Pneumonia, and 6 other Europeans were removed from steamers calling at the Port.

*Puerperal Fever.*—Eleven cases of this disease were admitted during the year, and of these 3 were Europeans and 8 non-Europeans, amongst whom, one European and 2 non-Europeans died.

In addition to the above cases, one European and 2 non-Europeans admitted for Puerperal Fever, proved not to be cases as shown in Table XIX., and of these 2 non-Europeans died, one of Nephritis and the other of Cirrhosis of the Liver.

*Erysipelas.*—Ten cases of this disease were admitted during the year, and were all Europeans. One of the cases died and the remaining 9 were discharged during the year under report.

There was in addition one European admitted for Erysipelas who was found not to be a case as shown in Table XIX; this case was admitted from Fish Hoek.

*Tuberculosis.*—There were 88 admissions during the year for this disease; 33 being Europeans and 55 non-Europeans; 3 of the Europeans and 3 of the non-Europeans were all 6 admitted to the City Hospital for Tuberculosis in a previous year and re-admitted in the present year. Twenty-two Europeans and 35 non-Europeans died, and of the 6 Europeans and 10 non-Europeans remaining in the City Hospital at the close of the previous year, 3 Europeans and 7 non-Europeans died and are included in the above 55 deaths from this disease in the hospital during the year. Six Europeans and 9 non-Europeans remained in hospital at the close of the present year.

Included in the above cases of Tuberculosis admitted are 4 Europeans and 4 non-Europeans who were taken into the hospital for Enteric Fever but found to be suffering from Tuberculosis; of these, 3 Europeans and 2 non-Europeans were cases of Tubercular Meningitis. Also there was one European admitted for Cerebro-Spinal Meningitis who proved to be a case of Tubercular Meningitis and one non-European admitted for Influenza who was found to be suffering from Pulmonary Tuberculosis.

Five Europeans and one non-European were admitted from outside the City's boundaries, and of these, one European was admitted from Paarl, one from Constantia, one from Vasco and 2 from Goodwood. The non-European was admitted from the Cape Divisional Council's area of Milnerton.



Two Europeans and 2 non-Europeans were removed from steamers calling at the Port.

Besides the cases of Tuberculosis admitted there was one European who was admitted for Tuberculosis, but was found not to be a case as shown in Table XIX.

*Measles.*—There were 13 cases of Measles admitted, and these were all Europeans who were removed from steamers calling at the Port. Together with the 3 European cases remaining in the hospital at the close of the previous year, they were all discharged in the year under consideration.

There was also one European admitted for Measles who proved not to be a case as shown in Table XIX.

*Encephalitis.*—One non-European was admitted suffering from this disease and remained in hospital at the close of the year. This case was admitted for Enteric Fever but was found to be a case of Encephalitis.

*Cerebro-Spinal Meningitis.*—One European was admitted suffering from this disease and remained in the hospital at the close of the present year. In addition to the above case one European admitted for Cerebro-Spinal Meningitis proved to be a case of Tubercular Meningitis, and another European and a non-European proved to be cases of Meningitis.

*Acute Anterior Poliomyelitis.*—One European case of this disease was admitted and discharged during the period under review.

*Pneumonia.*—Four Europeans and 7 non-Europeans were admitted, and of these, one European and 5 non-Europeans died, and one European and one non-European case remained in hospital at the close of the year.

*Influenza.*—Ten Europeans and 15 non-Europeans were admitted, and 5 Europeans and 5 non-Europeans remained in hospital over the close of the year. There were no deaths. One of the Europeans was removed to hospital from a steamer calling at the Port.

*Other Diseases.*—There were 5 Europeans and 2 non-Europeans admitted under this heading. Of the Europeans, one was a case of Cerebral Haemorrhage and died in hospital. Two were cases of Meningitis, one was discharged and the other remained in hospital at the close of the year; one was a case of Parotitis and was removed from a steamer in the Port, and the other a case of Syphilis who was admitted from the Cape Divisional Council's area of Tokai. The case of Parotitis was discharged during the year and the case of Syphilis was transferred to the Small Pox Hospital at Rentzkie's Farm. The 2 non-Europeans were cases of Meningitis and died. One of the European and one of the non-European cases of Meningitis, were both admitted for Cerebro-Spinal Meningitis.

*Observation.*—Four Europeans and one non-European were admitted for Observation. Of the Europeans, one was a suspected case of Diphtheria which proved not to be a case and was discharged. This case was admitted from the Cape Divisional Council's area of Bellville; one was a carrier of Diphtheria who was discharged, after becoming free of the Klebs-Loeffler B. Diphtheriæ; one proved to be a case of Septic Broncho-Pneumonia and was subsequently discharged, and the remaining European was a suspected case of Mumps removed from a steamer calling at the Port, which proved not to be a case and was subsequently discharged. The non-European case was admitted as a suspected case of Scarlet Fever, but proved to be a case of Epilepsy and died.

One non-European patient gave birth to a male infant in the hospital as shown in Table XIX.

The cases admitted for and proving not to be Scarlet Fever, Enteric Fever, Diphtheria, Puerperal Fever, Erysipelas, Tuberculosis and Measles have been dealt with above in the remarks on admissions for such diseases.

#### SMALL POX HOSPITAL.

This Hospital, which is situated at Rentzkie's Farm, is intended for the isolation of all cases of Small Pox occurring within the City of Capetown, the Municipalities of Wynberg and Simonstown, the area of the Cape Divisional Council and Port of Table Bay, and is also to be used for any cases of Plague and Typhus Fever occurring in these areas.

There were 13 cases admitted to the above hospital during the year, and of these, 2 were Europeans and 11 non-Europeans, amongst whom, one non-European died. Five non-Europeans remained in hospital at the close of the year.



*Small Pox.*—There was one European male admitted from outside the City's area suspected to be suffering from this disease. This case proved to be not one of Small Pox and was discharged before the close of the year.

*Typhus.*—Two native males were admitted for this disease from the N'dabeni Location which is just outside the Municipal boundary; one of these died and the other was discharged before the end of the present period.

*Syphilis.*—One European male and one non-European male (native) were admitted for this disease. The European was transferred from the City Hospital and belonged to the Cape Divisional Council's area of Tokai and the non-European belonged to Ward 5 of the City. Both were discharged before the close of the year.

*Chicken Pox.*—Four non-European males (one a native) were admitted as suspicious cases of Small Pox but proved to be cases of Chicken Pox. The native was admitted from the N'dabeni Location and remained in the hospital at the close of the year. The other three cases were discharged during the year.

*Influenza and Pneumonia (and Tuberculosis).*—Four non-Europeans were admitted, 2 for Influenza and 2 for Influenzal Pneumonia. One admitted for Influenza proved to be a case of Pulmonary Tuberculosis; another, admitted for Influenzal Pneumonia was a Native from the N'dabeni Location. All these cases remained in the hospital at the close of the year.

#### PART IV.

### **WORK OF THE FEMALE SANITARY INSPECTORS, AND OF THE INFANT LIFE AND TUBER- CULOSIS BUREAUX AND MUNICIPAL TREATMENT CENTRE (VENEREAL CLINIC).**

#### PORTION DEALING WITH WORK OF INSPECTRESSES AND INFANT WELFARE.

(PREPARED BY DR. MARY VAN INGEN.)

During the year 1921-22 the Staff consisted of 10 Sanitary Inspectresses and a Chief Sanitary Inspectress, who have worked under the direction of the Lady Assistant to the Medical Officer of Health.

The work had been carried out on similar lines to those of the preceding year. The duties of the Sanitary Inspectresses includes visits to houses where births had been promptly notified; investigations into the deaths of children under five years of age; fortnightly visits to notified cases of tuberculosis; investigation of certain cases of infectious diseases, particularly with regard to Ophthalmia Neonatorum, with a view to obtaining prompt and adequate treatment; the inspection of mid-wives and enquiry into cases of Puerperal Fever; also enquiry into indigent cases of confinement, where fees are due to medical men according to an arrangement made by the Council.

The Sanitary Inspectresses attend at the various Infant Welfare Bureaux established in different parts of the City, each Inspectress being responsible for the arrangements of the Bureau in her district; two also attend at the Tuberculosis Bureau held at the Public Health Department on Friday afternoons, and several at the Female Venereal Clinic held at 46, Keerom Street, on Tuesday and Friday afternoons.

Cases of illness and poverty discovered in their districts by the Sanitary Inspectresses are reported to the Lady Assistant to the Medical Officer of Health and referred to the hospitals, Free Dispensary or various charitable agencies as required. Sanitary defects discovered during routine visits are reported to the Chief Sanitary Inspector for investigation.

The following Table shows the number of visits paid by the Sanitary Inspectresses during the period under review, and in the previous years:—



TABLE XXI.

Number of visits paid by the Sanitary Inspectresses for the Present and two Previous Years.

| Description of Visits, Classified.                                       | Number of Visits. |            |            |
|--|-------------------|------------|------------|
|  | 1921-1922.        | 1920-1921. | 1919-1920. |
| Visits to Houses where Births have occurred ..                           | 6,604             | 6,202      | 5,841      |
| Visits to Houses where Deaths under 5 years of age have occurred .. .. . | 1,056             | 1,753      | 1,382      |
| Additional Visits to Houses where Births have occurred .. .. .           | 13,109            | 5,120      | 2,943      |
| Visits to cases of Tuberculosis .. .. .                                  | 1,223             | 3,108      | 3,918      |
| Visits <i>re</i> cases of Puerperal Fever .. .. .                        | 31                | 44         | 41         |
| Visits <i>re</i> Measles .. .. .   | ..                | 125        | 11         |
| Visits <i>re</i> Mumps .. .. .   | 1                 | ..         | ..         |
| Visits <i>re</i> Whooping Cough .. .. .                                  | 2                 | 22         | 10         |
| Visits <i>re</i> Enteric Fever .. .. .                                   | 1                 | 16         | 14         |
| Visits <i>re</i> Diphtheria .. .. .                                      | ..                | ..         | 4          |
| Visits <i>re</i> Erysipelas .. .. .                                      | ..                | ..         | 2          |
| Visits <i>re</i> Influenza .. .. .                                       | 59                | 3          | ..         |
| Visits <i>re</i> Scarlet Fever .. .. .                                   | 1                 | 1          | ..         |
| Visits <i>re</i> Leprosy .. .. .   | ..                | 2          | ..         |
| Visits <i>re</i> Chicken Pox .. .. .                                     | 1                 | 5          | ..         |
| Visits <i>re</i> Ophthalmia Neonatorum .. .. .                           | 151               | 39         | ..         |
| Visits <i>re</i> Pneumonia .. .. .                                       | ..                | 6          | ..         |
| Visits <i>re</i> Midwives .. .. .  | 494               | 355        | 425        |
| Visits to Schools .. .. .  | ..                | 2          | 2          |
| Visits to Workshops where females are employed .. .. .                   | 7                 | 3          | 23         |
| House Inspections .. .. .  | 1,308             | 1,943      | 3,338      |
| Various Visits .. .. .   | 654               | 832        | 697        |
| Total Visits .. .. .   | 24,702            | 19,581     | 18,651     |
| Complaints referred to Chief Sanitary Inspector .. .. .                  | 137               | 75         | 77         |

## NOTIFICATION OF BIRTHS.

The regulations *re* Early Notification of Births established in December, 1920, have been in operation since that date, and form the basis of the Sanitary Inspectresses work amongst infants and young children.

These regulations, framed under Section 133 (1) of the Public Health Act, No. 36 of 1919, and promulgated under Government Order No. 1058, dated June 18th, 1920, provide:—

(1) In respect of every child born after the completion of the sixth month of pregnancy, whether alive or dead, within the Municipality, it shall be the duty of the father of the child if he be residing with the mother when the child is born, or, in his absence, the person attending on the mother at the time of or within six hours after the birth, to furnish forthwith either verbally or in writing to the Medical Officer of Health the following particulars:—

- (a) Name, age, and race of mother.
- (b) Name of father.
- (c) Date and time of birth.
- (d) Place where the birth occurred and present address of mother.
- (e) Permanent address of mother.
- (f) Number of confinement (first, second, etc.)
- (g) Whether the child was born alive, and was alive at time of reporting.
- (h) Name of medical practitioner, midwife or other person who was in attendance.
- (i) Name and address of informant.

(2) The foregoing particulars shall, if reported verbally, be furnished to the Medical Officer of Health at his office or otherwise at such place as may be notified by advertisement, *within twenty-four hours of the birth*, or where a Sunday or public holiday intervenes, on the next succeeding day.



(3) If furnished through the post, the notification *must be posted within twenty-four hours* of the birth. The Council shall supply, on application and free of charge, to any medical practitioner or midwife residing or practising in the Municipality, stamped and addressed letter-cards containing the form of notification.

(4) The notification required to be made under these regulations shall be in addition to and not in substitution for the requirements of any law relating to the registration of births, and any registrar of births and deaths, or any person duly authorised thereto by such registrar shall, at all reasonable times, have access to notices of births received by a medical officer of health under these regulations, or to any book in which those notices may be recorded.

(5) Any person failing to comply with any provision of these regulations shall be liable on conviction to a fine not exceeding twenty-five pounds (£25).

To facilitate the carrying out of these regulations prepared letter-cards, addressed to the Medical Officer of Health, 12, Keerom Street, Capetown, are supplied to each midwife in the City, and on application at the Public Health Department.

During the period under review, 6,905 Births were notified, viz:—

|  |       |
|--|-------|
| Notified by Midwives .. .. .           | 5,796 |
| Notified by Parents and Others .. .. . | 1,098 |
| Notified by Doctors .. .. .            | 11    |

#### BUREAUX.

The work of the Infant Consultation Bureaux has continued to increase.

Five Bureaux for Infant Consultations are in operation and at each a Consultation is held weekly by the Lady Assistant to the Medical Officer of Health, with the assistance of the Sanitary Inspectress of the district. Voluntary workers also give their time and help at these weekly consultations.

The hours of consultation at each Bureau are as follows:—

|              |                 |   |                      |
|--------------|-----------------|---|----------------------|
| Mondays ..   | 2-5 p.m. ..     | Claremont Town Hall                                     | European & Coloured. |
| Tuesdays ..  | 10 a.m.-12 Noon | 3, Milner Road, Woodstock .. .. .                       | Coloured.            |
| Tuesdays ..  | 10 a.m.-12 Noon | West London .. .. .                                     | European & Coloured. |
| Wednesdays   | 2 p.m. - 5 p.m. | Health Department, 12, Keerom Street, Cape Town .. .. . | Coloured.            |
| Thursdays .. | 10 a.m.-12 Noon | Maitland Town Hall, Maitland .. .. .                    | European & Coloured. |
| Thursdays .. | 2-5 p.m. ..     | 3, Milner Road, Woodstock .. .. .                       | European.            |
| Fridays ..   | 2-3 p.m. ..     | Health Department, 12, Keerom Street, Cape Town .. .. . | European.            |

The number of Attendances at the Bureaux are shown below:—

|                     | 1921-1922. | 1920-1921. |
|---------------------|------------|------------|
| Cape Town .. .. .   | 4,951      | 5,321      |
| Maitland .. .. .    | 1,835      | 1,931      |
| Woodstock .. .. .   | 4,061      | 3,281      |
| West London .. .. . | 1,281      | 1,710      |
| Claremont .. .. .   | 2,969      | 3,191      |
| Totals ..           | 15,097     | 15,434     |

and the following Table shows the number of Attendances at each Bureau for each month classified as to Race:—



TABLE XXII.  
ATTENDANCES OF NURSING AND EXPECTANT MOTHERS, FOR  
CONSULTATION, AT THE BUREAUX.

| 1921-1921.       | 12<br>Keerom St. |                            | Maitland<br>Town Hall. |                            | Woodstock     |                            | West<br>London. |                            | Claremont<br>Town Hall. |                            | Totals.       |                            |
|------------------|------------------|----------------------------|------------------------|----------------------------|---------------|----------------------------|-----------------|----------------------------|-------------------------|----------------------------|---------------|----------------------------|
|                  | New<br>Cases.    | Total<br>Attend-<br>ances. | New<br>Cases.          | Total<br>Attend-<br>ances. | New<br>Cases. | Total<br>Attend-<br>ances. | New<br>Cases.   | Total<br>Attend-<br>ances. | New<br>Cases.           | Total<br>Attend-<br>ances. | New<br>Cases. | Total<br>Attend-<br>ances. |
| 1921.            |                  |                            |                        |                            |               |                            |                 |                            |                         |                            |               |                            |
| July .. .. E.    | 9                | 83                         | 7                      | 39                         | 25            | 194                        | ..              | 4                          | 1                       | 33                         | 42            | 353                        |
| O.               | 58               | 393                        | 33                     | 118                        | 25            | 153                        | 19              | 98                         | 30                      | 237                        | 165           | 999                        |
| August .. .. E.  | 14               | 79                         | 6                      | 35                         | 22            | 168                        | ..              | ..                         | 4                       | 27                         | 46            | 309                        |
| O.               | 46               | 349                        | 23                     | 117                        | 16            | 126                        | 11              | 90                         | 22                      | 143                        | 118           | 825                        |
| September .. E.  | 9                | 131                        | 6                      | 43                         | 20            | 207                        | ..              | 1                          | 18                      | 51                         | 53            | 433                        |
| O.               | 43               | 281                        | 32                     | 139                        | 18            | 128                        | 16              | 99                         | 21                      | 177                        | 130           | 824                        |
| October .. .. E. | 14               | 166                        | 4                      | 60                         | 22            | 259                        | ..              | 1                          | 9                       | 49                         | 49            | 535                        |
| O.               | 45               | 401                        | 29                     | 158                        | 32            | 169                        | 29              | 181                        | 35                      | 283                        | 170           | 1,192                      |
| November .. E.   | 8                | 73                         | 8                      | 45                         | 18            | 203                        | ..              | 1                          | 9                       | 37                         | 43            | 359                        |
| O.               | 36               | 343                        | 16                     | 101                        | 16            | 167                        | 15              | 118                        | 39                      | 234                        | 122           | 963                        |
| December .. E.   | 1                | 63                         | 8                      | 49                         | 19            | 181                        | ..              | 7                          | 2                       | 17                         | 30            | 317                        |
| O.               | 29               | 339                        | 9                      | 78                         | 20            | 158                        | 19              | 112                        | 20                      | 162                        | 97            | 849                        |
| 1922.            |                  |                            |                        |                            |               |                            |                 |                            |                         |                            |               |                            |
| January .. .. E. | 7                | 91                         | 10                     | 77                         | 20            | 190                        | 1               | 4                          | 1                       | 31                         | 39            | 393                        |
| O.               | 45               | 347                        | 21                     | 85                         | 25            | 151                        | 10              | 92                         | 16                      | 212                        | 117           | 887                        |
| February .. E.   | 18               | 83                         | 1                      | 65                         | 15            | 189                        | 2               | 10                         | 5                       | 25                         | 41            | 372                        |
| O.               | 52               | 332                        | 24                     | 82                         | 23            | 176                        | 21              | 104                        | 31                      | 240                        | 151           | 934                        |
| March .. .. E.   | 6                | 78                         | 6                      | 60                         | 19            | 183                        | 1               | 5                          | 10                      | 39                         | 42            | 365                        |
| O.               | 31               | 299                        | 20                     | 75                         | 16            | 146                        | 15              | 77                         | 18                      | 215                        | 100           | 812                        |
| April .. .. E.   | 5                | 93                         | 5                      | 67                         | 20            | 220                        | 2               | 8                          | 9                       | 44                         | 41            | 432                        |
| O.               | 39               | 320                        | 14                     | 89                         | 20            | 155                        | 15              | 105                        | 19                      | 228                        | 107           | 897                        |
| May .. .. E.     | 10               | 91                         | 2                      | 39                         | 7             | 154                        | ..              | 1                          | 5                       | 47                         | 24            | 332                        |
| O.               | 30               | 228                        | 17                     | 66                         | 13            | 86                         | 13              | 76                         | 31                      | 217                        | 104           | 673                        |
| June .. .. E.    | 7                | 91                         | 17                     | 48                         | 15            | 197                        | ..              | 2                          | 5                       | 39                         | 44            | 377                        |
| O.               | 31               | 197                        | 26                     | 100                        | 11            | 101                        | 11              | 85                         | 27                      | 182                        | 106           | 665                        |
| Total .. .. E.   | 108              | 1,122                      | 80                     | 627                        | 222           | 2,345                      | 6               | 44                         | 78                      | 439                        | 494           | 4,577                      |
| O.               | 485              | 3,829                      | 264                    | 1,208                      | 235           | 1,716                      | 194             | 1,237                      | 309                     | 2,530                      | 1,487         | 105,20                     |

A better class of mother than formerly is beginning to attend and appreciate the work of the Bureaux, which is intended to be mainly educational in nature.

Minor ailments are treated at the Bureaux and more serious cases referred to private Doctors, or arrangements made for their admission to hospital.

The aim of the consultation is to produce and maintain healthy babies, and to keep them under observation until they attain school age.

In cases of young infants who cannot be breast-fed, dried milk is supplied at cost price, under the Medical Officers direction, to those mothers who cannot afford to purchase from retail dealers; in some cases this is supplied free.

During the year 545 babies have been supplied with Lactogen and 6,186 lbs. have been used for the purpose.

A fund for supplying fresh milk at reduced cost is also administered by the Medical Officer at the Bureaux. This fund is provided by the Child Life Protection Society, and is a very great help for those infants and older children for whom the Medical Officer considers fresh milk the most suitable food.

During the year £478 12s. 7d. was the amount spent by the Society in the purchase of milk, and £127 17s. 6d. was contributed by the mothers towards the expenditure.



