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

#### **Contributors**

Burma.

### **Publication/Creation**

Rangoon: Government Printing, [1909]

#### **Persistent URL**

https://wellcomecollection.org/works/ah7fm5bm

#### License and attribution

This work has been identified as being free of known restrictions under copyright law, including all related and neighbouring rights and is being made available under the Creative Commons, Public Domain Mark.

You can copy, modify, distribute and perform the work, even for commercial purposes, without asking permission.



Wellcome Collection 183 Euston Road London NW1 2BE UK T +44 (0)20 7611 8722 E library@wellcomecollection.org https://wellcomecollection.org





## NOTES AND STATISTICS

ON

## VACCINATION IN BURMA

FOR THE YEAR 1908-09



### RANGOON

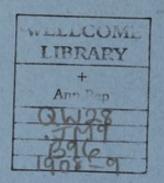
OFFICE OF THE SUPERINTENDENT, GOVERNMENT PRINTING, BURMA

1909





[Price,-Re. 0-8-0 = 9d.]





## NOTES AND STATISTICS

ON

# VACCINATION IN BURMA

FOR THE YEAR 1908-09



RANGOON

OFFICE OF THE SUPERINTENDENT, GOVERNMENT PRINTING, BURMA
1909

## LIST OF AGENTS

FOR THE

## SALE OF GOVERNMENT PUBLICATIONS.

#### IN INDIA:

THACKER, SPINE & Co., Calcutta.

W. NEWMAN & Co., Calcutta.

THACKER & Co., Bombay.

HIGGINEOTHAM & Co., Madras.

PROFRIETOR, HANTHAWADDY PRESS, Rangoon.

SUPERINTENDENT, AMERICAN BAPTIST MISSION PRESS, Rangoon.

#### IN ENGLAND:

E. A. Arnold, 41 and 43, Maddox Street, Bond Street, W. London.

Henry S. King & Co., 65, Cornhill, E.C., London.

Constable & Co., 10, Orange Street, Leicester Square, W.C.

Kegan Paul, Trench, Trübner & Co., 43, Gerrard Street, Soho, London, W.

Bernard Quaritch, 11, Grafton Street, New Bond Street, W.

P. S. King & Son, 2 & 4, Great Smith Street, Westminster, London, W.S.

Grindlay & Co., 54, Parliament Street, S.W.

T. Fisher Unwin, 1, Adelphi Terrace, London, W.C.

B. H. Blackwell, 50 & 51, Broad Street, Oxford.

Deighton Bell & Co., Cambridge.

Messrs. W. Thacker & Co., 2, Creed Lane, London, B.C.

#### ON THE CONTINENT:

R. FRIEDLANDER & SOHN, 11, Carlstrasse, Berlin, Governary.
Otto Harrassowitz, Leipzig, Germany.
Karl W. Hiersemann, Leipzig, Germany.
Ernest Leroux, 28, Rue Bonaparte, Paris, France.
Martinus Nijhoff, The Hague, Holland.
Rudolf Hauft, 1, Dorrientrasse, Leipzig, Germany.

## [The maximum limit of the body of the Notes is 4 pages]

### TABLE OF CONTENTS.

### NOTES AND STATISTICS ON VACCINATION IN BURMA FOR THE YEAR 1908-09.

|                            |               |          |     |     |     |     | PARA | . P | AGE. |
|----------------------------|---------------|----------|-----|-----|-----|-----|------|-----|------|
| Establishment              |               | ***      | *** |     |     | *** |      | 1   | 1    |
| Training School            | ***           | ***      | *** |     |     | *** | ***  | 2   | ib.  |
| Work performed during      | the year      |          |     | *** |     |     |      | 3   | ib.  |
| Primary Vaccination        |               | ***      |     | *** |     | *** |      | 4   | 2    |
| Infantile Vaccination in t | owns          |          | *** |     |     | *** |      | 5   | ib.  |
| Percentage of success obt  | tained        |          | *** |     |     |     |      | 6   | ib.  |
| Dispensary Vaccination     | ***           | ***      |     | *** |     | *** |      | 7   | 3    |
| Verification               | ***           |          |     |     |     |     |      | 8   | ib.  |
| Lymph Supply: the Vacc     | ine Depôt, !  | Meiktila |     |     |     |     |      | 9   | ib.  |
| The Rangoon Muncipal       | Vaccine De    | pôt      |     | *** |     | *** |      | 10  | 4    |
| Cost of the Department     |               | ***      |     |     |     | *** | 1    | 11  | ib.  |
| Inoculation and attitude   | of the people | e        |     |     | *** |     |      | 12  | ib.  |
| Legislation                |               | ***      | *** | *** | *** | *** | ***  |     | ib.  |

[regar a si soull sittle bedy of the little sit a regar]

TARRED TO TOTAL

MATERIAGE BY THE STATES OF A AND AND AND HER WE WILL ME THE SECOND

## NOTES AND STATISTICS

## VACCINATION IN BURMA

## FOR THE YEAR 1908-09.

1. Establishment.-Forty-eight Native Superintendents and 259 Vaccinators Statement II. were employed during the year under review. There was an increase of six Vaccinators, distributed as follows:-

Pakôkku District three, Katha District two, and Meiktila District one.

2. Training School.—Fourteen Native Superintendents and ten Vaccinators underwent training at the Meiktila Vaccine Depôt during the year. Difficulty is still found in enlisting men with sufficiently thorough elementary education to understand and profit by the education they receive at the depôt. Only a proportion of those examined at the end of the course of six months training attain

the minimum 50 per cent. of possible marks necessary to qualify.

3. Work performed during the year .- Excluding dispensary operations, the Statement I. 3. Work performed during the year.—Excluding dispensary operations, the total work porformed in the Province in 1908-09 was 382,326 operations, which is less by 5,076 than in the previous year. The following 12 districts show an increase of works, namely, Kyaukpyu (3,461). Shwebo (2,000), Sagaing (1,769), Tharrawaddy (1,620), Bassein (1,155), Minbu (1,108), Tavoy (746), Chin Hills (422), Ma-ubin (960), Hanthawaddy (718), Prome (418), and Southern Shan States (8,353). Twenty-six districts show a falling off, the largest decreases being—Akyab (3,933), Upper Chindwin (3 101), Myingyan (2,198), Meiktila (2,571), Pegu (1,491), Yamèthin (1,466), Rangoon (1,515), Thatôn (1,645), Sandoway (1,118), Henzada (532), Mergui (660), Toungoo (700), Lower Chindwin (929), Kyauksè (1,283), Thavetmyo (1,271), and Amherst (1,040). (1,283), Thayetmyo (1,071), and Amherst (1,049).

If, for the sake of further analysis, we exclude the Municipality of Rangoon and Native States and Hill Tracts, we find that the total decrease in the work done in the more settled districts is 11,776 operations less than in the preceding year. The Arakan Division shows a decrease of 1,590, confined to Akyab and Sandoway Districts, Kyaukpyu showing an increase of 3,461. The Pegu Division shows a total increase of 1,265, shared in by all districts except Pegu, which has a deficit of 1,491. The Irrawaddy Division shows a total increase of 854, confined to Ma-ubin and Bassein, the combined decrease of the other districts Henzada, Myaungmya, and Pyapôn being 1,261. The Tenasserim Division (excluding Salween Hill Tracts) shows a total decrease of 3,308. Of the five districts, Tavoy alone returns an increase of 746. The Mandalay Division shows a total decrease of 919, the Ruby Mines District alone returning an increase of 38. Sagaing Division shows a decrease of 261. The considerable increase of 3,769 in the Shwebo and Sagaing Districts was discounted by the decrease in Upper and Lower Chindwin Districts, respectively, of 929 and 3,101 totalling 4,030 operations. Magwe Division shows a decrease of 299, in three out of the four districts, Minbu alone showing an increase of 1,108. Meiktila Division shows a total decrease in all four districts of 7,518, all the districts showing a decrease of over 1,000 operations.

The Civil Surgeons of districts submit various explanations for the decrease, among which are the following-Meiktila Division and Toungoo and Bhamo Districts and Taungdwingyi Town, unsettled condition of the people due to widespread epidemics of plague and cholera. Pyapôn and Mergui District and Pakôkku town, absence of epidemic small-pox. Myingyan, emigration of the poor classes on account of scarcity. Lower Chindwin, difficulty in getting children owing to lack of co-operation of the Ywathugyis. In Upper Chindwin, Sandoway, Katha, Myitkyina, and Henzada the falling off is explained as due to inefficiency, or numerical inadequacy of the staff, several vaccinators being dismissed, under suspension, or on leave. In Henzada and Akyab, passive opposition by the people and their preference for inoculation is preferred as the cause of the decrease. Many of

the explanations offered are reasonable and must be accepted as accounting for the decrease in the outturn of work. In several instances the obstacles to vaccination were the subject of correspondence during the year. In the Henzada District, for instance, there has long been a difficulty in getting men of reliability and energy to work as vaccinators in the district. The service is unpopular in this district and good men will not stay. The altogether unreliable statistics of work done, furnished by the older vaccinators, resulted in the dismissal of the worst offenders by the Civil Surgeon in the previous year, and in spite of much effort on his part, this officer has not been able to make any great headway against the prevailing apathy of the people and their distaste for the operation. Until all grades of Civil Officers in this district unite to persuade the people to accept the operation, and a better class of vaccinators can be induced to remain in the district, no marked progress is to be expected. There is no doubt that the severe plague and cholera epidemics, which have visited the Meiktila Division during the year, have produced an effect detrimental to the oerformance of vaccination in many parts of the districts. A similar factor was at work in the Toungoo District, and in some instances the Civil Surgeon and Vaccinators were refused admission to the villages. No doubt other districts were affected to some extent in the same way. It has, however, to be remarked that the severe plague and cholera outbreaks in the Tharrawaddy District did not prevent the increase of vaccination work in that district. The same remark applies to the Prome and Bassein Districts. The effect produced by a small-pox epidemic in increasing the outturn of vaccination work is well recognised, but the plea put forward by the Civil Surgeon of Pyapôn that the falling off in the year under review is to be explained by the absence of smallpox does not carry weight, since there was no more small-pox in that district in the preceding year than in 1908-09. In the Pakôkku District, where there was a severe small-pox epidemic in 1907, the outturn of work rose by 796 primary operations in consequence of the vaccination staff being augmented in the year under review; there was, as might have been expected, a decrease in revaccinations consequent on the cessation of the epidemic.

The large increase in the outturn of work in the Southern Shan States, nearly all in primary operations, was due to improved organisation of the vaccination staff, and to the special efforts made by the Civil Surgeons of Taunggyi and

Loimwe, and is much to their credit.

4. Primary Vaccination .- In 40 districts there was a total decrease of 5,117

primary operations.

Statement I.

Appendix B. 5. Infantile Vaccination in towns.—A total of 19,981 primary vaccinations on infants under 12 months of age were successful, in 45 towns, as compared with 19,530 in 44 towns in 1907-08 an increase of 451 over the work of the previous year. Twenty-two towns show a definite increase in the number of successful operations on infants. In Rangoon the excess was 309, and in Paungdè 179. Gyobingauk, Letpadan, and Thônzè between them show an increase of 182, Toungoo of 216, and Allanmyo of 178. Pyapôn, Wakèma, and Bassein all show a creditable increase. Several towns show a considerable falling off in this branch of the work. This is observed in all the towns of the Arakan Division. In Myanaung the number of successful operations on infants fell from 464 to 226, and in Ngathainggyaung from 96 to 20. In Tavoy the decrease was 284, in Zalun 186, and in Pakôkku 143.

nent I. 6. Percentage of success obtained.—The average successful results in primary vaccination for the whole province was 93'58 per cent. of operations. This is higher than in any previous year, and compares favourably with the 91'78 of 1907-08. In different districts the precentage of success varied from 98'82 in Rangoon, to 82'44 in the Ruby Mines District. The highest percentage of successes in districts was achieved in Lower Chindwin (98'57), Meiktila (98'51), and Mandalay (97'24). The districts showing the lowest percentages of success were Ruby Mines (82'44), Salween (82'81), and Northern Shan States (86'56). The Superintendent, Meiktila Depôt, writes, "the quality has been exceedingly good throughout the year. The returns received for 257,284 cases give a percentage success of 92'98, or practically 93, compared with 91'2 of 1907-08, and 90'65 of 1906-07."

7. Dispensary Vaccination.—Fourteen thousand and eighty-seven persons Statement III. were vaccinated at dispensaries in 1908-og against 19,131 in the previous year. There was a falling off in this branch of the work of 5,044 operations. The percentage of successes in primary operations fell from 95'32 in 1907-08 to 94'24 in the year under review; in revaccinations, there was an increase in percentage of success from 60'18 to 64'25. The decrease was in both primary and revaccinations. Of the total successfully vaccinated, only 774 were children under 12 months of age. The remainder were about equally distributed between the ages above and below six years. It is observed that this falling off in dispensary vaccination occurred in nearly all districts, the exceptions being Bassein, Amherst, Mergui, Toungoo, Thatôn, Salween, Mandalay, Katha, Ruby Mines, and Magwe. No satisfactory explanation is afforded of this decrease of activity. Doubtless the causes which have already been adverted to as explaining the falling off in district vaccination apply in some degree also to the vaccination work at the dispensaries. This fall in Dispensary vaccination is sudden, since the number of operations at dispensaries had risen steadily up to the year under review. The numerical loss in operations performed amounts to 5,044, almost equal to the decrease in the district work of the province.

