

## **Notes and statistics on vaccination in Burma.**

### **Contributors**

Burma.

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14.

NOTES AND STATISTICS  
ON  
VACCINATION IN BURMA

FOR THE YEAR 1902-03.



RANGOON:  
OFFICE OF THE SUPERINTENDENT, GOVERNMENT PRINTING, BURMA.  
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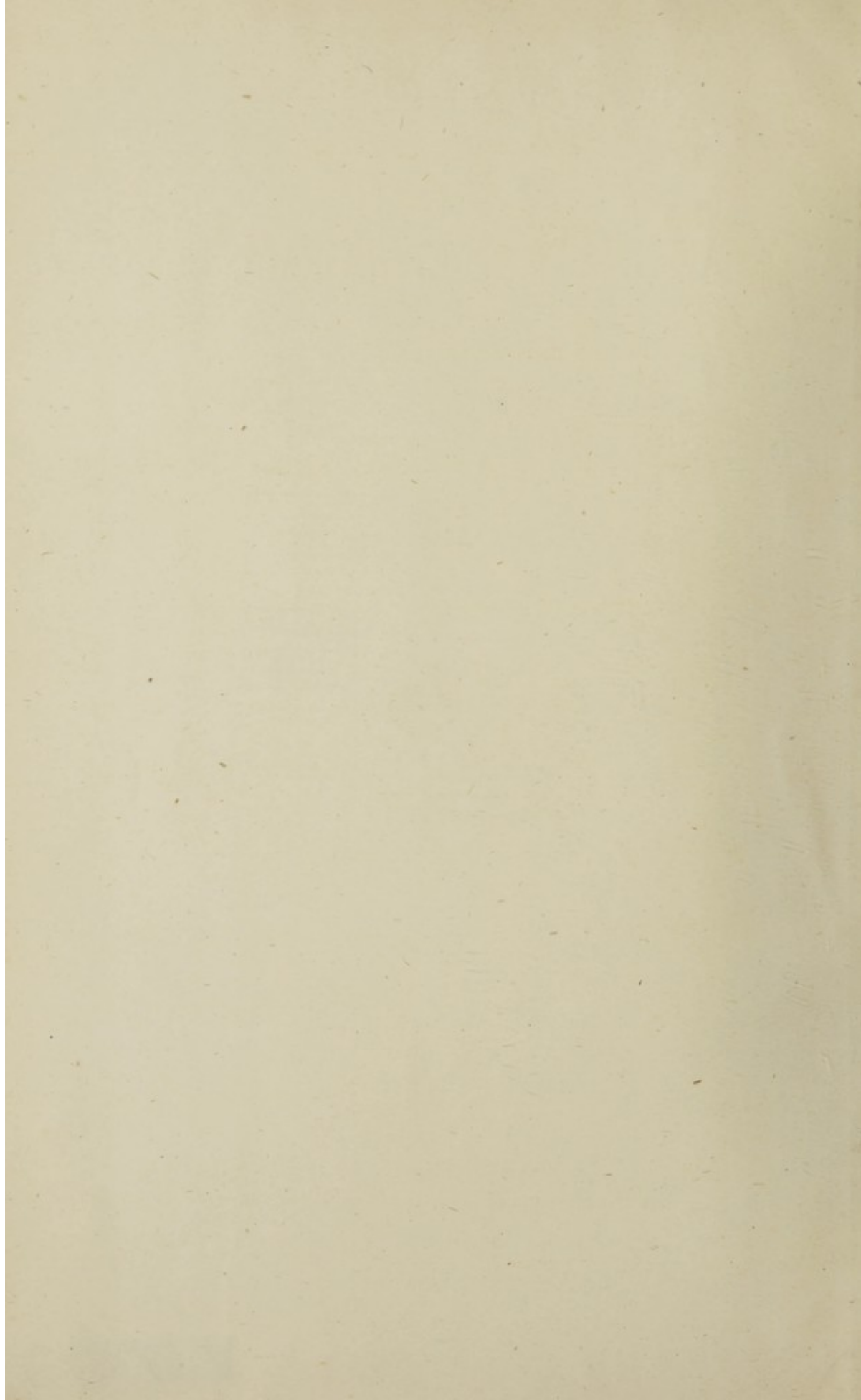
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REPORT AND PROCEEDINGS  
OF THE  
COMMISSIONERS OF THE  
SCHOOL DEPARTMENT  
IN  
VACCINATION IN ILLINOIS  
FOR THE YEAR 1901

PUBLISHED BY THE  
STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC HEALTH  
CHICAGO, ILLINOIS  
1902



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NOTE AND STATISTICS  
ON  
VACCINATION IN BURMA  
FOR THE YEAR 1902-03.

The report consists of brief notes and the usual statements.

1. *Strength of staff.*—The average number of vaccinators employed throughout the year was 213 as compared with 194 in 1901-02, an increase of 1 in Lower and 18 in Upper Burma. According to districts the staff was increased by three at Shwebo, three at Minbu, three at Magwe, two at Meiktila, two at Yamethin, and five in the Northern Shan States. Statement I.

The supervising staff was increased by one. The extra appointment was for the Northern Shan States.

2. *Number vaccinated.*—The total number of operations performed aggregated 370,510 as against 352,976 in the previous year or an increase of 17,534. The increase was entirely in Upper Burma. Statement I.

Civil Surgeons explain the falling off in Lower Burma as due to—

- (a) the attitude of the people who have a predilection for inoculation. They fully understand that vaccination is not compulsory outside municipal limits, nor inoculation illegal, so that villages which willingly submitted to vaccination in past years now hold aloof altogether on one pretext or another;
- (b) a closer supervision of the work of vaccinators and to the punishments inflicted for false returns;
- (c) to the indifferent class of men who seek employment, as vaccinators and to the frequent number of resignations when they are pressed in the matter of work, thus leading to frequent changes in the staff.

The unrestricted practice of inoculation undoubtedly exercises an injurious effect upon vaccination.

3. *Average work of each vaccinator.*—The average number of vaccinations performed by each vaccinator was 1,739 against 1,829 in the previous year. For Lower and Upper Burma the figures are respectively 1,580 and 1,966 per vaccinator. Statement I.

4. *Primary vaccination.*—The number of primary operations performed was 348,007 with a percentage of success of 87·14. In the previous year primary vaccinations numbered 329,686 and the rate of success was 90·27. Statement I.

5. *Re-vaccination.*—The number of persons re-vaccinated during the year was 22,503 as compared with 23,290 in the year preceding. The reported rate of success was 46·83 per cent. against 51·90 in the previous year. Statement I.

6. *Age of those vaccinated.*—Of the ages of those successfully vaccinated 78,674 were infants under one year of age, 167,376 children between one and six years and 57,201 over six years and adults. Thus out of every 100 persons successfully vaccinated, 26 were infants under one year of age, 55 children between one and six years and 19 of other ages. Statement I.

7. *Protection to population.*—The comparative statement and diagram required by the Government of India form Appendices A and C to this report. Appendices A. & C.

| Period. | RATIO PER 1000 OF                   |                           |
|---------|-------------------------------------|---------------------------|
|         | Population successfully vaccinated. | Mortality from small-pox. |
| 1897-02 | 55 2'02                             | 7'91                      |
| 1902-03 | 23 9'49                             | 2'77                      |

The statement in the margin shows the protection per 1,000 of population and the mortality per 1,000 from small-pox during 1902-03 and the quinquennium 1897-1902.

Statement II.

8. The total expenditure on account of vaccination including all charges was Rs. 85,828-11-2 or Rs. 6,691-9-3 more than in the previous year.

The increase in the expenditure was due principally to the extra charges incurred in connection with the opening and establishing of the vaccine depôt at Meiktila. A sum of Rs. 6,070-8-1 was spent on contingencies, which amount includes charges on account of equipping the depôt with furniture, etc.

The cost of each successful case was 4 annas 5 pies as against 4 annas 1 pie in 1901-02. The increase in the average cost is apparent only owing to the initial cost in establishing the vaccine depôt at Meiktila. Deducting the cost on the depôt the average cost works out to 3 annas 11 pies.

The average cost per each successful case varied from 1 rupee 11 pies in Thongwa; 14 annas 5 pies in Salween; 14 annas 4 pies in Thatôn; 10 annas 11 pies in Northern Shan States to 1 anna 5 pies in Shwebo, 1 anna 6 pies in the Lower Chindwin district and 1 anna 9 pies in Henzada.

Statement II.

9. *Percentage of cost.*—The percentage of total cost borne by Government and other funds in each of the years 1901-02 and 1902-03 is given in the margin.

The enhanced cost under Native States is due to increase in establish-

| Year.   | Government. | Municipality. | Local Funds. | Native States. |
|---------|-------------|---------------|--------------|----------------|
| 1901-02 | 25'62       | 23'12         | 50'74        | 51             |
| 1902-03 | 31'53       | 17'84         | 45'78        | 2'85           |

ment and under Government to establishing the depôt at Meiktila.

Statement III.

10. *Dispensary vaccination.*—The number of operations performed amounted to 11,263 as against 7,248 in the previous year. Of these 6,622 were primary and 4,641, re-vaccinations. The rates of success attained were 76'08 and 54'54 respectively.

Most of the towns at which dispensaries are situated employ vaccinators, which accounts for the small amount of vaccination work done at our medical institutions.

A circular was issued impressing on all Medical Officers the importance of performing dispensary vaccination whenever possible and thus to popularize vaccination as a whole.

Statement IV.

11. *Statemet No. IV.* compares the number of primary vaccinations and the number of successful primary vaccinations in each of the years of the decade ending 1902-03 by Government, Municipal, and Local Funds as well as in Native States and at dispensaries and in Cantonments. An increase is noticeable everywhere except in Local Funds.

Statement V.

12. *Inspections.*—The percentage of inspections to total number was 37 as against 36 in 1901-02.

The inspections by Native Superintendents though showing a slight improvement, are still not satisfactory.

The percentage of successes reported by vaccinators calls for no remarks.

Appendix B.

13. *Protection afforded to infants in Municipal Towns.*—Appendix B shows the protection afforded to children within Municipal limits and an improvement is evident.

14. *Lymph supply.*—A vaccine depôt for the manufacture of vaccine lymph for the whole province was started at Meiktila on the 1st February 1902 in a hired house.

The number of calves inoculated was 386. Of these 19 failed to take, 7 took so badly that they were not utilized and 18 had to be rejected after inoculation as they developed cattle disease (rinderpest and foot-and-mouth disease). From the remainder a total of 24,343 grains of lymph was collected.

This lanoline paste is distributed in collapsible leaden tubes holding on an average 20 grains each.

The quality of the lymph was on the whole satisfactory. It is tested at the depôt before distribution. Nevertheless the results as stated by Civil Surgeons are often conflicting. Thus a paste, proved active, was sent to Katha and to Thama-khan in the Southern Shan States and the reports received from Katha showed a successful result of 92 per cent. whilst at the other station it was stated to have entirely failed. Some of the identical paste was subsequently used by the Civil Surgeon, Meiktila, who obtained 100 per cent. of success.

Again, paste manufactured from one particular calf was sent to the Civil Surgeons of Meiktila, Toungoo, Myitkyina, Taunggyi and Mogôk. Reports from the four first-mentioned stations showed successful results varying from 75 to 100 per cent. while Mogôk reported total failure. The cause of failure is apparently want of skill or careless storage on the part of vaccinators.

In March and April, owing to the high temperature, the results of calf vaccination at the depôt was not as satisfactory as in the cold weather.

I visited the depôt at Meiktila on several occasions and cannot speak too highly of Captain Penny's work there. There was some difficulty at first in obtaining calves, but these he overcame with tact and management and the results attained have been on the whole satisfactory.

When the new buildings are erected the depôt will have better facilities for carrying on the work.

RANGOON :  
The 28th May 1903. }

C. C. LITTLE, COL., M.D., I.M.S.,  
*Superintendent-General of Vaccination, Burma.*

The first of the things that we should notice in the history of the United States is the fact that it is a very young country. It was founded in 1776, and has since that time been growing and developing. The second thing that we should notice is the fact that it is a very large country. It covers a vast area of land, and has a large population. The third thing that we should notice is the fact that it is a very diverse country. It has many different races and ethnic groups, and many different languages and customs. The fourth thing that we should notice is the fact that it is a very powerful country. It has a strong economy, a powerful military, and a strong influence on the world stage. The fifth thing that we should notice is the fact that it is a very democratic country. It has a system of government that is based on the principles of liberty and justice for all. The sixth thing that we should notice is the fact that it is a very peaceful country. It has a long history of peace, and has never been involved in a major war. The seventh thing that we should notice is the fact that it is a very successful country. It has achieved many great things, and has a bright future ahead of it. The eighth thing that we should notice is the fact that it is a very beautiful country. It has many beautiful landscapes, and a rich cultural heritage. The ninth thing that we should notice is the fact that it is a very kind country. Its people are friendly and helpful, and they welcome visitors from all over the world. The tenth thing that we should notice is the fact that it is a very happy country. Its people are happy and content, and they enjoy life to the fullest.