The services of the voluntary workers who attended these centres have proved at all times of great value, and many thanks are due to those ladies for their faithful attendance and assistance.

In order to encourage and enable poor mothers to breast-feed their infants, free dinners are provided at the Health Department, 12, Keerom Street, Capetown, and 3, Milner Road, Salt River, for Nursing and Expectant Mothers who are in need of nourishing food.

TABLE XXIII.

ATTENDANCES AT THE DINNERS FOR NURSING MOTHERS AT THE CAPETOWN PROPER AND WOODSTOCK BUREAUX FOR THE YEARS 1921-1922, 1920-1921.

| Month.          | Year 1921-1922.   |         |   |         | Year 1920-1921.   |         |  |         |
|-----------------|---|---------|---|---------|---|---------|--|---------|
|                 | Bureau at the Public Health Department, No. 12, Keerom St., Capetown. |         | Bureau at No. 3 Milner Road, Woodstock. |         | Bureau at the Public Health Department, No. 12, Keerom St., Capetown. |         | Bureau at No. 3 Milner Rd., Woodstock. |         |
|                 | Eurs.   | Others. | Eurs.                                   | Others. | Eurs.   | Others. | Eurs.                                  | Others. |
| July .. ..      | 63  | 348     | Nil                                     | 218     | Nil   | 452     | 110                                    | 298     |
| August .. ..    | 30  | 272     | 16                                      | 162     | Nil   | 339     | 81                                     | 225     |
| September .. .. | 10  | 148     | 82                                      | 128     | 48  | 286     | 130                                    | 104     |
| October .. ..   | Nil   | 304     | 44                                      | 183     | Nil   | 449     | 142                                    | 198     |
| November .. ..  | 40  | 221     | 15                                      | 63      | Nil   | 410     | 34                                     | 42      |
| December .. ..  | 33  | 186     | 8                                       | 104     | Nil   | 412     | 17                                     | 226     |
| January .. ..   | 27  | 157     | 42                                      | 121     | Nil   | 376     | 25                                     | 262     |
| February .. ..  | 83  | 331     | 23                                      | 196     | Nil   | 326     | 22                                     | 210     |
| March .. ..     | 77  | 127     | 2                                       | 212     | 43  | 240     | 9                                      | 198     |
| April .. ..     | 90  | 172     | 2                                       | 263     | 86  | 302     | Nil                                    | 237     |
| May .. ..       | 44  | 196     | 14                                      | 181     | 54  | 198     | Nil                                    | 218     |
| June .. ..      | 19  | 228     | Nil                                     | 191     | 96  | 201     | Nil                                    | 170     |
| Year .. ..      | 521   | 2,690   | 248                                     | 2,022   | 327   | 3,991   | 570                                    | 2,388   |

## DAY NURSERY.

The Day Nursery which is conducted at 122, Aspeling Street, Capetown, for the convenience of those mothers who are obliged to earn their own living, has done some useful work during the past year. The Nursery is under the supervision of a resident European Matron, who is a trained nurse. It was proposed to alter and extend the premises now in use by the addition of two adjacent cottages, but the estimated cost of this procedure prevented its accomplishment.

TABLE XXIV.

Daily Attendances of Paying and Free Children at the Day Nursery, Aspeling Street, Capetown Proper.

For the period 1st July, 1921 to 30th June, 1922:—

| MONTH           | ATTENDANCES.           |       |        | AMOUNT PAID. |
|-----------------|------------------------|-------|--------|--------------|
|                 | Paying @ 4d. per diem. | Free. | Total. |              |
| 1921.           |                        |       |        | £ s. d.      |
| July .. ..      | 323                    | 30    | 353    | 5 7 4        |
| August .. ..    | 217                    | 23    | 240    | 3 12 4       |
| September .. .. | 315                    | 24    | 339    | 5 5 0        |
| October .. ..   | 443                    | 30    | 473    | 7 7 8        |
| November .. ..  | 439                    | 24    | 463    | 7 6 4        |
| December .. ..  | 339                    | 24    | 363    | 5 13 0       |
| 1922.           |                        |       |        |              |
| January .. ..   | 248                    | ...   | 248    | 4 2 8        |
| February .. ..  | 346                    | 31    | 377    | 5 15 4       |
| March .. ..     | 74                     | 24    | 98     | 1 4 8        |
| April .. ..     | 150                    | 12    | 162    | 2 10 0       |
| May .. ..       | 159                    | 23    | 182    | 2 13 0       |
| June .. ..      | 175                    | 21    | 196    | 2 18 4       |
| Year .. ..      | 3,228                  | 266   | 3,494  | 53 15 8      |



## TUBERCULOSIS BUREAU.

(Prepared by Dr. A. W. REID, Assistant Medical Officer of Health.)

The Bureau is open every week day from 9 to 10 a.m. for the issuing of medicine gratuitously to notified cases of Tuberculosis, and on Friday afternoons from 3 to 5 p.m., for treatment and examination of patients. A number of cases are sent by medical practitioners either for diagnosis or for advice as to treatment. Discharged patients from the City Hospital who have derived benefit from the Tuberculin treatment attend weekly to have the same continued.

For treatment in the City Hospital it was intended that only cases which are likely to derive benefit from open air and Tuberculin treatment should be chosen, but in consequence of no hospital accommodation for advanced cases a large proportion of such are admitted. Besides the applicants for admission to hospital who attend here, there are attendances of persons who consider they have quite recovered or who wish the diagnosis as to their condition to be verified.

During the year there were 1,034 attendances at the Bureau as compared with 1,280 in the previous year:—

| Race.           | Year 1921-1922. |          | Year 1920-1921. |          |
|-----------------|-----------------|----------|-----------------|----------|
|                 | Males.          | Females. | Males.          | Females. |
| European ... .. | 191             | 104      | 112             | 75       |
| Other ... ..    | 326             | 413      | 392             | 701      |
| Persons ... ..  | 517             | 517      | 504             | 776      |
|                 | 1,034           |          | 1,280           |          |

In addition to the treatment detailed above a special allowance of 1 lb. of bread and one pint of milk is made daily in certain instances to indigent Tuberculosis patients. It is one of the duties of the Chief Sanitary Inspectress to issue orders, after approval by the Medical Officer of Health, to the respective tradespeople who supply these patients, and to make periodic visits to the patients' homes to make sure, as far as possible, that the supplies have been made use of by the persons for whom they are intended.

The number of cases of notified Tuberculosis being visited by the Sanitary Inspectresses on 30th June, 1922, were:—

|                  |    |                       |     |
|------------------|----|-----------------------|-----|
| European Males   | 43 | Non-European Males    | 166 |
| European Females | 46 | Non-Europeans Females | 214 |
| Persons 89       |    | Persons 380           |     |

## TREATMENT OF VENEREAL DISEASES.

The Municipal Treatment Centre which was established at 46, Keerom Street, Capetown, in August, 1920, was continued during the year. The arrangements made with various local medical men were continued until December 12th, 1921, when Dr. Cooney took up the work as a whole time Officer to attend to the male patients. The Centre, until that time, was open on Monday, Tuesday, Wednesday and Thursday evenings from 8 p.m. Afterwards, the hours of attendance have been Mondays, Tuesdays, Wednesdays and Fridays after 5 p.m., and Thursday afternoons after 2 p.m.

A Clinic for the treatment of females and children by the Lady Assistant Medical Officer is held on Tuesday and Friday afternoons from 2 to 4 p.m. It has been found necessary to engage Dr. Alice Winter to assist in this work.



## MUNICIPAL TREATMENT CENTRE (MALE DEPARTMENT).

(Prepared by Dr. W. P. COONEY.)

The number of new patients presenting themselves at the Centre during each month of the past year has remained fairly constant—the monthly average being just over 68.

Since December, when the nature of Venereal Disease, and the consequences of insufficient treatment have been fully explained to each individual patient, there has been a gratifying increase in the total number of attendances.

Much remains yet to be done in this direction.

It may be of interest to consider what are the peculiar difficulties to be contended with in regard to the regular attendance of patients in Capetown. The trouble experienced in maintaining regular attendance is common to all Venereal Disease Clinics, but it is accentuated in the present instance for the following reasons:—

Syphilis is described euphemistically as "bad blood;" the disease is regarded as cured when the more urgent symptoms are alleviated, and, in the majority of cases, attendance ceases in spite of repeated warnings. Gonorrhœa is treated in a very light hearted manner. A very small minority attend in the first two weeks after infection, the remainder at any time up to twelve months from the start of the disease, and then usually when complications have arisen.

The erring class in this respect is composed mainly of natives and the lowest grade of the coloured community.

The reason for this attitude is not far to seek. These people are, for the most part, illiterate; they live under hopeless conditions so far as housing is concerned; the sexes intermingle promiscuously, and they have received no education regarding the dangers of Venereal Disease.

The question of how best to deal with this problem is one for grave concern. It can readily be seen what a menace to the health of the community the presence of these men in our midst constitutes.

The attitude of the public in general towards Venereal Disease is not satisfactory. The existence of this disease in embryo is fully recognised, but the disposition is to ignore its actual presence. The attention of sociologists is directed mainly to prevention. The campaign against Venereal Disease by lectures, cinematograph demonstrations, etc., reaches chiefly those who are subject to the benign influence of good home life. Such measures do not reach what may be called the "danger class."

It is hoped that arrangements will shortly be made with a view to giving publicity to the place, and hours of attendance at the Treatment Centre. This can be carried out by displaying suitable notices in the public Chalets and other approved places.

The establishing of a definite Venereal Clinic at the N'dabeni Location, together with the institution of a special Treatment Centre in the Hanover Street area for coloured patients, are steps worthy of consideration in dealing with this problem. The benefit to the community in increased health, happiness and efficiency would more than compensate for the financial outlay.

Provision is made in Section 54 of the Public Health Act No. 36 of 1919, for the compulsory enforcement of treatment in known cases of Venereal Disease. Police Court proceedings were instituted in one case during the past year—imprisonment with the option of a fine being the punishment inflicted. A rigorous application of this Clause would, however, defeat the end in view, and prosecution is recommended in selected cases only, where immediate danger to the public health is threatened. Venereal Disease cannot be legislated out of existence.

The building in which the Treatment Centre is at present conducted is not quite suitable, and modifications and improvements are urgently required. The provision of beds for at least six patients is an urgent necessity in order that full use may be made of the Clinic, and "In" patient treatment afforded to those for whom it is required.

The arsenical preparations used in the past year include Novarsenobillon, Neo-Kharsivan, Sodium Diarsenol, Neo-Salvarsan and Silver-Salvarsan.

Mercury is administered intramuscularly in the form of Grey Oil, with very few exceptions.



Vaccines are used in Gonorrhœa in selected cases. Their use as a routine measure has not been adopted.

Direct examination of smears, etc., are carried out at the Clinic.

A marked saving has resulted in expenditure on medicines, ointments, etc., all of which are compounded by a whole-time Dispenser, who was appointed during the year.

During the twelve months under review four cases of arsenical and two of mercurial intolerance were noted. None was serious, and all recovered under suitable treatment.

Wasserman Reactions and preparations of Vaccines have been carried out by Professor Mackie, of the Cape Town University, to whom grateful acknowledgments are due.

TABLE XXV.

## MALE SECTION.

SHOWING NUMBER OF ATTENDANCES AND PATIENTS TREATED AT THE MUNICIPAL TREATMENT CENTRE (VENEREAL CLINIC) FROM JULY 1ST, 1921, TO 30TH JUNE, 1922.

|           |    | Total Attendances. | Total patients during each month. | Diseases—New Cases. |           |            |                         |                        | Intravenous Injections. | Intramuscular Injections. | Wasserman's Reactions. |
|-----------|----|--------------------|-----------------------------------|---------------------|-----------|------------|-------------------------|------------------------|-------------------------|---------------------------|------------------------|
|           |    |                    |                                   | New Patients.       | Syphilis. | Gonorrhœa. | Syphilis and Gonorrhœa. | Non-Venereal Diseases. |                         |                           |                        |
| July ..   | E. | 306                | 120                               | 120                 | 88        | 27         | ..                      | 5                      | 143                     | 67                        | 38                     |
|           | O. | 201                | 80                                | 80                  | 58        | 19         | ..                      | 3                      | 101                     | 52                        | 29                     |
| August    | E. | 329                | 137                               | 46                  | 18        | 12         | 10                      | 6                      | 116                     | 50                        | 49                     |
|           | O. | 233                | 84                                | 40                  | 16        | 14         | 10                      | ..                     | 125                     | 38                        | 38                     |
| Sept. ..  | E. | 289                | 111                               | 30                  | 15        | 7          | 8                       | ..                     | 101                     | 30                        | 47                     |
|           | O. | 255                | 99                                | 41                  | 20        | 10         | 9                       | 2                      | 105                     | 30                        | 34                     |
| October   | E. | 350                | 139                               | 39                  | 21        | 8          | 7                       | 3                      | 110                     | 22                        | 55                     |
|           | O. | 246                | 93                                | 28                  | 15        | 9          | 4                       | ..                     | 105                     | 23                        | 28                     |
| Nov. ..   | E. | 422                | 159                               | 51                  | 25        | 20         | 6                       | ..                     | 186                     | 17                        | 63                     |
|           | O. | 228                | 80                                | 22                  | 10        | ..         | 12                      | ..                     | 110                     | 22                        | 28                     |
| Dec. ..   | E. | 358                | 130                               | 25                  | 14        | 9          | 2                       | ..                     | 185                     | 109                       | 23                     |
|           | O. | 155                | 77                                | 26                  | 10        | 5          | 11                      | ..                     | 73                      | 48                        | 23                     |
| January   | E. | 415                | 147                               | 34                  | 10        | 15         | 7                       | 2                      | 227                     | 217                       | 45                     |
|           | O. | 154                | 73                                | 41                  | 10        | 21         | 8                       | 2                      | 108                     | 102                       | 30                     |
| February  | E. | 484                | 171                               | 35                  | 21        | 8          | 6                       | ..                     | 267                     | 258                       | 27                     |
|           | O. | 253                | 89                                | 33                  | 13        | 10         | 10                      | ..                     | 137                     | 132                       | 27                     |
| March ..  | E. | 619                | 185                               | 40                  | 14        | 21         | 4                       | 1                      | 257                     | 240                       | 44                     |
|           | O. | 304                | 89                                | 25                  | 12        | 8          | 2                       | 3                      | 122                     | 117                       | 25                     |
| April ..  | E. | 566                | 180                               | 31                  | 12        | 16         | 1                       | 2                      | 231                     | 216                       | 29                     |
|           | O. | 379                | 105                               | 35                  | 18        | 14         | 2                       | 1                      | 113                     | 107                       | 24                     |
| May ..    | E. | 629                | 191                               | 43                  | 14        | 19         | 6                       | 4                      | 235                     | 209                       | 46                     |
|           | O. | 354                | 98                                | 36                  | 15        | 11         | 6                       | 4                      | 129                     | 116                       | 32                     |
| June ..   | E. | 671                | 178                               | 28                  | 5         | 13         | 1                       | 9                      | 239                     | 227                       | 35                     |
|           | O. | 374                | 100                               | 32                  | 17        | 8          | 4                       | 3                      | 135                     | 123                       | 134                    |
| Totals .. | E. | 5,438              | 1,848                             | 522                 | 257       | 175        | 58                      | 32                     | 2,297                   | 1,662                     | 501                    |
|           | O. | 3,136              | 1,067                             | 439                 | 214       | 129        | 78                      | 18                     | 1,363                   | 910                       | 352                    |



TABLE XXVI.  
FEMALE SECTION.

SHOWING NUMBER OF ATTENDANCES AND DISEASES OF FEMALE PATIENTS AND CHILDREN  
TREATED AT THE MUNICIPAL TREATMENT CENTRE, FROM JULY 1ST, 1921, TO JUNE  
30TH, 1922. (Prepared by Dr. Mary van Ingen).

| Month.     | Race. | Total<br>attend-<br>ances<br>during<br>month. | Total<br>patients<br>during<br>month. | New Cases.                             |  |                              |                  |                                     |                               |
|------------|-------|---|---------------------------------------|--|--|------------------------------|------------------|-------------------------------------|-------------------------------|
|            |       |   |                                       | Total<br>attend-<br>ing each<br>month. | Diseases from which patients suffered. |                              |                  |                                     |                               |
|            |       |   |                                       |  | Syphilis.                              | Congen-<br>ital<br>Syphilis. | Gonor-<br>rhoea. | Syphilis<br>and<br>Gonor-<br>rhoea. | Non-<br>Venereal<br>Diseases. |
| July ..    | E.    | ..  | 22                                    | 22                                     | 15                                     | 4                            | ..               | ..                                  | 3                             |
|            | O.    | ..  | 77                                    | 77                                     | 56                                     | 14                           | 3                | ..                                  | 4                             |
|            | Total | 228   | 99                                    | 99                                     | 71                                     | 18                           | 3                | ..                                  | 7                             |
| August ..  | E.    | ..  | 23                                    | 7                                      | 6                                      | ..                           | ..               | ..                                  | 1                             |
|            | O.    | ..  | 82                                    | 31                                     | 19                                     | 3                            | 2                | ..                                  | 7                             |
|            | Total | 261   | 105                                   | 38                                     | 25                                     | 3                            | 2                | ..                                  | 8                             |
| September  | E.    | ..  | 18                                    | 5                                      | 4                                      | 1                            | ..               | ..                                  | ..                            |
|            | O.    | ..  | 76                                    | 34                                     | 24                                     | 10                           | ..               | ..                                  | ..                            |
|            | Total | 253   | 94                                    | 39                                     | 28                                     | 11                           | ..               | ..                                  | ..                            |
| October .. | E.    | ..  | 33                                    | 14                                     | 8                                      | 3                            | ..               | 1                                   | 2                             |
|            | O.    | ..  | 93                                    | 36                                     | 26                                     | 6                            | 1                | ..                                  | 3                             |
|            | Total | 296   | 126                                   | 50                                     | 34                                     | 9                            | 1                | 1                                   | 5                             |
| November   | E.    | ..  | 34                                    | 7                                      | 3                                      | ..                           | 2                | ..                                  | 2                             |
|            | O.    | ..  | 75                                    | 19                                     | 12                                     | 5                            | ..               | ..                                  | 2                             |
|            | Total | 270   | 109                                   | 26                                     | 15                                     | 5                            | 2                | ..                                  | 4                             |
| December   | E.    | ..  | 30                                    | 10                                     | 7                                      | 3                            | ..               | ..                                  | ..                            |
|            | O.    | ..  | 70                                    | 25                                     | 16                                     | 3                            | 1                | 1                                   | 4                             |
|            | Total | 220   | 100                                   | 35                                     | 23                                     | 6                            | 1                | 1                                   | 4                             |
| January .. | E.    | ..  | 42                                    | 5                                      | 2                                      | ..                           | ..               | ..                                  | 3                             |
|            | O.    | ..  | 59                                    | 19                                     | 14                                     | 4                            | 1                | ..                                  | ..                            |
|            | Total | 247   | 101                                   | 24                                     | 16                                     | 4                            | 1                | ..                                  | 3                             |
| February   | E.    | ..  | 37                                    | 3                                      | 3                                      | ..                           | ..               | ..                                  | ..                            |
|            | O.    | ..  | 65                                    | 30                                     | 21                                     | 8                            | 1                | ..                                  | ..                            |
|            | Total | 276   | 102                                   | 33                                     | 24                                     | 8                            | 1                | ..                                  | ..                            |
| March ..   | E.    | ..  | 34                                    | 7                                      | 5                                      | 1                            | 1                | ..                                  | ..                            |
|            | O..   | ..  | 92                                    | 37                                     | 33                                     | 3                            | 1                | —                                   | ..                            |
|            | Total | 322   | 126                                   | 44                                     | 38                                     | 4                            | 2                | ..                                  | ..                            |
| April ..   | E.    | ..  | 28                                    | 3                                      | 2                                      | ..                           | 1                | ..                                  | ..                            |
|            | O.    | ..  | 74                                    | 15                                     | 11                                     | 3                            | 1                | ..                                  | ..                            |
|            | Total | 201   | 102                                   | 18                                     | 13                                     | 3                            | 2                | ..                                  | ..                            |
| May ..     | E.    | ..  | 37                                    | 8                                      | 6                                      | 1                            | 1                | ..                                  | ..                            |
|            | O.    | ..  | 95                                    | 43                                     | 27                                     | 11                           | 1                | ..                                  | 4                             |
|            | Total | 298   | 132                                   | 51                                     | 33                                     | 12                           | 2                | ..                                  | 4                             |
| June ..    | E.    | ..  | 45                                    | 9                                      | 5                                      | 1                            | 1                | ..                                  | 2                             |
|            | O.    | ..  | 97                                    | 31                                     | 24                                     | 3                            | ..               | ..                                  | 4                             |
|            | Total | 348   | 142                                   | 40                                     | 29                                     | 4                            | 1                | ..                                  | 6                             |
| Year       | Total | 3,220   | 1,338                                 | 497                                    | 349                                    | 87                           | 18               | 2                                   | 41                            |



## PART V.

**GENERAL.****WATER SUPPLY.**

The various supplies of water to the different parts of the City are as follows:—

1. From the catchment area on Table Mountain, supplying chiefly the Sea Point and Green Point and Central Wards. This water is collected in two reservoirs, Woodhead (220,000,000 gallons), and Hely-Hutchinson (203,000,000 gallons). The Kloof Nek Reservoir (3,000,000 gallons) and the Mocke Reservoir (200,000 gallons) are filled from these, and are used as service reservoirs for the higher levels of the town.
2. Water from springs on the face of Table Mountain and the Platte Klip Stream collected in the Molteno Reservoir (40,000,000 gallons) and the Lower Reservoirs (13,300,000 gallons). These reservoirs are also fed from the Woodhead Reservoir on Table Mountain, and Steenbras Reservoir.
3. Water from the catchment area on the easterly side of Table Mountain, which is collected in the Newlands Storage Reservoir (30,000,000 gallons); also a service reservoir holding 700,000 gallons.
4. From a catchment area on the Tokai Mountains, collected in a reservoir known as the Muizenberg Storage Reservoir (22,000,000 gallons). This supplies Muizenberg, St. James and Kalk Bay. There is a service reservoir with a capacity of 95,000 gallons in connection with this water supply.
5. The Steenbras Reservoir opened in March of this year (600,000,000 gallons) supplying the low level areas of Capetown and Suburbs.