8. Verification .- During the year under review 33,589 primary operations Statement and 11,311 revaccinations were verified by Civil Surgeons, against 47,420 primary V. and 12,828 revaccinations in the previous year. Native Superintendents of Vaccination verified 140,072 primary and 21,242 revaccinations against 140,550 primary and 24,917 revaccinations in 1907-08. The percentage of operations verified by Deputy Sanitary Commissioner and Civil Surgeons in the two years 1908-09, and 1907-08, respectively, was in primary cases 9'79 and 13'51 and in revaccinations 21'17 and 23'09. Native Superintendents verified 40.84 per cent. of primary operations and 39.75 of revaccinations against 40.05 and 44'85 in the previous year. The decrease in verification work performed was thus considerable, and is in most cases unexplained. The decrease in the Meiktila District was, however, due to the Native Superintendent of Vaccination being detained at headquarters until near the end of the year to assist in training vacci-With the exception of Meiktila, there was no falling off generally in the work of the Native Superintendents. It is satisfactory to be able to record that the Statement I. total number of operations on infants found successful and also the total number of persons successfully vaccinated over six years of age was larger than in the

previous year.

9. Lymph Supply: the Vaccine Depôt, Meiktila .- The vaccine lymph used throughout the whole province, with the exception of the Rangoon Municipality, was supplied from the Meiktila Vaccine Depôt. Lymph sufficient for 529,189 operations was issued from the depôt during the year. The issue was larger than in the previous year by 2,074 cases, but less than in 1906-07. The cost of manufacture of the vaccine paste was the same as last year, namely, 2.8 pies per case. The greater part of the lymph issued was glycerinated, only sufficient lanoline vaccine for 61,200 operations, and quinated vaccine for 8,295 operations being despatched. Two hundred and seventy one calves were vaccinated against 263 in the previous year. The total weight of vaccine pulp obtained from the calves was greater than in previous years, being 179'2 ounces. The average yield in grains per calf was 289'40 against 308 grains in 1906-07. The largest yield from any one calf was 600 grains, the average quantity required for a single operation was 0'14 grain. The Superintendent complains that at several stations there was a great and unnecessary wastage of vaccine. Thus, at the three stations of Borgle, Kuzillat, and Danubur. stations of Bogale, Kyaiklat, and Danubyu 4,410 grains were received and only 963 operations performed. At Bhamo 8,340 grains produced only 3,893 operations. In some cases the difficulty experienced in obtaining subjects promptly for operation is a reasonable excuse for this waste, as at Loilem and Lashio. This excuse ought not to be put forward in settled districts such as Pyapôn and Ma-ubin, however, and the backward condition of vaccination in those districts is the true explanation of the wasteful use of the vaccine. Glycerinated lymph was found to give better results than the other preparations. The post of Superintendent of the Meiktila Vaccine Depôt was filled by Major J. Entrican,

M.D., I.M.S., until December 1908, and subsequently by Captain J. Good, I.M.S., to the end of the year. The perfection to which the manufacture of the vaccine has been brought during his incumbency of the post is the best testimony to the devotion, skill, and inventive genius displayed during several years by the late Superintendent, Major Entrican, and it is with much regret that I have to record the loss by this Department of his services owing to his being compelled by ill health to take leave. The present incumbent, Captain Good, has carried on the work with the greatest zeal since he assumed office, and merits my thanks for his services.

10. The Rangoon Municipal Vaccine Depôt.—Work was as in former years carried out at the vaccination station at the Municipal Office. In spite of unfavourable surroundings, which have been considered responsible for unsatisfactory results obtained from the vaccine prepared at this depôt in previous years, the lymph has throughout the year been of excellent quality, and a percentage of 98.95 successes was obtained in primary operations. The new vaccine depôt in Kandawgalay is said to be ready now for occupation and work will be commenced there shortly. This depôt was sanctioned by the Municipal Committee in March 1907, and there has been much delay in carrying out the scheme.

Statement II.

- 11. Cost of the Department.—The total expenditure on establishment, travelling allowance, and contingencies during the year 1908-09 was Rs. 1,49,847-3-4 against 1,38,604-7-4 in 1907-08. The increase in cost was due to (a) Establishment, increase Rs. 9,395-4-1. (b) Travelling allowance, increase 4,785-5-9. The total increase was, therefore, Rs. 11,242-12-0. The average cost of each successful operation was Re. 0-7-5 against Re. 0-6-11 in the previous year. The cost varied greatly in different districts, being only Re. 0-2-3 in Sagaing, Re. 0-3-1 in Lower Chindwin, and Re. 0-3-9 in Katha. On the other hand, it was as high as Rs. 2-12-4 in the Northern Shan States, Rs. 2-1-1 in Pyapôn, and Re. 0-14-6 in Hanthawaddy. The high cost of vaccination in the Hanthawaddy and Pyapôn Districts was due to the very poor work performed in those districts, in proportion to the large staffs employed. The increase on establishment is explained by the appointment of additional Native Superintendents for nine districts and of additional permanent Vaccinators. These men were sanctioned from 1st of March 1908, but were entertained during the year under review, and were employed during the entire year. Six temporary vaccinators were employed for six months in Pakôkku District:
- 12. Inoculation and attitude of the people.—Inoculation is still practised in certain districts, especially in the Arakan Division, and in the Irrawaddy and Pegu Divisions. It is precisely in those Districts where vaccination is backward that the people are most addicted to the practice of inoculation, and per contra, hostile to vaccination. The districts of Akyab, Henzada, Pyapôn, and Ma-ubin are among those in which least advance has been made of late years in popularising vaccination. Hanthawaddy District is another stronghold of inoculation where the progress of vaccination has halted for years past.
- of Vaccinators became law during the year. Inoculation will hereafter be a criminal offence in those districts to which the Act may be from time to time applied. It has been arranged to apply the Act first to the Hanthawaddy and Pegu Districts. An act for the improvement of vaccination in Rangoon Town and port has recently received the approval of the Governor-General and came into force on the 24th of May 1909. It provides for the compulsory vaccination of all persons coming to Burma to work as labourers, who are unprotected from small-pox, and gives additional powers to the Municipal Committee for vaccinating the occupants of factories and lodging houses.

C. E. WILLIAMS, MAJOR, M.D., D.P.H., I.M.S.,

Superintendent-General of Vaccination, Burma.

RANGOON, 25th May 1909.

## APPENDICES.

| Statement No.            | I Showing pa                    | rticulars of                   | Vaccination                   | in the P   | rovince of               | Burma d     | luring the                 | year     |     |
|--------------------------|---------------------------------|--------------------------------|-------------------------------|------------|--------------------------|-------------|----------------------------|----------|-----|
| 1908-09                  |                                 |                                |                               |            |                          |             |                            |          | 6   |
| Statement No.<br>1908-09 | IIShowing t                     |                                |                               | it in the  | Province o               | f Burma     | during the                 | year     | 8   |
| Statement No.<br>1908-09 | III.—Showing                    |                                | Vaccinatio                    |            | Province                 | of Burn     | na for the                 | year     | 10  |
| persons w                | IVShowing<br>ho were succes     | the number of<br>sfully vaccin | of persons p<br>sated in the  | Province   | vaccinated<br>e of Burma | and the     | number of<br>of the office | those    |     |
| years 1899-190           |                                 |                                |                               |            |                          |             | ***                        | ***      | 12  |
| Statement No.            | V.—Showing p                    |                                |                               | verified b | -                        | og Officers | during the                 | year     | ib. |
| Appendix A               | -Showing the<br>by quinquennia  | ratio per I                    | 0,000 succe                   | ssfully v  | accinated                |             |                            |          | 14  |
| Appendix B               | -Statistics relati              | ng to the nu                   | mber of chil                  | dren und   | er one year              | r of age in |                            |          | ib. |
| Appendix C years 190     | Diagram show<br>2-03 to 1908-09 | ring the prop                  | portion of p<br>eath-rate fro | opulation  | protected                | during t    | he seven                   | official |     |
| districts w              | here registratio                | n is in force                  |                               |            | **                       |             |                            | ***      | 15  |