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## A.—VACCINATION

STATEMENT No. 1.—*Showing particulars of Vaccination in the*

| No. | Circles and Districts.           | Population of districts according to census of 1901. | Average population per square mile. | Average number of vaccinators employed throughout the season. | Total number of persons vaccinated. |          |         | Average number of persons vaccinated by each vaccinator. | Per Total. |
|-----|----------------------------------|------------------------------------------------------|-------------------------------------|---------------------------------------------------------------|-------------------------------------|----------|---------|----------------------------------------------------------|------------|
| 1   | 2                                | 3                                                    | 4                                   | 5                                                             | 6                                   |          |         | 7                                                        | 8          |
|     | ARAKAN DIVISION.                 |                                                      |                                     |                                                               | Males.                              | Females. | Total.  |                                                          |            |
| 1   | Akyab ... ..                     | 481,606                                              | 94                                  | 6                                                             | 5,018                               | 3,456    | 8,474   | 1,412                                                    | 7,879      |
| 2   | Hill Tracts, Northern Arakan ... | 90,642                                               | 4                                   | 1                                                             | 733                                 | 356      | 1,089   | 1,089                                                    | 1,089      |
| 3   | Kyaukpada ... ..                 | 168,827                                              | 38                                  | 6                                                             | 3,472                               | 3,013    | 6,485   | 1,081                                                    | 6,373      |
| 4   | Sandoway ... ..                  | 90,927                                               | 24                                  | 3                                                             | 1,175                               | 1,140    | 2,315   | 772                                                      | 2,315      |
|     | Total ... ..                     | 762,102                                              | 41                                  | 16                                                            | 10,498                              | 7,965    | 18,463  | 1,154                                                    | 17,656     |
|     | PEGU DIVISION.                   |                                                      |                                     |                                                               |                                     |          |         |                                                          |            |
| 5   | Rangoon ... ..                   | 234,881                                              | 12,362                              | 5                                                             | 6,324                               | 2,641    | 8,965   | 1,793                                                    | 5,110      |
| 6   | Hanthawaddy ... ..               | 484,811                                              | 160                                 | 6                                                             | 2,256                               | 2,316    | 4,572   | 762                                                      | 4,340      |
| 7   | Pegu ... ..                      | 339,572                                              | 79                                  | 8                                                             | 6,220                               | 6,302    | 12,522  | 1,565                                                    | 12,098     |
| 8   | Tharawaddy ... ..                | 395,570                                              | 139                                 | 8                                                             | 5,989                               | 5,827    | 11,816  | 1,477                                                    | 11,762     |
| 9   | Prome ... ..                     | 265,804                                              | 125                                 | 11                                                            | 11,233                              | 10,262   | 21,495  | 1,954                                                    | 20,464     |
|     | Total ... ..                     | 1,820,638                                            | 139                                 | 38                                                            | 32,022                              | 27,348   | 59,370  | 1,562                                                    | 53,774     |
|     | IRRAWADDY DIVISION.              |                                                      |                                     |                                                               |                                     |          |         |                                                          |            |
| 10  | Thongwa ... ..                   | 484,410                                              | 139                                 | 12                                                            | 2,116                               | 1,762    | 3,878   | 323                                                      | 3,207      |
| 11  | Bassein ... ..                   | 391,427                                              | 95                                  | 9                                                             | 8,225                               | 7,653    | 15,878  | 1,764                                                    | 13,120     |
| 12  | Henzada ... ..                   | 484,558                                              | 169                                 | 15                                                            | 19,614                              | 19,078   | 38,692  | 2,579                                                    | 37,778     |
| 13  | Myaungmya ... ..                 | 303,274                                              | 102                                 | 6                                                             | 6,179                               | 5,596    | 11,775  | 1,963                                                    | 11,691     |
|     | Total ... ..                     | 1,663,669                                            | 124                                 | 42                                                            | 36,134                              | 33,581   | 69,715  | 1,660                                                    | 65,896     |
|     | TENASSERIM DIVISION.             |                                                      |                                     |                                                               |                                     |          |         |                                                          |            |
| 14  | Amherst ... ..                   | 300,173                                              | 43                                  | 6                                                             | 8,162                               | 5,830    | 13,992  | 2,332                                                    | 12,965     |
| 15  | Tavoy ... ..                     | 109,979                                              | 21                                  | 5                                                             | 2,192                               | 7,313    | 16,005  | 3,201                                                    | 13,236     |
| 16  | Mergal ... ..                    | 88,744                                               | 9                                   | 3                                                             | 2,230                               | 2,017    | 4,247   | 1,416                                                    | 4,158      |
| 17  | Thabe ... ..                     | 313,510                                              | 68                                  | 7                                                             | 2,079                               | 2,152    | 4,231   | 604                                                      | 4,231      |
| 18  | Longue ... ..                    | 279,815                                              | 45                                  | 7                                                             | 5,422                               | 4,968    | 10,390  | 1,484                                                    | 10,028     |
| 19  | Salween ... ..                   | 37,837                                               | 14                                  | 1                                                             | 692                                 | 463      | 1,155   | 1,155                                                    | 1,155      |
|     | Total ... ..                     | 1,159,558                                            | 32                                  | 29                                                            | 26,677                              | 23,243   | 49,920  | 1,721                                                    | 45,672     |
|     | MANDALAY DIVISION.               |                                                      |                                     |                                                               |                                     |          |         |                                                          |            |
| 20  | Mandalay ... ..                  | 366,567                                              | 173                                 | 8                                                             | 7,793                               | 7,964    | 15,757  | 1,970                                                    | 13,187     |
| 21  | Bhamo ... ..                     | 79,515                                               | 19                                  | 2                                                             | 1,263                               | 1,507    | 2,770   | 1,385                                                    | 3,081      |
| 22  | Katha ... ..                     | 176,223                                              | 25                                  | 1                                                             | 838                                 | 974      | 1,812   | 1,812                                                    | 1,812      |
| 23  | Ruby Mines ... ..                | 87,644                                               | 16                                  | 2                                                             | 1,649                               | 1,267    | 2,916   | 1,458                                                    | 2,189      |
| 24  | Myittha ... ..                   | 67,399                                               | 6                                   | 1                                                             | 631                                 | 504      | 1,135   | 1,135                                                    | 1,135      |
|     | Total ... ..                     | 777,338                                              | 25                                  | 14                                                            | 12,783                              | 12,606   | 25,389  | 1,814                                                    | 23,377     |
|     | SAGAING DIVISION.                |                                                      |                                     |                                                               |                                     |          |         |                                                          |            |
| 25  | Shwabo ... ..                    | 295,891                                              | 51                                  | 8                                                             | 8,222                               | 9,198    | 17,420  | 2,178                                                    | 17,319     |
| 26  | Sagaing ... ..                   | 282,634                                              | 152                                 | 4                                                             | 4,265                               | 4,616    | 8,881   | 2,228                                                    | 8,646      |
| 27  | Lower Chindwin ... ..            | 276,383                                              | 79                                  | 3                                                             | 5,579                               | 6,032    | 11,611  | 3,870                                                    | 11,490     |
| 28  | Upper Chindwin ... ..            | 154,551                                              | 18                                  | 4                                                             | 4,976                               | 5,197    | 10,173  | 2,543                                                    | 9,819      |
|     | Total ... ..                     | 1,009,459                                            | 33                                  | 19                                                            | 23,042                              | 25,043   | 48,115  | 2,532                                                    | 47,274     |
|     | MINDU DIVISION.                  |                                                      |                                     |                                                               |                                     |          |         |                                                          |            |
| 29  | Thayemyo ... ..                  | 229,706                                              | 50                                  | 7                                                             | 10,737                              | 10,190   | 20,927  | 2,990                                                    | 19,155     |
| 30  | Pakokko ... ..                   | 356,189                                              | 57                                  | 3                                                             | 2,814                               | 2,476    | 5,290   | 1,763                                                    | 4,853      |
| 31  | Binnu ... ..                     | 233,377                                              | 71                                  | 6                                                             | 5,052                               | 5,358    | 10,410  | 1,735                                                    | 10,014     |
| 32  | Magwe ... ..                     | 246,708                                              | 85                                  | 6                                                             | 4,674                               | 4,530    | 9,204   | 1,534                                                    | 9,204      |
|     | Total ... ..                     | 1,072,280                                            | 63                                  | 22                                                            | 23,277                              | 22,554   | 45,831  | 2,083                                                    | 43,226     |
|     | MEIKTILA DIVISION.               |                                                      |                                     |                                                               |                                     |          |         |                                                          |            |
| 33  | Meiktila ... ..                  | 292,305                                              | 116                                 | 4                                                             | 4,619                               | 4,787    | 9,406   | 2,359                                                    | 9,406      |
| 34  | Yamethin ... ..                  | 243,197                                              | 57                                  | 7                                                             | 4,568                               | 4,530    | 9,098   | 1,285                                                    | 8,890      |
| 35  | Kyaukse ... ..                   | 141,253                                              | 111                                 | 3                                                             | 3,236                               | 3,572    | 6,778   | 2,259                                                    | 6,387      |
| 36  | Myingyan ... ..                  | 326,052                                              | 114                                 | 5                                                             | 6,140                               | 5,549    | 11,689  | 2,338                                                    | 11,360     |
|     | Total ... ..                     | 992,807                                              | 91                                  | 19                                                            | 18,563                              | 18,738   | 37,601  | 1,979                                                    | 36,045     |
|     | SHAN STATES.                     |                                                      |                                     |                                                               |                                     |          |         |                                                          |            |
| 37  | Northern Shan States ... ..      | 321,090                                              | 22                                  | 8                                                             | 3,354                               | 3,444    | 6,798   | 850                                                      | 6,798      |
| 38  | Southern Shan States ... ..      | 816,354                                              | 19                                  | 5                                                             | 4,052                               | 3,875    | 7,927   | 1,585                                                    | 7,919      |
|     | Total ... ..                     | 1,137,444                                            | 20                                  | 13                                                            | 7,406                               | 7,319    | 14,725  | 1,133                                                    | 14,717     |
|     | CHIN HILLS.                      |                                                      |                                     |                                                               |                                     |          |         |                                                          |            |
| 39  | Chin Hills ... ..                | 87,189                                               | 11                                  | 1                                                             | 706                                 | 673      | 1,379   | 1,379                                                    | 1,379      |
|     | Total ... ..                     | 87,189                                               | 11                                  | 1                                                             | 706                                 | 673      | 1,379   | 1,379                                                    | 1,379      |
|     | GRAND TOTAL ... ..               | 10,477,508                                           | 45                                  | 213                                                           | 191,410                             | 179,100  | 370,510 | 1,739                                                    | 348,007    |

NOTE.—A. PEGU.—One additional Vaccinator was sanctioned

B. SHWABO.—Three additional Vaccinators were

C. MINDU.—Three temporary hands were engaged

D. MAGWE.—Two additional Vaccinators were

E. MEIKTILA.—Two temporary Vaccinators were engaged for the greater part of

F. YAMETHIN.—Two additional Vaccinators

\* Average for three years as figures are available only

† No figures under columns 9, 10, 11, 14 and 15 are available. The Civil Surgeon

## DEPARTMENT.

Province of Burma during the year 1902-03—(Paras 1 to 6).