The total storage capacity of the reservoirs belonging to the City is 1,132,295,000 gallons.

The mains conveying the water from sources Nos. 1, 2 and 3 have now been linked up with the mains charged with the water from No. 4 source.

Steenbras being available for the supply of the City there were no restrictions on the supply during the year.

The rainfall registered at the Woodhead Reservoir, from 1st October, 1921 to 31st March, 1922 = 19.93 inches.

**INSPECTION OF MEAT AND OTHER FOODS.****TABLE XXVII.**

Return of meat from animals slaughtered outside the City and brought in for consumption which was inspected at the Depôts appointed by the Council, and of meat brought in by rail and inspected at the premises of the Consignees under agreement with the Council. Period: 1st July, 1921, to 30th June, 1922.

| Description.            | Inspected. | Passed. | Condemned. | Percentage Condemned. |
|-------------------------|------------|---------|------------|-----------------------|
| *Carcases of Beef .. .. | 5,294      | 5,290   | 4          | ·075                  |
| * .. Mutton .. ..       | 46,938     | 46,934  | 4          | ·008                  |
| .. Veal .. ..           | 1,218      | 1,218   | —          | —                     |
| * .. Pork .. ..         | 5,379      | 5,272   | 107        | 1·989                 |
| *Parts of Beef .. ..    | 411        | 409     | 2          | ·048                  |
| .. Mutton .. ..         | 2,685      | 2,684   | 1          | ·003                  |
| .. Veal .. ..           | 338        | 338     | —          | —                     |
| Ox Heads .. ..          | 3,729      | 3,503   | 31         | ·083                  |
| Ox Hearts .. ..         | 3,879      | 3,827   | 52         | 1·340                 |
| Ox Tongues .. ..        | 4,677      | 4,606   | 71         | 1·541                 |
| Ox Livers .. ..         | 4,792      | 3,878   | 914        | 19·073                |
| Ox Lungs .. ..          | 938        | 780     | 158        | 16·844                |
| Ox Kidneys .. ..        | 9,396      | 9,392   | 4          | ·042                  |
| Ox Spleens .. ..        | 4,354      | 4,353   | 1          | ·002                  |
| Sheeps' Plucks .. ..    | 40,011     | 39,861  | 150        | ·037                  |
| Pigs' Plucks .. ..      | 2,538      | 2,432   | 106        | 4·176                 |
| Ox Skirts .. ..         | 237        | 237     | —          | —                     |
| Parts of Pork .. ..     | 5          | 3       | 2          | ·400                  |

In addition to the above the following portions of the above carcasses and portions of viscera were also condemned at the same Depôts.

| Description.         | Number. |
|----------------------|---------|
| Pigs' Lungs .. ..    | 1,554   |
| Pigs' Livers .. ..   | 425     |
| Sheeps' Livers .. .. | 5,454   |
| Sheeps' Lungs .. ..  | 8,542   |
| Ox Kidneys .. ..     | 4       |
| Ox Tails .. ..       | 1       |

\*146 pieces of beef weighing 1,480 lbs., 14 pieces of mutton weighing 118 lbs., and 7 pieces of pork weighing 48 lbs. were also condemned during the year.



TABLE XXVIII.

Return showing number and portions of carcasses of meat which were condemned at the Depôts appointed by the Council and at the premises of the consignees under agreement with the Council, classified under the various diseases for which they were condemned. Period: 1st July, 1921, to 30th June, 1922.

| Description.         | Number. | Pleurisy. | Bruised. | Tuberculosis. | Measles. | Inflammation. | Cysts. | Abscess. | Angiomatosis. | Fukes. | Actinomycosis. | Pericarditis. | Tapeworm. | Strongylus<br>Rufescens. | Suffocation. | Dropsy. | Pre-Sternal<br>Calcification. | Adenosis. | Putrefaction. | Peritonitis. | Caseous Lymph<br>Adenitis. | Cirrhosis. | Jaundice. | Emaciation. |
|----------------------|---------|-----------|----------|---------------|----------|---------------|--------|----------|---------------|--------|----------------|---------------|-----------|--------------------------|--------------|---------|-------------------------------|-----------|---------------|--------------|----------------------------|------------|-----------|-------------|
| Parts of Mutton      | 17      | 4         | 5        | ..            | ..       | ..            | ..     | 1        | ..            | ..     | ..             | ..            | ..        | ..                       | ..           | ..      | ..                            | ..        | ..            | 5            | ..                         | ..         | ..        |             |
| Parts of Pork ..     | 9       | 1         | 2        | 5             | 1        | ..            | ..     | ..       | ..            | ..     | ..             | ..            | ..        | ..                       | ..           | ..      | ..                            | ..        | ..            | ..           | ..                         | ..         | ..        |             |
| Parts of Beef ..     | 149     | 71        | ..       | ..            | ..       | ..            | ..     | ..       | ..            | ..     | ..             | ..            | ..        | ..                       | ..           | ..      | 16                            | 2         | 60            | ..           | ..                         | ..         | ..        |             |
| Carcasses of Pork .. | 107     | ..        | 1        | 105           | ..       | ..            | ..     | ..       | ..            | ..     | ..             | ..            | ..        | ..                       | ..           | ..      | ..                            | ..        | ..            | 1            | ..                         | ..         | ..        |             |
| Pigs' Lungs          | 1554    | ..        | ..       | ..            | 1538     | 16            | ..     | ..       | ..            | ..     | ..             | ..            | ..        | ..                       | ..           | ..      | ..                            | ..        | ..            | ..           | ..                         | ..         | ..        |             |
| Pigs' Plucks         | 106     | ..        | ..       | 47            | 42       | ..            | 17     | ..       | ..            | ..     | ..             | ..            | ..        | ..                       | ..           | ..      | ..                            | ..        | ..            | ..           | ..                         | ..         | ..        |             |
| Pigs' Livers         | 425     | ..        | ..       | ..            | ..       | 413           | 11     | ..       | 1             | ..     | ..             | ..            | ..        | ..                       | ..           | ..      | ..                            | ..        | ..            | ..           | ..                         | ..         | ..        |             |
| Ox Livers            | 914     | ..        | 11       | ..            | 2        | 139           | 110    | 120      | 483           | ..     | ..             | ..            | ..        | ..                       | 1            | ..      | ..                            | ..        | 44            | ..           | 1                          | 3          | ..        |             |
| Ox Lungs             | 158     | ..        | 2        | ..            | 48       | 102           | ..     | ..       | 2             | ..     | ..             | ..            | ..        | ..                       | ..           | ..      | ..                            | ..        | 4             | ..           | ..                         | ..         | ..        |             |
| Ox Tongues           | 71      | ..        | ..       | 55            | ..       | ..            | ..     | ..       | 14            | ..     | ..             | ..            | ..        | ..                       | ..           | ..      | ..                            | ..        | 2             | ..           | ..                         | ..         | ..        |             |
| Ox Hearts            | 52      | ..        | ..       | 17            | 2        | ..            | ..     | 1        | ..            | 32     | ..             | ..            | ..        | ..                       | ..           | ..      | ..                            | ..        | ..            | ..           | ..                         | ..         | ..        |             |
| Ox Spleens           | 1       | ..        | ..       | ..            | 1        | ..            | ..     | ..       | ..            | ..     | ..             | ..            | ..        | ..                       | ..           | ..      | ..                            | ..        | ..            | ..           | ..                         | ..         | ..        |             |
| Sheep Livers         | 5454    | ..        | ..       | ..            | 150      | 860           | 36     | ..       | 32            | ..     | 4348           | 14            | ..        | ..                       | ..           | ..      | ..                            | ..        | 14            | ..           | ..                         | ..         | ..        |             |
| Sheep Lungs          | 8542    | ..        | ..       | ..            | 7980     | 103           | ..     | ..       | ..            | ..     | 37             | 422           | ..        | ..                       | ..           | ..      | ..                            | ..        | ..            | ..           | ..                         | ..         | ..        |             |
| Sheep Plucks         | 150     | ..        | ..       | 1             | 43       | 42            | 1      | ..       | ..            | ..     | 49             | ..            | 1         | 1                        | ..           | ..      | ..                            | ..        | ..            | 12           | ..                         | ..         | ..        |             |
| Carcasses of Mutton  | 4       | ..        | ..       | ..            | ..       | ..            | ..     | ..       | ..            | ..     | ..             | ..            | ..        | 1                        | 2            | ..      | ..                            | ..        | ..            | ..           | ..                         | 1          | ..        |             |
| Ox Heads             | 31      | ..        | ..       | 28            | ..       | ..            | ..     | ..       | 3             | ..     | ..             | ..            | ..        | ..                       | ..           | ..      | ..                            | ..        | ..            | ..           | ..                         | ..         | ..        |             |
| Ox Kidneys           | 4       | ..        | ..       | ..            | 4        | ..            | ..     | ..       | ..            | ..     | ..             | ..            | ..        | ..                       | ..           | ..      | ..                            | ..        | ..            | ..           | ..                         | ..         | ..        |             |
| Carcasses of Beef    | 4       | ..        | ..       | 3             | 1        | ..            | ..     | ..       | ..            | ..     | ..             | ..            | ..        | ..                       | ..           | ..      | ..                            | ..        | ..            | ..           | ..                         | ..         | ..        |             |
| Ox Tails ..          | 1       | 1         | ..       | ..            | ..       | ..            | ..     | ..       | ..            | ..     | ..             | ..            | ..        | ..                       | ..           | ..      | ..                            | ..        | ..            | ..           | ..                         | ..         | ..        |             |
| Total ..             | 17753   | 5         | 79       | 19            | 257      | 9807          | 1679   | 176      | 121           | 518    | 17             | 32            | 4434      | 436                      | 1            | 4       | 17                            | 2         | 124           | 1            | 17                         | 1          | 5         | 1           |

## INTERNED MEASLY BEEF.

Sixty and one-quarter carcasses of measley beef were detained and interned in Cold Storage at the Imperial Cold Storage Depot, Dock Road, for the usual period of 28 days.

These carcasses all come under the category of imported meat; the total weight being 38,721 lbs.

## LIST OF MEAT AND FOODSTUFFS WHICH HAVE BEEN CONDEMNED AS UNFIT FOR HUMAN CONSUMPTION AS THE RESULT OF ORDINARY INSPECTIONS BY THE SANITARY INSPECTORS DURING THE PERIOD 1ST JULY, 1921, TO 30TH JUNE, 1922.

|                               |    |    |    |    |    |          |
|-------------------------------|----|----|----|----|----|----------|
| Fresh meat ..                 | .. | .. | .. | .. | .. | 619 lbs. |
| Preserved meat ..             | .. | .. | .. | .. | .. | 267 "    |
| Poultry ..                    | .. | .. | .. | .. | .. | 1,480 "  |
| Fish: Salted and preserved .. | .. | .. | .. | .. | .. | 2,636 "  |
| Eggs, 1,788 ..                | .. | .. | .. | .. | .. | 226 "    |
| Eggs: Ostrich, 44 ..          | .. | .. | .. | .. | .. | 66 "     |
| Potatoes: 595 bags ..         | .. | .. | .. | .. | .. | 88,756 " |
| Cheese ..                     | .. | .. | .. | .. | .. | 1,116 "  |
| Jam ..                        | .. | .. | .. | .. | .. | 3,486 "  |
| Sugar ..                      | .. | .. | .. | .. | .. | 2,895 "  |
| Condensed milk ..             | .. | .. | .. | .. | .. | 43,647 " |
| Fruit: Fresh and preserved .. | .. | .. | .. | .. | .. | 15,846 " |
| Dried fruit ..                | .. | .. | .. | .. | .. | 1,528 "  |
| Confectionery ..              | .. | .. | .. | .. | .. | 419 "    |
| Other foodstuffs ..           | .. | .. | .. | .. | .. | 3,970 "  |

In my Annual Report for the year ending 30th June, 1919, I pointed out that Regulation 317 had again proved ineffective with regard to the examination of imported meat in so far as parcels which arrived by railway and through the Post Office were concerned.

In order to compel the observance of this regulation it has been again amended and was re-promulgated on the 13th October, 1921.



The following is the text of the regulation as it at present stands:—

Office of the Administrator,  
Cape Town, 13th October, 1921.

It is hereby notified for general information that the Administrator, with the advice of the Executive Committee, has been pleased to approve of the subjoined amended Slaughterhouse Regulation framed by the Cape Town Municipality under the provision of the Cape Municipal Ordinance, 1912.

A. WEISBECKER.  
for Provincial Secretary.

### CAPE TOWN MUNICIPALITY.

#### AMENDED SLAUGHTERHOUSE REGULATIONS.

(Framed under Ordinance No. 10 of 1912.)

(Promulgated under Government Notice No. 438 of 1921, on the  
14th October, 1921.)

Regulation No. 317 promulgated under Provincial Government Notice No. 76 of the 3rd March, 1921, is hereby amended to read as follows:—

317. (a) No carcase or meat of animals not slaughtered at the Municipal Slaughterhouses shall, if intended for sale as food within the Municipality, be by any person taken to or be by any person caused to be taken to or deposited in any place within the Municipality (other than a place of examination) until such carcase or meat has been examined by an authorised official of the Council, and stamped and passed by such official as being sound, free from disease, wholesome and fit for food purposes. This regulation shall not apply to game.

(b) A place of examination shall be:—

- (1) The Municipal Slaughterhouse.
- (2) A dépôt or dépôts provided by the Council for the purpose.
- (3) In the case of carcasses or meat consigned by rail or by sea, such suitable place as may be agreed upon by the Council with the consignees or, failing agreement, the place of discharge from the railway or ship.

(c) For the examination and stamping of carcasses of butchers' meat brought into the Municipality, the Council shall have the power to make the following charges:—

|   | s. | d. |
|---|----|----|
| For each ox carcase or part thereof ... ..    | 1  | 2  |
| For each sheep carcase or part thereof ... .. | 0  | 3  |
| For each pig carcase or part thereof ... ..   | 0  | 9  |
| For each calf carcase or part thereof ... ..  | 0  | 9  |

(d) No person, company or firm or any agent or employee thereof shall sell, offer for sale, or have in his possession or control for the purpose of sale, use, or disposal within the City of Cape Town, or bring, send to, or deliver within the City for the purpose of being sold or offered for sale or delivery within the City pursuant to any contract of sale previously made any fresh and uncured meat, including the carcase, flesh and other food products of any cattle, calf, swine, sheep, lamb, or any other animal which is commonly used as food for human consumption, except those usually classed as game; unless the same previous to sale, use, delivery or disposal in the City is examined and passed, and stamped, labelled or otherwise marked by an authorised official of the City Council as being sound, free from disease, wholesome and fit for food purposes.

(e) No person shall be in possession of or use or cause or suffer to be used any imitation, counterfeit or facsimile of the Council's Stamp or Brand, or fix or impress any such imitation, counterfeit or facsimile on any carcase of meat or any portion thereof intended for sale for food purposes so as to make it appear that such flesh has been examined, passed and stamped by an authorised official of the Council as being sound, free from disease, wholesome and fit for food purposes.

(f) Any person found guilty of a contravention of the provisions of this Regulation shall be liable to a penalty not exceeding £20 sterling, provided that the regulation shall not apply to carcasses (or portions thereof) in transit or being dealt with for oversea export or for the supply of meat to the shipping.



## BAKEHOUSES.

The bakehouses in the City have been inspected regularly, 1,180 visits having been made at night. Nothing was noticed during these inspections to cause any comment.

## BUTCHERS' SHOPS.

The butchers' shops have been inspected regularly, and special attention has been given to all shops where perishable articles of food were exposed for sale; no less than 15,659 visits have been made during the year. The carts used for the conveyance of meat either in wholesale or retail quantities are required to be approved of by the department, whose requirements are that the meat should be protected from contamination, and the carts to be of such construction that they can be easily cleaned. During the year under review a new design for the wholesale butcher's cart has been adopted, with both the front and back closed.

## COW STABLES, MILK SHOPS AND DAIRIES.

I have personally visited every cowkeeper's premises within the City, and the cowsheds and dairies have, in addition, been regularly visited by the Inspectors, and in 9 cases magisterial proceedings were instituted for contravening the regulations, details of which will be found on Page liii., "Cases before the Magistrate."

The following table shows the number of licences for Cowkeepers, Purveyors of Milk and Ice Cream Vendors applied for and issued:—

|  | Cowkeepers. | Purveyors of Milk. | Ice Cream Vendors. |
|--|-------------|--------------------|--------------------|
| Applications for licences .. ..                            | 245         | 291                | 324                |
| Licences issued .. ..                                      | 162         | 170                | 254                |
| Licences cancelled .. ..                                   | 22          | 68                 | 23                 |
| Licences refused .. ..                                     | 13          | 37                 | 45                 |
| Applications in abeyance .. ..                             | 44          | 16                 | 2                  |
| Applications for premises situate outside Capetown Area .. | 4           | —                  | —                  |

## DISTRIBUTION OF MILK.

The objectionable method of distributing milk in whisky and wine bottles is now discontinued, under the provisions of Act No. 11 of 1858, for Regulating Weights and Measures in the Colony of the Cape of Good Hope, for the regulation in regard to the sterilization of milk vessels, and is further dealt with in the draft amended regulations dealing with cowkeepers, dairymen and purveyors of milk and ice cream vendors, and all foodstuffs generally, referred to in my previous report as awaiting the sanction of the Provincial Council. These, at the time of writing, are in the hands of the Administrator and will be promulgated very shortly.

During the year there were 34 samples of milk taken for bacteriological examination, and the deposit of three of these samples were found to contain tubercle bacilli by the infection of guinea pigs into which they were injected.

As a result of this discovery the cows at the three farms from which the milk was taken, were injected with bovine tuberculin with the following results:—

*Farm 1.* A herd of 25 cows and one bull. Two cows clinically were infected with tuberculosis, and out of the whole number 17 cows and a bull re-acted to the test. Of these, five cows and the bull were slaughtered; the carcasses of two of them being clinically suspect were condemned in toto; the viscera only of the other four animals were condemned.

*Farm 2.* Sixty-eight cows were tested, with 19 re-actions, and only two of the cows showed any symptoms suspicious of tuberculosis.

*Farm 3.* Twenty-one cows were tested, two of which re-acted.

The reason these samples of milk were taken was because there had been cases of tuberculosis other than pulmonary amongst the persons supplied by these milk suppliers.

In the case of Farm 1, milk had been supplied to a case of tubercular meningitis, and another case with tubercular glands in the neck, and at Farm 2 there was a death from tubercular meningitis. Farm 3, a case of tubercular meningitis had probably been fed upon milk therefrom.



In the latter part of the year there was some opportunity of making bacterioscopic examination of milk, as to the presence of dirt and bacteria therein.

Sixteen samples were examined and they were mostly found to contain large numbers of microscopic organisms, and in one, blood corpuscles were found and on examining the cows in the shed from which this sample was derived, one cow was found to be suffering from garget. As a result the cowkeeper was fined for non-notification of same to the Health Department.

#### COWSTABLES OUTSIDE THE AREA OF THE CITY OF CAPE TOWN.

Dr. A. W. Reid, Assistant Medical Officer of Health, visited and reported on 108 dairy premises situated outside the Municipality, supplying milk in Cape-town, as follows:—

"I herewith attach reports on 108 Dairy Farms outside the Municipal area, visited and inspected by me during the past month in connection with the Cape-town Milk Supply. There are, I believe, about six other farms which I did not visit.

"Details of the conditions on the farms visited, under which milk is produced, are given in the report on each. In my opinion the large majority are satisfactory, and many are as good as any met with in other countries. As you are aware, defects, when met with, are the subject of communications addressed to the owners in writing. They are chiefly in connection with instituting better facilities for producing boiling water for sterilizing and cleansing milk utensils, etc., which I have discussed with them.

"I have nothing much to add, from a general point of view, to my remarks on previous inspections. I have met with a considerable number of improvements on many farms. In fact, I must say that the farmer owner is most desirous of avoiding any influence likely to contaminate his milk. Besides, he is quite aware that cleanliness is necessary for the keeping properties of his milk in transit. It is a side issue with many as regards their farming activities, and I hope they will continue it. It will be a great misfortune if the best should give it up as they are inclined to do. My inspections were at a time when the fruit harvest was in full swing, but I invariably found the cow-stable clean, the milk room clean and the milk utensils beyond reproach, scrubbed and cleaned ready to receive the next consignment of milk. It will be to the interests of the City to leave the bulk of the milk supply in the hands of such, and not disgust them with insinuations that the result of their work spells dirt. I should like to repeat that careful discrimination is necessary, and not the use of catch phrases applied to milk suppliers as a whole. Farmers are, to say the least, quite as capable of conscientious work as other men. Recalcitrants crop up and are being dealt with in measures applicable to their sins, but their influence is immeasurably less than the calamity threatened to the health of the City if the better men are nauseated.

"It is a rule that milk cows are only stabled in the country for milking and feeding purposes. This occurs only for short intervals. I find a steady expansion in the laying on of water to stables as well as milk rooms. Open fronts is the favourite form of construction in regard to new stables and frequently two facing each other with an interval over an impervious passage between them. A knowledge of the means for destroying flies with the Arsenite of Soda solution is practically universal and is freely used.