## A .- VACCINATION

## STATEMENT No. I .- Showing particulars of Vaccination in the

| -        |  | Popula-                                       | Average                                | Average<br>number<br>of vacci |                         |                         |                           | Average<br>number<br>of per- |                         |                       | VACCIN                            | ATION.                    |               |
|----------|--|---|--|-------------------------------|-------------------------|-------------------------|---------------------------|------------------------------|-------------------------|-----------------------|-----------------------------------|---------------------------|---------------|
| N        | Circles and Districts.                       | tion of<br>district<br>according<br>to census | popula-<br>tion per<br>square<br>mile. | employ-<br>ed<br>through      | . 1                     | umber of                | ı ersons                  | vacci-<br>nated<br>by each   |                         | -                     | Successful<br>One and             |                           |               |
|          |  | of 1901.                                      |  | out the year.                 |                         |                         |                           | vacci-<br>nator,             | Total.                  | Under<br>one<br>year. | One and<br>under<br>six<br>years. | Total of all ages.        | Un-<br>known. |
| 1        | 2  | 3   | 4                                      | 0                             |                         | 6                       |                           | 7                            | 8                       | 9                     | 10                                | 11                        | 12            |
| -        | ARAKAN DIVISION.                             |   |  |                               | Males.                  | Pemales                 | Total.                    | 1                            |                         |                       |                                   | 1                         | 1931          |
| 1        | Akvab  | 481,666                                       | 94                                     | 10                            | 7,721                   | 6,855                   | 14,576                    | 1,458                        | 13,935                  | 1,966                 | 5,588                             | 12,521                    | 171           |
| 9        | Arakan                                       | 20,692<br>168,827                             | 4 38                                   | 2 6                           | 805<br>5,700            | 484<br>5,519            | 1,289                     | 645<br>1,868                 | 1,158                   | 1,255                 | 188<br>8,976                      | 1,067<br>9,256            | 81<br>859     |
| 4        |  | 90,927  | 24                                     | - 8                           | 1,127                   | 960                     | 2,087                     | 696                          | 1,963                   | 211                   | 922                               | 1,779                     | ***           |
|          | Total  | 762,103                                       | - 41                                   | 21                            | 15,858                  | 18,808                  | 19,161                    | 1,889                        | 27,902                  | 3,441                 | 10,669                            | 24,023                    | 1,061         |
|          | Prou Division.                               | 252,155                                       | 8,996                                  | * 8                           | 25,462                  | 8,784                   | 29,245                    | 9,749                        | 6,543                   | 3,589                 | 1,221                             | 5,381                     | 1,098         |
| 5 9 7    | Rangoon<br>Hanthawaddy<br>Pegu               | 467,537<br>389,572                            | 165                                    | 6 8                           | 2,096                   | 2,725<br>3,116          | 7,441                     | 887<br>930                   | 6,965                   | 548<br>1,297          | 2,741<br>4,301                    | 8,866                     | 188           |
| 8        |  | 395,570<br>365,804                            | 139<br>125                             | 8<br>12                       | 8,725<br>5,007<br>7,038 | 6,025                   | 10,156                    | 1,270                        | 10,143                  | 8,020                 | 5,832 6,079                       | 9,215                     | 194<br>879    |
|          | Total  | 1,830,683                                     | 139                                    | 37                            | 43,823                  | 91,403                  | 65,226                    | 1,763                        | 40,893                  | 12,661                | 19,674                            | 86,877                    | 2,016         |
|          | IRRAWADDY DIVISION.                          |   |  |                               |                         |                         |                           |                              | -                       | 200                   | 20,000                            |                           |               |
| 10       |  | 288,347<br>221,939                            | 178<br>106                             | 4 6                           | 1,610                   | 1,573                   | 3,183<br>2,014            | 796<br>884                   | 2,878<br>1,633          | 791<br>654            | 1,533<br>761                      | 2,801<br>1,638            | 2             |
| 12       | Bassein                                      | 891,497<br>484,558                            | 109                                    | 10                            | 7,998                   | 6,500                   | 14,498                    | 1,450                        | 13,245                  | 8,813<br>4,239        | 6,845                             | 12,182                    | 6,065         |
| 14       | The state of the state of                    | 1,663,660                                     | 105                                    | 42                            | 1,575                   | 20,447                  | 48,128                    | 1,007                        | 8,902                   | 11,602                | 19,838                            | 85,724                    | 2,052         |
|          | Tanasserie Division.                         | 1,000,000                                     |  | -                             | Reypox                  | 20/227                  | 20,127                    |                              | 44,000                  | -                     | 147.50                            | 00,100                    |               |
| 15       | Amherst                                      | 300,178                                       | 43                                     | 9                             | 13,261                  | 7,839                   | 21,100                    | 2,241                        | 20,431                  | 3,351                 | 7,515                             | 18,708                    | 627           |
| 16<br>17 | Mergui                                       | 100,979<br>88,744                             | 21                                     | 5                             | 5,071<br>8,439          | 6,150                   | 21,100<br>11,921<br>6,438 | 1,685                        | 7,247<br>6,474          | 714                   | 2,745<br>2,969<br>2,2 8           | 5,626                     | 1,080         |
| 19       | Thaton                                       | 279,315<br>343,510                            | 68<br>14                               | 7<br>6<br>1                   | 4,355<br>4,190<br>793   | 3,014<br>4,692<br>581   | 7,089<br>8,882<br>1,824   | 1,006<br>1,490<br>1,824      | 6,055<br>8,780<br>789   | 1,979<br>2,146<br>17  | 4,033                             | 5,267<br>7,917<br>612     | 506           |
| 20       | Salween                                      | 1,159,558                                     | 83                                     | 32                            | 31,109                  | 25,315                  | 56,454                    | 1,764                        | 49,756                  | 9,993                 | 19,004                            | 43,827                    | 2,885         |
|          | MANDALAY DIVISION.                           | -,,,,,,,,                                     |  |                               | -                       |                         |                           |                              |                         |                       |                                   |                           | -             |
| 21       | Mandalay                                     | 306,507                                       | 173<br>19                              | 10                            | 7,112                   | 6,516                   | 13,628                    | 1,863                        | 11,970                  | 6,598                 | 4,789                             | 11,632                    | 8 282         |
| 23<br>24 | Bhamo<br>Katha<br>Ruby Mines                 | 79,515<br>176,923<br>87,694                   | 25<br>16                               | 4                             | 2,074<br>2,091<br>1,708 | 1,819<br>1,792<br>1,509 | 8,893<br>8,886<br>8,137   | 978<br>978<br>809            | 3,412<br>8,8:6<br>3,237 | 1,198<br>591<br>701   | 1,826                             | 2,896<br>3,618<br>9,199   | 91<br>594     |
| 25       |  | 67,899  | 6                                      | 2                             | 280                     | 563                     | 1,183                     | 642                          | 1,274                   | 124                   | 633                               | 2,179<br>1,114            | 15            |
|          | Total  | 777,838                                       | 26                                     | 24                            | 13,708                  | 12,219                  | 25,927                    | 1,080                        | 28,779                  | 9,007                 | 9,418                             | 21,439                    | 990           |
|          | SAGAING DIVISION.                            |   |  |                               |                         |                         |                           |                              |                         | -                     | - Maj                             | 1000                      |               |
| 96<br>97 | Shwebo<br>Sagaing                            | 286,891<br>282,658                            | 51<br>152                              | 8 6                           | 5,981                   | 6,963                   | 12,244<br>20,816          | 1,581                        | 11,991<br>15,882        | 3,109<br>7,276        | 7,909<br>7,989                    | 11,042<br>14,565          | 374<br>356    |
| 28       | Lower Chandwin                               | 276,883<br>151,651                            | 79                                     | 6                             | 7,511<br>8,670          | 7,840                   | 14,881<br>7,852           | 2,480<br>1,235               | 12,984<br>7,852         | 5,438<br>617          | 8,516                             | 6,217                     | 453           |
| -        | Total  | 1,000,488                                     | 83                                     | 26                            | 27,005                  | 28,128                  | 55,293                    | 2,127                        | 47,700                  | 16,440                | 24,006                            | 44,(2)                    | 1,215         |
|          | MAGWE DIVISION.                              |   |  |                               |                         |                         | -                         |                              |                         |                       |                                   |                           |               |
| 30<br>31 | Thayetmyo<br>Pakosku                         | 289,706<br>856,459                            | 50<br>57                               | 8 9                           | 6,941<br>7,987          | 7,080<br>7,416          | 13,971<br>15,353          | 1,746<br>1,706<br>1,186      | 13,734                  | 2,704<br>8,211        | 5,057<br>5,458                    | 11,894                    | 847<br>478    |
| 32<br>33 | Minbu<br>Magwe                               | 233,377<br>246,708                            | 71<br>85                               | 7 8                           | 4,150<br>5,748          | 4,183<br>6,850          | 8,303<br>12,598           | 1,186                        | 8,957<br>12,847         | 2,149<br>3,980        | 4,858<br>7,566                    | 18,886<br>7,772<br>11,539 | 118<br>265    |
| 1        | Total _                                      | 1,076,280                                     | 63                                     | 82                            | 24.745                  | 25,479                  | 50,225                    | 1,570                        | 49,816                  | 11,994                | 27,480                            | 44,591                    | 1,708         |
|          | MRIETILA DIVISION.                           |   |  |                               |                         |                         |                           |                              |                         |                       |                                   |                           |               |
| 84<br>85 | Meiktila<br>Yamethin                         | 252,305<br>243,197                            | 116<br>57                              | 6 7                           | 8,158                   | 8,188<br>4,808          | 6,198<br>9,743            | 1,033                        | 6,184                   | 861<br>8,922          | 4,804                             | 6,009<br>8,4°7            | 84<br>508     |
| 36<br>37 | Kyanksė<br>Myingyan                          | 141,953<br>856,052                            | 111                                    | 7 3 7                         | 2,145<br>6,676          | 8,915<br>6,886          | 4,863<br>18,862           | 1,454                        | 4,927<br>18,078         | 2,497<br>8,426        | 1,182<br>6,282                    | 3,779<br>11,723           | 71<br>889     |
|          | Total  | 992,807                                       | 91                                     | 23                            | 16,817                  | 17,047                  | 83,864                    | 1,472                        | 88,079                  | 10,006                | 17,578                            | 29,998                    | 1,047         |
|          | SHAN STATES.                                 |   |  |                               | 15 15 15                |                         |                           | 1                            | -                       | 1000                  |                                   |                           |               |
| 38       | Northern Shan States<br>Southern Shan States | 821,(90<br>816,854                            | 22<br>19                               | 8                             | 1,092                   | 9,004                   | 2,082<br>18,584           | 254<br>1,689                 | 2,001                   | 2,379                 | 655<br>7,570                      | 1,417                     | 884           |
|          | Total  | 1,137,444                                     | 20                                     | 19                            | 10,672                  | 9,944                   | 20,616                    | 1,085                        | 20,435                  | 2,198                 | 8,925                             | 17,042                    | 891           |
|          | CHIN HILLS                                   |   |  | 1                             |                         |                         |                           |                              |                         |                       |                                   |                           |               |
| 40       | Chin Hills                                   | 87,189  | 11                                     | 3                             | 1,677                   | 755                     | 2,432                     | 811                          | 2,897                   | 1                     | 472                               | 1,687                     | 493           |
|          | GRAND TOTAL                                  | 10,477,508                                    | 45                                     | 259                           | 207,651                 | 174,675                 | 882,826                   | 1,476                        | 835,415                 | 87,548                | 152,626                           | 800,928                   | 13,838        |
| -        |  |   |  |                               |                         |                         |                           |                              |                         |                       |                                   |                           |               |
| 1        |  | -   | ander " Pr                             | 1                             |                         |                         |                           |                              |                         |                       |                                   |                           |               |

Foot-Nors,—The figures given under "Primary Vaccination" and "Re-vaccination" respectively do not include second operations these operations in the figures shown in this "This number excludes IG Registrar † Statistics of Prapin have Nors.—Area and population of the

## DEPARTMENT.

## Province of Burma during the year 1908-09 (Paragraphs 3, 4,6 and 8).

| Ra                  | -VACCINAT        | ION.              | BUCCESSFT               | CL CASES IN<br>TE RESULTS<br>ENGWN. | successfully vacci-<br>per 1,000 of popula- | ENOWN                 | AGE OF UN-<br>CASES TO<br>L CASES. | VACCINATE                 | NUAL NUMBER<br>SUCCESSFULLY<br>D DURING<br>IVE TEARS. | BER OF DE          | NNUAL NUM-<br>EATHS FROM<br>DURING FRE-<br>VE YEARS. |   |
|---------------------|------------------|-------------------|-------------------------|-------------------------------------|---|-----------------------|------------------------------------|---------------------------|---|--------------------|--|---|
| Potal.              | Success-         | Un-<br>known.     | Primary.                | Re-vacci-<br>nation.                | Persons succe-<br>nated per 1,<br>tion,     | Primary.              | Re-vaccis                          | No.                       | Ratio per<br>1,000.                                   | No.                | Ratio per<br>1,000,                                  | 1 |
| 40                  | 14               | 15                | 16                      | 17                                  | 18  | 19                    | 80                                 | 21                        | 22  | -                  |  | _ |
| 18                  | 18               | 40                |                         | 1                                   | 1   | 1                     | 200                                |                           | 22  | 23                 | 24   |   |
|                     | 410              | 30                | 90-97                   | 68-41                               | 26-86                                       | 1.23                  | 1.00                               | 11.004                    | 20.11   | Si-tox             | A PARTY  | ı |
| 131                 | 108              | -                 | 94-68                   | 82-44                               | 56-81                                       | 2-68                  | 4-68                               | 939                       | 23-41<br>45-39  | 154                | -32  |   |
| 863<br>124          | 188<br>33        | 106               | 92-68<br>90-63          | 73-15<br>25-61                      | 55-94<br>19-93                              | 7-92                  | 29 20                              | 5,631<br>2,043            | 38-35<br>12-53  | 54                 | -32  | l |
| 1,259               | 747              | 186               | 91-74                   | 66-52                               | 83-29                                       | 3.80                  | 10-80                              | 19,892                    | 26-10   | 214                | -28  |   |
| 47                  | 190              |                   | 0000                    | 59-71                               | *****                                       |                       |                                    |                           |   | -                  | - 1111042  |   |
| 831                 | 9,516            | 6,767<br>26<br>18 | 98-82<br>89-70<br>93-80 | 140-12                              | 59-08<br>8-95<br>20-28                      | 16.78<br>4.07<br>2.86 | 29-81<br>3-13<br>3-78              | 12,521<br>3,616<br>9,591  | 50-35<br>7-68<br>29-13                                | 877<br>656         | 1.52   | ı |
| 476<br>13<br>810    | 804<br>7<br>887  | 209               | 91-63<br>90-26          | 53:85<br>56:07                      | 23:31<br>32:18                              | 1-91<br>8-04          | 25-80                              | 12,251<br>14,498          | 30-97<br>39-63  | 208<br>352<br>191  | *61<br>*89<br>*52                                    | ı |
| 4,883               | 10,587           | 7,020             | 94.86                   | 59-43                               | 25-80                                       | 5.07                  | 28-27                              | 62,776                    | 25-99   | 1,683              | -92  |   |
|                     |                  |                   |                         |                                     |   |                       |                                    |                           |   | and see            | want .   |   |
| 805<br>871<br>1,238 | 139<br>949       | 2                 | 97·32<br>94·30          | 45-57<br>67-48                      | 10-38<br>7-94<br>82-43                      | -12                   |                                    | 6,258                     | 12-43   | . 416              | . *83  |   |
| 390                 | 512<br>165<br>68 | 162<br>81<br>10   | 96-38<br>93-40<br>95-30 | 46-93<br>45-96<br>48-57             | 82'48<br>25'29<br>29'28                     | 4:07<br>7:54          | 12-93<br>7-95<br>6-67              | 15,807<br>31,696<br>8,569 | 40-38<br>65-41  | 235<br>300         | -60  | ı |
| 2,469               | 1,183            | 205               | 95-12                   | 50-04                               | 2276  | 5-05                  | 8:30                               | 62,330                    | 37-47   | 1,222              | *98  |   |
|                     |                  | -                 |                         |                                     |   |                       |                                    |                           |   |                    |  | ı |
| 069                 | \$33<br>1,960    | 56<br>324         | 91·47<br>90·93          | 54-32<br>34-52                      | 63-43<br>62-61                              | 3-07<br>14-63         | 8-37<br>8-15                       | 18,347<br>9,015           | 61·12<br>82·24  | 113                | *38  |   |
| 64                  | 32<br>512        | 207               | 89-97<br>94-41          | 54-94<br>46-67                      | 64-56<br>20-69                              | 2·19<br>8·32          | 7.81<br>15.87                      | 5,809<br>7,498            | 19:83<br>20:86  | 127                | -01  |   |
| 102<br>585          | 244              | 2                 | 90°17<br>82°81          | 18-67<br>41-85                      | 23-10                                       | -                     | 34                                 | 5,840<br>745              | 17-00<br>19-68  | 133                | '39  | - |
| 0,698               | 2,398            | 591               | 92-42                   | 39-29                               | 39-86                                       | 4.69                  | 8.87                               | 46,784                    | 40-35   | 885                | *85  |   |
|                     |                  |                   | 97-24                   | 66-67                               | 94.70                                       |                       |                                    | ** ***                    |   | and an             | and the  |   |
| 451                 | 1,098            | 91                | 92-52<br>95-34          | 47:95                               | 84·73<br>88·77<br>20·53                     | 9-26<br>2-34          | 18.92                              | 11,592<br>8,258<br>2,87   | 31·60<br>40·98<br>16·10                               | 118                | *84  |   |
| 9                   | 2                | =                 | 82-44<br>88-48          | 22-22                               | 24:85<br>16:36                              | 18:35                 | ==                                 | 2,520<br>1,044            | 25.73<br>15.49  |                    |  |   |
| 2,148               | 1,287            | 102               | 94-03                   | 62-90                               | 29-24                                       | 4:16                  | 4-75                               | 21,241                    | 27-33   |                    |  | ı |
|                     |                  |                   |                         |                                     |   |                       |                                    |                           |   | network and        |  |   |
| 233                 | 158              | 38                | 95-05                   | 73:49                               | 89-04                                       | 8-12                  | 15.02                              | 11,042                    | 88-49   | 31                 | 11   |   |
| 1,897               | 3,991<br>1,314   | 13                | 96-93<br>98-57<br>90-51 | 78·19<br>69·75                      | 65-65<br>51-05                              | 2-31                  | 6.07                               | 13,844<br>12,530<br>0,000 | 48-98<br>45-33  | 88<br>16           | *81<br>*06   |   |
| 7,684               | 5,463            | 381               | 96-97                   | 75-84                               | 80-06                                       | 6-57<br>2-55          | 5-02                               | 9,069                     | 58-68<br>46-46  | 135                | -16  | l |
|                     |                  |                   |                         |                                     |   |                       |                                    |                           |   | pluriot ex         | 100  |   |
| 237<br>375          | 151              | 28                | 88:41<br>95:77          | 72.25<br>24:06                      | 48-16                                       | 6:17<br>8:19          | 11:81<br>9:87                      | 12,947                    | 53-60<br>22-86  | 23<br>178          | -10  |   |
| 46 251              | 83<br>25<br>165  | 3<br>45           | 95-49<br>95-51          | 58·14<br>80·10                      | 83-41                                       | 1-43<br>2-15          | 0.62<br>17:93                      | 8,150<br>6,093<br>11,172  | 20-11<br>45-25  | 2 33               | ·01<br>·13   | 1 |
| 909                 | 424              | 113               | 93 66                   | 53-27                               | 41/82                                       | 3-16                  | 12:48                              | 38,263                    | 85-55   | 230                | -24  | - |
|                     |                  | -                 | 1                       |                                     |   | 1                     | 1                                  |                           |   | THE REAL PROPERTY. | The state of   |   |
| 153                 | 116              | 27                | 98-51<br>93-40<br>90-93 | 91.67<br>90.06<br>92.37             | 23.88<br>35.97<br>27.61                     | 1°36<br>5°25          | 17:65<br>3:68<br>9:71              | 8,954<br>10,003<br>4,629  | 35-49<br>41-13<br>32-77                               | 40<br>92           | *16<br>*39   |   |
| 186                 | 121<br>223       | 97                | 85.00                   | 51-03                               | 23:55                                       | 1.68<br>2.97          |                                    | 11,115                    | 31-23   | 142                | -40  |   |
| 785                 | 471              | 79                | 93'65                   | 66-71                               | 80-69                                       | 3.17                  | 10-06                              | 34,701                    | 31-95   | 275                | 28   | - |
| 31                  | 19               | .6                | 86-56                   | 76-00                               | 4-47  | 18-19                 | 19:35                              | 4,693                     | 14.62   | -                  |  |   |
| 181                 | 110              | 13                | 87:36                   | 94-89                               | 19:90                                       | 4/36                  | 10-50                              | 12,848                    | 9.99  |                    |  |   |
| -OA                 | 140              |                   |                         |                                     | -   |                       |                                    |                           |   |                    |  | 1 |
| 45                  | 16               | 27                | 89-07                   | 88-89                               | 19-53                                       | 20-65                 | (0-00                              | 1,847                     | 16-45   |                    |  | - |
| ,911                | 22,675           | 8,676             | 98-58                   | 59-30                               | 30-89                                       | £18                   | 18'49                              | 836,666                   | 32-13   |                    |  | 1 |
| 225,7               | N 1 24           | 1981              | 200                     | 93 8                                | 3 21 /                                      | 1000                  | 111/19                             | 9 0 000                   | The Contract of                                       |                    | 1183   |   |