| MAY VACCINATION. |                               |                    | REVACCINATION. |              | PERCENTAGE OF SUCCESSFUL CASES. |                 | Persons successfully vaccinated per 1,000 of population. | AVERAGE NUMBER OF PERSONS SUCCESSFULLY VACCINATED DURING PREVIOUS FIVE YEARS. |                  | AVERAGE ANNUAL NUMBER OF DEATHS FROM SMALL-POX DURING PREVIOUS FIVE YEARS. |                  |
|------------------|-------------------------------|--------------------|----------------|--------------|---------------------------------|-----------------|----------------------------------------------------------|-------------------------------------------------------------------------------|------------------|----------------------------------------------------------------------------|------------------|
| Successful.      |                               |                    | Total.         | Success-ful. | Primary.                        | Revac-cination. |                                                          | Number.                                                                       | Ratio per 1,000. | Number.                                                                    | Ratio per 1,000. |
| Under one year.  | Over one and under six years. | Total of all ages. |                |              |                                 |                 |                                                          |                                                                               |                  |                                                                            |                  |
| 9                | 10                            | 11                 | 12             | 13           | 14                              | 15              | 16                                                       | 17                                                                            | 18               | 19                                                                         | 20               |
| 1,712            | 4,330                         | 7,337              | 595            | 472          | 93.12                           | 79.33           | 16.21                                                    | 7,607                                                                         | 15.79            | 9                                                                          | .02              |
| 24               | 225                           | 1,012              | ...            | ...          | 95.68                           | ...             | 50.38                                                    | 1,123                                                                         | 54.30            | ...                                                                        | ...              |
| 1,486            | 3,668                         | 5,850              | 212            | 194          | 91.79                           | 91.51           | 35.80                                                    | 9,368                                                                         | 55.49            | 91                                                                         | .54              |
| 351              | 1,028                         | 1,883              | ...            | ...          | 81.34                           | ...             | 20.71                                                    | 12,383                                                                        | 133.11           | 12                                                                         | .13              |
| 3,573            | 9,251                         | 16,112             | 807            | 666          | 91.16                           | 82.53           | 22.02                                                    | 30,383                                                                        | 39.87            | 112                                                                        | .15              |
| 1,740            | 788                           | 2,578              | 3,855          | 1,703        | 50.45                           | 44.18           | 18.23                                                    | 6,060                                                                         | 28.35            | 257                                                                        | 1.09             |
| 324              | 2,573                         | 3,315              | 232            | 164          | 76.61                           | 70.69           | 7.20                                                     | 14,792                                                                        | 30.51            | 362                                                                        | .75              |
| 1,831            | 6,855                         | 10,851             | 424            | 335          | 89.69                           | 79.01           | 32.94                                                    | 11,195                                                                        | 32.97            | 371                                                                        | 1.09             |
| 1,951            | 5,631                         | 8,296              | 54             | 33           | 70.53                           | 61.11           | 21.06                                                    | 17,024                                                                        | 43.04            | 619                                                                        | 1.31             |
| 3,290            | 12,416                        | 19,015             | 1,031          | 396          | 92.92                           | 38.41           | 53.06                                                    | 24,446                                                                        | 66.83            | 86                                                                         | .23              |
| 9,186            | 22,263                        | 41,065             | 5,596          | 2,631        | 81.94                           | 47.02           | 25.65                                                    | 74,117                                                                        | 40.71            | 1,595                                                                      | .68              |
| 919              | 2,475                         | 3,550              | 61             | 52           | 90.86                           | 85.25           | 7.44                                                     | 17,649                                                                        | 36.43            | 423                                                                        | 1.00             |
| 2,378            | 7,105                         | 12,140             | 2,160          | 896          | 92.53                           | 41.48           | 33.30                                                    | 15,683                                                                        | 40.07            | 166                                                                        | .42              |
| 7,357            | 19,343                        | 34,811             | 914            | 524          | 92.15                           | 57.33           | 72.92                                                    | 35,956                                                                        | 74.20            | 190                                                                        | .39              |
| 2,629            | 4,793                         | 10,354             | 634            | 249          | 93.35                           | 36.40           | 34.96                                                    | 7,193                                                                         | 23.72            | 251                                                                        | .83              |
| 13,093           | 33,716                        | 60,855             | 3,819          | 1,721        | 92.35                           | 45.06           | 37.61                                                    | 76,481                                                                        | 45.97            | 1,030                                                                      | .62              |
| 2,902            | 5,026                         | 11,888             | 1,027          | 269          | 91.69                           | 26.19           | 40.50                                                    | 19,575                                                                        | 61.88            | 186                                                                        | .62              |
| 2,261            | 6,182                         | 10,683             | 2,769          | 586          | 80.71                           | 21.16           | 102.47                                                   | 15,635                                                                        | 136.89           | 182                                                                        | 1.65             |
| 665              | 1,427                         | 3,117              | 89             | 8            | 74.96                           | 8.99            | 35.21                                                    | 5,303                                                                         | 69.76            | 107                                                                        | 1.21             |
| 1,313            | 1,412                         | 3,179              | ...            | ...          | 75.14                           | ...             | 9.25                                                     | 16,467                                                                        | 47.94            | 221                                                                        | .80              |
| 5,557            | 3,253                         | 9,576              | 362            | 222          | 95.49                           | 61.33           | 35.08                                                    | 11,004                                                                        | 39.40            | 145                                                                        | .52              |
| 12               | 141                           | 518                | 1              | ...          | 49.15                           | ...             | 13.69                                                    | 586                                                                           | 26.06            | ...                                                                        | ...              |
| 12,710           | 16,441                        | 38,961             | 4,248          | 1,035        | 85.31                           | 25.54           | 34.54                                                    | 67,390                                                                        | 58.12            | 842                                                                        | .73              |
| 7,745            | 3,969                         | 12,770             | 2,570          | 1,616        | 96.84                           | 62.88           | 39.25                                                    | 16,511                                                                        | 45.05            | 25                                                                         | .07              |
| 1,074            | 1,170                         | 2,625              | 379            | 213          | 85.20                           | 56.20           | 35.69                                                    | 2,668                                                                         | 33.93            | ...                                                                        | ...              |
| 236              | 1,067                         | 1,576              | ...            | ...          | 94.15                           | ...             | 9.68                                                     | 2,009                                                                         | 11.40            | ...                                                                        | ...              |
| 832              | 1,193                         | 2,853              | 18             | 12           | 89.45                           | 65.67           | 32.67                                                    | 3,183                                                                         | 36.39            | ...                                                                        | ...              |
| 266              | 519                           | 976                | 47             | 39           | 88.09                           | 82.18           | 15.06                                                    | 788                                                                           | 11.09            | ...                                                                        | ...              |
| 10,093           | 7,918                         | 20,930             | 3,014          | 1,880        | 93.43                           | 61.34           | 29.34                                                    | 26,189                                                                        | 32.40            | 25                                                                         | .03              |
| 2,686            | 10,345                        | 15,127             | 101            | 71           | 87.34                           | 70.30           | 52.97                                                    | 17,215                                                                        | 60.01            | *16                                                                        | .06              |
| 3,640            | 3,018                         | 6,658              | 265            | 143          | 77.01                           | 53.96           | 24.66                                                    | 9,705                                                                         | 34.33            | *61                                                                        | .22              |
| 2,404            | 6,745                         | 9,548              | 121            | 76           | 80.58                           | 62.81           | 36.27                                                    | 8,142                                                                         | 29.46            | *177                                                                       | .64              |
| 956              | 5,016                         | 8,053              | 354            | 104          | 81.83                           | 29.38           | 52.65                                                    | 6,516                                                                         | 42.16            | ...                                                                        | ...              |
| 9,686            | 25,125                        | 39,768             | 841            | 394          | 84.12                           | 46.85           | 40.14                                                    | 41,578                                                                        | 41.56            | 254                                                                        | ...              |
| 1,891            | 10,337                        | 17,796             | 1,772          | 1,308        | 92.91                           | 73.81           | 79.70                                                    | 19,524                                                                        | 81.45            | 84                                                                         | .35              |
| 1,883            | 1,651                         | 3,853              | 437            | 71           | 79.89                           | 16.25           | 11.01                                                    | 6,860                                                                         | 19.24            | *478                                                                       | 1.34             |
| 2,826            | 4,882                         | 8,423              | 396            | 233          | 84.11                           | 58.84           | 37.09                                                    | 6,341                                                                         | 27.17            | *285                                                                       | 1.22             |
| 2,956            | 4,257                         | 8,797              | ...            | ...          | 95.58                           | ...             | 35.66                                                    | 7,704                                                                         | 31.23            | *325                                                                       | 1.32             |
| 9,556            | 21,127                        | 38,869             | 2,605          | 1,612        | 89.69                           | 61.88           | 37.61                                                    | 46,429                                                                        | 37.56            | 1,172                                                                      | ...              |
| 749              | 6,497                         | 8,189              | 28             | 15           | 87.04                           | 53.57           | 32.52                                                    | 3,772                                                                         | 14.95            | *14                                                                        | .06              |
| 2,905            | 4,185                         | 8,259              | 508            | 104          | 92.90                           | 20.47           | 34.39                                                    | 8,339                                                                         | 34.29            | *103                                                                       | .42              |
| 2,867            | 1,970                         | 5,145              | 391            | 109          | 80.55                           | 27.88           | 37.29                                                    | 6,128                                                                         | 43.38            | *1                                                                         | .01              |
| 2,230            | 6,620                         | 10,159             | 629            | 322          | 92.07                           | 51.19           | 30.28                                                    | 10,339                                                                        | 29.04            | *205                                                                       | .74              |
| 8,751            | 19,272                        | 32,062             | 1,556          | 550          | 88.92                           | 35.35           | 32.84                                                    | 28,578                                                                        | 28.79            | 383                                                                        | ...              |
| 245              | 3,173                         | 5,125              | ...            | ...          | 75.29                           | ...             | 15.95                                                    | 2,567                                                                         | 7.99             | ...                                                                        | ...              |
| 1,681            | 3,090                         | 6,514              | 8              | ...          | 82.26                           | ...             | 7.98                                                     | 3,710                                                                         | 4.54             | ...                                                                        | ...              |
| 2,026            | 6,253                         | 11,639             | 8              | ...          | 79.09                           | ...             | 10.23                                                    | 6,277                                                                         | 5.52             | ...                                                                        | ...              |
| ...              | ...                           | ...                | 9              | ...          | ...                             | ...             | ...                                                      | ...                                                                           | ...              | ...                                                                        | ...              |
| ...              | ...                           | ...                | 9              | ...          | ...                             | ...             | ...                                                      | ...                                                                           | ...              | ...                                                                        | ...              |
| 78,674           | 167,376                       | 303,251            | 22,503         | 10,839       | 87.14                           | 46.83           | 29.95                                                    | 390,422                                                                       | 37.26            | ...                                                                        | ...              |

for Nyaunglebin town from 1st February 1903.  
 sanctioned from 1st February 1903.  
 for the greater part of the year.  
 sanctioned and entertained from 1st March 1903.  
 the year. The establishment was increased by three Vaccinators from 1st March 1903.  
 were sanctioned from 1st March 1903.  
 since 1809 when registration of deaths in districts of Upper Burma was enforced.  
 under a misapprehension did not require his vaccinator to verify cases performed by him,

## A.—VACCINATION

STATEMENT NO. II.—*Showing the cost of the Department in the*

| No.                         | Circle and Districts.                | EXPENDITURE.                       |           |                                  |            |              |             |         |           |           |            |                                |
|-----------------------------|--------------------------------------|------------------------------------|-----------|----------------------------------|------------|--------------|-------------|---------|-----------|-----------|------------|--------------------------------|
|                             |                                      | European super-<br>vising officer. | Pay.      | Native super-<br>vising officer. | Pay.       | Vaccinators. | Pay.        | Clerks. | Pay.      | Fees, &c. | Pay.       | Total pay of<br>establishment. |
| 1                           | 2                                    | 3                                  | 4         | 5                                | 6          | 7            | 8           | 9       | 10        | 11        | 12         | 13                             |
| <b>ARAKAN DIVISION.</b>     |                                      |                                    |           |                                  |            |              |             |         |           |           |            |                                |
|                             |                                      |                                    | Rs. A. P. |                                  | Rs. A. P.  |              | Rs. A. P.   |         | Rs. A. P. |           | Rs. A. P.  | Rs. A. P.                      |
| 1                           | Akyab                                | ...                                | ...       | 2                                | 900 0 0    | 6            | 1,814 15 10 | ...     | ...       | ...       | ...        | 2,714 15 10                    |
| 2                           | Hill Tracts, Northern Arakan         | ...                                | ...       | ...                              | ...        | 1            | 240 0 0     | ...     | ...       | ...       | ...        | 240 0 0                        |
| 3                           | Kyaukpada                            | ...                                | ...       | ...                              | ...        | 6            | 1,441 0 0   | ...     | ...       | ...       | ...        | 1,441 0 0                      |
| 4                           | Sandoway                             | ...                                | ...       | ...                              | ...        | 3            | 853 0 0     | ...     | ...       | ...       | ...        | 853 0 0                        |
|                             | <b>Total</b>                         | ...                                | ...       | 2                                | 900 0 0    | 16           | 4,328 15 10 | ...     | ...       | ...       | ...        | 5,228 15 10                    |
| <b>PEGU DIVISION.</b>       |                                      |                                    |           |                                  |            |              |             |         |           |           |            |                                |
| 5                           | Rangoon Vaccine Depot                | ...                                | ...       | ...                              | ...        | ...          | ...         | ...     | ...       | 3         | 432 0 0    | 432 0 0                        |
| 6                           | Rangoon                              | ...                                | ...       | ...                              | ...        | 5            | 2,693 3 7   | ...     | ...       | ...       | ...        | 2,693 3 7                      |
| 7                           | Hanthawaddy                          | ...                                | ...       | 1                                | 600 0 0    | 6            | 1,012 2 1   | ...     | ...       | ...       | ...        | 1,612 2 1                      |
| 8                           | Pegu                                 | ...                                | ...       | ...                              | ...        | 8            | 1,924 15 7  | ...     | ...       | ...       | ...        | 1,924 15 7                     |
| 9                           | Tharrawaddy                          | ...                                | ...       | 1                                | 464 8 3    | 8            | 1,917 7 9   | ...     | ...       | ...       | ...        | 2,382 0 0                      |
| 10                          | Prome                                | ...                                | ...       | ...                              | ...        | 11           | 2,906 8 1   | ...     | ...       | ...       | ...        | 2,906 8 1                      |
|                             | <b>Total</b>                         | ...                                | ...       | 2                                | 1,064 8 3  | 38           | 10,483 5 1  | ...     | ...       | 3         | 432 0 0    | 11,949 13 4                    |
| <b>IRRAWADDY DIVISION.</b>  |                                      |                                    |           |                                  |            |              |             |         |           |           |            |                                |
| 11                          | Thongwa                              | ...                                | ...       | ...                              | ...        | 12           | 3,003 1 0   | ...     | ...       | ...       | ...        | 3,003 1 0                      |
| 12                          | Bassein                              | ...                                | ...       | 2                                | 713 0 0    | 9            | 2,222 12 11 | ...     | ...       | ...       | ...        | 2,935 12 11                    |
| 13                          | Henzada                              | ...                                | ...       | ...                              | ...        | 15           | 3,618 11 4  | ...     | ...       | ...       | ...        | 3,618 11 4                     |
| 14                          | Myaungmya                            | ...                                | ...       | ...                              | ...        | 6            | 1,075 0 0   | ...     | ...       | ...       | ...        | 1,075 0 0                      |
|                             | <b>Total</b>                         | ...                                | ...       | 2                                | 713 0 0    | 42           | 10,619 9 9  | ...     | ...       | ...       | ...        | 11,332 9 9                     |
| <b>TENASSERIM DIVISION.</b> |                                      |                                    |           |                                  |            |              |             |         |           |           |            |                                |
| 15                          | Amherst                              | ...                                | ...       | 2                                | 1,118 1 2  | 6            | 1,896 9 4   | 1       | 80 0 0    | ...       | ...        | 3,094 10 6                     |
| 16                          | Tavoy                                | ...                                | ...       | ...                              | ...        | 5            | 1,410 3 5   | ...     | ...       | ...       | ...        | 1,410 3 5                      |
| 17                          | Mergal                               | ...                                | ...       | ...                              | ...        | 3            | 780 0 0     | ...     | ...       | ...       | ...        | 780 0 0                        |
| 18                          | Thaon                                | ...                                | ...       | 1                                | 380 6 2    | 7            | 1,821 0 0   | ...     | ...       | ...       | ...        | 2,201 6 2                      |
| 19                          | Toungoo                              | ...                                | ...       | 1                                | 480 0 0    | 7            | 1,542 0 0   | ...     | ...       | ...       | ...        | 2,022 0 0                      |
| 20                          | Salween Hill Tracts                  | ...                                | ...       | ...                              | ...        | 1            | 390 0 0     | ...     | ...       | ...       | ...        | 390 0 0                        |
|                             | <b>Total</b>                         | ...                                | ...       | 4                                | 1,978 7 4  | 29           | 7,839 12 9  | 1       | 80 0 0    | ...       | ...        | 9,898 4 1                      |
| <b>MANDALAY DIVISION.</b>   |                                      |                                    |           |                                  |            |              |             |         |           |           |            |                                |
| 21                          | Mandalay                             | ...                                | ...       | 1                                | 800 0 0    | 8            | 2,618 14 7  | ...     | ...       | ...       | ...        | 3,418 14 7                     |
| 22                          | Bhamo                                | ...                                | ...       | ...                              | ...        | 2            | 393 2 0     | ...     | ...       | ...       | ...        | 393 2 0                        |
| 23                          | Katha                                | ...                                | ...       | ...                              | ...        | 1            | 166 3 7     | ...     | ...       | ...       | ...        | 166 3 7                        |
| 24                          | Ruby Mines                           | ...                                | ...       | ...                              | ...        | 2            | 620 0 0     | ...     | ...       | ...       | ...        | 620 0 0                        |
| 25                          | Myitkyna                             | ...                                | ...       | ...                              | ...        | 1            | 345 3 1     | ...     | ...       | ...       | ...        | 345 3 1                        |
|                             | <b>Total</b>                         | ...                                | ...       | 1                                | 600 0 0    | 14           | 4,173 7 3   | ...     | ...       | ...       | ...        | 4,773 7 3                      |
| <b>SAGAING DIVISION.</b>    |                                      |                                    |           |                                  |            |              |             |         |           |           |            |                                |
| 26                          | Shwebo                               | ...                                | ...       | ...                              | ...        | 8            | 1,040 12 1  | ...     | ...       | ...       | ...        | 1,040 12 1                     |
| 27                          | Sagaing                              | ...                                | ...       | ...                              | ...        | 4            | 780 0 0     | ...     | ...       | ...       | ...        | 780 0 0                        |
| 28                          | Lower Chindwin                       | ...                                | ...       | ...                              | ...        | 3            | 736 8 9     | ...     | ...       | ...       | ...        | 736 8 9                        |
| 29                          | Upper Chindwin                       | ...                                | ...       | ...                              | ...        | 4            | 865 13 4    | ...     | ...       | ...       | ...        | 865 13 4                       |
|                             | <b>Total</b>                         | ...                                | ...       | ...                              | ...        | 19           | 3,423 2 2   | ...     | ...       | ...       | ...        | 3,423 2 2                      |
| <b>MIMBU DIVISION.</b>      |                                      |                                    |           |                                  |            |              |             |         |           |           |            |                                |
| 30                          | Thayetmyo                            | ...                                | ...       | ...                              | ...        | 7            | 2,122 8 0   | ...     | ...       | ...       | ...        | 2,122 8 0                      |
| 31                          | Pakokku                              | ...                                | ...       | ...                              | ...        | 3            | 469 0 0     | ...     | ...       | ...       | ...        | 469 0 0                        |
| 32                          | Mimbu                                | ...                                | ...       | ...                              | ...        | 6            | 1,245 3 0   | ...     | ...       | ...       | ...        | 1,245 3 0                      |
| 33                          | Magwe                                | ...                                | ...       | 1                                | 120 0 0    | 6            | 907 0 0     | ...     | ...       | ...       | ...        | 1,027 0 0                      |
|                             | <b>Total</b>                         | ...                                | ...       | 1                                | 120 0 0    | 22           | 4,739 11 0  | ...     | ...       | ...       | ...        | 4,918 11 0                     |
| <b>MEIKTILA DIVISION.</b>   |                                      |                                    |           |                                  |            |              |             |         |           |           |            |                                |
| 34                          | Meiktilla Vaccine Depot.             | ...                                | ...       | 1                                | 900 0 0    | ...          | ...         | 1       | 624 10 9  | 6         | 878 15 1   | 2,303 9 10                     |
| 35                          | Meiktilla                            | ...                                | ...       | ...                              | ...        | 4            | 844 4 5     | ...     | ...       | ...       | ...        | 844 4 5                        |
| 36                          | Yamethin                             | ...                                | ...       | 1                                | 60 0 0     | 7            | 1,135 11 10 | ...     | ...       | ...       | ...        | 1,195 11 10                    |
| 37                          | Kyaukse                              | ...                                | ...       | ...                              | ...        | 3            | 691 0 0     | ...     | ...       | ...       | ...        | 691 0 0                        |
| 38                          | Nyinyan                              | ...                                | ...       | ...                              | ...        | 5            | 1,056 0 0   | ...     | ...       | ...       | ...        | 1,056 0 0                      |
|                             | <b>Total</b>                         | ...                                | ...       | 2                                | 960 0 0    | 19           | 3,730 0 3   | 1       | 624 10 9  | 6         | 878 15 1   | 6,093 10 1                     |
| <b>SHAN STATES.</b>         |                                      |                                    |           |                                  |            |              |             |         |           |           |            |                                |
| 39                          | Northern Shan States                 | ...                                | ...       | 1                                | 300 0 0    | 8            | 1,947 13 9  | ...     | ...       | ...       | ...        | 2,247 13 9                     |
| 40                          | Southern Shan States                 | ...                                | ...       | ...                              | ...        | 5            | 1,117 12 5  | ...     | ...       | ...       | ...        | 1,117 12 5                     |
|                             | <b>Total</b>                         | ...                                | ...       | 1                                | 300 0 0    | 13           | 3,065 10 2  | ...     | ...       | ...       | ...        | 3,365 10 2                     |
| <b>CHIN HILLS.</b>          |                                      |                                    |           |                                  |            |              |             |         |           |           |            |                                |
| 41                          | Chin Hills                           | ...                                | ...       | ...                              | ...        | 1            | 300 0 0     | ...     | ...       | ...       | ...        | 300 0 0                        |
|                             | <b>Total</b>                         | ...                                | ...       | ...                              | ...        | 1            | 300 0 0     | ...     | ...       | ...       | ...        | 300 0 0                        |
|                             | <b>GRAND TOTAL for the Province.</b> | ...                                | ...       | 15                               | 6,635 15 7 | 113          | 52,727 10 3 | 2       | 604 10 9  | 9         | 1,310 15 1 | 61,479 3 8                     |