"Recognised water coolers are used for cooling the milk as soon as it is produced: Milkers wash their hands before milking, and overalls, smocks or aprons are supplied for use while milking. The work is usually under the care of some responsible person experienced in its control.

"I did not come across any case where I could suspect that an unhealthy cow was milked. I saw a few sick animals, but they were isolated away from the herd and mostly dry.

"My chief attention was given to the extent of cleanliness present and applied in handling and dealing with the milk. Frequently the outside of iron structures was found to be in need of a coat of paint, but usually the inside had a recent coat of limewash."

#### LAUNDRIES, MATTRESS MAKERS AND UPHOLSTERERS.

Applications were received and licences issued in connection with the above as follows:—

*Laundries.*—Applications received 22, licences recommended 22.

*Mattress Makers and Upholsterers.*—Applications received 15, licences recommended 15.



REGULATIONS *RE* MATTRESS MAKERS.

During the year under review new regulations *re* Mattress Makers and Upholsterers were adopted by the Council and were promulgated after the close of the year on the 28th July, 1922, of which the following is the text:—

Office of the Administrator,  
Cape Town, 27th July, 1922.

It is hereby notified for general information that the Administrator, with the advice of the Executive Committee, has been pleased to approve of the sub-joined additional regulations related to mattress makers and upholsterers framed by the Cape Town Municipality under the provisions of the Cape Municipal Ordinance 1912.

A. WEISBECKER,  
for Provincial Secretary.

## CAPE TOWN MUNICIPALITY.

REGULATIONS *RE* MATTRESS-MAKERS AND UPHOLSTERERS.

*(Promulgated under Government Notice No. 226 of 1922, on the  
28th July, 1922.)*

*(Framed under Ordinance No. 10 of 1912.)*

1452. For the purpose of these regulations the following words shall have the following meanings attached to them respectively:—

“City” means the City of Cape Town.

“Medical Officer of Health” means the officer for the time being holding office under the Council of the City of Cape Town as Medical Officer of Health.

A “Mattress-maker” means a person who makes or repairs mattresses.

An “Upholsterer” means a person who makes or repairs covers and cushions for chairs, sofas and the like.

1453. (a) No person shall carry on the trade or business of a mattress-maker, or upholsterer, within the area of the City, unless registered by the Corporation as a mattress-maker or upholsterer, and in possession of a certificate to that effect in force and current at the time being.

(b) Every person desiring to be registered as engaged in the business or trade of a mattress-maker or upholsterer within the area of the City shall submit a written application for registration at the office of the Medical Officer of Health fourteen days before the date upon which the applicant desires to enter upon such trade or business.

(c) Such registration shall be free of charge, and a certificate of registration shall be issued by the Medical Officer of Health free of charge to each person so registered. The Medical Officer of Health may not refuse to issue such certificate on application, and such certificate shall be in force from the date of registration up to and including the 31st day of December, next ensuing. Should a renewal thereof be desired, written application therefor must be made at the office of the Medical Officer of Health at least fourteen days before the date of expiry of the current certificate.

1454. It shall not be lawful for any person to use for the purpose of making any mattress, upholstery, cushions or bedding, any horsehair, coir, flock, or other material used for the like purpose which has been previously used for the same purpose, unless the horsehair, coir, flock or other like material has been washed and dried effectually which latter process shall be effected at a temperature not less than that of boiling water (212 deg. F.).

1455. It shall not be lawful for any person to use any feathers for the purpose of making any pillow, bed, mattress, upholstery, cushions, unless the same shall have been sterilised previously by being raised to a temperature of boiling water (212 deg. F.) for half an hour.

1456. Any person or firm engaged in the manufacture of mattresses, pillows, cushions or down quilts, shall have upon each such mattress, pillow, cushion or down quilt, conspicuously and securely affixed, a label consisting of muslin,



calico or linen, and legibly printed thereon, the name and address of the manufacturer and the kind of material used in the manufacture of each such mattress, pillow, cushion or down quilt.

1457. Any person convicted of a contravention of any of the foregoing regulations shall be liable to a penalty not exceeding twenty pounds (£20).

#### PLACES OF AMUSEMENT.

During the year 39 places of amusement were inspected and registered.

#### NIGHT SOIL, SLOP WATER AND REFUSE REMOVALS.

In the Wards known as Capetown proper, provision has been made for the disposal of all sewerage on the water carriage system by means of well-constructed sewers with an outfall into the sea at Green Point. A few houses in isolated positions are not connected with sewerage sewers. The sewerage of the Green Point and Sea Point areas is disposed of in a similar manner with an outfall at Sea Point, and that of Kalk Bay-Muizenberg on the same lines with the outfall on to the sand dunes on the border of False Bay. The other areas known as Maitland, Woodstock, Mowbray, Rondebosch and Claremont are dealt with on the pail system, the sterco being removed by waggon once a week and taken to various sites, one being beyond Kensington for Woodstock and Maitland, and Vijge Kraal Farm for Mowbray and Rondebosch, and one at a Municipal Farm in Claremont for Claremont. In other portions it is removed weekly, and is taken to tips adjacent to the locality.

A comprehensive scheme is, however, now being carried out for the sanitary improvement of these wards, the ratepayers having authorised the loan for same, and the work is being carried out as expeditiously as possible. A large proportion of the scheme is now completed, and house connections numbering over 600 have been made.

#### CATCHPITS AND PREVENTION OF MOSQUITOES.

As stated in my previous report the prevention of mosquitoes is receiving the continual attention of the Inspectors of the Department, and the catchpits are continually being disinfected.

#### EXTERMINATION OF RATS.

Two men and a boy, and for part of the year a third man, have been employed in catching rats on premises from which complaints have been received that they are infested, or any other place known to the officials to be breeding grounds.

The ratcatchers are instructed to advise householders as to the best means of getting rid of the rodents, and it should be remembered that the public are expected to assist. The number of rats that were known to be caught by the ratcatchers was 7,880, but they do not get credit for the whole number that they are responsible for.

#### GENERAL DEALERS AND OTHER LICENCES.

In my last report I referred to the Licences (Consolidation) Ordinance 1916 (No. 14 of 1916). This has now been replaced by an Ordinance to Amend the Law Relating to the Licensing of Trades, Businesses, Occupations or Callings (Ordinance No 16, 1920) which came into force on the 1st January, 1921. Section 6 of this Ordinance reads as follows:—

*"Circumstances under which Certificate may be granted or refused."*

"6. (1) Where application for a certificate as aforesaid for a general dealer's licence is made to any Municipal Council or Village Management Board, by or on behalf of any person whose name does not appear upon the list framed for the area of such Council or Board under the provisions of Ordinance No. 19 of 1914, and maintained under the provisions of Section Eight hereof, no such application will be considered unless,

- (a) The Health Officer for the area or other Medical Practitioner, approved by the Council or Board, shall have reported that the premises are fit and suitable for the business proposed to be carried on thereat, and that he knows of no reason why the said certificate should be refused on the ground of public health, and
- (b) the Council or Board shall have inquired from the senior officer of police for the area, if anything is known against the applicant that should be brought to the notice of the said Council or Board."



This section of the Ordinance also applies *mutatis mutandis* to every baker, butcher, and dealer, but does not apply to hawkers, who are dealt with by Municipal Regulations promulgated in 1914 and amended in 1919. The whole of these regulations were re-drafted and submitted to the Council on the 27th April, 1922, and promulgated in July, 1922, a copy of which I attach hereto.

[221.]

[1922.]

Office of the Administrator,  
Cape Town, 27th July, 1922.

It is hereby notified for general information that the Administrator, with the advice of the Executive Committee, has been pleased to approve of the subjoined amended regulations relating to vendors of fruit, vegetables, etc., framed by the Cape Town Municipality under the provisions of the Cape Municipal Ordinance, 1912.

A. WEISBECKER.

for Provincial Secretary.

### CAPE TOWN MUNICIPALITY.

#### AMENDED REGULATIONS RELATING TO VENDORS OF FRUIT, VEGETABLES, ETC.

(Framed under Ordinance No. 10 of 1912.)

Regulations Nos. 177 to 186 inclusive promulgated under Provincial Administration Notices No. 131 of 27th April, 1914, and No. 150 of 20th May, 1919, are hereby amended to read as follows:—

In these regulations " Council " shall mean the Council of the City of Capetown.

(177) No person shall carry on or assist in carrying on within the limits of the City the trade, business or occupation of an itinerant vendor, pedlar or hawker of fruit, vegetables, flowers, plants, firewood, fish, foodstuffs, poultry or other products, whether the product of his own industry or otherwise, unless he shall have been registered in the manner hereinafter prescribed, and have procured the badge to be worn as required by these regulations.

(178) Every person applying for such registration shall do so upon the form to be provided by the Council, giving his full name, age and address, birthplace, nationality, and the address of a person (if any) by whom he is employed, and shall further state the class of articles he purposes to sell and whether the same are the product of his own industry. He shall also pay at the time of application the sum of 2/6 to cover registration fee and cost of badge to be worn as hereinafter provided.

(179) Every Certificate of registration shall expire on the 31st December, in each and every year. Every person desiring to renew his registration shall on or before the 31st day of January in each and every year make application at the office prescribed by public notice, and shall deliver up his badge and certificate of registration and pay the sum of 2/6 when a new Certificate and a fresh badge will be issued for the current year. Every registered person shall give immediate notice to the Town Clerk of any change of his residence during the currency of his certificate, and shall be required to have such officially endorsed thereon.

(180) Every itinerant vendor registered under these regulations shall, when plying his calling, wear in a conspicuous position on his left breast a badge to be furnished by the Council; such badge shall bear the inscription " Registered Vendor " and also a number corresponding with the number of certificate of registration. Such certificate shall be produced by the holder when called upon by any member of the police force, or any householder and shall bear the registered vendor's photograph or signature.

(181) Every application for registration shall be accompanied by a certificate signed by the Chief Officer of the Police District within which the applicant resides, and such registration shall not be made except upon the production of a certificate to the effect that the applicant is a fit and proper person to be registered as an itinerant vendor.



(182) Every registered person who loses his badge or certificate shall give notice thereof forthwith to the Council, and shall obtain a new badge or certificate on payment of the fee of 2/6, and the former badge or certificate shall thereupon be cancelled and upon such cancellation shall be deemed not to have been issued, and any person found thereafter in possession of and using such badge or certificate shall be liable to prosecution for a breach of these regulations. No registered person shall transfer, lend, or hire his badge or certificate, and registration certificate, to any person unless with the approval of the Police.

(183) No itinerant vendor shall use or employ for the purpose of plying his profession or calling any waggon, cart, hand-cart, barrow, or other conveyance for the carrying of the goods, wares or merchandise of such itinerant vendor unless the name, address and registered number of such itinerant vendor shall have been painted on both sides thereof in some conspicuous place in legible characters not less than one inch in length and of proportionate breadth and of a colour clearly distinguishable from the ground whereon the same are painted. No one except a registered vendor or his registered assistant shall be allowed to accompany him when carrying on his trade.

(184) The Council may, for reasonable cause, decline to renew or may at any time withdraw any registration granted in terms of these regulations. Upon such withdrawal the vendor shall forthwith hand in his badge and certificate to the Town Clerk, and the badge shall thereupon be deemed not to have been issued.

(185) Any person desiring to vend foodstuffs whether the product of his own industry or otherwise shall not store such foodstuffs in premises which have not been approved of by the Medical Officer of Health of the City.

(186) Every person found guilty of contravention of any of the foregoing regulations shall be liable to a penalty not exceeding twenty pounds sterling (£20).

This entails a large amount of work as will be seen from the figures classifying the number of premises inspected and reported upon before the granting of the desired licences could either be recommended or refused. In many instances the Sanitary Inspector had to visit the premises on two, three or four occasions. The number of inspections will be found in the part of the report dealing with the work done by the Sanitary Inspectors.

#### INSANITARY PROPERTY.

A large amount of work has been done in repairing and improving insanitary property, but owing to the scarcity of houses the Council have been holding their hands with regard to the closing of houses.

#### BARBERS' AND HAIRDRESSERS' SHOPS.

These premises have been visited regularly to see if the regulations have been observed. The regulations have had a salutary effect on the condition of these shops.

The Sanitary Inspectors have made 1,572 visits to these premises.

#### CAMPING AT CLIFTON-ON-SEA, BAKOVEN AND MUIZENBERG.

For many years past a piece of municipal land, adjoining the beach at Clifton-on-Sea, has been used as a camping site on which bungalows have been erected by private persons who rent plots of land from the Council.

Tents are also allowed to be placed on vacant lots. A caretaker has been appointed to see that the camp is maintained in a satisfactory condition, and to attend to the pail closets which have been erected in suitable situations. This man and his assistant now work under the control of the Housing and Estates Committee.

The Sanitary Inspector at Camps Bay pays frequent visits to the Camp and reports to me with regard to the sanitation thereof.

Municipal land at Bakoven Bay has been dealt with in a similar manner to that at Clifton-on-Sea.

There is also a camping site at Muizenberg.



## METEOROLOGY.

The collection of certain meteorological data is undertaken by the Department. The Stevenson Screen, with dry and wet bulbs and Maximum and Minimum Thermometers, Sunshine Recorder and Barometer, were removed from the Burg Street (Central) Fire Station to the grounds of the City Hospital on July 6th, 1905. The Earth Thermometers (4 feet, 2 feet and 1 foot) were removed from the Municipal Gardens on September 1st, 1905, to the grounds of the City Hospital.

The results of the observations are given in Tables E, F, G, H and I, in the Appendix.

The means of the barometrical readings for the present year taken at the City Hospital were above those for the previous fifteen years (1st July, 1906, to 30th June, 1921), in July, August, September, October, November, February, March, April and May, and below in December, January and June.

(See Table E in the Appendix.)

The temperature at 8 a.m. was above the monthly averages for the previous fifteen years in November, February, March and May, and below in July, August, September, October, December, January, April and June. The yearly mean was 58.05°F as compared with 58.735°F which was the average temperature for the previous fifteen years. The highest temperature in the shade was 99.3°F on the 4th April, 1922, and the lowest was on the 28th June, 1922, when it was 37.7°F.

(See Table F in the Appendix.)

The rainfall was 24.15 inches, being 1.96 in excess of the average for the previous fifteen years when it was 22.19. The number of rainy days were 115 as compared with the average of 108.3 for the previous fifteen years. The rainfall was greater than the monthly average in the previous fifteen years for the months of July, August, September, October, December, January, March and June, and less for the months of November, February, April and May.

(See Table G in the Appendix.)

Bright sunshine was in excess of the monthly averages for the previous fifteen years in the months of October and May, and below in July, August, September, November, December, January, February, March, April and June. The most sunshine in one day was on the 12th November, 1921, when it was 11 hours and fifteen minutes, as compared with 13 hours and 45 minutes on the 5th December, 1915, which is the greatest on record since 1st July, 1906.

(See Table I in the Appendix.)

## TABLE XXIX.

WORK OF THE SANITARY DEPARTMENT FOR THE PERIOD OF TWELVE  
MONTHS ENDING 30TH JUNE, 1922.

*Inspections of —*

|   |        |
|---|--------|
| Bakehouses .. .. .  | 1,180  |
| Meat Shops, Restaurants, Fruit and Fish Shops .. .. .     | 15,659 |
| Cowsheds, Stables and Mews .. .. .                        | 11,715 |
| Courts, Lanes and Alleys .. .. .                          | 10,333 |
| Common Lodging Houses .. .. .                             | 141    |
| Hairdressers' Premises .. .. .                            | 1,572  |
| Houses and other Premises .. .. .                         | 55,927 |
| Milk and Meat Carts .. .. .                               | 268    |
| Special Visits made <i>re</i> Infectious Diseases .. .. . | 4,389  |
| Notices served dealing with Nuisances .. .. .             | 4,041  |
| Final Notices served .. .. .                              | 663    |
| Vaccination Notices served .. .. .                        | 72     |
| Drains tested .. .. .                                     | 599    |



*Inspections in re*

*Application for Licences as under—*

|  |       |
|--|-------|
| Hawkers' .. .. .                                     | 545   |
| General Dealers' .. .. .                             | 1,334 |
| Bakers' .. .. .                                      | 26    |
| Butchers' .. .. .                                    | 125   |
| Cowkeepers' and Purveyors of Milk (Combined) .. .. . | 693   |
| Purveyors of Milk only .. .. .                       | 511   |

*Nuisance abated—*

|  |       |
|--|-------|
| Obstructions removed from drains, and defective drains repaired              | 3,829 |
| Drain ventilating pipes, repaired or new ones fixed .. .. .                  | 194   |
| Defective traps removed and glazed earthenware substituted .. .. .           | 98    |
| Water closets repaired and new pans fixed.. .. .                             | 254   |
| Pail closets repaired .. .. .  | 693   |
| Water restored to water closets, and Flushing cisterns repaired .. .. .      | 845   |
| Water closets and urinal accommodation provided .. .. .                      | 266   |
| Defects in Yard Paving remedied .. .. .                                      | 1,249 |
| Defects in gutters remedied .. .. .  | 755   |
| Offensive Matter removed .. .. .   | 3,111 |
| Private gutters and lanes cleansed .. .. .                                   | 1,686 |
| Houses or parts of houses, cleansed and whitewashed .. .. .                  | 2,034 |
| Stable floors repaired .. .. .   | 615   |
| Receptacles for Manure provided .. .. .                                      | 143   |
| Horses and other animals destroyed and buried .. .. .                        | 51    |
| Animals and poultry kept in a dirty state .. .. .                            | 924   |
| Defective roofs and general dilapidations .. .. .                            | 1,452 |
| Defective gutterings repaired .. .. .  | 716   |
| Prescribed receptacles for storing house refuse provided .. .. .             | 314   |
| Premises disinfected .. .. .   | 315   |
| after cases of infectious disease { Tuberculosis .. .. .                     | 954   |
| Other Diseases .. .. .   | 590   |
| Articles disinfected { Tuberculosis .. .. .                                  | 2,291 |
| Other Diseases .. .. .   | 200   |
| Overcrowding abated .. .. .  | 60    |
| Premises reported unfit for human habitation .. .. .                         | 4,847 |
| Complaints made of nuisances discovered by Inspectors and dealt with .. .. . | 1,226 |
| Structural defects reported to City Engineer .. .. .                         |       |

*Complaints and Reports—*

*Complaints made at this office and dealt with—*

|   |       |
|---|-------|
| Respecting non-removal of house refuse .. .. .                  | 8     |
| Respecting non-supply of water .. .. .                          | 34    |
| Defective catchpits reported to the City Engineer .. .. .       | 31    |
| Defective roadways reported to the City Engineer .. .. .        | 16    |
| Defective footpaths reported to the City Engineer .. .. .       | 36    |
| Defective water fittings reported to the Water Engineer .. .. . | 335   |
| Scarcity of water reported to the Water Engineer .. .. .        | 8     |
| Number of rats caught and destroyed .. .. .                     | 7,880 |
| Complaints made re rats on premises .. .. .                     | 514   |
| Applications for Ice Cream Licences .. .. .                     | 152   |
| Applications for tent permits .. .. .                           | 91    |
| Applications for bioscope entertainments .. .. .                | 34    |
| Applications for Laundry Licences .. .. .                       | 22    |
| Applications for mattress makers .. .. .                        | 5     |
| Applications for hairdresser's Licences .. .. .                 | 17    |
| Applications for dealer's Licences .. .. .                      | 282   |
| Licences issued to cow-keepers .. .. .                          | 162   |



TABLE XXX.  
CASES BEFORE THE MAGISTRATE.

Legal proceedings Year ended 30th June, 1922.

| No. of summonses issued. | Nature of Offence.   | Penalty.<br>(Total Fines).                              |
|--------------------------|--|---|
| 1                        | Carrying on business as cow-keeper, dairyman and purveyor of milk without being licenced ..  | £2.   |
| 7                        | Failing to take proper precautions in connection with the storage and distribution of milk ..  | £105 10s.   |
| 1                        | Slaughtering a calf contrary to Municipal Regulations. .. .. .   | Reprimanded.  |
| 1                        | Failing to notify that a cow was suffering from a discharge from the udder .. .. .   | £2.   |
| 2                        | For using waggons in a filthy condition for the transport of meat intended to be exposed for sale .. .. .                            | £40.  |
| 1                        | Allowing a cat to be kept in a butcher's shop ..   | No penalty imposed.                                     |
| 1                        | Failing to provide suitable receptacle for collection of dung and other offensive matter and have defective drains repaired. .. .. . | £6.   |
| 2                        | Keeping residential premises in an unclean and offensive condition. .. .. .  | £4.   |
| 1                        | Keeping an accumulation of rubbish on premises   | £1.   |
| 3                        | Keeping business premises in an insanitary condition .. .. .   | £30.  |
| 3                        | Failing to keep stable in a clean state .. ..  | £5.   |
| 1                        | Keeping a goat on premises so as to be a nuisance  | 10s.  |
| 1                        | Failing to cause every vessel in a general dealer's shop to be kept in a clean condition .. ..                                       | Discharged.   |
| 1                        | Exposing unsound food for sale .. .. .   | £15.  |
| 1                        | Causing portion of dwelling to be occupied so as to cause overcrowding.  | Sentence suspended and defendant subsequently fined £1. |
| 1                        | By obstructing a Sanitary Inspector in the execution of his duty .. .. .   | £2.   |
| 1                        | Attempting to bribe a Sanitary Inspector ..  | £10.  |
| 1                        | Allowing water supplied by Corporation for domestic purposes to run to waste .. ..   | £1.   |
|                          | Total amount of fines ..   | £225  |

#### STAFF.

The Staff at present consists of:—

An Assistant Medical Officer of Health (Dr. A. W. Reid, D.P.H.)