performed in consequence of the failure of a first Vaccination or re-vaccination, but the orders of the Government of India to include statement will be observed in future statements.

Vaccinators whose work has been included, been lectuded in Ma-ubin.

Pakokku Chin Hills have been excluded.

## A.—VACCINATION STATEMENT No. II.—Showing the cost of the Department in the

|                            |                                       | Dank,               | -1950 |                 |           | 1               | .10. 7101          | rate.       |                                      |         | EXPENDIT  | URR.         |                 |                                      |
|----------------------------|---------------------------------------|---------------------|-------|-----------------|-----------|-----------------|--------------------|-------------|--------------------------------------|---------|-----------|--------------|-----------------|--------------------------------------|
| No.                        | Circles :                             | and Districts       | 79    | European super- | Pay.      | Native supervi- | Pay.               | Vaccinators | Pay.                                 | Clerks. | Pay.      | Pecens, etc. | Pay.            | Total pay of<br>establish-<br>ment,  |
| 1                          |                                       | 9                   |       | 8               | 4         | 6               | 6                  | 7           | 8                                    | 9       | 10        | 11           | 19              | 13                                   |
|                            | ARAK                                  | AN DIVISION.        |       |                 | Rs. A. P. |                 | Rs. A. P.          | 21          | Rs. a. P.                            |         | Rs, a. P. | 1            | Rs. A. F.       | Rs. A. P.                            |
| 1                          |                                       |                     |       |                 |           | 2               | 825 0 0            | 10          | 2,608 11 10                          |         |           |              |                 | 3,488 11 10                          |
| 9 8                        | Akyab<br>Hill Tracts, N<br>Kyaukpyu   | forthern Ara        | kan   |                 | ******    | •1              |                    | 8           | 672 6 8<br>1,638 9 6                 |         | ******    |              |                 | 672 6 8<br>1,638 9 6                 |
| •                          | Sandoway                              |                     |       |                 | ******    | 1               | 100 0 0            | 3           | 862 9 10                             | -       | *****     |              | ******          | 962 9 10                             |
|                            | 13                                    | Total               |       |                 | ******    |                 | 925 0 0            | 21          | 5,777 5 10                           |         | *****     |              |                 | 6,702 5 10                           |
|                            | Page                                  | Division.           |       |                 | Hard.     |                 |                    |             | THE PARTY NAMED IN                   |         | 1979      |              | 1 1 1 1 1 2 2   | 1982                                 |
|                            | Rangoon                               |                     |       |                 |           | 3               |                    | 8 6         | 2,95 <b>5</b> 12 0<br>1,641 0 6      |         | ******    | 4            | <b>5</b> 73 3 0 | 3,598 15 0                           |
| 6789                       | Hanthawadd<br>Pegu                    | y                   | ***   |                 | ****      | 3               | 890 0 0<br>610 0 0 | 8           | 2.354 7 6                            |         | ******    |              |                 | 2,744 7 6<br>2,986 5 13              |
| 9                          | Prome                                 | = =                 | -     |                 | ******    | 1               | 900 0 0<br>670 0 0 | 12          | 2,375 5 11<br>8,465 8 0              |         |           |              | 30.00           | 4,065 8 0                            |
|                            |                                       | Total               | ***   | -               |           | 8               | 2,100 0 0          | 37          | 12,792 1 11                          | _       |           | 4            | 578 8 0         | 15,565 4 11                          |
|                            |                                       |                     |       | -               |           | -               |                    | -           |                                      | -       |           |              | 0.0 0           |                                      |
| 21                         | San Colored                           | DIVISION            |       |                 | 118.5     | 1.              |                    | 1.          |                                      | 123     | 1 2271    | 0            | -               | 1 010 14 1                           |
| 10                         | Ma-ubin<br>Pyapôn                     |                     |       | ***             | ******    | 1               | 600 0 0<br>600 0 0 | 6           | 1,019 14 5                           | ***     |           | ***          | *****           | 1,612 14 6<br>2,439 15 11            |
| 10<br>11<br>12<br>13<br>14 | Bassein<br>Henzada                    |                     |       |                 | *****     | 1 1             | 810 0 0<br>600 0 0 | 15          | 2,573 5 7<br>4,102 8 8<br>1,791 11 2 |         |           |              |                 | 8,413 5 7<br>4,702 8 8<br>2,391 11 9 |
|                            | Myaungmya                             | Total               |       |                 |           | 6               | 8,240 0 0          | -           | 11,320 7 9                           | -       |           |              |                 | 14,560 7 8                           |
|                            | TENASSE                               | RIM DIVISIO         |       |                 |           | -               | -                  | -           | -                                    | -       |           |              |                 |                                      |
| 15                         | Amherst                               |                     |       |                 |           | 2               | 1,200 0 0          |             | 2,441 4 0                            |         | 120 0 0   |              |                 | 3,761 4 0<br>1,786 9 0               |
| 15<br>16<br>17<br>18<br>19 | Mergui                                | - ::                | ***   |                 |           | 1 1             | 600 0 0            | 4           | 1,186 9 0<br>976 8 0                 |         |           |              | ******          | 1,576 8 0                            |
| 18<br>19<br>20             | Toungoo<br>Thaton                     |                     | ***   |                 |           | 1               | 591 9 10           | 6           | 1,557 0 0<br>1,852 0 6               |         | *****     |              |                 | 2,453 10 4<br>300 0 0                |
| 20                         | Salween                               | Total               |       |                 |           | -               | 3,591 9 10         | 1 00        | 8,328 5 6                            | -       | 120 0 0   |              |                 | 12,034 15                            |
|                            | MANDAS                                | AY DIVISION         | ***   | -               |           | 6               | 0,001 0 10         | - 04        | 8,328 5 6                            | 1       | 120 0 0   |              |                 | 11,001 10                            |
| 91                         | Mandalay                              |                     | -     |                 | 100       | 1               | 509 0 0            | 10          | 3,841 14 0                           |         |           |              |                 | 6,440 16 (                           |
| 91<br>92<br>93<br>94<br>95 | Bhamo<br>Katha                        | ***                 | -     |                 | ******    |                 |                    | 4           | 1,963 2 5<br>5/8 10 8                | ***     |           |              |                 | 1,963 2 8<br>628 10 8                |
| 94<br>95                   | Ruby Mines<br>Myitkyina               |                     |       |                 |           | 1               | 56 6 10            | 2           | 711 6 1                              |         | *****     |              | *****           | 711 6                                |
|                            |                                       | Total               |       |                 |           | 2               | 655 6 10           | 24          | 7,885 8 2                            |         |           |              | *****           | 8,510 10 0                           |
|                            | SAGAII                                | eo Division.        |       |                 |           |                 |                    |             | 1                                    |         |           |              |                 |                                      |
| 98<br>97                   | Shwebo<br>Sagaing                     |                     |       |                 |           | 1               | 591 10 8           | 8           | 2,041 1 5<br>1,700 9 1               |         |           | =            |                 | 2,682 12 1<br>1,700 9                |
| 95<br>97<br>98<br>99       | Sagaing<br>Lower Chind<br>Upper Chind | win                 |       | -               |           | 1               | 550 0 0            |             | 1,680 8 11                           |         |           | -            |                 | 1,700 9<br>2,230 8 1<br>1,867 7 1    |
|                            | 6-                                    | Total               |       | -               | *****     | 4               | 1,141 30 8         | 25          | 7,289 11 8                           | -       |           |              |                 | 8,431 5 11                           |
|                            | Magy                                  | VE DIVISION.        |       |                 |           |                 |                    |             |                                      |         |           |              |                 |                                      |
| 30                         | Thayetmyo<br>Pakkoku                  |                     | 100   |                 | ******    | 1               | 800 0 0<br>600 0 0 |             | 2,259 7 2<br>2,314 7 8               |         | *****     |              |                 | 2,859 7 1                            |
| 30<br>31<br>83<br>83       | Minbu<br>Magwe                        |                     |       |                 |           | 1 2             | 640 0 0            | 1 7         | 1,916 3 1<br>1,093 4 2               | ***     |           |              |                 | 1,915 3 1<br>2,838 4 9               |
| 2                          |                                       | Total               | ***   |                 |           | 5               | 1,840 0 0          | -           | 8,188 6 1                            | -       |           |              |                 | 10,028 6                             |
|                            | Meiry                                 | LA DIVISION.        |       |                 |           | -               |                    | -           |                                      | -       |           |              |                 |                                      |
| 84                         | Meiktila Vacc                         |                     |       | 1               | 600 0 0   |                 | 1,200 0 0          | 1           | 681 8 2                              | 2       | 1,980 0 0 | 8            | 1,292 13 8      | 5,034 5                              |
| 85<br>86<br>87<br>88       | Meiktila<br>Yamethin                  |                     | ***   | ***             | *****     | 11 2            | 655 0 0            | 7           | 1,514 5 2 1,892 5 3                  | ***     | ******    |              |                 | 6,652 15 1<br>2,547 6                |
| 38                         | Kyauksè<br>Myingyan                   | -                   | ***   |                 |           | 1               | 600 0 0            | 3 7         | 955 15 0<br>1,539 6 2                |         | ******    |              | ******          | 955 15<br>2,169 6                    |
|                            |                                       | Total               |       | 1               | 600 0 0   | 6               | 7,598 10 5         | 23          | 6,613 7 9                            | 2       | 1,280 0 0 | 8            | 1,298 18 8      | 17,859 15                            |
|                            | SHAN                                  | STATES.             |       |                 |           |                 |                    |             |                                      | -       |           |              | - /             |                                      |
| 10                         | Northern Shar<br>Southern Shar        |                     |       |                 | *****     | 2 6             | 750 0 0<br>475 0 0 |             | 1,393 5 6<br>8,109 7 7               |         | *****     | 8            | 1,768 4 11      | 2,148 5<br>5,852 12                  |
|                            |                                       | Total               | 101   |                 |           | 7               | 1,225 0 0          | -           | 4,502 13 1                           |         |           | 8            | 1,768 6 11      | 7,496 2                              |
| 11                         | Chin Hills                            |                     |       |                 |           |                 |                    | -           | e52 0.21                             |         |           |              |                 | 252 Q 11                             |
| -                          | Calm string                           |                     | ***   | ***             | 10101     |                 | 191164             | 3           | 757 9 11                             | ***     |           |              |                 | 757 9 1                              |
| 1                          | The state of                          |                     | eren  |                 | -         | 100             | 1 2                |             | 10001                                |         | P PERCE   |              | 174- 149        | DE MESS                              |
|                            | GRAND T                               | OTAL                |       | 1               | 600 0 0   | 48              | 22,412 5 9         | 259         | 78,420 8 8                           | 3       | 1,880 0 0 | 20           | 3,634 5 2       | 1,01,447 3 1                         |
|                            |                                       | minore and a second | 400   | -               |           | 1               |                    |             | St. Constant                         |         | -         |              |                 |                                      |

† Apprentice

DEPARTMENT.