## DEPARTMENT

Province of Burma during the year 1902-03 (Paras. 8 and 9).

| Travelling allowance. | Contingencies. | Total cost.  | PAID FROM       |                   |              |                 |                | Total.       | Number of all successful vaccinations and re-vaccinations. | Average cost of each successful case. |
|-----------------------|----------------|--------------|-----------------|-------------------|--------------|-----------------|----------------|--------------|------------------------------------------------------------|---------------------------------------|
|                       |                |              | Imperial funds. | Provincial funds. | Local funds. | Municipalities. | Native States. |              |                                                            |                                       |
| 14                    | 15             | 16           | 17              | 18                | 19           | 20              | 21             | 22           | 23                                                         | 24                                    |
| Rs. A. P.             | Rs. A. P.      | Rs. A. P.    | Rs. A. P.       | Rs. A. P.         | Rs. A. P.    | Rs. A. P.       | Rs. A. P.      | Rs. A. P.    |                                                            | Rs. A. P.                             |
| 632 8 6               | 101 10 2       | 3,449 2 6    | .....           | 306 14 0          | 2,731 10 4   | 410 10 2        | .....          | 3,449 2 6    | 7,809                                                      | 0 7 1                                 |
| 65 14 0               | .....          | 306 14 0     | .....           | 306 14 0          | .....        | .....           | .....          | 306 14 0     | 1,042                                                      | 0 4 8                                 |
| 326 12 0              | .....          | 1,837 12 0   | .....           | .....             | 1,717 0 0    | 120 12 0        | .....          | 1,837 12 0   | 6,044                                                      | 0 4 10                                |
| 402 9 0               | .....          | 1,235 9 0    | .....           | .....             | 1,175 9 0    | 60 0 0          | .....          | 1,235 9 0    | 1,883                                                      | 0 10 6                                |
| 1,497 11 6            | 101 10 2       | 6,828 5 6    | .....           | 612 12 0          | 5,624 3 4    | 591 6 2         | .....          | 6,828 5 6    | 16,778                                                     | 0 6 6                                 |
| .....                 | 909 6 10       | 1,341 6 10   | .....           | 490 0 0           | .....        | 851 6 10        | .....          | 1,341 6 10   | .....                                                      | .....                                 |
| .....                 | 116 5 0        | 2,809 8 7    | .....           | 330 0 0           | .....        | 2,479 8 7       | .....          | 2,809 8 7    | 4,281                                                      | 0 10 6                                |
| 427 0 6               | 20 3 0         | 2,009 5 7    | .....           | .....             | 2,009 5 7    | .....           | .....          | 2,009 5 7    | 5,439                                                      | 0 9 5                                 |
| 725 8 10              | .....          | 2,650 8 5    | .....           | .....             | 2,353 8 5    | 298 0 0         | .....          | 2,650 8 5    | 11,186                                                     | 0 3 9                                 |
| 683 12 8              | 113 10 0       | 3,179 6 8    | .....           | .....             | 2,312 8 8    | 866 14 0        | .....          | 3,179 6 8    | 8,329                                                      | 0 6 1                                 |
| 933 13 0              | .....          | 3,809 5 1    | .....           | .....             | 3,219 14 8   | 589 6 5         | .....          | 3,809 5 1    | 19,411                                                     | 0 3 2                                 |
| 2,740 3 0             | 1,159 8 10     | 15,849 9 2   | .....           | 820 0 0           | 9,954 5 4    | 5,075 3 10      | .....          | 15,849 9 2   | 46,096                                                     | 0 5 5                                 |
| 811 12 0              | .....          | 3,814 13 0   | .....           | .....             | 3,457 5 0    | 357 8 0         | .....          | 3,814 13 0   | 3,602                                                      | 1 0 11                                |
| 1,000 9 10            | 51 13 0        | 3,988 3 9    | .....           | .....             | 3,100 8 4    | 887 11 5        | .....          | 3,988 3 9    | 13,036                                                     | 0 4 11                                |
| 405 5 0               | 5 0 0          | 3,818 11 4   | .....           | .....             | 2,954 11 4   | 1,454 0 0       | .....          | 3,818 11 4   | 35,335                                                     | 0 1 9                                 |
| .....                 | .....          | 1,955 5 6    | .....           | .....             | 1,955 5 6    | .....           | .....          | 1,955 5 6    | 10,603                                                     | 0 3 0                                 |
| 2,217 10 10           | 56 13 0        | 13,607 1 7   | .....           | .....             | 10,907 14 2  | 2,699 3 5       | .....          | 13,607 1 7   | 62,576                                                     | 0 3 6                                 |
| 822 12 0              | 269 14 0       | 4,187 6      | .....           | .....             | 3,070 7 4    | 1,116 13 2      | .....          | 4,187 6      | 12,157                                                     | 0 5 6                                 |
| 302 12 0              | .....          | 1,712 1 5    | .....           | .....             | 1,232 15 5   | 480 0 0         | .....          | 1,712 15 5   | 11,269                                                     | 0 2 5                                 |
| 286 13 10             | 32 15 0        | 1,099 1 10   | .....           | .....             | 859 12 10    | 240 0 0         | .....          | 1,099 12 10  | 3,125                                                      | 0 5 8                                 |
| 650 5 0               | .....          | 2,851 11 2   | .....           | .....             | 2,431 11 2   | 420 0 0         | .....          | 2,851 11 2   | 3,179                                                      | 0 14 4                                |
| 773 3 6               | .....          | 2,795 3 6    | .....           | .....             | 2,326 3 6    | 469 0 0         | .....          | 2,795 3 6    | 9,798                                                      | 0 4 7                                 |
| 76 2 0                | .....          | 466 2 0      | .....           | .....             | 466 2 0      | .....           | .....          | 466 2 0      | 518                                                        | 0 14 5                                |
| 2,912 0 4             | 392 13 0       | 13,113 1 5   | .....           | .....             | 10,387 4 3   | 2,725 13 2      | .....          | 13,113 1 5   | 40,046                                                     | 0 5 3                                 |
| 352 13 0              | 469 15 9       | 4,071 11 4   | .....           | 1,853 1 8         | .....        | 2,218 9 8       | .....          | 4,071 11 4   | 14,386                                                     | 0 4 6                                 |
| 164 9 0               | 5 4 0          | 562 15 0     | .....           | 407 5 0           | .....        | 155 10 0        | .....          | 562 15 0     | 2,538                                                      | 0 3 2                                 |
| 108 6 0               | 1 0 0          | 275 9 7      | .....           | 275 9 7           | .....        | .....           | .....          | 275 9 7      | 1,706                                                      | 0 2 7                                 |
| 129 2 5               | .....          | 749 2 5      | .....           | 429 2 5           | .....        | .....           | 320 0 0        | 749 2 5      | 2,565                                                      | 0 4 2                                 |
| 106 2 6               | 2 7 0          | 453 12 7     | .....           | 453 12 7          | .....        | .....           | .....          | 453 12 7     | 1,015                                                      | 0 7 2                                 |
| 861 0 11              | 478 10 9       | 6,113 2 11   | .....           | 3,418 15 3        | .....        | 2,374 3 8       | 320 0 0        | 6,113 2 11   | 22,310                                                     | 0 4 3                                 |
| 304 9 0               | 13 15 0        | 1,359 4 1    | .....           | 1,156 4 1         | .....        | 203 0 0         | .....          | 1,359 4 1    | 15,198                                                     | 0 1 5                                 |
| 371 4 0               | .....          | 1,151 4 0    | .....           | 911 4 0           | .....        | 240 0 0         | .....          | 1,151 4 0    | 6,801                                                      | 0 2 9                                 |
| 179 1 0               | 43 12 0        | 959 5 9      | .....           | 696 5 9           | .....        | 263 0 0         | .....          | 959 5 9      | 10,024                                                     | 0 1 6                                 |
| 264 12 8              | 22 2 6         | 1,142 12 6   | .....           | 1,142 12 6        | .....        | .....           | .....          | 1,142 12 6   | 8,139                                                      | 0 2 3                                 |
| 1,109 10 8            | 79 13 6        | 4,612 10 4   | .....           | 3,906 10 4        | .....        | 706 0 0         | .....          | 4,612 10 4   | 40,162                                                     | 0 1 10                                |
| 644 13 0              | 18 1 0         | 2,785 6 0    | .....           | .....             | 2,180 2 0    | 605 4 0         | .....          | 2,785 6 0    | 19,104                                                     | 0 2 4                                 |
| 173 2 0               | 102 12 6       | 744 14 6     | .....           | 516 10 6          | .....        | 228 4 0         | .....          | 744 14 6     | 3,924                                                      | 0 3 0                                 |
| 210 2 0               | 41 13 0        | 1,497 2 0    | .....           | 884 9 0           | .....        | 612 9 0         | .....          | 1,497 2 0    | 8,656                                                      | 0 2 9                                 |
| 235 8 0               | 47 4 0         | 1,369 12 0   | .....           | 819 12 0          | 260 0 0      | 300 0 0         | .....          | 1,369 12 0   | 8,797                                                      | 0 2 6                                 |
| 1,263 9 0             | 209 14 6       | 6,387 2 6    | .....           | 2,220 15 6        | 2,420 2 0    | 1,746 1 0       | .....          | 6,387 2 6    | 40,481                                                     | 0 2 6                                 |
| .....                 | 6,070 8 1      | 8,374 1 11   | .....           | 8,374 1 11        | .....        | .....           | .....          | 8,374 1 11   | .....                                                      | .....                                 |
| 506 5 9               | .....          | 1,350 10 2   | .....           | 1,350 10 2        | .....        | .....           | .....          | 1,350 10 2   | 8,204                                                      | 0 2 8                                 |
| 318 9 6               | 34 2 0         | 1,531 7 4    | .....           | 931 7 4           | .....        | 600 0 0         | .....          | 1,531 7 4    | 8,263                                                      | 0 3 0                                 |
| 325 5 0               | .....          | 1,016 5 0    | .....           | 1,016 5 0         | .....        | .....           | .....          | 1,016 5 0    | 5,254                                                      | 0 3 1                                 |
| 342 5 0               | 79 0 5         | 1,477 5 5    | .....           | 957 14 1          | .....        | 509 7 4         | .....          | 1,477 5 5    | 10,781                                                     | 0 2 2                                 |
| 1,492 9 3             | 6,143 10 6     | 13,769 13 10 | .....           | 12,665 6 6        | .....        | 1,109 7 4       | .....          | 13,769 13 10 | 32,602                                                     | 0 6 9                                 |
| 1,178 6 6             | 70 8 0         | 3,496 12 3   | .....           | 1,573 15 6        | .....        | .....           | 2,122 12 9     | 3,496 12 3   | 5,125                                                      | 0 10 11                               |
| 518 0 0               | 49 3 3         | 1,684 15 8   | .....           | .....             | .....        | .....           | .....          | 1,684 15 8   | 6,514                                                      | 4 0 2                                 |
| 1,696 6 6             | 119 11 3       | 5,181 11 11  | .....           | 3,058 15 2        | .....        | .....           | 2,122 12 9     | 5,181 11 11  | 11,639                                                     | 0 7 1                                 |
| 66 0 0                | .....          | 366 0 0      | .....           | 366 0 0           | .....        | .....           | .....          | 366 0 0      | .....                                                      | .....                                 |
| 66 0 0                | .....          | 366 0 0      | .....           | 366 0 0           | .....        | .....           | .....          | 366 0 0      | .....                                                      | .....                                 |
| 15,566 14 0           | 8,092 9 6      | 85,828 11 2  | 3,424 15 2      | 23,833 11 7       | 39,293 13 1  | 17,027 6 7      | 2,442 12 9     | 85,828 11 2  | 313,790                                                    | 0 4 6                                 |