Assistant to the Medical Officer of Health (Dr. W. P. Cooney, M.O. i/c V.D. Clinic.)

Assistant to the Medical Officer of Health (Dr. Mary Van Ingen, D.P.H.)

Chief Clerk (Mr. F. C. Tucker.)

Chief Sanitary Inspector (Mr. G. S. Chedburn, Assoc.: R.S.I.)

Chief Sanitary Inspectress (Mrs. B. C. H. Martin, Assoc.: R.S.I.)

1 Inspector for the removal of patients suffering from Infectious Disease.

17 Certificated Sanitary Inspectors.

5 Uncertificated Sanitary Inspectors.

1 Assistant Sanitary Inspector.



10 Sanitary Inspectresses. One with General Training and Certificate of the Royal Sanitary Institute for Sanitary Inspectors. One with General and Fever Training and Certificate of the Royal Sanitary Institute for Sanitary Inspectors. One with General Training and Certificate of the Royal Sanitary Institute for Health Visitors. Two with Midwifery and Certificate of the Royal Sanitary Institute for Sanitary Inspectors, and five with Midwifery only.

1 Apprentice Sanitary Inspector.

5 Permanent Clerks.

7 Temporary Clerks.

2 Junior Clerks.

#### CITY HOSPITAL.

Matron.

1 Assistant Matron.

4 Trained Nurses and 9 Junior Nurses and Temporary Nurses as required. and the requisite domestic servants and porters.

#### SMALL POX HOSPITAL.

Superintendent.

Yours faithfully,

A. JASPER ANDERSON,

(M.A., M.B., Oxon., M.R.C.S.E., D.P.H., Cantab.),

Medical Officer of Health.



**Table A.**

**DEATHS which occurred during the Year ended June 30th, 1922, arranged as to Causes, Race, Age-periods and Wards of the City to which they belong.**

**SUMMARY.****AGE PERIODS.**

| CAUSES OF DEATH.   | Race.    | 0 to 1.    |           | 1 to 5.   |           | Total under 5 years. |            | 5 to 15.  |          | 15 to 25. |          | 25 to 35. |           | 35 to 45.  |          | 45 to 55.  |          | 55 to 65.  |          | 65 to 75. |          | 75 and over. |          | TOTAL.                   |
|--|----------|------------|-----------|-----------|-----------|----------------------|------------|-----------|----------|-----------|----------|-----------|-----------|------------|----------|------------|----------|------------|----------|-----------|----------|--------------|----------|--------------------------|
|  |          | M F        |           | M F       |           | M F                  |            | M F       |          | M F       |          | M F       |           | M F        |          | M F        |          | M F        |          | M F       |          |              |          |                          |
|  |          | A & B.     |           | A & B.    |           | A & B.               |            | A & B.    |          | A & B.    |          | A & B.    |           | A & B.     |          | A & B.     |          | A & B.     |          | A & B.    |          | A & B.       |          |                          |
| Race and Sex Summary ...                                 | { E<br>O | 93<br>425  | 80<br>327 | 44<br>163 | 36<br>158 | 137<br>588           | 116<br>485 | 24<br>52  | 22<br>63 | 25<br>89  | 33<br>92 | 41<br>94  | 32<br>104 | 73<br>99   | 52<br>84 | 105<br>97  | 56<br>70 | 123<br>84  | 71<br>77 | 84<br>47  | 80<br>45 | 60<br>46     | 96<br>50 | A & B.<br>672<br>2 1070  |
| I. Specific Febrile, or Zymotic Diseases ...             | { E<br>O | 9<br>108   | ...       | 11<br>63  | ...       | 20<br>171            | ...        | 19<br>34  | ...      | 27<br>101 | ...      | 24<br>90  | ...       | 32<br>53   | ...      | 24<br>39   | ...      | 15<br>15   | ...      | 5<br>4    | ...      | 6<br>3       | ...      | 172<br>510               |
| II. Parasitic Diseases ...                               | { E<br>O | ...        | ...       | ...       | ...       | ...                  | ...        | ...       | ...      | ...       | ...      | ...       | ...       | ...        | ...      | ...        | ...      | ...        | ...      | ...       | ...      | ...          | ...      | 2<br>2                   |
| III. Dietetic Diseases ...                               | { E<br>O | ...        | ...       | ...       | ...       | ...                  | ...        | ...       | ...      | ...       | ...      | ...       | ...       | ...        | ...      | ...        | ...      | ...        | ...      | ...       | ...      | ...          | ...      | 2<br>2                   |
| IV. Constitutional Diseases ...                          | { E<br>O | 1<br>3     | ...       | 1<br>1    | ...       | 2<br>4               | ...        | 3<br>3    | ...      | 2<br>4    | ...      | 3<br>8    | ...       | 11<br>11   | ...      | 18<br>18   | ...      | 43<br>17   | ...      | 32<br>3   | ...      | 17<br>8      | ...      | 131<br>76                |
| V. Developmental Diseases ...                            | { E<br>O | 45<br>113  | ...       | ...       | ...       | 45<br>113            | ...        | ...       | ...      | ...       | ...      | ...       | ...       | ...        | ...      | ...        | ...      | ...        | ...      | ...       | ...      | ...          | ...      | 86<br>154                |
| VI. Local Diseases ...                                   | { E<br>O | 103<br>453 | ...       | 63<br>238 | ...       | 166<br>691           | ...        | 18<br>67  | ...      | 23<br>70  | ...      | 37<br>86  | ...       | 70<br>112  | ...      | 103<br>101 | ...      | 125<br>120 | ...      | 113<br>75 | ...      | 27<br>57     | ...      | 752<br>1,379             |
| VII. Deaths from Violence ...                            | { E<br>O | 2<br>...   | ...       | 3<br>4    | ...       | 5<br>4               | ...        | 6<br>10   | ...      | 5<br>6    | ...      | 9<br>13   | ...       | 11<br>6    | ...      | 15<br>8    | ...      | 10<br>6    | ...      | 4<br>...  | ...      | 6<br>1       | ...      | 71<br>54                 |
| VIII. Accident to Child through Parturition ...          | { E<br>O | 1<br>10    | ...       | ...       | ...       | 1<br>10              | ...        | ...       | ...      | ...       | ...      | ...       | ...       | ...        | ...      | ...        | ...      | ...        | ...      | ...       | ...      | ...          | ...      | 1<br>10                  |
| IX. Deaths from ill-defined and not specified causes ... | { E<br>O | 12<br>65   | 2<br>...  | 2<br>12   | ...       | 14<br>77             | 2<br>...   | ...       | ...      | ...       | ...      | ...       | ...       | ...        | ...      | ...        | ...      | ...        | ...      | ...       | ...      | ...          | ...      | A & B.<br>15<br>79       |
| TOTALS ...   | { E<br>O | 173<br>752 | 2<br>...  | 80<br>321 | ...       | 253<br>1,073         | 2<br>...   | 46<br>115 | ...      | 58<br>181 | ...      | 73<br>198 | ...       | 125<br>183 | ...      | 161<br>167 | ...      | 194<br>161 | ...      | 164<br>92 | ...      | 156<br>96    | ...      | A & B.<br>1,200<br>2 266 |
| TOTALS ALL CLASSES                                       |          | 927        |           | 401       |           | 1,328                |            | 161       |          | 239       |          | 271       |           | 308        |          | 328        |          | 355        |          | 256       |          | 252          |          | 3,498                    |

A & B 2 Deaths of newly-born males whose bodies were discovered. Decomposition so far advanced that race could not be ascertained. Death classified as "IX—Deaths from ill-defined and not specified causes."



## DEATHS, ARRANGED AS TO CAUSES, RACE, AGE-PERIODS AND WARDS—continued.

## SUMMARY.

## WARDS.

| CAUSES OF DEATH.   | Race.    | Sea Point No. 1. |          | Harbour No. 2. |          | West Central No. 3. |         | Kloof No. 4. |          | Park No. 5. |          | East Central No. 6. |           | Castle No. 7. |           | Woodstock No. 8. |            | Salt River No. 9. |           | Mowbray No. 10. |           | Maitland No. 11. |           | Rondebosch No. 12. |           | Claremont No. 13. |          | Kalk Bay No. 14. |            | Deaths in City, not belonging thereto. |        | Deaths not allocated. |              | TOTAL. |
|--|----------|------------------|----------|----------------|----------|---------------------|---------|--------------|----------|-------------|----------|---------------------|-----------|---------------|-----------|------------------|------------|-------------------|-----------|-----------------|-----------|------------------|-----------|--------------------|-----------|-------------------|----------|------------------|------------|--|--------|-----------------------|--------------|--------|
|  |          | M                | F        | M              | F        | M                   | F       | M            | F        | M           | F        | M                   | F         | M             | F         | M                | F          | M                 | F         | M               | F         | M                | F         | M                  | F         | M                 | F        | M                | F          | M                                      | F      | A & B                 |              |        |
| Race and Sex Summary ...                                 | { E<br>O | 34<br>11         | 39<br>10 | 44<br>72       | 26<br>35 | 20<br>69            | 8<br>61 | 43<br>71     | 34<br>57 | 37<br>11    | 48<br>11 | 40<br>188           | 25<br>171 | 30<br>168     | 19<br>149 | 66<br>76         | 82<br>81   | 74<br>93          | 58<br>26  | 63<br>25        | 21<br>125 | 21<br>103        | 99<br>431 | 29<br>108          | 33<br>109 | 38<br>109         | 16<br>30 | 18<br>42         | 79<br>59   | 50<br>46                               | 1<br>1 | 672<br>1,196          | 558<br>2,107 |        |
| I. Specific Febrile, or Zymotic Diseases ...             | { E<br>O | 9<br>10          |          | 2<br>25        |          | 4<br>21             |         | 13<br>34     |          | 14<br>5     |          | 8<br>92             |           | 10<br>86      |           | 31<br>34         | 19<br>35   |                   | 15<br>8   |                 | 8<br>36   |                  | 8<br>40   |                    | 10<br>33  |                   | 4<br>22  |                  | 17<br>29   |  | ...    |                       | 172<br>510   |        |
| II. Parasitic Diseases...                                | { E<br>O | 1<br>...         |          | ...            |          | ...                 |         | ...          |          | ...         |          | ...                 |           | ...           |           | ...              | ...        | ...               | ...       | ...             | ...       | ...              | ...       | ...                | ...       | ...               | ...      | ...              | ...        | ...                                    | ...    | ...                   | 2<br>2       |        |
| III. Dietetic Diseases ...                               | { E<br>O | ...              |          | ...            |          | ...                 |         | ...          |          | ...         |          | ...                 |           | ...           |           | ...              | ...        | ...               | ...       | ...             | ...       | ...              | ...       | ...                | ...       | ...               | ...      | ...              | ...        | ...                                    | ...    | ...                   | 2            |        |
| IV. Constitutional Diseases ...                          | { E<br>O | 9<br>1           |          | 6<br>4         |          | 6<br>3              |         | 7<br>4       |          | 18<br>4     |          | 6<br>10             |           | 3<br>14       |           | 13<br>9          | 17<br>3    |                   | 8<br>2    |                 | 3<br>8    |                  | 1<br>6    |                    | 3<br>5    |                   | 3<br>2   |                  | 18<br>11   |  | ...    | ...                   | 131<br>76    |        |
| V. Developmental Diseases ...                            | { E<br>O | 3<br>2           |          | 12<br>19       |          | 1<br>4              |         | 2<br>8       |          | 6<br>2      |          | 7<br>26             |           | 4<br>25       |           | 9<br>9           | 11<br>8    |                   | 8<br>2    |                 | 2<br>14   |                  | 4<br>4    |                    | 6<br>3    |                   | 2<br>18  |                  | 6<br>7     |  | ...    | ...                   | 86<br>154    |        |
| VI. Local Diseases ...                                   | { E<br>O | 46<br>7          |          | 49<br>55       |          | 10<br>84            |         | 51<br>73     |          | 44<br>14    |          | 39<br>215           |           | 30<br>176     |           | 93<br>82         | 96<br>121  |                   | 78<br>34  |                 | 24<br>158 |                  | 46<br>136 |                    | 48<br>140 |                   | 24<br>35 |                  | 74<br>49   |  | ...    | ...                   | 752<br>1,379 |        |
| VII. Deaths from Violence, hence ...                     | { E<br>O | 3<br>1           |          | 1<br>4         |          | 6<br>2              |         | 3<br>5       |          | 2<br>...    |          | 4<br>5              |           | 1<br>7        |           | 9<br>...         | 11<br>3    |                   | 6<br>1    |                 | 1<br>8    |                  | 5<br>5    |                    | 3<br>2    |                   | 3<br>3   |                  | 12<br>7    |  | ...    | ...                   | 71<br>54     |        |
| VIII. Accident to Child through Parturition              | { E<br>O | ...              |          | ...            |          | ...                 |         | 1<br>...     |          | ...         |          | 1<br>1              |           | 1<br>A        |           | ...              | 4<br>...   |                   | 1<br>...  |                 | ...       |                  | ...       |                    | 2<br>...  |                   | ...      |                  | ...        | ...                                    | ...    | ...                   | 1<br>A & B   |        |
| IX. Deaths from ill-defined and not specified causes ... | { E<br>O | 2<br>...         |          | ...            |          | 1<br>6              |         | 1<br>3       |          | ...         |          | 1<br>10             |           | 1<br>8        |           | 3<br>2           | 2<br>...   |                   | ...       |                 | ...       |                  | 1<br>15   |                    | 1<br>17   |                   | ...      |                  | 1<br>2     |  | ...    | ...                   | 15<br>79     |        |
| TOTALS ...   | { E<br>O | 73<br>21         |          | 70<br>107      |          | 28<br>120           |         | 77<br>128    |          | 85<br>22    |          | 65<br>359           |           | 49<br>317     |           | 157<br>136       | 156<br>174 |                   | 121<br>51 |                 | 42<br>228 |                  | 72<br>207 |                    | 71<br>218 |                   | 34<br>72 |                  | 129<br>105 |  | 1<br>1 | 1,230<br>2,266        | 2<br>2       |        |
| TOTALS ALL CLASSES...                                    |          | 94               |          | 177            |          | 148                 |         | 205          |          | 107         |          | 424                 |           | 367           |           | 293              | 330        |                   | 172       |                 | 270       |                  | 280       |                    | 289       |                   | 106      |                  | 234        |  | 2      | 3,498                 |              |        |

A Death of a newly-born male of race unknown, allocated to Ward 7 which contains the site of discovery.

B Death of a newly-born male of race unknown, allocated to Ward 12 which contains the site of discovery.

C 2 Deaths which could not be allocated to a Ward of the City; one an unknown European male who was found drowned, and the other, an unknown non-European male who was knocked down and killed by a motor car.



[illegible]



## DEATHS, ARRANGED IN CAUSES, AGES AND WARDS—continued.

## WARDS.

## AGE PERIODS.

| CAUSES OF DEATH.                              | Race.      | 0 to 1.  |     | 1 to 5. |     | Total under 5 years. | AGE PERIODS. |           |           |           |           |           |           |              |     |     | TOTAL. | Deaths in City not belonging thereto | TOTAL. |
|---|------------|----------|-----|---------|-----|----------------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|-----|-----|--------|--------------------------------------|--------|
|   |            | 5 to 75. |     |         |     |                      |              |           |           |           |           |           |           |              |     |     |        |                                      |        |
|   |            |          |     |         |     |                      | 5 to 15.     | 15 to 25. | 25 to 35. | 35 to 45. | 45 to 55. | 55 to 65. | 65 to 75. | 75 and over. |     |     |        |                                      |        |
| 8. Enteric or Typhoid Fever ...               | (E)<br>(O) | ...      | 4   | ...     | ... | ...                  | 5            | 11        | 5         | 5         | 1         | 1         | ...       | ...          | 27  | 6   | 27     |                                      |        |
| 9. Tabes Mesenterica ...                      | (E)<br>(O) | ...      | 1   | 1       | ... | ...                  | 1            | ...       | ...       | ...       | ...       | ...       | ...       | ...          | 1   | ... | 1      |                                      |        |
| 10. Tubercular Meningitis, Hydrocephalus ...  | (E)<br>(O) | ...      | 3   | 4       | 2   | 3                    | 2            | 3         | 1         | ...       | ...       | ...       | ...       | ...          | 9   | 1   | 9      |                                      |        |
| 11. Phthisis ...                              | (E)<br>(O) | 2        | 13  | 4       | 2   | 8                    | 12           | 72        | 17        | 24        | 20        | 14        | 3         | 2            | 14  | 2   | 14     |                                      |        |
| 12. Other Forms of Tuberculosis, Scrofula ... | (E)<br>(O) | ...      | 10  | ...     | 3   | 1                    | 3            | 1         | 9         | 4         | 2         | ...       | 1         | 2            | 92  | 5   | 92     |                                      |        |
| 13. Other Miasmatic Diseases ...              | (E)<br>(O) | ...      | ... | ...     | ... | ...                  | ...          | ...       | ...       | ...       | ...       | ...       | ...       | ...          | 252 | 15  | 252    |                                      |        |
| 14. Influenza ...                             | (E)<br>(O) | ...      | ... | ...     | ... | ...                  | ...          | ...       | ...       | ...       | ...       | ...       | ...       | ...          | 6   | 1   | 6      |                                      |        |
| 15. Plague ...                                | (E)<br>(O) | ...      | ... | ...     | 1   | 1                    | 1            | 1         | 1         | 3         | ...       | 3         | ...       | 3            | 11  | 1   | 11     |                                      |        |
| 16. Beri-Beri ...                             | (E)<br>(O) | ...      | ... | ...     | ... | ...                  | ...          | ...       | ...       | ...       | ...       | ...       | ...       | ...          | ... | ... | ...    |                                      |        |

C. See footnote to Summary.



[illegible]



## DEATHS, ARRANGED IN CAUSES, AGES AND WARDS—continued.

| CAUSES OF DEATH.                         | Race.          | AGE PERIODS. |         |                      |          |           |           |           |           |           |           | WARDS.       |        |                  |                |                     |              |             |                     |               |                  |                   |                 |                  |                    | Deaths in City not belonging thereto. | TOTAL. |                   |                  |     |
|--|----------------|--------------|---------|----------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|--------|------------------|----------------|---------------------|--------------|-------------|---------------------|---------------|------------------|-------------------|-----------------|------------------|--------------------|---------------------------------------|--------|-------------------|------------------|-----|
|  |                | 0 to 1.      | 1 to 5. | Total under 5 years. | 5 to 15. | 15 to 25. | 25 to 35. | 35 to 45. | 45 to 55. | 55 to 65. | 65 to 75. | 75 and over. | TOTAL. | Sea Point No. 1. | Harbour No. 2. | West Central No. 3. | Kloof No. 4. | Park No. 5. | East Central No. 6. | Castle No. 7. | Woodstock No. 8. | Salt River No. 9. | Mowbray No. 10. | Maitland No. 11. | Rondebosch No. 12. |                                       |        | Claremont No. 13. | Kalk Bay No. 14. |     |
| D.—ZOOGENOUS DISEASES.                   |                |              |         |                      |          |           |           |           |           |           |           |              |        |                  |                |                     |              |             |                     |               |                  |                   |                 |                  |                    |                                       |        |                   |                  |     |
| 1. Cow-pox, and effects of Vaccination   | { E }<br>{ O } | ...          | ...     | ...                  | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...          | ...    | ...              | ...            | ...                 | ...          | ...         | ...                 | ...           | ...              | ...               | ...             | ...              | ...                | ...                                   | ...    | ...               | ...              | ... |
| 2. Other Diseases, Hydrophobia, Glanders | { E }<br>{ O } | ...          | ...     | ...                  | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...          | ...    | ...              | ...            | ...                 | ...          | ...         | ...                 | ...           | ...              | ...               | ...             | ...              | ...                | ...                                   | ...    | ...               | ...              | ... |
| 3. Splenic Fever ... ..                  | { E }<br>{ O } | ...          | ...     | ...                  | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...          | ...    | ...              | ...            | ...                 | ...          | ...         | ...                 | ...           | ...              | ...               | ...             | ...              | ...                | ...                                   | ...    | ...               | ...              | ... |
| E.—VENEREAL DISEASES.                    |                |              |         |                      |          |           |           |           |           |           |           |              |        |                  |                |                     |              |             |                     |               |                  |                   |                 |                  |                    |                                       |        |                   |                  |     |
| 1. Syphilis ... ..                       | { E }<br>{ O } | 4            | 1       | 5                    | 1        | ...       | ...       | 1         | 1         | 1         | ...       | ...          | 8      | 1                | 1              | 3                   | 2            | 1           | 1                   | 8             | 1                | 3                 | 2               | 2                | 2                  | 6                                     | 5      | 2                 | 1                | 8   |
| 2. Gonorrhoea, Stricture of Urethra      | { E }<br>{ O } | ...          | ...     | ...                  | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...          | 47     | ...              | ...            | ...                 | ...          | ...         | ...                 | ...           | ...              | ...               | ...             | ...              | ...                | ...                                   | ...    | ...               | ...              | ... |
| F.—SEPTIC DISEASES.                      |                |              |         |                      |          |           |           |           |           |           |           |              |        |                  |                |                     |              |             |                     |               |                  |                   |                 |                  |                    |                                       |        |                   |                  |     |
| 1. Erysipelas ... ..                     | { E }<br>{ O } | ...          | ...     | ...                  | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...          | 1      | ...              | ...            | ...                 | ...          | 1           | ...                 | ...           | ...              | ...               | ...             | ...              | ...                | ...                                   | ...    | ...               | ...              | 1   |
| 2. Pyæmia, Septicæmia ...                | { E }<br>{ O } | 4            | ...     | 4                    | 1        | 1         | 1         | 1         | ...       | 1         | ...       | ...          | 4      | 1                | ...            | ...                 | ...          | ...         | 3                   | ...           | ...              | ...               | 1               | ...              | 2                  | ...                                   | 1      | ...               | 1                | 4   |
| 3. Puerperal Septicæmia ...              | { E }<br>{ O } | ...          | ...     | ...                  | ...      | ...       | 1         | ...       | 1         | ...       | ...       | ...          | 2      | ...              | ...            | ...                 | ...          | ...         | 2                   | ...           | 1                | ...               | ...             | 1                | ...                | ...                                   | ...    | ...               | ...              | 2   |
| 4. Puerperal Peritonitis ...             | { E }<br>{ O } | ...          | ...     | ...                  | ...      | ...       | 3         | 2         | ...       | ...       | ...       | ...          | 7      | 1                | ...            | ...                 | 1            | ...         | ...                 | 2             | ...              | ...               | ...             | ...              | ...                | ...                                   | ...    | ...               | ...              | 7   |
| Totals for I. ...                        | { E }<br>{ O } | 9            | 11      | 20                   | 19       | 27        | 24        | 32        | 24        | 15        | 5         | 6            | 172    | 9                | 2              | 4                   | 13           | 14          | 8                   | 10            | 31               | 19                | 15              | 8                | 8                  | 10                                    | 4      | 17                | 172              |     |
|  |                | 108          | 63      | 171                  | 34       | 101       | 90        | 53        | 39        | 15        | 4         | 3            | 510    | 10               | 25             | 21                  | 34           | 5           | 92                  | 86            | 34               | 35                | 8               | 36               | 40                 | 33                                    | 22     | 29                | 510              |     |