Province of Burma during the year 1908-09 (Paragraphs 1 and 11).

| Marie                            |            |  |                    |                                      | PAID FROM                            |                      |                   |                                      | DCCC:  |   |    |
|----------------------------------|------------|--|--------------------|--------------------------------------|--------------------------------------|----------------------|-------------------|--------------------------------------|--|---|----|
| Fravelling<br>Howance,           | Contingen- | Total cost.                            | Imperial<br>Funds. | Provincial<br>Funds.                 | Local<br>Funds,                      | Municipali-<br>ties. | Native<br>States. | Total.                               | Number of all success-<br>ful vaccinations and<br>re-vaccinations. | Average<br>cost of<br>each<br>successful<br>case, | N  |
| 14                               | 15         | 16                                     | 17                 | 18                                   | 19                                   | 80                   | 21                | 22                                   | 23   | 24  | 2  |
| Rs. A. P.                        | Rs. A. P.  | Rs. a. P.                              | Rs. A. P.          | Rs. A. P.                            | Rs. A. F.                            | Rs. a. r.            | Rs. A. P.         | Rs. A. F.                            | -  | Rs. A. P.   |    |
| 129 8 2<br>166 1 0               |            | 4,558 4 0<br>828 7 8<br>2,924 2 0      |                    | 825 7 8                              | 4,205 4 0                            | 852 0 0              |                   | 4,558 4 0<br>828 7 8                 | 19,989   | 0 5 8<br>0 11 3                                   |    |
| ,285 8 6<br>600 10 0             |            | 2,924 2 0<br>1,563 3 10                |                    |                                      | 2,813 2 7<br>1,443 3 10              | 110 15 5<br>120 0 0  | *****             | 828 7 8<br>2,924 2 0<br>1,563 8 10   | 9,444<br>1,812   | 0 4 11 0 13 10                                    |    |
| ,171 11 8                        |            | 9,874 1 6                              | / maren            | 823 7 8                              | 8,462 10 8                           | 582 15 5             |                   | 9,874 1 6                            | 25,370   | 0 6 3   |    |
| -                                |            |  |                    |                                      |                                      |                      |                   |                                      |  |   |    |
| 478 2 9<br>,564 10 3<br>,102 6 2 | 4,434 9 8  | 8,441 4 5                              |                    | 521 14 0                             | 3,905 10 9                           | 7,919 6 6            |                   | 8,441 4 5                            | 14,897<br>4,189  | 0 9 1   |    |
| 549 1 9                          |            | 8,845 18 8<br>4,534 7 8<br>5,464 9 6   | ******             | ******                               | 3,1:6 13 8<br>4,534 7 8<br>4,549 9 6 | 740 0 0              | ******            | 8,846 13 8<br>4,531 7 8<br>5,464 9 6 | 6,886<br>9,122   | 0 8 11 0 7 10                                     |    |
| ,899 1 6                         |            |  |                    |                                      |                                      | 915 0 0              | ******            | 5,464 9 6                            | 11,770   | 0 7 5   |    |
| 093 6 5                          | 4,434 2 8  | 26,092 14 0                            |                    | 521 14 0                             | 15,996 9 7                           | 9,574 6 5            | *****             | 25,092 14 0                          | 46,964   | 0 8 11  |    |
| 850 1 0                          |            | 1,942 15 5                             |                    |                                      | 1,962 15 5                           |                      | ******            | 1,962 15 6                           | 2,940  | 0 10 8  | 3  |
| 936 11 0<br>493 10 9             | ******     | 8,696 10 11<br>4,907 0 6<br>6,493 11 2 | ******             | ******                               | 8,188 13 2<br>4,172 0 4              | 557 13 9<br>785 0 0  | ******            | 8,69e 10 11<br>4,9.7 0 4             | 12,604   | 2 1 1 0 6 2                                       |    |
| 791 2 6<br>219 14 0              |            | 6,493 11 2<br>8,611 9 2                | ******             | *****                                | 5,038 11 2<br>3,857 1 2              | 1,455 0 0<br>254 8 0 | ******            | 6,493 11 2<br>8,611 9 2              | 12,:55<br>8,180  | 0 8 6 0 7 1                                       |    |
| 111 7 8                          |            | 20,871 15 0                            |                    | ******                               | 17,669 9 3                           | 3,002 5 9            | *****             | 20,671 15 0                          | 37,857   | 0 8 9   |    |
| 290 15 6                         | 27 15 6    | 5,180 3 0<br>2,406 1 0                 |                    |                                      | 6,119 3 0                            |                      | *****             | 5,180 3 0<br>2,406 1 0               | 19,041   | 0 4 4   |    |
| 619 8 0<br>933 12 9<br>238 2 0   | ******     | 2,406 1 0<br>2,510 4 9<br>3,395 2 0    |                    | ******                               | 2,163 0 0<br>2,270 4 9<br>2,915 2 0  | 210 0 0              | ******            | 2,510 4 9<br>3,395 2 0               | 6,886<br>5,729<br>5,779  | 0 5 7 0 0 9 5                                     |    |
| 238 2 0<br>228 7 6<br>185 8 0    |            | 3,689 1 10<br>435 8 0                  | *****              |                                      | 435 8 0                              |                      | ******            | 8,6-2 1 10<br>435 8 0                | 5,779<br>7,934<br>856  | 0 7 5   |    |
| 545 5 9                          | 27 15 6    | 17,609 4 7                             |                    |                                      | 15,285 3 7                           | 2,824 1 0            |                   | 17,609 4 7                           | 46,925   | 0 6 1   |    |
| 944 3 0                          | 17 7 10    | 5,402 8 10                             |                    | 3,211 12 7                           |                                      | 2,190 12 3           |                   | 5,402 8 10                           | 12,780   | 0 6 9   |    |
| 682 6 0<br>322 8 6               | ******     | 1,196 8 6                              |                    | 1,588 6 5<br>851 8 2<br>1,152 7 11   | 100000                               | 307 2 0              |                   | 1,895 8 5<br>851 3 2                 | 3,0:3  | 0 9 10  |    |
| 381 15 6<br>296 12 11            | 1 14 0     | 1,948 8 4<br>1,010 1 0                 |                    | 1,010 1 0                            |                                      |                      | 796 0 5           | 1,948 8 4                            | 1,116  | 0 14 4  |    |
| ,577 18 11                       | 19 5 10    | 11,107 13 9                            | *****              | 7,813 15 1                           | ******                               | 2,497 14 8           | 796 0 5           | 11,107 13 9                          | 22,726   | 0 7 10  |    |
| 250 10 6                         |            | 8,886 14 7                             | *****              | 3,646 14 7                           |                                      | 240 0 0              | *****             | 8,886 14 .7                          |  | 0 5 7   |    |
| 928 12 0<br>4:1 5 9<br>,113 15 4 | 6 12 0     | 2,629 5 1<br>2,718 10 8<br>2,981 7 2   |                    | 2,829 5 1<br>2,884 10 8<br>2,981 7 8 |                                      | 834 0 0              |                   | 2,639 5 1<br>2,718 10 8<br>2,981 7 2 |  | 0 2 3 0 8 1                                       |    |
| 774 11 7                         | 10 4 0     | 12,215 5 6                             |                    | 11,642 5 6                           |                                      | 574 0 0              |                   | 1,2216 5 6                           |  | 0 7 8   | l  |
|                                  | -          | 8,835 11 2                             |                    |                                      | 3,225 11 9                           | 610 0 0              | LINT              | 8,835 11 9                           |  |   |    |
| 976 4 0<br>551 5 6<br>526 1 0    | ******     | 2,442 4 1                              |                    | 4,200 18 9<br>1,842 4 1              |                                      | 265 0 0<br>600 0 0   |                   | 4,465 13 2                           | 13,969   | 0 5 4<br>0 5 1<br>0 5 0<br>0 4 7                  |    |
| 018 7 0                          | *****      | 8,351 11 2                             | ******             | 8,061 11 9                           |                                      | 800 0 0              | *****             | 3,861 11 2                           | 11,704   |   |    |
| 067 1 6                          |            | 14,095 7 7                             |                    | 9,004 12 (                           | 3,225 11 9                           | 1,775 0 0            | ******            | 14,095 7 7                           | 45,015   | 0 5 0   | 1  |
| 616 12 6<br>787 4 8              |            | 9,783 13 6<br>7,440 8 10               | ******             | 9,788 13 6                           |                                      | 245 0 0              |                   | 9,788 13 6<br>7,440 3 10             | 6,020  | 1 3 9   |    |
| 961 0 8<br>456 2 0               |            | 3,508 5 6<br>1,412 1 0<br>3,144 7 2    |                    | 2,872 5 6<br>1,412 1 0<br>2,856 15 2 |                                      | 287 8 0              |                   |                                      | 3,900  | 0 6 6   | )  |
| 706 4 0                          |            | -                                      |                    | 24,120 7 (                           |                                      | 1,168 8 0            |                   | 25,238 15                            | 30,469   | 0 4 8   | -0 |
|                                  |            |  |                    | 649 10 10                            |                                      |                      | 0 001 14          | 20-5 10                              |  |   | 1  |
| ,882 6 6<br>,271 0 0             |            | 3,975 12 0<br>7,694 8 6                |                    | 7,094 8 (                            |                                      | ******               |                   |                                      | 1,5755   | 0 7 1   |    |
| ,103 6 6                         | 70 12 0    | 11,670 4 6                             | *****              | 8,318 5                              |                                      | *****                | 8,881 15          | 2 11,670 4                           | 6 17,191   | 0 10 10   | 0  |
| 462 8 0                          |            | 1,220 1 11                             | ******             | 1,220 1 1                            |                                      |                      |                   | 1,920 1 1                            | 1,703  | 011   | 6  |
| MAT.                             |            |  | DAT                | 43 FOE 3                             |                                      |                      | 4100              |                                      |  | The same  | 1  |
| 704 12 7                         | 8,695 8 2  | 1,49,847 8 4                           | ******             | 03,000 # 1                           | -01/009 III                          | 21,499 2 10          | 1,12/ 15          | 1,49,517 3                           | * 3,43,633   | 0 7   | 5  |

at Melktila.