B.—DISPENSARY

STATEMENT NO. III.—*Showing Dispensary Vaccination in the*

| No.                         | District.                       | Number of dispensaries in each district to which a vaccinator is attached. | Average number of vaccinators attached to dispensaries during the season. | Total number of persons vaccinated. | Average number of persons vaccinated by each vaccinator. |
|-----------------------------|---------------------------------|----------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------|
| 1                           | 2                               | 3                                                                          | 4                                                                         | 5                                   | 6                                                        |
| <b>ARAKAN DIVISION.</b>     |                                 |                                                                            |                                                                           |                                     |                                                          |
| 1                           | Akyab ...                       | ...                                                                        | ...                                                                       | 13                                  | ...                                                      |
| 2                           | Hill Tracts, Northern Arakan... | ...                                                                        | ...                                                                       | 95                                  | ...                                                      |
| 3                           | Kyaukpada                       | ...                                                                        | ...                                                                       | 167                                 | ...                                                      |
| 4                           | Sandoway                        | ...                                                                        | ...                                                                       | ...                                 | ...                                                      |
|                             | Total                           | ...                                                                        | ...                                                                       | 275                                 | ...                                                      |
| <b>PEGU DIVISION.</b>       |                                 |                                                                            |                                                                           |                                     |                                                          |
| 5                           | Rangoon ...                     | ...                                                                        | ...                                                                       | 1,847                               | ...                                                      |
| 6                           | Hanthawaddy                     | ...                                                                        | ...                                                                       | 653                                 | ...                                                      |
| 7                           | Pegu ...                        | ...                                                                        | ...                                                                       | 426                                 | ...                                                      |
| 8                           | Tharrawaddy                     | ...                                                                        | ...                                                                       | 92                                  | ...                                                      |
| 9                           | Prome ...                       | ...                                                                        | ...                                                                       | ...                                 | ...                                                      |
|                             | Total                           | ...                                                                        | ...                                                                       | 2,953                               | ...                                                      |
| <b>IRRAWADDY DIVISION.</b>  |                                 |                                                                            |                                                                           |                                     |                                                          |
| 10                          | Thongwa ...                     | ...                                                                        | ...                                                                       | 273                                 | ...                                                      |
| 11                          | Bassein ...                     | ...                                                                        | ...                                                                       | 7                                   | ...                                                      |
| 12                          | Henzada                         | ...                                                                        | ...                                                                       | 481                                 | ...                                                      |
| 13                          | Myaungmya                       | ...                                                                        | ...                                                                       | 1,617                               | ...                                                      |
|                             | Total                           | ...                                                                        | ...                                                                       | 3,078                               | ...                                                      |
| <b>TENASSERIM DIVISION.</b> |                                 |                                                                            |                                                                           |                                     |                                                          |
| 14                          | Amherst...                      | ...                                                                        | ...                                                                       | 762                                 | ...                                                      |
| 15                          | Tavoy ...                       | ...                                                                        | ...                                                                       | 25                                  | ...                                                      |
| 16                          | Mergui ...                      | ...                                                                        | ...                                                                       | ...                                 | ...                                                      |
| 17                          | Thabe                           | ...                                                                        | ...                                                                       | 423                                 | ...                                                      |
| 18                          | Township ...                    | ...                                                                        | ...                                                                       | 45                                  | ...                                                      |
| 19                          | Salween, Hill Tracts            | ...                                                                        | ...                                                                       | ...                                 | ...                                                      |
|                             | Total                           | ...                                                                        | ...                                                                       | 1,358                               | ...                                                      |
| <b>MANDALAY DIVISION.</b>   |                                 |                                                                            |                                                                           |                                     |                                                          |
| 20                          | Mandalay ...                    | ...                                                                        | ...                                                                       | 236                                 | ...                                                      |
| 21                          | Bhamo ...                       | ...                                                                        | ...                                                                       | 234                                 | ...                                                      |
| 22                          | Katha ...                       | ...                                                                        | ...                                                                       | 122                                 | ...                                                      |
| 23                          | Ruby Mines                      | ...                                                                        | ...                                                                       | 38                                  | ...                                                      |
| 24                          | Myittha                         | ...                                                                        | ...                                                                       | 21                                  | ...                                                      |
| 25                          | Mogaung (subdivision)           | ...                                                                        | ...                                                                       | ...                                 | ...                                                      |
|                             | Total                           | ...                                                                        | ...                                                                       | 702                                 | ...                                                      |
| <b>SAGAING DIVISION.</b>    |                                 |                                                                            |                                                                           |                                     |                                                          |
| 26                          | Shwebo ...                      | ...                                                                        | ...                                                                       | 78                                  | ...                                                      |
| 27                          | Sagaing ...                     | ...                                                                        | ...                                                                       | 193                                 | ...                                                      |
| 28                          | Lower Chindwin                  | ...                                                                        | ...                                                                       | ...                                 | ...                                                      |
| 29                          | Upper Chindwin                  | ...                                                                        | ...                                                                       | 1,078                               | ...                                                      |
|                             | Total                           | ...                                                                        | ...                                                                       | 1,349                               | ...                                                      |
| <b>MINBU DIVISION.</b>      |                                 |                                                                            |                                                                           |                                     |                                                          |
| 30                          | Thayetmyo                       | ...                                                                        | ...                                                                       | 333                                 | ...                                                      |
| 31                          | Pakokka                         | ...                                                                        | ...                                                                       | 11                                  | ...                                                      |
| 32                          | Minbu ...                       | ...                                                                        | ...                                                                       | 6                                   | ...                                                      |
| 33                          | Magwe ...                       | ...                                                                        | ...                                                                       | 163                                 | ...                                                      |
|                             | Total                           | ...                                                                        | ...                                                                       | 513                                 | ...                                                      |
| <b>MEIKTILA DIVISION.</b>   |                                 |                                                                            |                                                                           |                                     |                                                          |
| 34                          | Meiktila ...                    | ...                                                                        | ...                                                                       | 328                                 | ...                                                      |
| 35                          | Yamethin                        | ...                                                                        | ...                                                                       | ...                                 | ...                                                      |
| 36                          | Kyaukse                         | ...                                                                        | ...                                                                       | 87                                  | ...                                                      |
| 37                          | Myingyan                        | ...                                                                        | ...                                                                       | 2                                   | ...                                                      |
|                             | Total                           | ...                                                                        | ...                                                                       | 417                                 | ...                                                      |
| <b>SHAN STATES.</b>         |                                 |                                                                            |                                                                           |                                     |                                                          |
| 38                          | Northern Shan States            | ...                                                                        | ...                                                                       | 94                                  | ...                                                      |
| 39                          | Southern Shan States            | ...                                                                        | ...                                                                       | 144                                 | ...                                                      |
|                             | Total                           | ...                                                                        | ...                                                                       | 238                                 | ...                                                      |
| <b>CHIN HILLS.</b>          |                                 |                                                                            |                                                                           |                                     |                                                          |
| 40                          | Chin Hills                      | ...                                                                        | ...                                                                       | 480                                 | ...                                                      |
|                             | Total                           | ...                                                                        | ...                                                                       | 480                                 | ...                                                      |
|                             | <b>GRAND TOTAL</b>              | ...                                                                        | ...                                                                       | 11,263                              | ...                                                      |

## VACCINATION.

*Province of Burma for the year 1902-03 (Para. 10).*

| Total.                       | PRIMARY VACCINATION. |                               |                              | RE-VACCINATION.   |                   | PERCENTAGE OF SUCCESSFUL CASES.           |                       |
|------------------------------|----------------------|-------------------------------|------------------------------|-------------------|-------------------|-------------------------------------------|-----------------------|
|                              | Successful.          |                               |                              | Total.            | Successful.       | Primary.                                  | Re-vaccination.       |
|                              | Under one year.      | Over one and under six years. | Total of all ages.           |                   |                   |                                           |                       |
| 7                            | 8                    | 9                             | 10                           | 11                | 12                | 13                                        | 14                    |
| 13<br>95<br>142              | 1<br>9<br>17         | 6<br>44<br>10                 | 10<br>87<br>142              | 25                | ...               | 76.92<br>91.58<br>100.00                  | ...                   |
| 250                          | 27                   | 60                            | 229                          | 25                | ...               | 55.60                                     | ...                   |
| 248<br>588<br>417<br>92      | 36<br>88<br>83<br>49 | 167<br>437<br>178<br>58       | 211<br>571<br>286<br>92      | 1,509<br>9        | 1,025<br>5        | 85.08<br>97.11<br>70.74<br>100.00         | 61.10<br>...          |
| 1,345                        | 256                  | 760                           | 1,169                        | 1,608             | 1,090             | 86.91                                     | 61.05                 |
| 2<br>7<br>6<br>1,065         | 4<br>...             | 2<br>...                      | 2<br>7<br>4<br>903           | 971<br>475<br>552 | 533<br>419<br>130 | 100.00<br>100.00<br>66.67<br>93.24        | 64.89<br>...          |
| 1,080                        | 73                   | 388                           | 1,006                        | 1,598             | 1,082             | 93.15                                     | 64.15                 |
| 740<br>28<br>9<br>45         | 130<br>1<br>...      | 386<br>12<br>1<br>23          | 653<br>19<br>8<br>42         | 22<br>...         | 4<br>...          | 88.24<br>67.86<br>88.89<br>93.33          | 18.18<br>...          |
| 822                          | 134                  | 422                           | 722                          | 486               | 210               | 87.83                                     | 48.17                 |
| 254<br>21<br>118<br>38<br>22 | 59<br>...            | 95<br>...                     | 216<br>19<br>104<br>32<br>15 | 32<br>213<br>4    | 5<br>63           | 85.04<br>90.48<br>88.14<br>84.21<br>68.18 | 15.63<br>29.11<br>... |
| 453                          | 108                  | 172                           | 386                          | 249               | 67                | 85.21                                     | 26.91                 |
| 76<br>192<br>1,071           | 13<br>42<br>85       | 22<br>82<br>327               | 35<br>130<br>545             | 2<br>1<br>7       | ...               | 46.05<br>67.71<br>50.89                   | ...                   |
| 1,339                        | 140                  | 431                           | 710                          | 10                | 4                 | 53.02                                     | 40.00                 |
| 323<br>11<br>...             | 57<br>...            | 162<br>11<br>...              | 273<br>11<br>...             | 10<br>6<br>163    | 5<br>5<br>80      | 84.21<br>100.00<br>...                    | 50.00<br>...          |
| 334                          | 57                   | 173                           | 283                          | 179               | 90                | 84.73                                     | 50.28                 |
| 231<br>86<br>2               | 5<br>14<br>1         | 37<br>22<br>1                 | 156<br>36<br>2               | 97<br>1           | 44                | 67.53<br>41.86<br>100.00                  | 45.35<br>...          |
| 319                          | 20                   | 60                            | 194                          | 93                | 44                | 60.82                                     | 44.90                 |
| 93<br>144                    | 16<br>64             | 41<br>38                      | 67<br>132                    | 1                 | ...               | 72.04<br>91.67                            | ...                   |
| 237                          | 80                   | 79                            | 199                          | 1                 | ...               | 83.97                                     | ...                   |
| 443<br>443                   | 13<br>13             | 38<br>38                      | 130<br>130                   | 37<br>37          | 4<br>4            | 29.35<br>29.35                            | 10.81<br>10.81        |
| 4,622                        | 908                  | 2,583                         | 5,098                        | 4,611             | 2,531             | 76.08                                     | 54.54                 |