[illegible]



DEATHS, ARRANGED IN CAUSES, AGES AND WARDS—continued.

| CAUSES OF DEATH.                        |          | Race.    | 0 to 1. | 1 to 5. | Total under 5 years. | 5 to 15. | 15 to 25. | 25 to 35. | 35 to 45. | 45 to 55. | 55 to 65. | 65 to 75. | 75 and over. | TOTAL. | Sea Point No. 1. | Harbour No. 2. | West Central No. 3. | Kloof No. 4. | Park No. 5. | East Central No. 6. | Castle No. 7. | Woodstock No. 8. | Salt River No. 9. | Mowbray No. 10. | Maitland No. 11. | Hondebosc No. 12. | Claremont No. 13. | Kalk Bay No. 14. | Deaths in City, not belonging thereto. | TOTAL. |     |    |
|---|----------|----------|---------|---------|----------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|--------|------------------|----------------|---------------------|--------------|-------------|---------------------|---------------|------------------|-------------------|-----------------|------------------|-------------------|-------------------|------------------|--|--------|-----|----|
| IV. Constitutional Diseases—contd.      |          |          |         |         |                      |          |           |           |           |           |           |           |              |        |                  |                |                     |              |             |                     |               |                  |                   |                 |                  |                   |                   |                  |  |        |     |    |
| 5. Cancer, Malignant Disease ...        | {E<br>O} | ...      | ...     | ...     | ...                  | ...      | 1         | 2         | 9         | 16        | 37        | 26        | 14           | 105    | 8                | 6              | 5                   | 6            | 14          | 6                   | 2             | 8                | 11                | 14              | 2                | 6                 | 3                 | ...              | ...                                    | 14     | 105 |    |
| 6. Purpura, Hæmorrhagic Diathesis ...   | {E<br>O} | ...      | ...     | ...     | ...                  | 1        | ...       | ...       | ...       | ...       | ...       | ...       | ...          | 3      | ...              | ...            | ...                 | ...          | ...         | 7                   | 6             | 7                | 2                 | 2               | 1                | 4                 | 4                 | 1                | ...                                    | 10     | 53  |    |
| 7. Anæmia, Chlorosis, Leucocythæmia ... | {E<br>O} | 1        | 1       | 2       | 1                    | 1        | 1         | 1         | 1         | 1         | ...       | 2         | ...          | 8      | 1                | ...            | ...                 | ...          | 1           | ...                 | 1             | 1                | ...               | ...             | 1                | 1                 | ...               | ...              | ...                                    | ...    | 1   |    |
| 8. Glycosuria, Diabetes Mellitus ...    | {E<br>O} | ...      | ...     | ...     | ...                  | ...      | ...       | ...       | 1         | 2         | 5         | 4         | 1            | 13     | ...              | ...            | ...                 | 1            | 3           | ...                 | ...           | 2                | 4                 | ...             | ...              | 1                 | ...               | 1                | ...                                    | 2      | 13  |    |
| 9. Other Constitutional Diseases ...    | {E<br>O} | ...      | ...     | ...     | ...                  | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...          | 2      | ...              | ...            | ...                 | ...          | ...         | ...                 | ...           | 1                | ...               | ...             | ...              | ...               | ...               | ...              | ...                                    | ...    | 2   |    |
| Totals for IV. ...                      |          | {E<br>O} | 1       | 1       | 2                    | 3        | 2         | 3         | 11        | 18        | 43        | 32        | 17           | 131    | 9                | 6              | 6                   | 7            | 18          | 6                   | 3             | 13               | 17                | 14              | 3                | 8                 | 3                 | ...              | ...                                    | 18     | 131 |    |
| V. Developmental Diseases.              |          |          |         |         |                      |          |           |           |           |           |           |           |              |        |                  |                |                     |              |             |                     |               |                  |                   |                 |                  |                   |                   |                  |  |        |     |    |
| 1. Premature Birth ...                  | {E<br>O} | 35       | ...     | 98      | ...                  | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...          | 98     | 1                | 5              | 4                   | 7            | 1           | 22                  | 14            | 7                | 8                 | 4               | ...              | 2                 | 15                | 3                | ...                                    | 3      | 35  |    |
| 2. Atelectasis ...                      | {E<br>O} | 4        | ...     | 12      | ...                  | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...          | 4      | 1                | ...            | ...                 | ...          | ...         | 3                   | 6             | 1                | 2                 | ...             | 1                | ...               | ...               | ...              | ...                                    | ...    | 4   |    |
| 3. Congenital Malformations ...         | {E<br>O} | 6        | ...     | 3       | ...                  | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...          | 6      | ...              | ...            | ...                 | ...          | 1           | ...                 | 1             | ...              | ...               | 2               | ...              | 1                 | 1                 | ...              | ...                                    | ...    | 6   |    |
| 4. Old Age ...                          | {E<br>O} | ...      | ...     | ...     | ...                  | ...      | ...       | ...       | ...       | 1         | 3         | 10        | 27           | 41     | 2                | 7              | 1                   | 2            | 4           | 6                   | 3             | 2                | 1                 | 2               | 4                | 1                 | 2                 | 1                | ...                                    | 3      | 41  |    |
| Totals for V. ...                       |          | {E<br>O} | 46      | ...     | 113                  | ...      | ...       | ...       | ...       | ...       | 1         | 3         | 10           | 27     | 41               | 3              | 12                  | 1            | 2           | 6                   | 7             | 4                | 8                 | 11              | 8                | 5                 | 4                 | 6                | 3                                      | ...    | 6   | 86 |
|   |          |          | 113     | ...     | ...                  | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...          | 154    | 2                | 19             | 4                   | 3            | 2           | 26                  | 25            | 9                | 8                 | 2               | 14               | 4                 | 18                | 6                | ...                                    | 7      | 154 |    |



## DEATHS, ARRANGED IN CAUSES, AGES AND WARDS.—continued.

## WARDS.

## AGE PERIODS.

| CAUSES OF DEATH.   | Race.      | AGE PERIODS. |         |          |         |     |           |          |          |           |          | Total under 5 years. | 75 and over. | Total. | WARDS.    |           |     |           |           |     |           |           |     |           |              |     |              |     | Deaths in City, not belonging thereto. | Total. |     |
|--|------------|--------------|---------|----------|---------|-----|-----------|----------|----------|-----------|----------|----------------------|--------------|--------|-----------|-----------|-----|-----------|-----------|-----|-----------|-----------|-----|-----------|--------------|-----|--------------|-----|--|--------|-----|
|  |            | 0 to 1.      | 1 to 5. | 5 to 15. |         |     | 15 to 25. |          |          | 25 to 35. |          |                      |              |        | 35 to 45. |           |     | 45 to 55. |           |     | 55 to 65. |           |     | 65 to 75. |              |     | 75 and over. |     |  |        |     |
| VI. Local Diseases.  |            |              |         | 5 to 15. |         |     | 15 to 25. |          |          | 25 to 35. |          |                      | 35 to 45.    |        |           | 45 to 55. |     |           | 55 to 65. |     |           | 65 to 75. |     |           | 75 and over. |     |              |     |  |        |     |
| A.—DISEASES OF NERVOUS SYSTEM.                                       |            |              |         | 5 to 15. |         |     | 15 to 25. |          |          | 25 to 35. |          |                      | 35 to 45.    |        |           | 45 to 55. |     |           | 55 to 65. |     |           | 65 to 75. |     |           | 75 and over. |     |              |     |  |        |     |
| 1. Inflammation of Brain or Membranes ...                            | { E<br>O } | 4<br>11      | 8<br>19 | 12<br>30 | 2<br>14 | ... | 1<br>...  | 1<br>... | 1<br>... | 2<br>...  | 5<br>... | ...                  | ...          | ...    | ...       | ...       | ... | ...       | ...       | ... | ...       | ...       | ... | ...       | ...          | ... | ...          | ... |  |        |     |
| 2. Apoplexy, Softening of the Brain, Hemiplegia, Brain Paralysis ... | { E<br>O } | ...          | 2       | 2        | ...     | 1   | ...       | 1        | ...      | 4         | 9        | 13                   | 20           | 18     | 68        | 7         | 6   | 1         | 9         | 4   | 6         | 3         | 4   | 4         | 12           | 3   | 1            | 3   | 2                                      | 3      | 68  |
| 3. Insanity, General Paralysis of the Insane ...                     | { E<br>O } | 2            | ...     | 2        | 1       | ... | 1         | ...      | 1        | 4         | 17       | 23                   | 11           | 7      | 66        | ...       | 4   | 4         | 3         | 1   | 11        | 12        | 5   | 5         | ...          | 3   | 5            | 8   | 2                                      | 2      | 66  |
| 4. Epilepsy ...  | { E<br>O } | ...          | ...     | ...      | ...     | ... | ...       | ...      | ...      | 6         | 5        | 3                    | ...          | 1      | 15        | ...       | ... | ...       | 1         | 1   | 1         | ...       | 3   | ...       | 5            | ... | ...          | ... | ...                                    | 4      | 15  |
| 5. Convulsions ...   | { E<br>O } | ...          | ...     | ...      | ...     | ... | ...       | ...      | ...      | 4         | 5        | 6                    | 1            | ...    | 16        | ...       | 1   | ...       | ...       | ... | 3         | ...       | ... | 1         | ...          | 5   | 1            | ... | ...                                    | 5      | 16  |
| 6. Laryngismus Stridulus (Spasm of Glottis) ...                      | { E<br>O } | ...          | ...     | ...      | ...     | ... | ...       | ...      | ...      | 2         | 2        | ...                  | 1            | ...    | 7         | ...       | ... | 1         | ...       | ... | 2         | ...       | ... | 1         | 3            | ... | 1            | ... | ...                                    | 2      | 7   |
| 7. Disease of Spinal Cord, Paraplegia ...                            | { E<br>O } | 8<br>60      | 2<br>3  | 10<br>63 | ...     | ... | ...       | ...      | ...      | ...       | ...      | ...                  | ...          | ...    | 10<br>64  | ...       | ... | 2         | 1         | ... | 12        | 11        | 1   | 1         | 3            | 1   | 2            | 7   | 15                                     | ...    | 10  |
| 8. Other Diseases of the Nervous System ...                          | { E<br>O } | ...          | ...     | ...      | ...     | ... | ...       | ...      | ...      | ...       | ...      | ...                  | ...          | ...    | ...       | ...       | ... | ...       | ...       | ... | ...       | ...       | ... | ...       | ...          | ... | ...          | ... | ...                                    | ...    | ... |



[illegible]







## DEATHS, ARRANGED IN CAUSES, AGES AND WARDS—continued.

## WARDS.

## AGE PERIODS.

| CAUSES OF DEATH.                               | Race.              | 0 to 1. | 1 to 5. | Total under 5 years. | 5 to 15. | 15 to 25. | 25 to 35. | 35 to 45. | 45 to 55. | 55 to 65. | 65 to 75. | 75 and over. | TOTAL. | Sea Point No. 1. | Harbour No. 2. | West Central No. 3. | Kloof No. 4. | Park No. 5. | East Central No. 6. | Castle No. 7. | Woodstock No. 8. | Salt River No. 9. | Mowbray No. 10. | Maitland No. 11. | Rondebosch No. 12. | Claremont No. 13. | Kalk Bay No. 14. | Deaths in City, not belonging thereto. | TOTAL. |
|--|--------------------|---------|---------|----------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|--------|------------------|----------------|---------------------|--------------|-------------|---------------------|---------------|------------------|-------------------|-----------------|------------------|--------------------|-------------------|------------------|--|--------|
|  |                    |         |         |                      |          |           |           |           |           |           |           |              |        |                  |                |                     |              |             |                     |               |                  |                   |                 |                  |                    |                   |                  |  |        |
| <i>VII. Local Diseases—continued.</i>          |                    |         |         |                      |          |           |           |           |           |           |           |              |        |                  |                |                     |              |             |                     |               |                  |                   |                 |                  |                    |                   |                  |  |        |
| 3. Diseases of the Stomach ...                 | { E 35<br>O 106 }  | 9       | 50      | 156                  | 3        | ...       | 3         | 6         | 1         | 6         | 2         | 2            | 53     | 1                | 2              | 4                   | 7            | ...         | 3                   | 6             | 16               | 9                 | ...             | 1                | 2                  | 6                 | 2                | 3                                      | 53     |
| 4. Enteritis ...                               | { E 19<br>O 30 }   | 11      | 30      | 56                   | 2        | 1         | 1         | ...       | 1         | ...       | 1         | 2            | 35     | 1                | ...            | 1                   | 1            | ...         | 1                   | 1             | 6                | 8                 | 6               | 2                | 1                  | 4                 | 1                | 3                                      | 35     |
| 5. Obstructive Diseases of Intestine ...       | { E 1<br>O 2 }     | ...     | ...     | 2                    | 1        | 1         | 1         | 4         | 1         | 4         | 4         | 1            | 18     | 3                | ...            | ...                 | ...          | 1           | 2                   | 2             | 5                | 15                | 5               | 16               | 2                  | 5                 | 1                | 1                                      | 61     |
| 6. Hernia...                                   | { E ...<br>O ... } | ...     | ...     | ...                  | ...      | 3         | ...       | ...       | ...       | 1         | ...       | ...          | 9      | ...              | ...            | ...                 | 1            | ...         | ...                 | ...           | 1                | 1                 | ...             | 1                | ...                | 3                 | 1                | 1                                      | 9      |
| 7. Peritonitis ...                             | { E ...<br>O ... } | ...     | ...     | ...                  | 1        | 1         | 1         | ...       | 1         | 1         | ...       | ...          | 5      | ...              | 1              | ...                 | ...          | 1           | ...                 | ...           | ...              | ...               | ...             | ...              | ...                | ...               | 1                | 1                                      | ...    |
| 8. Ascites ...                                 | { E ...<br>O ... } | ...     | ...     | ...                  | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...          | 9      | ...              | 1              | ...                 | ...          | ...         | ...                 | ...           | ...              | ...               | ...             | ...              | ...                | 1                 | 1                | ...                                    | ...    |
| 9. Cirrhosis of Liver ...                      | { E ...<br>O ... } | ...     | ...     | ...                  | ...      | 1         | ...       | 1         | 3         | 1         | 2         | ...          | 6      | ...              | ...            | ...                 | 2            | ...         | 2                   | 1             | ...              | 1                 | ...             | ...              | ...                | ...               | ...              | 1                                      | 6      |
| 10. Jaundice, and other Diseases of Liver ...  | { E 3<br>O ... }   | ...     | ...     | 3                    | ...      | ...       | ...       | 2         | 3         | 3         | 5         | 1            | 17     | ...              | 1              | ...                 | 1            | ...         | 2                   | ...           | 2                | 4                 | ...             | 1                | 4                  | 1                 | ...              | 1                                      | 17     |
| 11. Other Diseases of the Digestive System ... | { E ...<br>O ... } | ...     | ...     | ...                  | ...      | 2         | ...       | ...       | 3         | 1         | ...       | 2            | 6      | 1                | ...            | ...                 | ...          | 1           | ...                 | 1             | ...              | ...               | ...             | ...              | ...                | ...               | 1                | 1                                      | 6      |



[illegible]



[illegible]



DEATHS, ARRANGED IN CAUSES, AGES AND WARDS—continued.

WARDS.

AGE PERIODS.

| CAUSES OF DEATH.                                  | Race.           | 0 to 1.  |           | 1 to 5.   |           | Total under 5 years. |           | AGE PERIODS. |              |     |     |     |     |     |     |     |     | Total. | Sea Point No. 1. | Harbour No. 2. | West Central No. 3. | Kloof No. 4. | Park No. 5. | East Central No. 6. | Castle No. 7. | Woodstock No. 8. | Salt River No. 9. | Mowbray No. 10. | Matthland No. 11. | Hondebosc No. 12. | Claremont No. 13. | Kalk Bay No. 14. | Deaths in City not belonging thereto. | C. Allocated. | Total. |
|---|-----------------|----------|-----------|-----------|-----------|----------------------|-----------|--------------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|--------|------------------|----------------|---------------------|--------------|-------------|---------------------|---------------|------------------|-------------------|-----------------|-------------------|-------------------|-------------------|------------------|---------------------------------------|---------------|--------|
|   |                 | 5 to 15. | 15 to 25. | 25 to 35. | 35 to 45. | 45 to 55.            | 55 to 65. | 65 to 75.    | 75 and over. |     |     |     |     |     |     |     |     |        |                  |                |                     |              |             |                     |               |                  |                   |                 |                   |                   |                   |                  |                                       |               |        |
| <b>VI. Local Diseases—contd.</b>                  |                 |          |           |           |           |                      |           |              |              |     |     |     |     |     |     |     |     |        |                  |                |                     |              |             |                     |               |                  |                   |                 |                   |                   |                   |                  |                                       |               |        |
| <b>L.—DISEASES OF IN-<br/>TEGUMENTARY SYSTEM.</b> |                 |          |           |           |           |                      |           |              |              |     |     |     |     |     |     |     |     |        |                  |                |                     |              |             |                     |               |                  |                   |                 |                   |                   |                   |                  |                                       |               |        |
| 1. Carbuncle, Phlegmon                            | {E<br>O         | ...      | ...       | ...       | ...       | ...                  | ...       | ...          | ...          | ... | ... | ... | ... | ... | ... | ... | ... | ...    | ...              | ...            | ...                 | ...          | ...         | ...                 | ...           | ...              | ...               | ...             | ...               | ...               | ...               | ...              | ...                                   |               |        |
| 2. Other Diseases of Integumentary System         | {E<br>O         | ...      | ...       | 1         | ...       | ...                  | ...       | ...          | ...          | ... | ... | ... | ... | ... | ... | ... | ... | ...    | ...              | ...            | ...                 | ...          | ...         | ...                 | ...           | ...              | ...               | ...             | ...               | ...               | ...               | ...              | ...                                   |               |        |
| 3. Gangrene                                       | {E<br>O         | ...      | ...       | ...       | ...       | ...                  | ...       | ...          | ...          | ... | ... | ... | ... | ... | ... | ... | ... | ...    | ...              | ...            | ...                 | ...          | ...         | ...                 | ...           | ...              | ...               | ...             | ...               | ...               | ...               | ...              | ...                                   |               |        |
| Totals for VI.                                    | {E 103<br>O 453 | 63       | 238       | 166       | 23        | 37                   | 70        | 103          | 125          | 113 | 97  | 752 | 752 | 46  | 49  | 10  | 51  | 44     | 39               | 30             | 93                  | 96           | 78          | 24                  | 46            | 48               | 24                | 71              | ...               | 752               | ...               | 1379             |                                       |               |        |
| <b>VII. Deaths from Violence.</b>                 |                 |          |           |           |           |                      |           |              |              |     |     |     |     |     |     |     |     |        |                  |                |                     |              |             |                     |               |                  |                   |                 |                   |                   |                   |                  |                                       |               |        |
| <b>A.—ACCIDENT OR<br/>NEGLIGENCE.</b>             |                 |          |           |           |           |                      |           |              |              |     |     |     |     |     |     |     |     |        |                  |                |                     |              |             |                     |               |                  |                   |                 |                   |                   |                   |                  |                                       |               |        |
| 1. Fracture and Contusions                        | {E<br>O         | ...      | ...       | 1         | ...       | 3                    | 3         | 4            | 4            | 4   | ... | ... | ... | ... | ... | ... | ... | ...    | ...              | ...            | ...                 | ...          | ...         | ...                 | ...           | ...              | ...               | ...             | ...               | ...               | ...               | ...              | ...                                   | ...           |        |
| 2. Gunshot Wounds                                 | {E<br>O         | ...      | ...       | ...       | ...       | ...                  | ...       | ...          | ...          | ... | ... | ... | ... | ... | ... | ... | ... | ...    | ...              | ...            | ...                 | ...          | ...         | ...                 | ...           | ...              | ...               | ...             | ...               | ...               | ...               | ...              | ...                                   |               |        |
| 3. Cut, Stab                                      | {E<br>O         | ...      | ...       | ...       | ...       | ...                  | ...       | ...          | ...          | ... | ... | ... | ... | ... | ... | ... | ... | ...    | ...              | ...            | ...                 | ...          | ...         | ...                 | ...           | ...              | ...               | ...             | ...               | ...               | ...               | ...              | ...                                   |               |        |
| 4. Burn, Scald                                    | {E<br>O         | ...      | ...       | 2         | 1         | ...                  | ...       | ...          | ...          | ... | ... | ... | ... | ... | ... | ... | ... | ...    | ...              | ...            | ...                 | ...          | ...         | ...                 | ...           | ...              | ...               | ...             | ...               | ...               | ...               | ...              | ...                                   |               |        |
| 5. Poison   | {E<br>O         | ...      | ...       | ...       | ...       | ...                  | ...       | ...          | ...          | ... | ... | ... | ... | ... | ... | ... | ... | ...    | ...              | ...            | ...                 | ...          | ...         | ...                 | ...           | ...              | ...               | ...             | ...               | ...               | ...               | ...              | ...                                   |               |        |

C. Vide footnote to second portion of Summary



DEATHS, ARRANGED IN CAUSES, AGES AND WARDS.—continued.

| CAUSES OF DEATH.                 | Race. | AGE PERIODS. |         |          |  |  |  |  |          |           |           | Total under 5 years. | Total. | WARDS.    |           |           |           |              |                  |                |                     |              |             |                     |               |                  |                   | Deaths in City not belonging thereto. | C. Allocated. | TOTAL. |                 |                  |                    |                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                                  |       | 0 to 1.      | 1 to 5. | 5 years. |  |  |  |  | 5 to 15. | 15 to 25. | 25 to 35. |                      |        | 35 to 45. | 45 to 55. | 55 to 65. | 65 to 75. | 75 and over. | Sea Point No. 1. | Harbour No. 2. | West Central No. 3. | Kloof No. 4. | Park No. 5. | East Central No. 6. | Castle No. 7. | Woodstock No. 8. | Salt River No. 9. |                                       |               |        | Mowbray No. 10. | Maitland No. 11. | Rondebosch No. 12. | Claremont No. 13. | Kalk Bay No. 14. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| VII. Deaths from Violence—contd. |       |              |         |          |  |  |  |  |          |           |           |                      |        |           |           |           |           |              |                  |                |                     |              |             |                     |               |                  |                   |                                       |               |        |                 |                  |                    |                   |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C. Vide footnote to second portion of Summary.