Vaccinators.

districts for the period of their training at Meiktila-

## B.-DISPENSARY

## STATEMENT No. III .- Showing Dispensary Vaccination in the

|       |                                |           |          |             |      | Number of  | Arama   |   | -   | Pars              |
|-------|--------------------------------|-----------|----------|-------------|------|--|---|---|---|-------------------|
| 0.    |                                | D         | Istricts |             |      | dispensaries in<br>each district to<br>which a vacci-<br>nator is at-<br>tached. | Average number<br>of vaccinators<br>attached to<br>dispensaries<br>during the year. | Total number<br>of persons<br>vaccinated. | Average number<br>of persons vac-<br>cinated by each<br>vaccinator, | Total.            |
|       |                                |           |          |             |      |  | 7   |   | 1 14  |                   |
|       |                                |           | 2        |             |      | 3  | 4   | 5   | 6   | 7                 |
| 1     |                                | ARAKAN    |          | ON.         | 1    | 21 51 11   |   |   |   |                   |
| 2     | Akyab<br>Hill Tracts, N        | orthern / | Arakan   |             |      |  |   | 92  | ******  |                   |
| 8     | Kyankpyn<br>Sandoway           |           | ***      | ***         |      | ******   |   | 1,341                                     | Pasters .   | 1,216             |
| 1     |                                |           |          |             |      |  |   |   |   |                   |
| 1     |                                | 102       |          | Total       | ***  | ******   |   | 1,681                                     |   | 1,49              |
| 1     |                                | Prou      | Divisio  | OK.         | 20   |  |   |   | Carrie To   | 6 22              |
| 5     | Rangoon<br>Hanthawaddy         | ***       |          | ***         | =    |  |   | 2,245                                     |   | 335               |
| 8     | Pegu                           | =         | ***      | ***         | ***  | *****  |   | 54  | ******  | 54<br>7           |
| 8     |                                |           | =        | =           | -    |  |   |   |   |                   |
| 1     |                                |           |          | Total       |      |  |   | 2,306                                     |   | 844               |
|       | I I                            | BAWADD    | Y Divi   |             | -    | *****  |   | 2,000                                     |   | 399               |
|       | Manhia                         |           |          |             |      |  |   | 808                                       |   |                   |
| 0     | Pytopon                        | ***       | ***      | * ***       | ***  |  |   | ******                                    |   | 84                |
| 2 3   | Henzada                        |           |          | -           |      | ******   |   | 1,871                                     |   | 286<br>286<br>210 |
| 4     | Myaungmya                      |           | ***      | Total       |      |  | ******  | 916                                       |   |                   |
| 1     |                                |           |          | Total-      |      |  |   | 3,520                                     | ****  | 741               |
| 1     |                                | ENASSERI: | M DIVI   | 110N+       | 7, 4 |  |   |   |   |                   |
| 5     | Transaction                    |           |          |             |      | ******   |   | 67  |   | 62                |
| 2     | Mergui                         |           | ***      | ***         | ***  | 100.00   |   | 92  | ******  | 99                |
| 55789 | Thaten                         |           |          |             |      |  | *****   | 85<br>66                                  | ******  | 76<br>63          |
| 0     | Salween                        |           |          | Total       |      |  |   | 45  |   | 88                |
|       | -                              | SANDALA   | y Dryes  |             | -    |  |   | 345                                       | *****   | 821               |
| 1     |                                | ***       |          |             | 9 5  | 2 10000  | 100   | ***                                       | 100   |                   |
| 2     | Bhamo                          | ***       |          |             |      | *****  |   | 503                                       |   | 180               |
| 3     | Ruby Mines                     | ***       | ***      |             |      | *****  | ******  | 784<br>12                                 |   | 498               |
| 5     | Myitkyina                      |           | ***      |             |      |  |   | 18  |   | 18                |
| 1     |                                | 2         | D        | Total       | -    |  |   | 1,842                                     |   | 708               |
| 1     | 01.                            | SAGAING   | DIVISI   | 034         |      | -  | I B LOCAL   |   | 100   |                   |
| 5     | Sagaing .                      | -         |          | -           | -    |  |   | 52<br>12                                  | - 11 D  | 42<br>12          |
| 51 E  | Lower Chindwi<br>Upper Chindwi |           | =        | =           | ***  | toptes   | ******  | 19 209                                    |   | 11                |
| 1     |                                |           | -        | Total       |      | *****  |   |   |   | 260               |
| 1     |                                | IAOWE I   | Division |             | -    |  |   | 815                                       |   | 325               |
| 1     | -                              |           |          |             |      | The same of  |   | 1001                                      | 200   | -                 |
| 2.10  | Pakikku .                      |           |          | ***         | ***  | *****  | *****   | 1,261<br>258                              |   | 798<br>258        |
|       | At a come                      |           |          |             |      |  |   | 112                                       |   | 119               |
| 1     |                                |           |          | Total       |      | *****  |   | 1,631                                     |   | 1,096             |
| 1     | M                              | BIETILA   | Drviso   | 0% <b>.</b> |      |  | 4948  | T   | A RELEASE   | The same          |
|       |                                |           |          | ***         |      | *****  |   | 490                                       |   | 929               |
|       | Kyanksè .                      | -         |          | ***         |      | *****  | *****   | 58  |   | 53                |
|       | Myingyan .                     |           |          | T-1-1       |      |  |   | *****                                     |   | ******            |
| 1     |                                | C         |          | Total       |      | *****  |   | 543                                       |   | 278               |
| 1     | Northern Shan                  | SHAN S    |          |             |      | - 2000   | 6.01803   | -   | 200   | 1800              |
| 1     | Southern Shan                  | States    |          |             | -::  |  | ******  | 225<br>84                                 |   | 167<br>16         |
| 1     |                                |           |          | Total       |      |  | ******  | 250                                       |   | 183               |
| 10    | Chin Hills .                   |           | ***      |             |      |  |   | 2,115                                     |   | 2,023             |
| -     |                                | *         |          |             | -    |  |   |   |   | -                 |
| 1     | 0                              | RAND T    | OTAL     |             |      |  |   | 14,087                                    |   | 7,582             |

APPENDICES.

## VACCINATION.

Province of Burma for the year 1908-09 (Paragraph 7).

|                          | Vacc                           | INATION.                |                    | R                          | E-VACCINATIO                | N.                   | PERCENT<br>SUCCESSION<br>WHICH TH<br>WERE B | CASES IN                         | ***********                  |                              |                                  |
|--------------------------|--------------------------------|-------------------------|--------------------|----------------------------|-----------------------------|----------------------|---|----------------------------------|------------------------------|------------------------------|----------------------------------|
| Under one year,          | One and<br>under six<br>years. | Total of all ages.      | Unknown.           | Total.                     | Successful,                 | Unknown.             | Primary.                                    | Re-<br>vaccina-<br>tion.         | Primary.                     | Re-<br>vaccina-<br>tion,     | No.                              |
| - 8                      | 9                              | 10                      | 11                 | 12                         | 13                          | 14                   | 15  | 16                               | 17                           | 18                           | 19                               |
|                          |                                | -                       | -                  |                            |                             | -                    | -   |                                  |                              |                              | -                                |
| <br>98<br>1              | 502                            | 1,081<br>257            | <br>120<br>8       |                            | 13<br>95<br>19              | 12                   | 100-00<br>94-07<br>94-49                    | 65-C0<br>84-07<br>67-14          | 9-87<br>1-09                 | 9-60                         | 1 9 8 4                          |
| 99                       | 567                            | 1,290                   | 128                | 188                        | 137                         | 12                   | 94-16                                       | 77:84                            | 8-24                         | 6-08                         | -                                |
| 46<br>20<br>1            | "918<br>29<br>3                | 328<br>54<br>7          | - 8                | 1,907                      | 1,556                       | - 4                  | 97:31<br>100:00<br>100:00                   | 81 <del>7</del> 77               | -89                          | -21<br>-:                    | 8 6 7 8 9                        |
| 67                       | 250                            | 387                     | 8                  | 1,907                      | 1,556                       | •                    | 97:78                                       | 81/77                            | -75                          | -21                          |                                  |
| 8<br>84<br>43<br>        | 27<br>72<br>156                | 82<br>181<br>259<br>187 | 2<br>7<br>20<br>22 | 724<br>205<br>1,015<br>765 | 493<br><br>91<br>315<br>331 | 45<br>35<br>1<br>141 | 100-00<br>97-76<br>97-87<br>89-90           | 72-61<br>53-53<br>29-16<br>53-04 | 2-83<br>4-96<br>6-99<br>9-57 | 0-22<br>17-07<br>09<br>18-43 | 10<br>11<br>12<br>18<br>18       |
| 84                       | 255                            | 659                     | 51                 | 2,779                      | 1, 230                      | 222                  | 95-51                                       | 48:10                            | 6-88                         | 7-99                         |                                  |
| 5.<br>9<br>13<br>80<br>2 | 24<br>                         | 91<br>71<br>59<br>83    | 2                  | 5 9 8 7                    | 3<br><br>1<br>1             | -                    | 92'00<br>98'91<br>98 42<br>98 65<br>86'84   | 60:00<br><br>11:11<br>33:33      | 365                          |                              | 15<br>16<br>17<br>18<br>19<br>20 |
| 50                       | 118                            | 800                     | 2                  | 24                         | - 6                         |                      | 94-01                                       | 20-83                            | -62                          |                              |                                  |
| 53<br><br>1              | 65<br><br>8<br>5               | 169<br>417<br>12<br>18  | 49<br>             | 288                        | 188                         | 58<br>- 34           | 96-57<br>93-29<br>300-0<br>100-0            | 64-83<br>79-92                   | 2-78<br>9-88                 | 16-67<br>11-81               | 21<br>23<br>23<br>24<br>25       |
| - 54                     | 78                             | 616                     | 54                 | 6:8                        | 391                         | 92                   | 94.43                                       | 71-88                            | 7:05                         | 14-67                        |                                  |
| 6<br>9<br>3<br>43        | 31<br>3.<br>8.<br>83.          | 42<br>12<br>11<br>281   | = ,                | 1<br>9                     | 2                           | = 2                  | 100-00<br>160-00<br>160-00<br>21-30         | 100 00                           | 2-002                        | 22-72                        | 26<br>27<br>28<br>29             |
| 61                       | 197                            | 296                     | 7                  | 20                         | 12                          | 2                    | 98 08                                       | 66-67                            | 2-15                         | 10.00                        | -                                |
| 190<br>8<br>27           | 216<br>58<br>83                | 640<br>191<br><br>110   | 17<br>60           | 535                        | 876                         | = 2                  | 90-27<br>96-46<br>98-21                     | 7054                             | 2:34<br>23:26<br>            | -87                          | 30<br>31<br>38<br>38             |
| 295                      | 852                            | 941,                    | 77                 | 535                        | 376                         | 2                    | 92-35                                       | 7054                             | 7:03                         | . 87                         |                                  |
| 59<br>39<br>             | 81<br>8<br>                    | 192<br>47<br>           | 21<br>3<br><br>28  | 268                        | 161<br><br><br>161          | 43                   | 95-52<br>94-co<br><br>95-22                 | 71-56                            | 9-45<br>5-06<br><br>8-78     | 16:04                        | 84<br>19-<br>86<br>37            |
| 2                        | 11<br>10                       | 87<br>15                | 70                 | 58<br>18                   | 36<br>18                    | -                    | 89-89<br>100-00                             | 62-07<br>100-00                  | 41:92<br>6:25                | =                            | 38                               |
| 25                       | 197                            | 102                     | 1,540              | 78                         | 12                          | 25                   | 91-07                                       | 71-05                            | 38 90<br>7 6 12              | 27-17                        | - 49                             |
| 774                      | 2,062                          | 6,287                   | 1,952              | 6,525                      | 8,934                       | 402                  | 91-24                                       | 64-25                            | 20-81                        | 6-16                         |                                  |

# COMPARATIVE STATEMENT No. IV.—Showing the number of persons primarily vaccinated Burma in each of the under

|               |          |       |               |  |                  |  |               |  |                  |  | Persons          | PRIMARILY                                   |
|---------------|----------|-------|---------------|--|------------------|--|---------------|--|------------------|--|------------------|---|
| Esta          | blishmen | ts.   | Total number, | Number<br>success-<br>fully vac-<br>cinated. | Total<br>number. | Number<br>success-<br>fully vac-<br>cinated. | Total wamber. | Number<br>success-<br>fully vac-<br>cinated. | Total<br>number, | Number<br>success-<br>fully vac-<br>cinated. | Total<br>number. | Number<br>fuccess-<br>ully vac-<br>cinated. |
|               |          |       | 1899-         | 1900.  | 1900-            | 1901.  | 190           | 1-02,  | 1902             | ·03.   | 1903             | -04.  |
|               | 1        |       |               | 8  |                  | 3  |               | 4  | 8                |  |                  | 6   |
| Government    |          |       | 122,193       | 112,483                                      | 106,629          | 95,892,                                      | 94,530        | 83,082                                       | 120,884          | 101,166                                      | 185,894          | 109,016                                     |
| Municipal     | ***      |       | 72,287        | 69,705                                       | 62,338           | 58,008                                       | 59,997        | 46,695                                       | 55,852           | 47,049                                       | 53,775           | 44,879                                      |
| Local Funds   |          |       | 260,518       | 248,803                                      | 215, 111         | 198,789                                      | 181,107       | 166,283                                      | 165,218          | 149,585                                      | 179,917          | 160,616                                     |
| Native States |          |       | 1,764         | 1,631  | 1,574            | 1,420  | 1,822         | 1,558  | 7,058            | 5,451  | 6,712            | 5,604                                       |
| Dispensary    | ***      |       | 6,033         | 5,421  | 6,653            | 4,229  | 3,971         | 3,033  | 6,622            | 5,038  | 8,924            | 6,915                                       |
|               | ARHY.    |       |               |  |                  | 1  |               |  |                  |  |                  |   |
| Europeans     | ***      | -     | . 28          | 19   | 23               | 10   | 20            | 9  | 25               | 11   |                  |   |
| Natives       | - "      |       | 782           | 344  | 891              | 907  | 114           | 67   | 859              | 283  | 880              | 299   |
|               |          | Total | 463,605       | 438,406                                      | 802,719          | 358,055                                      | 833,791       | 300,722                                      | 855,013          | 308,583                                      | 385,102          | 827,179                                     |