COMPARATIVE STATEMENT NO. IV.—*Showing the number of persons primarily vaccinated Burma, in each of the under*

| Establishment. | PERSONS PRIMARILY |                                  |               |                                  |               |                                  |               |                                  |               |                                  |
|----------------|-------------------|----------------------------------|---------------|----------------------------------|---------------|----------------------------------|---------------|----------------------------------|---------------|----------------------------------|
|                | Total number.     | Number success-fully vaccinated. | Total number. | Number success-fully vaccinated. | Total number. | Number success-fully vaccinated. | Total number. | Number success-fully vaccinated. | Total number. | Number success-fully vaccinated. |
|                | 1893-1894.        |                                  | 1894-1895.    |                                  | 1895-1896.    |                                  | 1896-1897.    |                                  | 1897-1898.    |                                  |
|                | 1                 | 2                                | 3             | 4                                | 5             | 6                                | 7             | 8                                | 9             | 10                               |
| Government     | 67,777            | 60,498                           | 85,936        | 77,976                           | 92,309        | 85,137                           | 118,666       | 110,486                          | 95,153        | 88,851                           |
| Municipal      | 72,315            | 62,372                           | 64,647        | 67,908                           | 81,340        | 74,204                           | 83,282        | 78,696                           | 82,934        | 78,827                           |
| Local Funds    | 91,302            | 82,233                           | 113,931       | 102,437                          | 155,537       | 142,638                          | 188,718       | 172,580                          | 222,231       | 210,880                          |
| Native States  | ...               | ...                              | ...           | ...                              | ...           | ...                              | ...           | ...                              | ...           | ...                              |
| Dispensary     | 4,143             | 3,435                            | 6,620         | 6,127                            | 6,066         | 5,546                            | 5,466         | 4,964                            | 5,151         | 4,891                            |
| Army           | ...               | ...                              | ...           | ...                              | ...           | ...                              | ...           | ...                              | ...           | ...                              |
| Europeans      | ...               | ...                              | 97            | 53                               | 68            | 45                               | 31            | 26                               | 80            | 50                               |
| Natives        | ...               | ...                              | 533           | 354                              | 604           | 329                              | 655           | 390                              | 379           | 249                              |
| Total          | 226,296           | 209,001                          | 271,894       | 244,855                          | 335,974       | 307,809                          | 396,818       | 363,482                          | 405,928       | 383,748                          |

STATEMENT NO. V.—*Showing particulars of*

| Number.                      | District.          | TOTAL NUMBER OF PERSONS VACCINATED. |        | TOTAL NUMBER INSPECTED                            |                 |                                                         |                 |
|------------------------------|--------------------|-------------------------------------|--------|---------------------------------------------------|-----------------|---------------------------------------------------------|-----------------|
|                              |                    |                                     |        | By Deputy Sanitary Commissioner or Civil Surgeon. |                 | By Native Superintendents or other Inspecting Officers. |                 |
|                              |                    |                                     |        | Primary.                                          | Re-vaccination. | Primary.                                                | Re-vaccination. |
| 1                            | 2                  | 3                                   | 4      | 5                                                 | 6               | 7                                                       | 8               |
| 1                            | Akyab              | 7,879                               | 595    | 1,080                                             | 595             | 3,941                                                   | 595             |
| 2                            | Arakan Hill Tracts | 1,102                               | ...    | ...                                               | ...             | 32                                                      | ...             |
| 3                            | Kyaukpada          | 6,463                               | 212    | 529                                               | 5               | 29                                                      | ...             |
| 4                            | Sandoway           | 2,457                               | 25     | 801                                               | ...             | 12                                                      | 25              |
| 5                            | Rangoon            | 5,110                               | 3,855  | 2,918                                             | 1,953           | ...                                                     | ...             |
| 6                            | Hanthawaddy        | 4,588                               | 1,831  | 103                                               | 1,290           | 2,013                                                   | 408             |
| 7                            | Pegu               | 12,686                              | 424    | 2,510                                             | 16              | 391                                                     | 29              |
| 8                            | Tharawaddy         | 12,179                              | 63     | 1,371                                             | 7               | 5,216                                                   | 53              |
| 9                            | Prome              | 20,556                              | 1,631  | 2,421                                             | 230             | 794                                                     | 801             |
| 10                           | Thongwa            | 3,909                               | 1,032  | 134                                               | 975             | 256                                                     | ...             |
| 11                           | Bassein            | 13,127                              | 2,160  | 1,969                                             | 984             | 3,890                                                   | 1,097           |
| 12                           | Henzada            | 37,784                              | 1,349  | 2,833                                             | 783             | 717                                                     | 396             |
| 13                           | Myaungmya          | 12,156                              | 1,236  | 5,025                                             | 898             | 718                                                     | 16              |
| 14                           | Amherst            | 12,965                              | 1,027  | 1,498                                             | 63              | 7,034                                                   | 572             |
| 15                           | Tavoy              | 13,976                              | 2,791  | 3,066                                             | 386             | 906                                                     | 1,776           |
| 16                           | Mergui             | 4,186                               | 89     | 1,175                                             | ...             | 259                                                     | ...             |
| 17                           | Thabe              | 4,231                               | ...    | 2,490                                             | ...             | 1,588                                                   | ...             |
| 18                           | Toungoo            | 10,607                              | 776    | 933                                               | 414             | 4,033                                                   | 225             |
| 19                           | Salween            | 1,099                               | 1      | ...                                               | ...             | 217                                                     | ...             |
| 20                           | Mandalay           | 13,187                              | 2,570  | 3,682                                             | 1,160           | 3,724                                                   | 271             |
| 21                           | Bhamo              | 3,335                               | 411    | 1,094                                             | 182             | 226                                                     | 2               |
| 22                           | Katha              | 1,833                               | 213    | 794                                               | 203             | 21                                                      | 213             |
| 23                           | Ruby Mines         | 3,307                               | 22     | 1,915                                             | 8               | 37                                                      | 2               |
| 24                           | Myittha            | 1,163                               | 47     | 536                                               | 9               | 186                                                     | 29              |
| 25                           | Shwabo             | 17,395                              | 103    | 3,783                                             | 21              | 1,561                                                   | 2               |
| 26                           | Sagaing            | 8,838                               | 266    | 1,537                                             | 67              | 992                                                     | 1               |
| 27                           | Lower Chindwin     | 11,490                              | 121    | 5,818                                             | 60              | 35                                                      | 61              |
| 28                           | Upper Chindwin     | 10,890                              | 361    | 690                                               | 3               | 414                                                     | 4               |
| 29                           | Thayetmyo          | 19,478                              | 1,782  | 817                                               | 576             | 1,321                                                   | 392             |
| 30                           | Fabokks            | 4,264                               | 437    | 2,283                                             | 436             | 11                                                      | ...             |
| 31                           | Bimbu              | 10,014                              | 402    | 1,459                                             | 7               | 601                                                     | 354             |
| 32                           | Magwe              | 9,204                               | 163    | 816                                               | 163             | 345                                                     | 82              |
| 33                           | Mektila            | 9,639                               | 125    | 3,490                                             | 20              | 174                                                     | ...             |
| 34                           | Yamethin           | 8,890                               | 508    | 3,577                                             | 388             | 1,723                                                   | 1               |
| 35                           | Kyaukse            | 6,473                               | 392    | 3,345                                             | 204             | 151                                                     | 20              |
| 36                           | Myingyan           | 11,392                              | 629    | 4,954                                             | 518             | 820                                                     | ...             |
| 37                           | Lashio             | 6,891                               | 1      | 1,314                                             | ...             | 2,071                                                   | ...             |
| 38                           | Taunggyi           | 8,063                               | 8      | 161                                               | ...             | 730                                                     | ...             |
| 39                           | Chin Hills         | 1,813                               | 46     | 357                                               | 27              | 433                                                     | 4               |
| Grand total for the Province |                    | 354,029                             | 27,144 | 73,218                                            | 12,651          | 46,882                                                  | 7,321           |

and the number of those persons who were successfully vaccinated in the Province of mentioned official years (Para. 11).

## VACCINATED.

| Total number. | Number successfully vaccinated. | Total number. | Number successfully vaccinated. | Total number. | Number successfully vaccinated. | Total number. | Number successfully vaccinated. | Total number. | Number successfully vaccinated. |
|---------------|---------------------------------|---------------|---------------------------------|---------------|---------------------------------|---------------|---------------------------------|---------------|---------------------------------|
| 1898-1899.    |                                 | 1899-1900.    |                                 | 1900-1901.    |                                 | 1901-1902.    |                                 | 1902-1903.    |                                 |
| 7             |                                 | 8             |                                 | 9             |                                 | 10            |                                 | 11            |                                 |
| 116,621       | 106,892                         | 122,193       | 112,483                         | 106,329       | 95,392                          | 91,530        | 83,082                          | 120,384       | 101,165                         |
| 81,987        | 78,636                          | 72,287        | 69,706                          | 62,338        | 58,008                          | 52,227        | 46,695                          | 55,352        | 47,049                          |
| 238,334       | 228,267                         | 260,518       | 248,803                         | 215,111       | 193,789                         | 181,107       | 166,283                         | 165,218       | 149,585                         |
| 2,108         | 1,941                           | 1,704         | 1,631                           | 1,574         | 1,420                           | 1,322         | 1,553                           | 7,053         | 5,451                           |
| 8,209         | 7,278                           | 6,033         | 5,421                           | 6,653         | 4,229                           | 3,971         | 3,033                           | 6,622         | 5,038                           |
| ...           | ...                             | ...           | ...                             | ...           | ...                             | ...           | ...                             | ...           | ...                             |
| 53            | 42                              | 28            | 19                              | 23            | 10                              | 20            | 9                               | 25            | 11                              |
| 548           | 363                             | 782           | 344                             | 391           | 207                             | 114           | 67                              | 359           | 253                             |
| 447,568       | 423,519                         | 463,606       | 438,406                         | 392,719       | 358,055                         | 333,791       | 300,722                         | 335,613       | 308,583                         |