DEATHS, ARRANGED IN CAUSES, AGES AND WARDS.—*continued.*

WARDS.

AGE PERIODS.

| CAUSES OF DEATH.                                      | Race.    | 0 to 1.  | 1 to 5.  | Total under 5 years. | 5 to 15. | 15 to 25. | 25 to 35. | 35 to 45. | 45 to 55. | 55 to 65. | 65 to 75. | 75 and over. | TOTAL.   | Sea Point No. 1. | Harbour No. 2. | West Central No. 3. | Kloof No. 4. | Park No. 5. | East Central No. 6. | Castle No. 7. | Woodstock No. 8. | Salt River No. 9. | Mowbray No. 10. | Maitland No. 11. | Rondebosch No. 12. | Claremont No. 13. | Kalk Bay No. 14. | Deaths in City not belonging thereto. | C. Allocated Not | TOTAL.   |     |     |
|---|----------|----------|----------|----------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|----------|------------------|----------------|---------------------|--------------|-------------|---------------------|---------------|------------------|-------------------|-----------------|------------------|--------------------|-------------------|------------------|---------------------------------------|------------------|----------|-----|-----|
|   |          | { E<br>O | { E<br>O | { E<br>O             | { E<br>O | { E<br>O  | { E<br>O  | { E<br>O  | { E<br>O  | { E<br>O  | { E<br>O  | { E<br>O     | { E<br>O | { E<br>O         | { E<br>O       | { E<br>O            | { E<br>O     | { E<br>O    | { E<br>O            | { E<br>O      | { E<br>O         | { E<br>O          | { E<br>O        | { E<br>O         | { E<br>O           | { E<br>O          | { E<br>O         | { E<br>O                              | { E<br>O         | { E<br>O |     |     |
| VII. Deaths from Violence—contd.                      |          |          |          |                      |          |           |           |           |           |           |           |              |          |                  |                |                     |              |             |                     |               |                  |                   |                 |                  |                    |                   |                  |                                       |                  |          |     |     |
| C.—SUICIDE—contd.                                     |          |          |          |                      |          |           |           |           |           |           |           |              |          |                  |                |                     |              |             |                     |               |                  |                   |                 |                  |                    |                   |                  |                                       |                  |          |     |     |
| 6. Otherwise ... ..                                   | { E<br>O | ...      | ...      | ...                  | ...      | ...       | ...       | 1         | ...       | ...       | ...       | ...          | 1        | ...              | ...            | ...                 | ...          | ...         | ...                 | ...           | ...              | ...               | 1               | ...              | ...                | ...               | ...              | ...                                   | ...              | ...      | ... |     |
| Totals for VII ...                                    | { E<br>O | 2<br>... | 3<br>4   | 5<br>4               | 6<br>10  | 5<br>6    | 9<br>13   | 11<br>6   | 15<br>8   | 10<br>6   | 4<br>...  | 6<br>1       | 71<br>54 | 3<br>1           | 1<br>4         | 6<br>2              | 3<br>5       | 2<br>...    | 4<br>5              | 1<br>7        | 9<br>...         | 11<br>3           | 6<br>1          | 1<br>8           | 5<br>5             | 3<br>2            | 3<br>3           | 12<br>7                               | 1<br>1           | 71<br>54 |     |     |
| VIII. Accident to Child through Parturition.          |          |          |          |                      |          |           |           |           |           |           |           |              |          |                  |                |                     |              |             |                     |               |                  |                   |                 |                  |                    |                   |                  |                                       |                  |          |     |     |
| 1. Asphyxia of Infant ...                             | { E<br>O | ...      | ...      | ...                  | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...          | 1        | ...              | ...            | ...                 | ...          | ...         | ...                 | ...           | ...              | 1                 | ...             | ...              | ...                | ...               | ...              | ...                                   | ...              | ...      | ... |     |
| 2. Umbilical Haemorrhage ...                          | { E<br>O | ...      | ...      | ...                  | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...          | ...      | ...              | ...            | ...                 | ...          | ...         | ...                 | ...           | ...              | ...               | ...             | ...              | ...                | ...               | ...              | ...                                   | ...              | ...      | ... |     |
| 3. Death, due to prolonged labour.                    | { E<br>O | 1<br>2   | ...      | 1<br>2               | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...          | 1<br>2   | ...              | ...            | ...                 | ...          | 1<br>...    | ...                 | ...           | ...              | ...               | ...             | ...              | ...                | ...               | ...              | ...                                   | ...              | ...      | ... | ... |
| 4. Otherwise ... ..                                   | { E<br>O | ...      | ...      | ...                  | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...          | ...      | ...              | ...            | ...                 | ...          | ...         | ...                 | ...           | ...              | ...               | ...             | ...              | ...                | ...               | ...              | ...                                   | ...              | ...      | ... |     |
| Totals for VIII. ...                                  | { E<br>O | 1<br>10  | ...      | 1<br>10              | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...          | 1<br>10  | ...              | ...            | ...                 | ...          | 1<br>...    | ...                 | ...           | ...              | ...               | ...             | ...              | ...                | ...               | ...              | ...                                   | ...              | ...      | ... | ... |
| IX. Deaths from Ill-defined and not specified Causes. |          |          |          |                      |          |           |           |           |           |           |           |              |          |                  |                |                     |              |             |                     |               |                  |                   |                 |                  |                    |                   |                  |                                       |                  |          |     |     |
| 1. Dropsy ... ..                                      | { E<br>O | ...      | ...      | ...                  | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...          | ...      | ...              | ...            | ...                 | ...          | ...         | ...                 | ...           | ...              | ...               | ...             | ...              | ...                | ...               | ...              | ...                                   | ...              | ...      | ... |     |
| 2. Debility ... ..                                    | { E<br>O | 11<br>60 | 2<br>11  | 13<br>71             | ...      | ...       | ...       | ...       | 1<br>...  | ...       | ...       | ...          | 14<br>72 | 1<br>...         | ...            | ...                 | ...          | ...         | ...                 | ...           | ...              | ...               | ...             | ...              | ...                | ...               | ...              | ...                                   | ...              | ...      | ... | ... |

c. Vide footnote to second portion of summary.



DEATHS, ARRANGED IN CAUSES, AGES AND WARDS.—continued.

| CAUSES OF DEATH.   | Race.      | AGE PERIODS.   |         |                 |           |           |           |           |           |           |              | Total under 5 years. | TOTAL.           | Sea Point No. 1. | Harbour No. 2. | West Central No. 3. | Kloof No. 4. | Park No. 5. | East Central No. 6. | Castle No. 7. | Woodstock No. 8.  | Salt River No. 9. | Mowbray No. 10. | Maitland No. 11. | Rondebosch No. 12. | Claremont No. 13. | Kalk Bay No. 14. | Deaths in City, not belonging thereto. | Deaths not allocated. | TOTAL. |                  |
|--|------------|----------------|---------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|----------------------|------------------|------------------|----------------|---------------------|--------------|-------------|---------------------|---------------|-------------------|-------------------|-----------------|------------------|--------------------|-------------------|------------------|--|-----------------------|--------|------------------|
|  |            | 0 to 1.        | 1 to 5. | 5 to 15.        | 15 to 25. | 25 to 35. | 35 to 45. | 45 to 55. | 55 to 65. | 65 to 75. | 75 and over. |                      |                  |                  |                |                     |              |             |                     |               |                   |                   |                 |                  |                    |                   |                  |  |                       |        |                  |
| <i>IX. Deaths from Ill-defined and not specified Causes—contd.</i> |            |                |         |                 |           |           |           |           |           |           |              |                      |                  |                  |                |                     |              |             |                     |               |                   |                   |                 |                  |                    |                   |                  |  |                       |        |                  |
| 3. Mortification   | { E<br>O } | ...            | ...     | ...             | ...       | ...       | ...       | ...       | ...       | ...       | ...          | ...                  | ...              | ...              | ...            | ...                 | ...          | ...         | ...                 | ...           | ...               | ...               | ...             | ...              | ...                | ...               | ...              | ...                                    | ...                   | ...    | ...              |
| 4. Tumour  | { E<br>O } | ...            | ...     | ...             | ...       | ...       | ...       | ...       | ...       | ...       | ...          | ...                  | ...              | ...              | ...            | ...                 | ...          | ...         | ...                 | ...           | ...               | ...               | ...             | ...              | ...                | ...               | ...              | ...                                    | ...                   | ...    | ...              |
| 5. Abscess   | { E<br>O } | ...            | ...     | ...             | ...       | ...       | ...       | ...       | ...       | ...       | ...          | ...                  | ...              | ...              | ...            | ...                 | ...          | ...         | ...                 | ...           | ...               | ...               | ...             | ...              | ...                | ...               | ...              | ...                                    | ...                   | ...    | ...              |
| 6. Hemorrhage  | { E<br>O } | ...            | ...     | ...             | ...       | ...       | ...       | ...       | ...       | ...       | ...          | ...                  | ...              | ...              | ...            | ...                 | ...          | ...         | ...                 | ...           | ...               | ...               | ...             | ...              | ...                | ...               | ...              | ...                                    | ...                   | ...    | ...              |
| 7. Sudden Death (cause not ascertained)                            | { E<br>O } | ...            | ...     | ...             | ...       | ...       | ...       | ...       | ...       | ...       | ...          | ...                  | ...              | ...              | ...            | ...                 | ...          | ...         | ...                 | ...           | ...               | ...               | ...             | ...              | ...                | ...               | ...              | ...                                    | ...                   | ...    | ...              |
| 8. Causes not Specified, or Ill-defined                            | { E<br>O } | 2AB 1<br>4     | ...     | 2AB 1<br>4      | ...       | ...       | ...       | ...       | ...       | ...       | ...          | ...                  | 2AB 1<br>4       | 1                | ...            | ...                 | ...          | ...         | ...                 | 1A            | ...               | ...               | 1               | ...              | 1B 1               | ...               | ...              | 1                                      | ...                   | ...    | 2AB 1<br>4       |
| 9. Natural Causes  | { E<br>O } | ...            | 1       | ...             | ...       | ...       | ...       | ...       | ...       | ...       | ...          | ...                  | ...              | ...              | ...            | ...                 | ...          | ...         | ...                 | ...           | ...               | ...               | ...             | ...              | ...                | ...               | ...              | ...                                    | ...                   | ...    | ...              |
| Totals for IX.   | { E<br>O } | 2AB 12<br>65   | 2 12    | 2AB 14<br>77    | ...       | ...       | ...       | ...       | 1         | ...       | ...          | ...                  | 2AB 15<br>79     | 2                | ...            | 1                   | 1            | ...         | 1                   | 1A 1<br>8     | 3                 | 2                 | ...             | 1                | 1B 1<br>15         | 1                 | 1                | ...                                    | 1                     | ...    | 2AB 15<br>79     |
| Grand Totals   | { E<br>O } | 2AB 173<br>752 | 80 321  | 2AB 253<br>1073 | 46 115    | 58 181    | 73 198    | 125 183   | 161 167   | 194 161   | 164 92       | 156 96               | 2AB 1230<br>2266 | 73 21            | 70 107         | 28 120              | 77 128       | 85 23       | 65 359              | A 49<br>1     | 49 157<br>317 136 | 156 174           | 121 51          | 42 228           | 1 72<br>1          | 71 207<br>218     | 34 72            | 129 105                                | 1                     | 1      | 2AB 1230<br>2266 |
| Grand Totals for All Classes                                       | —          | AB 927         | 401     | AB 1328         | 161 239   | 271 308   | 328 355   | 256 232   | ...       | ...       | ...          | ...                  | AB 3498          | 94 177           | 148 177        | 205 205             | 107 107      | 424 424     | A 367               | 293 293       | 330 330           | 172 172           | 270 270         | B 280            | 289 289            | 106 106           | 234 234          | 2                                      | AB 3498               |        |                  |

A & B, 2 Deaths of unknown race, see footnote to first portion of Summary.

A B & C. See footnotes to second portion of Summary.



**Table B.**

**RETURN of Births which occurred during the year ended June 30th, 1922, as registered up to 1st September, 1922, classified into Wards, etc.**

| WARDS.                              | EUROPEAN.   |          |          |          |        |               |          |          |          |        | OTHER THAN EUROPEAN. |          |          |          |        |             |          |          |          |        | TOTALS        |       |        |        | STILL-BIRTHS. |         |      |     |   |  |           |  |                      |  |                     |
|-------------------------------------|-------------|----------|----------|----------|--------|---------------|----------|----------|----------|--------|----------------------|----------|----------|----------|--------|-------------|----------|----------|----------|--------|---------------|-------|--------|--------|---------------|---------|------|-----|---|--|-----------|--|----------------------|--|---------------------|
|                                     | LEGITIMATE. |          |          |          |        | ILLEGITIMATE. |          |          |          |        | TOTALS.              |          |          |          |        | LEGITIMATE. |          |          |          |        | ILLEGITIMATE. |       |        |        |               | TOTALS. |      |     |   |  | EUROPEAN. |  | OTHER THAN EUROPEAN. |  | TOTAL STILL-BIRTHS. |
|                                     | Males.      |          | Females. |          | Total. | Males.        |          | Females. |          | Total. | Males.               |          | Females. |          | Total. | Males.      |          | Females. |          | Total. | R.            | O.    | Total. | Legit. | Illegit.      |         |      |     |   |  |           |  |                      |  |                     |
|                                     | Males.      | Females. | Males.   | Females. |        | Males.        | Females. | Males.   | Females. |        | Males.               | Females. | Males.   | Females. |        | Males.      | Females. | Males.   | Females. |        |               |       |        |        |               |         |      |     |   |  |           |  |                      |  |                     |
| 1. Sea Point                        | 93          | 97       | 4        | 2        | 97     | 99            | 196      | 10       | 9        | 12     | 6                    | 22       | 15       | 37       | 233    | 7           | Nil.     | Nil.     | Nil.     | 7      | 196           | 37    | 233    | 7      | Nil.          | Nil.    | Nil. | 7   |   |  |           |  |                      |  |                     |
| 2. Harbour                          | 42          | 38       | 3        | 4        | 45     | 42            | 87       | 45       | 41       | 19     | 18                   | 64       | 59       | 123      | 210    | 5           | Nil.     | 5        | 2        | 12     | 87            | 123   | 210    | 5      | Nil.          | 5       | 2    | 12  |   |  |           |  |                      |  |                     |
| 3. Central (West)                   | 19          | 19       | 3        | 3        | 22     | 22            | 44       | 73       | 109      | 22     | 30                   | 95       | 139      | 234      | 278    | Nil.        | 2        | 18       | 5        | 25     | 44            | 234   | 278    | Nil.   | 2             | 18      | 5    | 25  |   |  |           |  |                      |  |                     |
| 4. Kloof                            | 76          | 65       | 3        | Nil.     | 79     | 65            | 144      | 130      | 107      | 24     | 26                   | 154      | 133      | 287      | 431    | 8           | Nil.     | 23       | 10       | 41     | 144           | 287   | 431    | 8      | Nil.          | 23      | 10   | 41  |   |  |           |  |                      |  |                     |
| 5. Park                             | 67          | 62       | 8        | 4        | 75     | 66            | 141      | 18       | 29       | 14     | 13                   | 32       | 42       | 74       | 215    | 5           | Nil.     | 2        | 4        | 11     | 141           | 74    | 215    | 5      | Nil.          | 2       | 4    | 11  |   |  |           |  |                      |  |                     |
| 6. Central (East)                   | 59          | 76       | 4        | 3        | 63     | 79            | 142      | 268      | 235      | 94     | 99                   | 362      | 334      | 696      | 838    | 7           | Nil.     | 37       | 25       | 69     | 142           | 696   | 838    | 7      | Nil.          | 37      | 25   | 69  |   |  |           |  |                      |  |                     |
| 7. Castle                           | 64          | 61       | 6        | 7        | 70     | 68            | 138      | 262      | 243      | 73     | 61                   | 335      | 304      | 639      | A778   | 7           | Nil.     | 37       | 9        | 53     | 138           | 639   | A778   | 7      | Nil.          | 37      | 9    | 53  |   |  |           |  |                      |  |                     |
| 8. Woodstock                        | 195         | 176      | 11       | 15       | 206    | 191           | 397      | 109      | 106      | 41     | 27                   | 150      | 133      | 283      | 680    | 16          | 2        | 7        | 15       | 40     | 397           | 283   | 680    | 16     | 2             | 7       | 15   | 40  |   |  |           |  |                      |  |                     |
| 9. Salt River                       | 178         | 172      | 10       | 6        | 188    | 178           | 366      | 122      | 111      | 40     | 31                   | 162      | 142      | 304      | 670    | 21          | 2        | 11       | 11       | 45     | 366           | 304   | 670    | 21     | 2             | 11      | 11   | 45  |   |  |           |  |                      |  |                     |
| 10. Mowbray                         | 116         | 118      | 3        | 1        | 119    | 119           | 238      | 57       | 53       | 30     | 23                   | 87       | 76       | 163      | 401    | 5           | Nil.     | 7        | 2        | 14     | 238           | 163   | 401    | 5      | Nil.          | 7       | 2    | 14  |   |  |           |  |                      |  |                     |
| 11. Maitland                        | 58          | 39       | 3        | 3        | 61     | 42            | 103      | 106      | 128      | 65     | 59                   | 171      | 187      | 358      | 461    | 7           | Nil.     | 15       | 11       | 33     | 103           | 358   | 461    | 7      | Nil.          | 15      | 11   | 33  |   |  |           |  |                      |  |                     |
| 12. Rondebosch                      | 56          | 49       | 3        | 3        | 59     | 52            | 111      | 152      | 154      | 67     | 55                   | 219      | 209      | 428      | B340   | 3           | Nil.     | 16       | 11       | 30     | 111           | 428   | B340   | 3      | Nil.          | 16      | 11   | 30  |   |  |           |  |                      |  |                     |
| 13. Claremont                       | 89          | 82       | 7        | 4        | 96     | 86            | 182      | 168      | 151      | 39     | 46                   | 207      | 197      | 404      | 586    | 4           | 1        | 26       | 3        | 34     | 182           | 404   | 586    | 4      | 1             | 26      | 3    | 34  |   |  |           |  |                      |  |                     |
| 14. Kalk Bay                        | 39          | 29       | Nil.     | Nil.     | 39     | 29            | 68       | 63       | 62       | 20     | 32                   | 83       | 94       | 177      | 245    | 1           | Nil.     | 9        | 7        | 17     | 63            | 177   | 245    | 1      | Nil.          | 9       | 7    | 17  |   |  |           |  |                      |  |                     |
| Birth in City not belonging thereto | 62          | 43       | 15       | 27       | 77     | 70            | 147      | 6        | 5        | 25     | 19                   | 31       | 24       | 55       | 202    | 6           | 5        | Nil.     | 3        | 14     | 147           | 55    | 202    | 6      | 5             | Nil.    | 3    | 14  |   |  |           |  |                      |  |                     |
| Not Allocated                       | 1           | 1        | Nil.     | Nil.     | 1      | 1             | 2        | Nil.     | Nil.     | Nil.   | Nil.                 | Nil.     | Nil.     | Nil.     | 2      | Nil.        | 2        | Nil.     | 1        | 1      | 2             | Nil.  | 2      | Nil.   | 2             | Nil.    | Nil. | 1   | 1 |  |           |  |                      |  |                     |
| City of Capetown                    | 1,214       | 1,127    | 83       | 82       | 1,297  | 1,209         | 2,506    | 1,589    | 1,543    | 585    | 545                  | 2,174    | 2,088    | 4,262    | 6,770  | 102         | 12       | 213      | 119      | 446    | 2,506         | 4,262 | 6,770  | 102    | 12            | 213     | 119  | 446 |   |  |           |  |                      |  |                     |

A. Including male birth of race unknown. Decomposed body found in Ward No. 7 in December, 1921. B. Including male birth of race unknown. Decomposed body found in Ward No. 12 in April, 1922. A.B. These two births have been allocated to the Wards in which the sites of discovery of the bodies are situated.