## STATEMENT No. V .- Showing particulars of Vaccination verified

|                |                              |           |       |      |                 |                            |                          | TOTAL NUMBE                        | R INSPECTED              |                                     |
|----------------|------------------------------|-----------|-------|------|-----------------|----------------------------|--------------------------|------------------------------------|--------------------------|-------------------------------------|
| a.             |                              | Districts |       |      |                 | BER OF PERSONS<br>CINATED. | By Deputy<br>musioner or | y Sanitary Com-<br>Civil Surgeons. | By Native<br>or other In | Superintendents<br>specing Officers |
|                |                              |           |       |      | Primary.        | Re-vaccination.            | Primary.                 | Re-vaccination                     | Primary.                 | Re-vaccination                      |
| 1              |                              | 2         |       |      | 3               | 4                          | 5                        | 6                                  | 7                        | 8                                   |
|                |                              |           |       | 1000 |                 |                            |                          |                                    |                          |                                     |
| 1 2            | Akyab                        | 100       |       | ***  | 13,985          | 641                        | 447                      | 859                                | 4,079                    | 79                                  |
| 8              | Hill Tracts, No<br>Kyankpyn  | rthern A  | rakan | **   | 12,002          | 151                        | 1,129                    |                                    | 2,171                    | 55                                  |
| 4              | Sandoway                     | ***       |       |      | 2,238           | 107                        | 425                      | 28                                 | 275                      | 118                                 |
| 8 4 5 6        | Rangoon<br>Hanthawaddy       | ***       | ***   |      | 65,43           | 22,708                     | 460                      | 2,152                              | 4,497                    | 10,785                              |
| 7 8            | Pegu                         | ***       | ***   | ***  | 4,581<br>7,019  | 2,78s<br>476               | 396<br>221               | 1,908                              | 8,6/2                    | 812                                 |
| 8-             | Tharrawaddy                  | ***       |       |      | 10,150          | 13                         | 368                      | ******                             | 6,896                    | 217                                 |
| 0              | Prome<br>Ma-obin             |           | ***   | ***  | 12,249          | 810<br>1,029               | 1,021                    | 47                                 | 5,714                    | 550                                 |
| 1              | Pyapôn                       |           |       | ***  | 1,683           | 871                        | 235<br>234               | 631                                | 2,766                    | 1,020                               |
| 12             | Bassein                      | ***       | ***   | ***  | 13,386          | 1,458                      | 700                      | 597                                | 4,793                    | 236<br>989                          |
| 4              | Henzada<br>Myaungmya         | ***       | ***   |      | 9,132           | 1,475                      | 1,625                    | 1,085                              | 4,255                    | 828                                 |
| 15             | Amherst                      |           | ***   | ***  | 20,483          | 674                        | 625                      | 764                                | 13,614                   | 96<br>645                           |
| 17             | Tavoy<br>Mergui              | ***       | ****  | ***  | 7,247           | 3,074                      | 13,87                    | 937                                | 4,198                    | 2.111                               |
| 18             | Toungoo                      | ***       | ****  | ***  | 6,565           | 1,313                      | 505<br>169               | 85<br>859                          | 3,462<br>3,778           | 64                                  |
| 19             | Thaton                       | ***       | ***   | ***  | 8,843           | 150                        | 2,097                    | 009                                | 4,477                    | 253                                 |
| 21             | Salween<br>Mandalay          | ****      | ***   | ***  | 12,150          | 2,008                      | 43                       | 3                                  | 61                       |                                     |
| 22             | Bhamo                        | ***       |       | 410  | 3,412           | 481                        | 1,496                    | 272                                | 8,810                    | 801                                 |
| 24             | Katha                        |           | ***   |      | 4,812           | 958                        | 505                      | 260                                | 451                      | 282                                 |
| 25             | Ruby Mines<br>Myitkyina      | ***       | 100   | 180  | 3,249           | 9                          | 101                      |                                    | 183                      | ******                              |
| 96<br>97       | Shwebo                       | ***       | ***   | ***  | 12,088          | 263                        | 164<br>208               | 86                                 | 186<br>3,982             | ******                              |
| 28             | Segaing                      |           | ***   | ***  | 15,894          | 5,414                      | 1,787                    | 179                                |                          | 40                                  |
| 29             | Lower Chindw<br>Upper Chindw |           | 100   | ***  | 12,995<br>7,612 | 18,93                      | 2,465                    | 845                                | 8,128                    | 793                                 |
| 80             | Thayetmyo                    | ***       | ***   | **** | 14,460          | 772                        | 2,800                    | 401                                | 9,096                    | 675                                 |
| 123            | Pakokku<br>Minbu             | ***       | 101   | ***  | 15,238          | 875                        | 2,851                    | 213                                | 7,846                    | 138                                 |
| 88             | Magwe                        | ***       | ***   | -    | 12,459          | 46<br>251                  | 2,124<br>324             | 12                                 | 839                      | 18                                  |
| 34<br>85<br>86 | Melktila                     | ***       | ***   | ***  | 6,406           | 230                        | 500                      | 211                                | 1,607                    | 120                                 |
| 36             | Yamethin                     | ***       | ***   | ***  | 9,643           | 158                        | 1,575                    | 152                                | 6,130                    | 1                                   |
| 87<br>88       | Kyauksè<br>Myingyan          | ***       | ***   | ***  | 13,078          | 128                        | 380<br>1,544             | 86                                 | 11.343                   | ******                              |
| 89             | Northern Shar                |           | ***   | ***  | 2,168           | 89                         | 137                      | 56                                 | 1,394                    | 386<br>23                           |
| 40             | Chin Hills                   | States    | =:    |      | 18,450<br>4,410 | 168<br>197                 | 575<br>80                | ******                             | 740<br>427               | 67                                  |
|                |                              | GRAND     | TOTAL | ***  | 849,977         | 53,436                     | 88,589                   | 11,811                             | 140,07                   | 21,242                              |

13

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

FACCINATED.

|                | Number<br>successfully<br>succinated. | Total number. | Number<br>sccessfully<br>sccinated. | number 8 | Number<br>necessfully<br>raccinated. |         | Number<br>successfully<br>vaccinated. | Total<br>number. | Number<br>successfully<br>vaccinated. |         |
|----------------|---------------------------------------|---------------|-------------------------------------|----------|--------------------------------------|---------|---------------------------------------|------------------|---------------------------------------|---------|
| Establishment  | 09.                                   | 1908          | 18.                                 | 1907-    | -07.                                 | 190     | 6-06.                                 | 19               | 04-05.                                | 190     |
|                | -                                     | - 1           | -                                   | 10       | 9                                    |         |                                       |                  | 7                                     | 300     |
| Government.    | 134,451                               | 147,185       | 183,229                             | 148,497  | 111,283                              | 196,106 | 144,074                               | 162,014          | 109,201                               | 188,435 |
| Municipal.     | 38,908                                | 43,072        | 41,811                              | 48,080   | 48,431                               | 69,352  | 62,398                                | 64,883           | 46,168                                | 69,410  |
| Local Funds    | 122,307                               | 138,167       | 119,609                             | 188,772  | 148,971                              | 167,418 | 160,428                               | 181,999          | 141,626                               | 166,839 |
| Native States. | 5,052                                 | 6,991         | 4,830                               | 5,203    | 5,789                                | 6,833   | 6,083                                 | 8,197            | 4,989                                 | 6,986   |
| Dispensary.    | 5,287                                 | 7,502         | 7,457                               | 10,443   | 7,180;                               | 10,690  | 7,272                                 | 9,812            | 7,152                                 | 9,516   |
| ARMY.          |                                       |               | U - 15'84                           |          | 1                                    |         |                                       |                  |                                       |         |
| Europeans.     | 85                                    | 87            | 86                                  | 59.      | 14                                   | 24      | . 88                                  | - 66             | 14                                    | 25      |
| Natives.       | 896                                   | 455           | 279                                 | 408      | 143                                  | 281     | 183                                   | 804              | 215                                   | 879     |
| Total.         | 306,640                               | 343,469       | 306,751                             | 851,442  | 321,061                              | 370,704 | 871,376                               | 427,306          | 309,365                               | 881,090 |

by Inspecting Officers during the year 1908-09 (Paragraph 8).

|    | TAGE OF<br>REPORTED   |  | ISSFUL OF  |  | OGE OF CASES F  |   | TOTAL   | ACCINATED.  | RCENTAGE OF IN<br>NUMBER V  | Pz   |
|----|---|--|--|--|---|---|---|---|---|--|
| No | INATORS.  |  | e Superin-<br>s or other<br>g Officers.  | tendent  | ty Sanitory<br>mer or Civil<br>geoms.   | Commissio   | ve Superin-<br>is or other<br>ig Officers.  | tendent   | ity Sanitary<br>mer or Civil<br>geons.  | Commissio  |
|    | Re-vaccina-   | Primary.   | Re-vaccina-  | Primary.   | Re-vaccina-   | Primary.  | Re-vaccina-   | Primary.  | Re-vaccina-<br>tion.  | Primary.   |
| 19 | 18  | 17   | 16   | 15   | 14  | 13  | 12  | 11  | 10  | 9  |
|    | 75:16 20:61 50:71 40:12 80:41 80:41 80:41 60:41 | 90 97<br>91 68<br>92 68<br>90 93<br>90 82<br>90 92<br>90 95<br>90 90 95<br>90 90 90<br>90 90 | 34:25<br>100:00<br>84:96<br>69:23<br>61:22<br>34:26<br>34:26<br>34:26<br>50:35<br>60:27<br>60:47<br>60:45<br>60:35<br>60:35<br>60:35<br>60:35<br>60:35<br>60:35<br>60:35<br>60:35<br>60:35<br>60:35<br>60:35<br>71:76<br>71:79<br>80:40<br>28:57<br>77:17<br>72:53<br>88:89<br>77:47<br>77:57<br>89:47 | 94.07<br>100-00<br>80-21<br>98-27<br>98-27<br>50-59<br>84-54<br>95-55<br>94-53<br>94-53<br>94-64<br>100-26<br>87-88<br>97-88<br>97-88<br>97-88<br>97-88<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-98<br>98-9 | 72-70 53-85 53-85 63-85 | 91-28 93-89 93-88 93-95 | 11-39 14-57 29-16 81-14 47-50 19-65 45-50 99-13 63-61 67-83 22-24 10-49 95-70 53-12 10-00 20-88 15-00 97-92 | 29-27 10-43 18-00 12-29 65-73 87,91 61-00 64-15 46-63 10-35 89-47 35.81 20-75 60-15 69-16 69-16 69-16 69-16 10-24 50-63 14-43 33-09 33-26 62-42 43-21 10-16 12-90 11-61 12-90 11-61 12-90 11-61 12-90 11-61 12-90 11-61 12-90 11-61 12-90 11-61 12-90 11-61 12-90 11-61 12-90 11-61 12-90 11-61 12-90 11-61 12-90 11-61 12-90 11-61 12-90 11-61 12-90 11-61 12-90 11-61 | 58 01 10 68 16 77 9 48 69 50 61 82 23 45 40 95 78 56 88 50 74 23 58 61 69 27 84 13 96 9 77 90 228 44 44 13 19 8 17 18 18 61 91 65 80 4 78 70 96 99 78 17 77 62 92 | 8 21<br>9 36<br>18 99<br>8 20<br>8 20<br>8 20<br>8 20<br>8 20<br>8 20<br>14 23<br>5 30<br>6 94<br>17 79<br>20 74<br>23 71<br>25 76<br>26 12 81<br>16 1 |
| i  | 59-30   | 98-58  | 56-58  | 91-14  | 59-56   | 92-93   | 89-75   | 40-84   | 21-17   | 9-79   |

APPENDIX A.