## Vaccination verified by Inspecting Officers (Para. 12).

| PERCENTAGE OF INSPECTIONS TO TOTAL NUMBER VACCINATED |                 |                                                         |                 | PERCENTAGE OF CASES FOUND SUCCESSFUL OF TOTAL NUMBER INSPECTED. |                 |                                                         |                 | PERCENTAGE OF SUCCESS REPORTED BY VACCINATORS. |                 |
|------------------------------------------------------|-----------------|---------------------------------------------------------|-----------------|-----------------------------------------------------------------|-----------------|---------------------------------------------------------|-----------------|------------------------------------------------|-----------------|
| By Deputy Sanitary Commissioner or Civil Surgeon.    |                 | By Native Superintendents or other Inspecting Officers. |                 | By Deputy Sanitary Commissioner or Civil Surgeon.               |                 | By Native Superintendents or other Inspecting Officers. |                 |                                                |                 |
| Primary.                                             | Re-vaccination. | Primary.                                                | Re-vaccination. | Primary.                                                        | Re-vaccination. | Primary.                                                | Re-vaccination. | Primary.                                       | Re-vaccination. |
| 9                                                    | 10              | 11                                                      | 12              | 13                                                              | 14              | 15                                                      | 16              | 17                                             | 18              |
| 1371                                                 | 100.00          | 50.02                                                   | 100.00          | 93.70                                                           | 79.33           | 91.12                                                   | 79.33           | 93.12                                          | 79.33           |
| ...                                                  | ...             | 2.90                                                    | ...             | ...                                                             | ...             | 71.88                                                   | ...             | 95.68                                          | ...             |
| 8.33                                                 | 2.39            | .45                                                     | ...             | 87.01                                                           | 100.00          | 31.03                                                   | ...             | 9.18                                           | 91.51           |
| 32.60                                                | ...             | 5.78                                                    | 100.00          | 99.13                                                           | ...             | 100.00                                                  | ...             | 81.34                                          | ...             |
| 57.10                                                | 50.66           | ...                                                     | ...             | 90.54                                                           | 80.75           | ...                                                     | ...             | 80.45                                          | 44.18           |
| 2.24                                                 | 70.45           | 43.88                                                   | 22.28           | 80.58                                                           | 63.26           | 80.92                                                   | 71.32           | 76.61                                          | 70.69           |
| 19.79                                                | 3.77            | 3.08                                                    | 6.84            | 88.73                                                           | 85.00           | 94.12                                                   | 82.76           | 69.69                                          | 79.01           |
| 11.26                                                | 11.11           | 42.83                                                   | 52.38           | 75.78                                                           | 57.14           | 70.03                                                   | 67.58           | 70.53                                          | 61.11           |
| 11.78                                                | 22.31           | 3.86                                                    | 77.69           | 90.62                                                           | 76.52           | 90.30                                                   | 31.28           | 92.92                                          | 38.41           |
| 3.43                                                 | 94.48           | 6.65                                                    | ...             | 90.30                                                           | 54.77           | 91.41                                                   | ...             | 90.86                                          | 85.25           |
| 15.23                                                | 45.66           | 29.63                                                   | 50.79           | 89.89                                                           | 43.09           | 81.95                                                   | 45.94           | 92.53                                          | 41.48           |
| 7.50                                                 | 56.37           | 1.90                                                    | 28.51           | 89.48                                                           | 91.06           | 79.92                                                   | 47.98           | 92.15                                          | 67.33           |
| 41.34                                                | 72.65           | 5.91                                                    | 1.29            | 91.44                                                           | 24.61           | 92.90                                                   | 56.25           | 93.35                                          | 36.40           |
| 11.65                                                | 6.13            | 54.25                                                   | 55.70           | 87.25                                                           | 38.10           | 93.45                                                   | 31.47           | 91.69                                          | 26.19           |
| 21.94                                                | 13.83           | 6.48                                                    | 63.63           | 85.88                                                           | 37.82           | 89.18                                                   | 19.37           | 80.71                                          | 21.16           |
| 28.07                                                | ...             | 6.19                                                    | ...             | 84.85                                                           | ...             | 98.16                                                   | ...             | 74.06                                          | 8.99            |
| 58.83                                                | ...             | 37.63                                                   | ...             | 71.12                                                           | ...             | 72.86                                                   | ...             | 76.14                                          | ...             |
| 9.30                                                 | 53.35           | 40.18                                                   | 28.29           | 90.46                                                           | 49.76           | 94.37                                                   | 68.00           | 96.49                                          | 61.33           |
| ...                                                  | ...             | 19.75                                                   | ...             | ...                                                             | ...             | 82.07                                                   | ...             | 49.15                                          | ...             |
| 27.92                                                | 45.14           | 28.24                                                   | 10.54           | 98.56                                                           | 59.74           | 90.31                                                   | 65.31           | 96.84                                          | 62.88           |
| 32.80                                                | 44.28           | 6.78                                                    | .49             | 74.77                                                           | 38.46           | 90.27                                                   | 50.00           | 85.20                                          | 68.20           |
| 43.32                                                | 95.31           | 1.15                                                    | 100.00          | 53.95                                                           | 30.54           | 90.48                                                   | 29.11           | 94.15                                          | ...             |
| 67.91                                                | 36.36           | 1.12                                                    | 9.09            | 96.81                                                           | 75.00           | 86.49                                                   | ...             | 89.46                                          | 66.67           |
| 45.89                                                | 19.15           | 16.92                                                   | 61.70           | 86.01                                                           | 88.89           | 85.48                                                   | 100.00          | 88.09                                          | 82.98           |
| 21.75                                                | 20.29           | 8.97                                                    | 1.94            | 85.96                                                           | 60.96           | 84.43                                                   | ...             | 87.34                                          | 70.30           |
| 17.39                                                | 35.19           | 2.29                                                    | .38             | 77.68                                                           | 62.69           | 84.65                                                   | ...             | 77.00                                          | 53.96           |
| 50.64                                                | 49.69           | .30                                                     | 50.41           | 84.31                                                           | 89.00           | 40.10                                                   | 45.90           | 86.58                                          | 62.81           |
| 5.42                                                 | .83             | 3.80                                                    | 1.11            | 75.93                                                           | ...             | 62.32                                                   | 100.00          | 81.83                                          | 29.38           |
| 4.19                                                 | 32.32           | 6.32                                                    | 16.96           | 99.14                                                           | 95.14           | 93.99                                                   | 66.56           | 92.91                                          | 73.81           |
| 46.94                                                | 99.77           | .23                                                     | ...             | 90.89                                                           | 16.28           | 100.00                                                  | ...             | 79.39                                          | 16.25           |
| 14.67                                                | 1.74            | 6.00                                                    | 88.05           | 75.39                                                           | 42.86           | 90.18                                                   | 68.47           | 84.11                                          | 58.84           |
| 8.87                                                 | 100.00          | 3.75                                                    | ...             | 97.79                                                           | 49.08           | 100.00                                                  | ...             | 90.58                                          | ...             |
| 36.21                                                | 16.00           | 1.81                                                    | 65.60           | 76.53                                                           | 40.00           | 71.84                                                   | 47.56           | 87.04                                          | 53.57           |
| 40.24                                                | 76.38           | 19.38                                                   | ...             | 88.23                                                           | 17.27           | 98.08                                                   | ...             | 92.90                                          | 29.47           |
| 51.68                                                | 52.04           | 2.49                                                    | .26             | 82.90                                                           | 32.84           | 100.00                                                  | ...             | 80.55                                          | 27.88           |
| 43.60                                                | 82.35           | 7.22                                                    | 3.18            | 92.65                                                           | 53.86           | 86.46                                                   | 80.00           | 92.07                                          | 51.19           |
| 19.07                                                | ...             | 30.05                                                   | ...             | 90.26                                                           | ...             | 73.35                                                   | ...             | 75.29                                          | ...             |
| 9.00                                                 | ...             | 9.05                                                    | ...             | 96.27                                                           | ...             | 84.11                                                   | ...             | 82.25                                          | ...             |
| 19.69                                                | 58.70           | 23.88                                                   | 8.70            | 67.51                                                           | 11.11           | 66.74                                                   | 50.00           | ...                                            | ...             |
| 20.65                                                | 46.61           | 13.22                                                   | 26.97           | 87.31                                                           | 58.53           | 85.76                                                   | 43.44           | 87.14                                          | 48.83           |

## APPENDIX A.

Showing the ratio per 10,000 successfully vaccinated and the mortality from Small-pox by quinquennial periods for Lower Burma only (Para. 7).

| Official year. | Ratio per 10,000 successfully vaccinated. | Quinquennial mean. | Calendar year. | Ratio per 10,000 of mortality from small-pox. | Quinquennial mean. |
|----------------|-------------------------------------------|--------------------|----------------|-----------------------------------------------|--------------------|
| 1              | 2                                         | 3                  | 4              | 5                                             | 6                  |
| 1887-1888      | 167.00                                    | 217.88             | 1887           | 7.60                                          | 4.58               |
| 1888-1889      | 197.90                                    |                    | 1888           | 1.60                                          |                    |
| 1889-1890      | 266.70                                    |                    | 1889           | 7.70                                          |                    |
| 1890-1891      | 213.60                                    |                    | 1890           | 10.10                                         |                    |
| 1891-1892      | 214.20                                    |                    | 1891           | 2.90                                          |                    |
| 1892-1893      | 257.90                                    | 283.70             | 1892           | 3.20                                          | 4.18               |
| 1893-1894      | 303.60                                    |                    | 1893           | 6.80                                          |                    |
| 1894-1895      | 353.80                                    |                    | 1894           | 3.80                                          |                    |
| 1895-1896      | 448.90                                    |                    | 1895           | 3.40                                          |                    |
| 1896-1897      | 551.40                                    |                    | 1896           | 3.70                                          |                    |
| 1897-1898      | 596.70                                    | 552.02             | 1897           | 4.30                                          | 7.91               |
| 1898-1899      | 632.50                                    |                    | 1898           | 10.70                                         |                    |
| 1899-1900      | 678.10                                    |                    | 1899           | 13.20                                         |                    |
| 1900-1901      | 511.40                                    |                    | 1900           | 6.80                                          |                    |
| 1901-1902      | 331.40                                    |                    | 1901           | 4.57                                          |                    |
| 1902-1903      | 229.49                                    |                    | 1902           | 2.77                                          |                    |

5/1918-50  
363.70

## APPENDIX B.

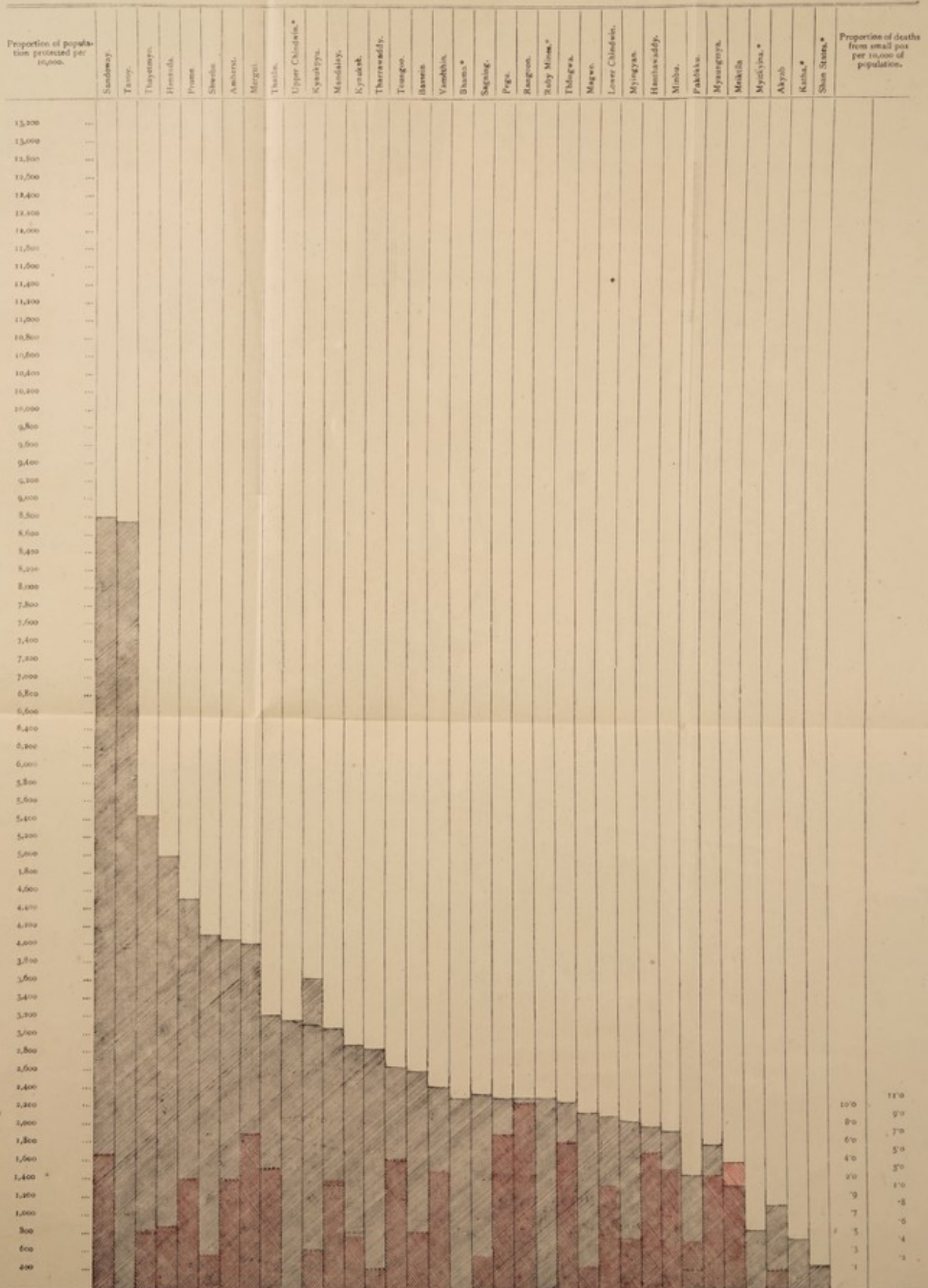
Statistics relating to the number of children under one year of age in towns available for vaccination and the number of successful operations performed on them (Para. 13).

| Towns.          | Number of births during the year 1902-03. | Number of deaths among children under one year of age. | Number living after deducting deaths in column 3. | Number of successful vaccinations on children under one year of age. | Date of extension of Vaccination Act into town. |
|-----------------|-------------------------------------------|--------------------------------------------------------|---------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------|
| 1               | 2                                         | 3                                                      | 4                                                 | 5                                                                    | 6                                               |
| Akyab           | 589                                       | 241                                                    | 348                                               | 483                                                                  | August 1893.                                    |
| Kyaukpadaung    | 78                                        | 24                                                     | 54                                                | 55                                                                   | April 1894.                                     |
| Sandoway        | 85                                        | 12                                                     | 74                                                | 60                                                                   | September 1890.                                 |
| Rangoon         | 3,286                                     | 1,243                                                  | 2,043                                             | 1,614                                                                | April 1894.                                     |
| Pegu            | 799                                       | 120                                                    | 679                                               | 1,888                                                                | March 1893.                                     |
| Prome           | 977                                       | 215                                                    | 762                                               | 693                                                                  | June 1890.                                      |
| Paungdét        | 379                                       | 67                                                     | 312                                               | 566                                                                  | August 1890.                                    |
| Gyobingauk      | 250                                       | 64                                                     | 186                                               | 112                                                                  | February 1897.                                  |
| Letpadan        | 249                                       | 196                                                    | 53                                                | 66                                                                   | January 1897.                                   |
| Thonze          | 285                                       | 80                                                     | 175                                               | 113                                                                  | October 1897.                                   |
| Ma-abin         | 197                                       | 35                                                     | 162                                               | 42                                                                   | October 1891.                                   |
| Yandoon         | 430                                       | 68                                                     | 362                                               | 187                                                                  | January 1892.                                   |
| Bassein         | 590                                       | 199                                                    | 701                                               | 847                                                                  | September 1888.                                 |
| Ngathalingyaung | 179                                       | 27                                                     | 152                                               | 122                                                                  | February 1890.                                  |
| Myaungmya       | 104                                       | 32                                                     | 72                                                | 210                                                                  | June 1894.                                      |
| Henzada         | 791                                       | 253                                                    | 538                                               | 538                                                                  | January 1889.                                   |
| Zalun           | 233                                       | 53                                                     | 180                                               | 204                                                                  | August 1891.                                    |
| Myanaung        | 253                                       | 50                                                     | 213                                               | 210                                                                  | July 1889.                                      |
| Moulmein        | 1,438                                     | 191                                                    | 1,247                                             | 1,178                                                                | August 1885.                                    |
| Thatón          | 413                                       | 89                                                     | 324                                               | 197                                                                  | October 1891.                                   |
| Kyaikto         | 239                                       | 40                                                     | 199                                               | 68                                                                   | March 1897.                                     |
| Tavoy           | 737                                       | 89                                                     | 648                                               | 694                                                                  | December 1889.                                  |
| Mergal          | 262                                       | 23                                                     | 240                                               | 302                                                                  | October 1891.                                   |
| Toungoo         | 543                                       | 125                                                    | 408                                               | 574                                                                  | May 1889.                                       |
| Shwegyin        | 206                                       | 99                                                     | 177                                               | 131                                                                  | January 1890.                                   |
| Mandalay        | 6,574                                     | 1,855                                                  | 4,719                                             | 5,446                                                                | August 1891.                                    |
| Sagaing         | 364                                       | 77                                                     | 287                                               | 217                                                                  | April 1894.                                     |
| Monywa          | 291                                       | 71                                                     | 220                                               | 156                                                                  | March 1893.                                     |
| Thayet myo      | 428                                       | 140                                                    | 288                                               | 399                                                                  | May 1889.                                       |
| Yamethin        | 286                                       | 101                                                    | 185                                               | 167                                                                  | February 1892.                                  |
| Pyinmana        | 571                                       | 184                                                    | 387                                               | 463                                                                  | November 1891.                                  |
| Myingyan        | 685                                       | 177                                                    | 508                                               | 615                                                                  | September 1891.                                 |
| Pagan           | 196                                       | 6                                                      | 190                                               | 229                                                                  | November 1891.                                  |
| Shwebo          | 365                                       | 102                                                    | 263                                               | 179                                                                  | June 1894.                                      |
| Pakokku         | 783                                       | 219                                                    | 564                                               | 619                                                                  | April 1892.                                     |
| Kyaikse         | 308                                       | 82                                                     | 226                                               | 280                                                                  | May 1891.                                       |
| Minbu           |                                           |                                                        |                                                   |                                                                      | March 1896.                                     |
| Salin           |                                           |                                                        |                                                   |                                                                      | March 1896.                                     |
| Taungwingyi     |                                           |                                                        |                                                   |                                                                      | February 1893.                                  |
| Total           | 25,096                                    | 6,701                                                  | 18,395                                            | 19,622                                                               |                                                 |