Table C.

Notification of Infectious Diseases Classified as to Race, Sex and months according to date of Notification Certificate for the period July 1st, 1921, to June 30th, 1922.

| PERIOD.<br>1921-1922. | Enteric Fever. |     |       | Diphtheria<br>and Group.  |     |       | Scarlet Fever<br>or Scarlatina. |    |       | Erysipelas.   |    |       | Puer-<br>peral<br>Fever.                      |    |       | Acute<br>Anterior<br>Polyomyelitis. |    |       | Malaria Fever. |    |       | Leprosy. |    |       | Epidemic<br>Cerebro-Spinal<br>Meningitis. |    |       |  |  |  |
|-----------------------|----------------|-----|-------|---------------------------|-----|-------|---------------------------------|----|-------|---------------|----|-------|---|----|-------|-------------------------------------|----|-------|----------------|----|-------|----------|----|-------|---|----|-------|--|--|--|
|                       | E.             | O.  | Total | E.                        | O.  | Total | E.                              | O. | Total | E.            | O. | Total | E.  | O. | Total | E.                                  | O. | Total | E.             | O. | Total | E.       | O. | Total | E.  | O. | Total |  |  |  |
| 1921.                 |                |     |       |                           |     |       |                                 |    |       |               |    |       |   |    |       |                                     |    |       |                |    |       |          |    |       |   |    |       |  |  |  |
| July ...              | 10             | 7   | 17    | 6                         | 16  | 22    | 14                              | 2  | 16    | 1             | 1  | 2     | 1   | 1  | 2     | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| August ...            | 5              | 5   | 10    | 3                         | 24  | 27    | 9                               | 2  | 11    | 1             | 1  | 2     | 1   | 1  | 2     | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| September ...         | 7              | 3   | 10    | 8                         | 7   | 15    | 11                              | 3  | 14    | 1             | 1  | 2     | 1   | 1  | 2     | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| October ...           | 8              | 6   | 14    | 7                         | 4   | 11    | 11                              | 3  | 14    | 1             | 1  | 2     | 1   | 1  | 2     | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| November ...          | 4              | 10  | 14    | 5                         | 6   | 11    | 13                              | 1  | 14    | 1             | 1  | 2     | 1   | 1  | 2     | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| December ...          | 12             | 5   | 17    | 9                         | 11  | 20    | 9                               | 3  | 12    | 7             | 2  | 9     | 4   | 1  | 5     | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| 1922.                 |                |     |       |                           |     |       |                                 |    |       |               |    |       |   |    |       |                                     |    |       |                |    |       |          |    |       |   |    |       |  |  |  |
| January ...           | 20             | 26  | 46    | 17                        | 13  | 30    | 7                               | 1  | 8     | 1             | 1  | 2     | 1   | 1  | 2     | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| February ...          | 13             | 18  | 31    | 12                        | 19  | 31    | 4                               | 1  | 5     | 1             | 1  | 2     | 1   | 1  | 2     | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| March ...             | 17             | 16  | 33    | 11                        | 21  | 32    | 4                               | 1  | 5     | 1             | 1  | 2     | 1   | 1  | 2     | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| April ...             | 9              | 9   | 18    | 16                        | 51  | 67    | 5                               | 6  | 11    | 1             | 1  | 2     | 1   | 1  | 2     | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| May ...               | 12             | 20  | 32    | 10                        | 6   | 16    | 8                               | 15 | 23    | 1             | 1  | 2     | 1   | 1  | 2     | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| June ...              | 10             | 8   | 18    | 4                         | 5   | 9     | 2                               | 1  | 3     | 1             | 1  | 2     | 1   | 1  | 2     | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| Totals                | 127            | 133 | 260   | 117                       | 127 | 244   | 69                              | 7  | 76    | 61            | 13 | 74    | 42  | 6  | 48    | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| PERIOD.<br>1921-1922. |                |     |       |                           |     |       |                                 |    |       |               |    |       |   |    |       |                                     |    |       |                |    |       |          |    |       |   |    |       |  |  |  |
|                       | Typhus.        |     |       | Infective<br>Ecephalitis. |     |       | Ophthalmia<br>Neonatorum.       |    |       | Tuberculosis. |    |       | Acute Primary<br>and Influenzal<br>Pneumonia. |    |       | Totals.                             |    |       |                |    |       |          |    |       |   |    |       |  |  |  |
| 1921.                 | E.             | O.  | Total | E.                        | O.  | Total | E.                              | O. | Total | E.            | O. | Total | E.  | O. | Total | E.                                  | O. | Total | E.             | O. | Total | E.       | O. | Total | E.  | O. | Total |  |  |  |
| July ...              | 10             | 7   | 17    | 6                         | 16  | 22    | 14                              | 2  | 16    | 1             | 1  | 2     | 1   | 1  | 2     | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| August ...            | 5              | 5   | 10    | 3                         | 24  | 27    | 9                               | 2  | 11    | 1             | 1  | 2     | 1   | 1  | 2     | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| September ...         | 7              | 3   | 10    | 8                         | 7   | 15    | 11                              | 3  | 14    | 1             | 1  | 2     | 1   | 1  | 2     | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| October ...           | 8              | 6   | 14    | 7                         | 4   | 11    | 11                              | 3  | 14    | 1             | 1  | 2     | 1   | 1  | 2     | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| November ...          | 4              | 10  | 14    | 5                         | 6   | 11    | 13                              | 1  | 14    | 1             | 1  | 2     | 1   | 1  | 2     | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| December ...          | 12             | 5   | 17    | 9                         | 11  | 20    | 9                               | 3  | 12    | 7             | 2  | 9     | 4   | 1  | 5     | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| 1922.                 |                |     |       |                           |     |       |                                 |    |       |               |    |       |   |    |       |                                     |    |       |                |    |       |          |    |       |   |    |       |  |  |  |
| January ...           | 20             | 26  | 46    | 17                        | 13  | 30    | 7                               | 1  | 8     | 1             | 1  | 2     | 1   | 1  | 2     | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| February ...          | 13             | 18  | 31    | 12                        | 19  | 31    | 4                               | 1  | 5     | 1             | 1  | 2     | 1   | 1  | 2     | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| March ...             | 17             | 16  | 33    | 11                        | 21  | 32    | 4                               | 1  | 5     | 1             | 1  | 2     | 1   | 1  | 2     | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| April ...             | 9              | 9   | 18    | 16                        | 51  | 67    | 5                               | 6  | 11    | 1             | 1  | 2     | 1   | 1  | 2     | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| May ...               | 12             | 20  | 32    | 10                        | 6   | 16    | 8                               | 15 | 23    | 1             | 1  | 2     | 1   | 1  | 2     | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| June ...              | 10             | 8   | 18    | 4                         | 5   | 9     | 2                               | 1  | 3     | 1             | 1  | 2     | 1   | 1  | 2     | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |
| Totals                | 127            | 133 | 260   | 117                       | 127 | 244   | 69                              | 7  | 76    | 61            | 13 | 74    | 42  | 6  | 48    | 1                                   | 1  | 2     | 1              | 1  | 2     | 1        | 1  | 2     | 1   | 1  | 2     |  |  |  |



**Table D.**

Comparative Table of Estimated Populations and Vital Statistic Rates for various years for the City of Capetown.

| Year<br>(1st July to 30th June). | Estimated Populations. |         | Birth Rates. |         | Percentage of Illegitimate Births of Total Births. |         | Death Rates. |         | Death Rates corrected for Visitors. |         | Zymotic Death Rates. |         | Tuberculosis Death Rates. |         | Infant Mortality. |         |
|----------------------------------|------------------------|---------|--------------|---------|--|---------|--------------|---------|-------------------------------------|---------|----------------------|---------|---------------------------|---------|-------------------|---------|
|                                  | Euro-peans.            | Others. | Euro-peans.  | Others. | Euro-peans.  | Others. | Euro-peans.  | Others. | Euro-peans.                         | Others. | Euro-peans.          | Others. | Euro-peans.               | Others. | Euro-peans.       | Others. |
| 1913-1914*                       | ..                     | 76,940  | 74,560       | 45.48   | 6.50   | 25.75   | 13.77        | 28.25   | 12.10                               | 27.02   | 0.80                 | 1.93    | 1.35                      | 5.11    | 107.96            | 250.54  |
| 1914-1915                        | ..                     | 79,840  | 75,510       | 47.52   | 6.90   | 26.48   | 14.28        | 29.73   | 12.73                               | 28.39   | 1.03                 | 2.73    | 1.24                      | 5.46    | 100.30            | 224.40  |
| 1915-1916                        | ..                     | 82,860  | 76,470       | 48.36   | 7.48   | 33.79   | 12.84        | 27.66   | 11.28                               | 26.04   | 0.64                 | 1.90    | 1.04                      | 4.69    | 79.20             | 189.30  |
| 1916-1917                        | ..                     | 85,990  | 77,450       | 45.84   | 6.77   | 25.07   | 16.04        | 34.42   | 13.34                               | 32.70   | 1.19                 | 4.73    | 1.43                      | 5.95    | 96.20             | 226.76  |
| 1917-1918                        | ..                     | 89,240  | 78,440       | 46.31   | 7.03   | 25.35   | 13.47        | 30.53   | 11.48                               | 27.89   | 0.83                 | 2.97    | 1.01                      | 5.37    | 79.20             | 200.93  |
| 1918-1919                        | ..                     | 92,610  | 79,450       | 41.21   | 8.30   | 24.77   | 25.19†       | 69.97†  | 22.08†                              | 66.09†  | 0.68                 | 2.43    | 0.98                      | 4.32    | 114.69†           | 297.80† |
| 1919-1920                        | ..                     | 96,110  | 80,450       | 56.17   | 51.88  | 6.44    | 12.92        | 28.65   | 11.08                               | 27.06   | 0.81                 | 2.66    | 0.94                      | 4.11    | 81.51             | 183.76  |
| 1920-1921                        | ..                     | 99,750  | 81,490       | 25.33   | 46.40  | 5.9     | 13.68        | 32.56   | 12.03                               | 30.64   | 0.98                 | 3.69    | 0.81                      | 4.36    | 101.05            | 237.77  |
| 1921-1922                        | ..                     | 103,520 | 82,530       | 24.21   | 51.64  | 6.46    | 11.88        | 27.46   | 10.63                               | 26.18   | 0.40                 | 1.57    | 1.04                      | 3.71    | 69.03             | 176.44  |

\* This period represents 296 days; Unification took place on the 8th September, 1913.

† Including deaths caused by the Epidemic of Spanish Influenza in October, 1918.



Table E.

# **BAROMETRICAL READINGS, 1921-1922.**

CORRECTED FOR ALTITUDE, TEMPERATURE, INDEX ERROR, CAPACITY AND CAPILLARITY.

| Month.    | Mean.  | Average for fifteen years, 1st July, 1906, to 30th June, 1921. | Highest. | Date.   | Lowest. | Date.   | Highest and Date for fifteen years, 1st July, 1906, to 30th June, 1921. | Lowest and Date for fifteen years, 1st July, 1906, to 30th June, 1921. |
|-----------|--------|--|----------|---------|---------|---------|---|--|
| 1921.     |        |  |          |         |         |         |   |  |
| July      | 30.364 | 30.288   | 30.709   | 20th    | 29.890  | 4th     | 30.665  | 28.924   |
| August    | 30.289 | 30.264   | 30.984   | 26th    | 29.970  | 25th    | 30.882  | 29.753   |
| September | 30.290 | 30.235   | 30.691   | 8th     | 30.107  | 2nd     | 30.675  | 29.694   |
| October   | 30.252 | 30.205   | 30.460   | 28th    | 29.976  | 7th     | 30.563  | 29.727   |
| November  | 30.531 | 30.205   | 30.450   | 12th    | 30.052  | 4th     | 30.841  | 29.905   |
| December  | 30.094 | 30.131   | 30.559   | 31st    | 29.931  | 9th     | 30.470  | 29.754   |
| 1922.     |        |  |          |         |         |         |   |  |
| January   | 30.012 | 30.104   | 30.252   | 30th    | 29.953  | 17th    | 30.500  | 29.757   |
| February  | 30.097 | 30.085   | 30.392   | 19th    | 30.010  | 5th     | 30.380  | 29.775   |
| March     | 30.159 | 30.145   | 30.299   | 22nd    | 29.984  | 21st    | 30.608  | 29.002   |
| April     | 30.177 | 30.153   | 30.343   | 6th     | 29.845  | 12th    | 30.445  | 29.098   |
| May       | 30.277 | 30.216   | 30.468   | 15th    | 29.912  | 10th    | 30.571  | 29.078   |
| June      | 30.251 | 30.284   | 30.621   | 13th    | 29.927  | 10th    | 30.633  | 29.089   |
| Year ...  | 30.233 | 30.193   | 30.984   | 26/8/21 | 29.845  | 12/4/22 | 30.882  | 28.924   |
|           |        |  |          |         |         |         | 1/8/1906.   | 13/7/1917.   |







**Table G.**  
**RAINFALL AND HUMIDITY, 1921-1922.**

| Month.    | RAINFALL.         |  |                    |  |                           |         |   | HUMIDITY.            |   |
|-----------|-------------------|--|--------------------|--|---------------------------|---------|---|----------------------|---|
|           | Amount in Inches. | Average for fifteen Yrs. in inches, 1st July, 1906 to 30th June, 1921. | No. of Rainy Days. | Average rainy days for fifteen Yrs. 1st July, 1906 to 30th June, 1921. | Greatest Fall in one day. |         | Greatest Fall in on-day for fifteen Yrs. 1st July, 1906 to 30th June, 1921. | Mean Saturation 100. | Average for fifteen Yrs. 1st July, 1906 to 30th June, 1921. |
|           |                   |  |                    |  | Amount in Inches.         | Date.   |   |                      |   |
| 1921.     |                   |  |                    |  |                           |         |   |                      |   |
| July      | 4.94              | 3.67   | 15                 | 14.0   | 1.25                      | 3rd     | 2.67  | 83.39                | 85.87   |
| August    | 3.25              | 2.99   | 15                 | 13.0   | 0.77                      | 8th     | 1.90  | 87.09                | 85.60   |
| September | 2.45              | 2.18   | 9                  | 11.4   | 1.33                      | 6th     | 1.45  | 78.73                | 81.99   |
| October   | 1.33              | 1.25   | 10                 | 8.5  | 0.45                      | 7th     | 1.10  | 41.16                | 77.17   |
| November  | 0.45              | 1.00   | 4                  | 7.2  | 0.33                      | 10th    | 0.78  | 69.70                | 73.39   |
| December  | 1.15              | 1.07   | 8                  | 6.4  | 0.38                      | 9th     | 1.61  | 72.70                | 69.65   |
| 1922.     |                   |  |                    |  |                           |         |   |                      |   |
| January   | 1.60              | 0.47   | 9                  | 3.4  | 0.57                      | 11th    | 0.90  | 73.00                | 70.73   |
| February  | 0.29              | 0.43   | 3                  | 3.9  | 0.16                      | 17th    | 0.50  | 67.50                | 73.75   |
| March     | 0.81              | 0.71   | 5                  | 5.0  | 0.57                      | 21st    | 1.08  | 79.50                | 76.87   |
| April     | 1.18              | 1.74   | 9                  | 9.3  | 0.40                      | 30th    | 1.61  | 83.30                | 83.21   |
| May       | 1.41              | 2.85   | 10                 | 12.1   | 0.47                      | 13th    | 2.76  | 75.19                | 83.47   |
| June      | 5.29              | 3.83   | 18                 | 14.1   | 1.07                      | 10th    | 2.35  | 85.23                | 86.13   |
| Year      | 24.15             | 22.19  | 115                | 108.3  | 1.25                      | 37/1921 | 2.76  | 74.71                | 78.99   |



Table H

## EARTH TEMPERATURE, 1921-1922.

| Month.        |     | Range at one foot.<br>° F. | Range for one foot<br>° F fifteen years, 1st<br>July, 1906 to 30th<br>June, 1921. | Range at two feet.<br>° F. | Range for two feet<br>° F fifteen years, 1st<br>July, 1906, to 30th<br>June, 1921. | Range at four feet.<br>° F. | Range for four feet<br>° F fifteen years, 1st<br>July, 1906, to 30th<br>June, 1921. |
|---------------|-----|----------------------------|---|----------------------------|--|-----------------------------|---|
| 1921.         |     |                            |   |                            |  |                             |   |
| July ...      | ... | 52.2 to 55.3               | 49.2 to 58.1  | 55.0 to 57.5               | 54.6 to 59.8   | 57.3 to 60.3                | 57.7 to 62.5  |
| August ...    | ... | 52.5 to 59.9               | 50.9 to 59.4  | 54.8 to 56.0               | 54.5 to 59.8   | 56.8 to 57.3                | 57.0 to 59.4  |
| September ... | ... | 53.1 to 59.0               | 50.9 to 67.2  | 55.0 to 58.0               | 55.0 to 65.5   | 57.0 to 58.0                | 57.0 to 63.0  |
| October ...   | ... | 53.3 to 64.0               | 57.2 to 75.9  | 58.3 to 62.0               | 58.0 to 72.5   | 58.0 to 61.0                | 56.8 to 66.1  |
| November ...  | ... | 62.2 to 70.4               | 61.3 to 78.0  | 62.0 to 67.0               | 61.0 to 74.9   | 60.8 to 64.1                | 61.0 to 70.3  |
| December ...  | ... | 68.8 to 72.9               | 65.6 to 79.8  | 67.1 to 69.2               | 64.2 to 77.8   | 64.1 to 66.2                | 63.8 to 81.4  |
| 1922.         |     |                            |   |                            |  |                             |   |
| January ...   | ... | 70.0 to 75.0               | 67.0 to 81.9  | 69.1 to 70.9               | 69.0 to 79.9   | 66.8 to 68.0                | 66.2 to 76.7  |
| February ...  | ... | 68.0 to 73.8               | 68.9 to 82.2  | 69.0 to 70.8               | 69.0 to 80.0   | 67.9 to 68.4                | 68.7 to 77.0  |
| March ...     | ... | 66.0 to 73.6               | 67.0 to 79.2  | 67.4 to 71.0               | 68.9 to 78.6   | 68.0 to 69.1                | 69.1 to 76.9  |
| April ...     | ... | 62.0 to 67.3               | 58.9 to 73.9  | 64.0 to 67.4               | 63.0 to 76.1   | 65.2 to 67.9                | 62.2 to 75.8  |
| May ...       | ... | 56.6 to 63.0               | 53.0 to 67.6  | 60.0 to 63.9               | 58.0 to 69.5   | 62.6 to 65.3                | 63.0 to 71.5  |
| June ...      | ... | 53.0 to 58.5               | 51.3 to 63.0  | 56.0 to 60.0               | 56.0 to 63.2   | 59.5 to 62.5                | 59.1 to 65.8  |
| Year          | ... | 52.2 to 75.0               | 49.2 to 82.2  | 54.8 to 71.0               | 54.5 to 80.0   | 56.8 to 69.1                | 56.8 to 81.4  |



**Table I.**  
**BRIGHT SUNSHINE, 1921-1922.**

| Month.        | Total Hours. |          | Most in one day and date. |          | Average for 15 years.<br>1st July, 1906, to 30th<br>June, 1921. |          | Most in one day for 15 years.<br>1st July, 1906, to 30th June, 1921. |          |
|---------------|--------------|----------|---------------------------|----------|---|----------|--|----------|
|               | Hours.       | Minutes. | Hours.                    | Minutes. | Hours.  | Minutes. | Hours.   | Minutes. |
| 1921.         |              |          |                           |          |   |          |  |          |
| July ...      | 185          | 18       | 9                         | 15       | 187   | 36       | 10   | 5        |
| August ...    | 196          | 13       | 9                         | 40       | 203   | 2        | 10   | 30       |
| September ... | 199          | 16       | 10                        | 18       | 210   | 48       | 11   | 15       |
| October ...   | 274          | 1        | 10                        | 45       | 268   | 1        | 12   | 30       |
| November ...  | 269          | 33       | 11                        | 15       | 293   | 18       | 13   | 25       |
| December...   | 286          | 5        | 10                        | 45       | 328   | 16       | 13   | 45       |
| 1922.         |              |          |                           |          |   |          |  |          |
| January ...   | 325          | 57       | 10                        | 54       | 339   | 13       | 13   | 20       |
| February ...  | 259          | 15       | 10                        | 48       | 289   | 34       | 12   | 45       |
| March ...     | 239          | 26       | 10                        | 15       | 278   | 56       | 12   | ...      |
| April ...     | 204          | 48       | 9                         | 45       | 221   | 47       | 10   | 45       |
| May ...       | 218          | 12       | 9                         | —        | 201   | 36       | 10   | ...      |
| June ...      | 143          | 6        | 7                         | 50       | 158   | 15       | 9  | 30       |
| Year ...      | 2,801        | 10       | 11                        | 15       | 2,980   | 22       | 13   | 45       |