## APPENDICES.

## APPENDIX C.

Diagram showing the proportion of population protected during the seven official years from 1896-97 to 1902-03 and death-rate from small-pox during the calendar year 1902 in districts where registration is in force (para. 7).



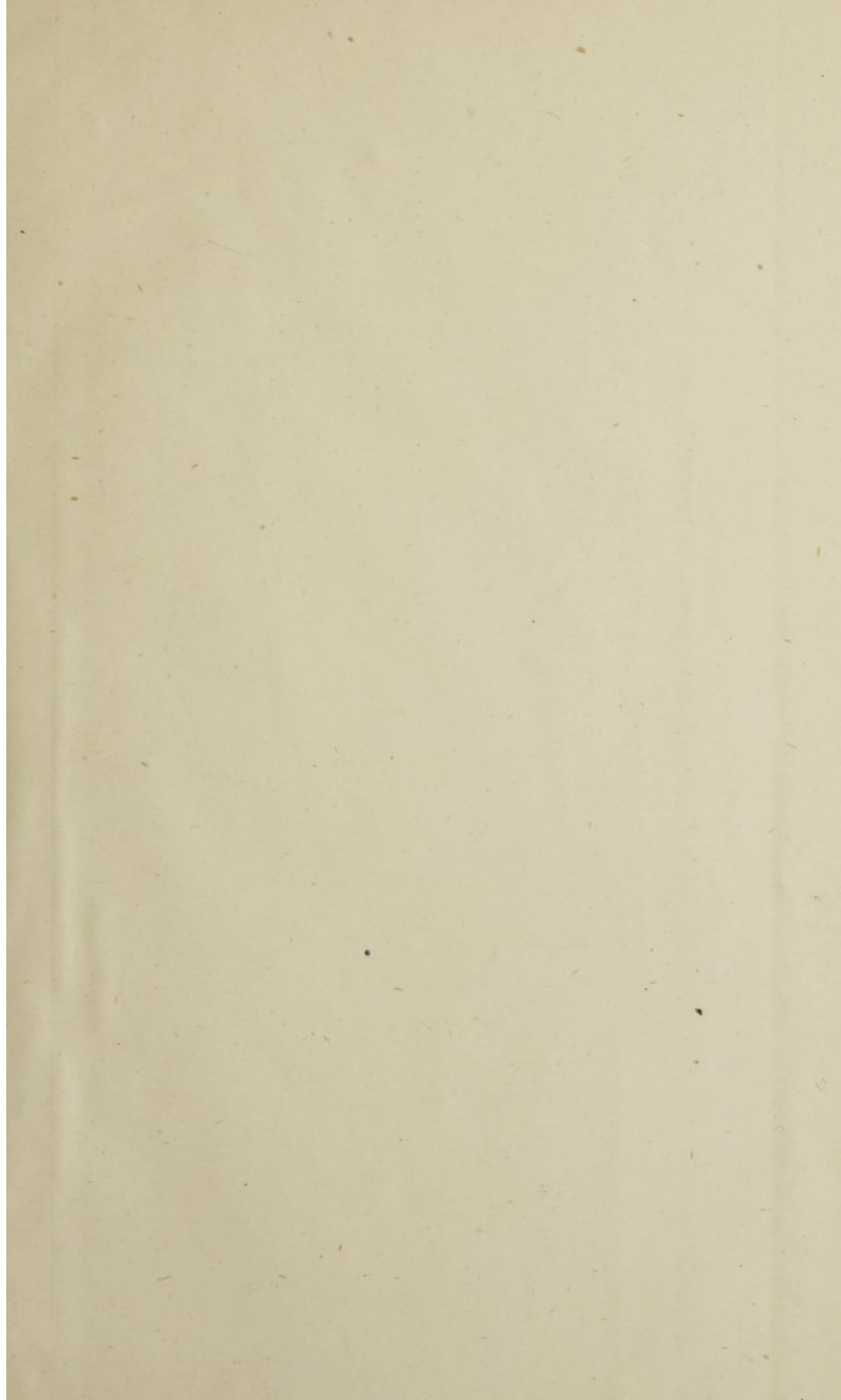
G. B. C. P. O.—No. 3, C. B. 28-7-03—410 LITHO.

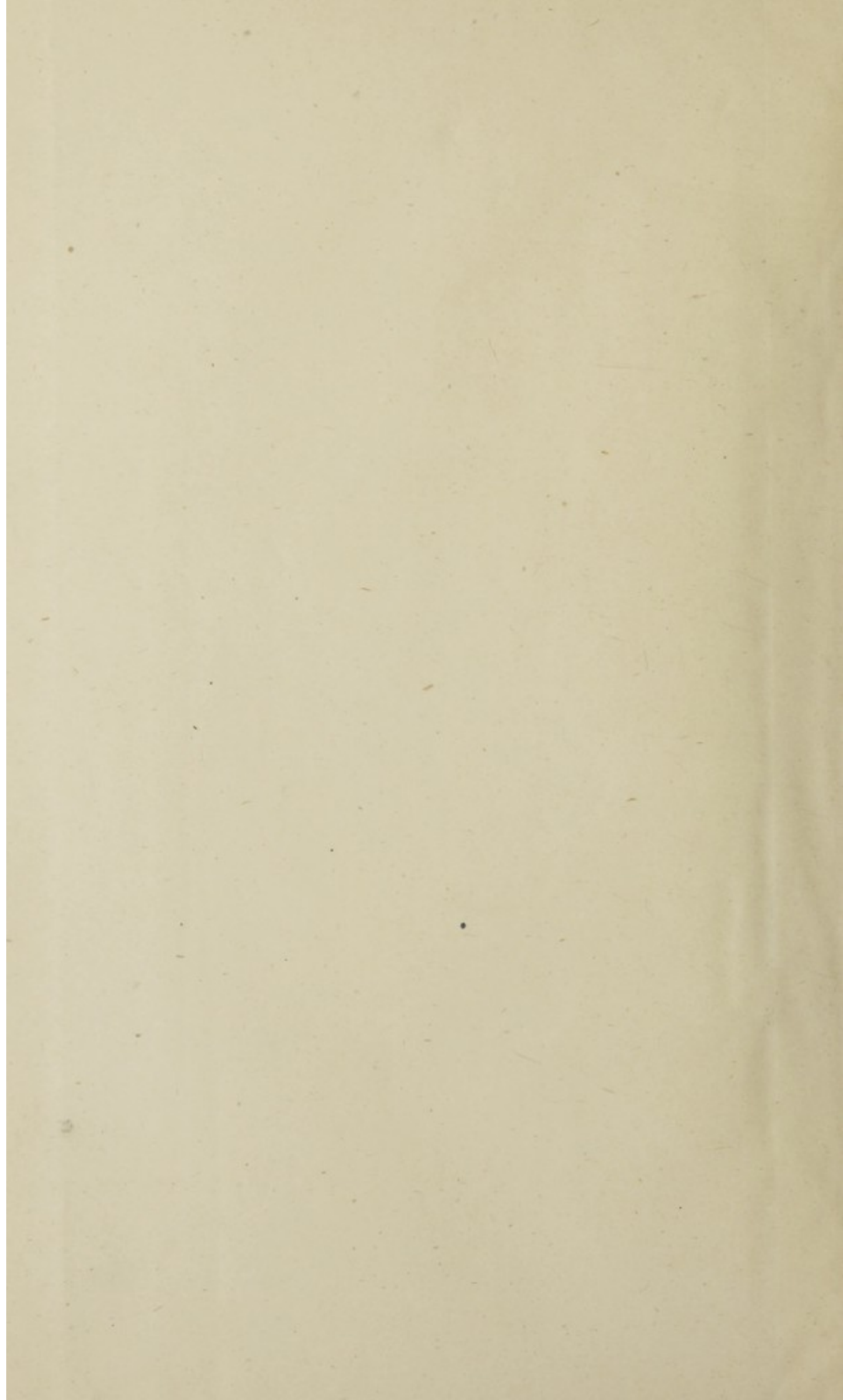
Indicates proportion of population protected per 10,000.

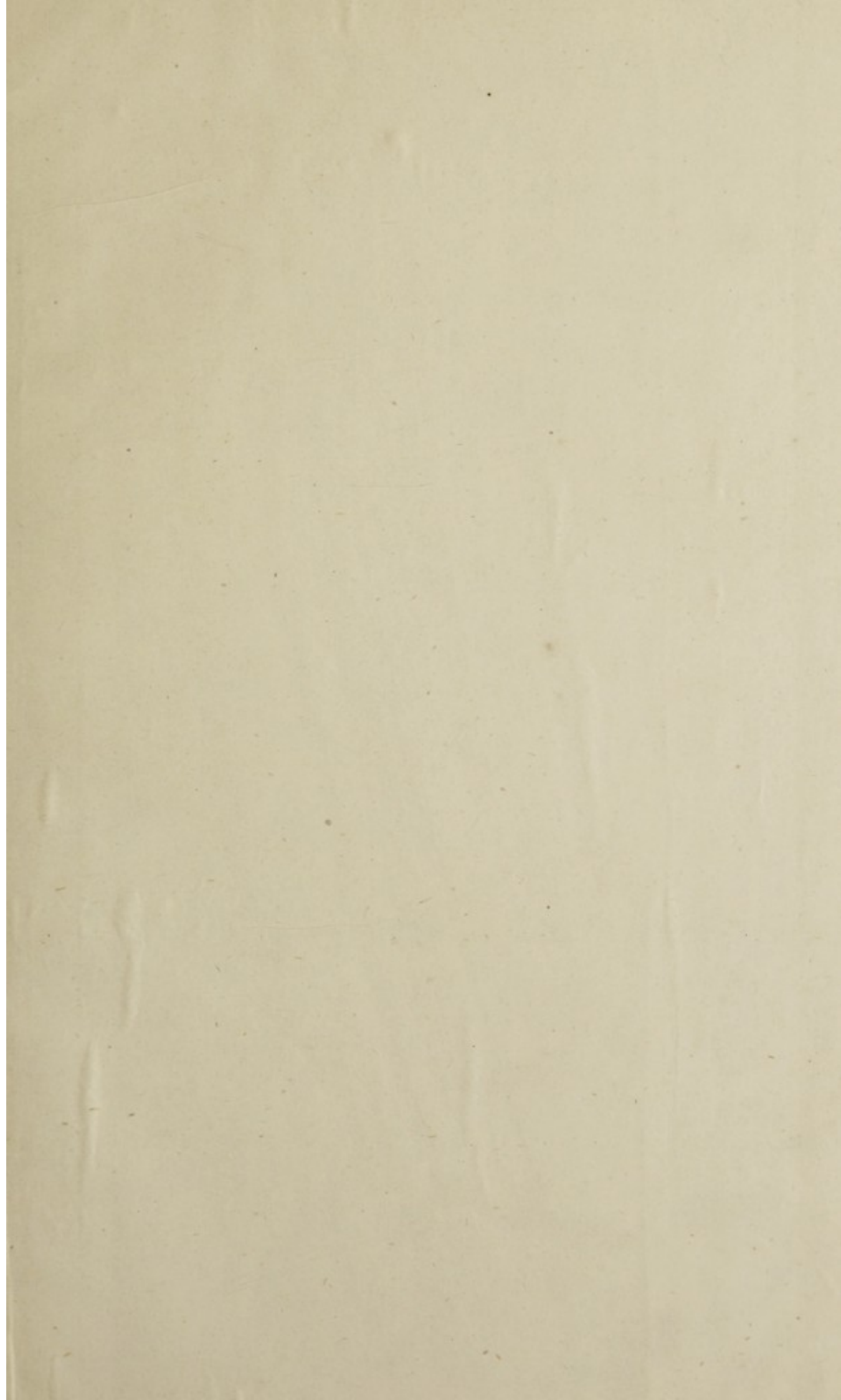
Indicates rates of deaths from small-pox per 10,000 of population.

\* Registration of vital statistics is not carried out in these districts.

5/19/8-50  
383.70







NOTES AND STATISTICS  
ON  
VACCINATION IN BURMA

FOR THE YEAR 1902-03.



RANGOON:

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