Showing the ratio per 10,000 successfully vaccinated and the mortality from small-pox by quinquennial periods for Lower Burma only.

| 0         | Micial ye | ir. |   | Ratlo per<br>10,000<br>successfully<br>vaccinated. | Quinquennial mean, |      | Calendar year, | Ratio per<br>10,000<br>of mortality<br>from small-pox, | Quinquenniai mean, |         |
|-----------|-----------|-----|---|--|--------------------|------|----------------|--|--------------------|---------|
|           | 1         |     |   | 2  | 3                  |      | 4              |  | 5                  | 6       |
| 1893-04   |           |     |   | 808-46   | 6                  | 1893 | _              |  | 683                | 1       |
| 1 891-95  |           | -   |   | 843-88   | 1                  | 1894 |                | ***  | 8:85               |         |
| 1895-96   |           | *** |   | 448-91   | 449-48             | 1895 |                |  | 841                | 4-42    |
| 1895-97   | ***       | *** |   | 851.43   | 1                  | 1896 | -              | ***  | 870                | 1       |
| 1897-98   | ***       | *** |   | 586:66   | 1                  | 1897 |                | ***  | 4132               | J Inch  |
| 1898-99   | 441       | *** | - | 652:47   | )                  | 1898 |                |  | 10:70              | 1 08    |
| 1899-1909 |           | *** |   | 678-31   |                    | 1899 |                | ***  | 18-21              | 1 10000 |
| 1900-01   | -         |     |   | 530-41   | 495-16             | 1900 |                |  | 676                | 7/24    |
| 1901-02   |           | -   |   | 352-09   | 1 1000             | 1901 | -              |  | 4:48               | 100     |
| 1902-03   | ***       | *** |   | 32804  | J.                 | 1902 |                |  | 2:82               | )       |
| 1908-04   |           |     |   | 85 8-66  | h                  | 1903 |                |  | 2:30               | )       |
| 1904-05   | ***       | -   |   | 824:89   | 1                  | 1904 |                |  | 2/88               | 1 40 2  |
| 1905-08   |           | -   |   | 885:48   | 844-74             | 1905 | -              |  | 10-10              | 6-86    |
| 1906-07   | ***       |     |   | 85 9-61  |                    | 1906 |                | ***  | 14:19              |         |
| 1907-08   | ***       |     |   | 300-06   | 1                  | 1907 | ***            |  | 275                | }       |
| 1908-09   | ***       | *** |   | 297-50   |                    | 1908 |                |  | 1.34               |         |

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 (Paragraph 5).

|                     | τ    | owns. |       |       | Number<br>of births<br>during the<br>year 1908-<br>09. | Number<br>of deaths<br>among<br>children<br>under one<br>year during<br>the year<br>1908-19. | Number<br>available<br>for vaccina-<br>tion after<br>deducting<br>the nam-<br>bers who<br>have died<br>as shewn in<br>column 3: | Number<br>of successful<br>vaccinations<br>on children<br>under one<br>year during<br>the year<br>ending 31st.<br>March 1909. | Date of extension of Vaccination Act into towns. |
|---------------------|------|-------|-------|-------|--|--|---|---|--|
|                     | 1    |       |       |       | 2  | 8  | 4   | 5   | 6  |
|                     |      |       | ***   | ***   | 673  | 157  | 516   | 815   | August 1883.                                     |
| Akyab               | ***  | -     | ***   | ***   | 69   | 17   | 52  | 10  | April 1894.                                      |
| Kyaukpyu            |      | ***   | ***   | ****  | 93   | 15   | 78  | 88  | September 1890.                                  |
| Sandoway            | ***  | ***   | ***   | ***   | 5,111  | 1,460  | 8,651   | 4,164   | April 1884;                                      |
| Rangoon<br>Pegu     | ***  | ***   | ***   | ***   | 618  | 146  | 818   | 285   | March 1893.                                      |
| Prome               | ***  | ***   | - *** | ***   | 804  | 885  | 400   | 608   | June 1890.                                       |
| Pannedè             | ***  | ***   | ***   | 200   | 415  | 69   | 886   | 319   | August 1890.                                     |
| Grobingwak          | ***  |       | ***   | ***   | 921  | 83   | 188   | 161   | February 1897.                                   |
| Letpadan            | 160  | ****  | ***   | ***   | 292  | 72   | 689   | 136   | January 1897.                                    |
| Thouse              | 1111 | ***   | ***   | ***   | 236  | 54   | 189   | 107   | October 1897.                                    |
| Ma-obin             | 100  | ***   | ***   | ****  | 149  | 41   | 108   | 166   | October 1891:                                    |
| Yandoon             | 101  | ***   | 944   | ***   | 349  | 75   | 274   | 194   | January 1892.                                    |
| Pyagon              | ***  | ***   | ***   | ***   | 275  | 67   | 208   | 240   | November 1904.                                   |
| Kyalklat            | ***  | ***   | ***   | ***   | 989  | 70   | 157   | 513   | 15th December 1904.                              |
| Bassein             | 168  | ***   | ***   | ***   | 181  | 291  | 718   | 651   | September 1888.                                  |
| Ngathologgyaung     | ***  | 844   | 100   | ***   | 114  | 16   | 88  | 120   | February 1890.                                   |
| Mysungmya.          | ***  | 410)  | ***   | ***   | 185  | 54   | 198   | 140   | June 1894:                                       |
| Wakema              | 194  | 101   | 101   | ***   | 785  | 172  | 588   | 394   | 27th April 1907.                                 |
| Henzada             | 116  | ***   | ***   | ***   | 800  | 39   | 161   | 157   | January 1889.                                    |
| Zalum               | 200  | ***   | ***   |       | 264  | 49   | 215   | 226   | August 1891.<br>July 1889.                       |
| Myanaueg            | ***  | ***   |       | ***   | 323  | 46   | 276   | 188   | August 1894.                                     |
| Kyangin             | ***  |       |       |       | 1,263  | 241  | 1,022   | 1,111   | August 1885.                                     |
| Moutmein            | ***  | 100   |       | - 22  | 450  | 114  | 336   | 410   | October 1891.                                    |
| Thaton              | ***  | ***   | ***   | 20    | 225  | 294  | 197   | 123   | March 1897.                                      |
| Kyalkto             |      | -     |       |       | 742  | 128  | 619   | 553   | December 1889.                                   |
| Tavoy               |      |       |       | ***   | 689  | 105  | 434   | 403   | October 1891:                                    |
| dergul              | ***  | ***   |       |       | 452  | 142  | 810   | 195   | May 1889.  |
| Conngoo<br>Shwegyla | ***  |       |       | ***   | 218  | 40   | 198   | 224   | January 1890.                                    |
| dandalay            |      | ***   |       |       | 5,610  | 2,178  | 3,437   | 4121  | August 1891.                                     |
| Sagaing             |      | ***   | ***   | ***   | 347  | 90   | 257   | 210   | April 1894.                                      |
| dônywa              |      | ***   |       | ***   | 236  | 40   | 216   | 299   | March 1893.                                      |
| Tayetmyo            | ***  | 100   | ***   | ***   | 401  | 10   | 311   | 360   | May 1889.  |
| Hannyo              | ***  | ***   | ***   | *** ( | 420  | 65   | 355   | 435   | May 1901;  |
| famithin.           | ***  | ***   | ***   | ***   | 210  | 80   | 180   | 210   | February 1892,                                   |
| Villmann.           | 494  | ***   | ***   | ***   | 394  | 83   | 861   | 321   | November 1891.                                   |
| lyingyan.           | 100  | 1111  | ***   | ***   | 017  | 106  | 421   | 483   | September 1891.                                  |
| hwebo               | m.   | 188   | ***   | ***   | 283:   | 99   | 194   | 161   | June 1894;                                       |
| akók ku             | 100  | ***   |       | -     | 683  | 208  | 477   | 563   | April 1809.                                      |
| yauksè:             | 100. | 416   | ***   | ***   | 248  | 75   | 171   | 138   | May 1894.  |
| linba               | 100  | ***   | ***   | ***   | 238  | 46   | 192   | 176   | March 1896.                                      |
| alin                | 100  | ***   | ***   | ***   | 271  | 68   | 203   | 138   | March 1896                                       |
| aungdwingyi         | ***  | ***   | ***   | ***   | 202  | 101  | 101   | 51  | February 1893.                                   |
| leiktila            | 100  | 1114  | ***   | ***   | 228  | 78   |   | 52  | June 1906.                                       |
| hamo                |      | ***   | ***   | ***   | 155  | 84   | 121   | 90  | 26th October 1894                                |
|                     |      |       | -     | 150   | 26,860   | 7,470  | 19,390  | 19,981  |  |
|                     |      |       | TOTAL | ***   |  |  |   |   |  |

APPENDIX C.

Diagram showing the proportion of Population prescited during the seven efficial years from 1902-03 to 1908-09 and the death-rate from Small-pax during the calendar year 1908 in districts where Registration is in force.

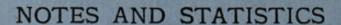
|  |         | 1      | T        |         | T           | 1.               |          | -        | T               | T         | T       | T           | 1            | 1         | -            |            | -        | _         | -        | -        | -           | _            | _      |              |      |          |          |            | - 10      |        |         |            |             |                      |         |                      |              |                                       |                                      |  |  |  |
|--|---------|--------|----------|---------|-------------|------------------|----------|----------|-----------------|-----------|---------|-------------|--------------|-----------|--------------|------------|----------|-----------|----------|----------|-------------|--------------|--------|--------------|------|----------|----------|------------|-----------|--------|---------|------------|-------------|----------------------|---------|----------------------|--------------|---------------------------------------|--------------------------------------|--|--|--|
| Proportion of population<br>protected per 10,000 | Taway.  | Hernik | Amherst. | Mengui. | Thaysteryo. | Upper Chindwin.* | Sugning. | Rangrose | Lower Chindwin. | Magwe.    | Shwrba. | Prome,      | Ehama.*      | Vandekia. | Busseln.     | Kyauk pyr. | Melkilla | Mandalay. | Kyauksi. | Myingian | Mysongueya. | Ruby Mises.* | Minte. | Tharrawaddy. | Page | Towngoo. | Pahlike. | Akyab      | Sundoway. | Paults | Kotha.* | Mychyina.* | Ohis Hills* | orthern Shan States* | Mandant | othern Stan States.* | taethawadip. | Proportion<br>from sma<br>rayons of p | of deaths<br>8-pox per<br>opulation. |  |  |  |
|  | 11      | 3      | 3        | -4      | 5           | 6                | 2        | 8        | 9               | 10        | :11     | 111         | 13           | 14        | 15           | 16         | 17       |           | 10       | 30       | 21          | 29           | 13     | 24           | 15   | 25       | 17       | 28         | 29        | 39     |         |            |             | 34                   | 35      | 36                   | 37           | -                                     |                                      |  |  |  |
|  | 1       |        |          |         |             |                  |          |          |                 | 1         |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         | 1          | 1           | I                    | 1       |                      | 1 1          |                                       |                                      |  |  |  |
|  | -       |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              |                                       |                                      |  |  |  |
|  |         |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              |                                       |                                      |  |  |  |
|  |         |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              |                                       |                                      |  |  |  |
|  |         |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              |                                       |                                      |  |  |  |
| Quinco .   |         |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              |                                       |                                      |  |  |  |
|  | -       |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              | 1                                     |                                      |  |  |  |
| 8,500  |         |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              |                                       |                                      |  |  |  |
|  | -       |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              |                                       |                                      |  |  |  |
|  |         |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              |                                       |                                      |  |  |  |
|  |         |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      | -            |                                       |                                      |  |  |  |
| 2,600  |         |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              |                                       |                                      |  |  |  |
| 2,600  |         |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              |                                       |                                      |  |  |  |
|  |         |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              | -                                     |                                      |  |  |  |
|  |         |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              | 1700       |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              | 350                                   | 24'0                                 |  |  |  |
|  |         |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              | 230                                   |                                      |  |  |  |
|  |         |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              |                                       | 21'0                                 |  |  |  |
|  |         |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         | 1                    |              | 9170                                  |                                      |  |  |  |
| 6,000 .  |         |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              |                                       | 20'0                                 |  |  |  |
| g,fice .   | - 333   |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              | 19'0                                  |                                      |  |  |  |
| 5,600  |         | 0      |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             | 1            |        |              |      |          |          |            |           |        |         | -          |             |                      |         |                      |              | 170                                   | 18'0                                 |  |  |  |
|  | - 📖     |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        | -            |      |          | -1       |            | 1         |        |         |            |             |                      |         |                      |              | .,.                                   | 160                                  |  |  |  |
|  | "       |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              | 15.0                                  |                                      |  |  |  |
| 5,000 .<br>4,800 .                               | 1600000 |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          | -           |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              |                                       | 140                                  |  |  |  |
| 4,500  | 1000    |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              | 150                                   |                                      |  |  |  |
| 6.000  | 10000   |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              |                                       | 1910                                 |  |  |  |
| 4,000  | -       |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      | - 6      |          |            |           |        |         |            |             |                      |         |                      |              | 11.0                                  | 10'0                                 |  |  |  |
| 4.000  | -       |        |          |         | 227         |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      | - 10     |          |            |           |        |         |            |             |                      |         |                      |              | 9'0                                   | 100                                  |  |  |  |
| 3,700  |         |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      | - 10     |          |            |           |        |         |            |             |                      |         |                      | 1            | 90                                    | Po.                                  |  |  |  |
| 3,600  | 100003  |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      | - 1      |          |            |           |        |         |            |             |                      |         |                      |              | 70                                    | 1000                                 |  |  |  |
| 3,400  | 1000000 |        |          |         |             |                  | 7/10     |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            | -           | 1                    |         |                      |              |                                       | 6'8                                  |  |  |  |
| 3,000  | 10000   |        |          |         |             |                  |          |          |                 | 380       |         |             |              |           | -            |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              | 50                                    |                                      |  |  |  |
| 2,500  |         |        |          |         |             |                  |          | 1        |                 |           | 7       | 777         |              | 2000      | -            |            | -        |           | 1        |          | -           |              |        |              |      |          |          | -          |           |        | -       | -          |             | -                    | 4       |                      | -            | _                                     | 40                                   |  |  |  |
| a,600  |         |        |          |         |             |                  |          |          |                 |           |         |             |              |           | 1            | 2000       |          |           |          |          |             |              |        |              |      | -        |          |            |           |        |         |            |             |                      |         |                      |              | 2.0                                   | -                                    |  |  |  |
| 1,400  | 10004   |        |          |         |             | 1                |          |          |                 |           |         |             |              |           |              |            | M. DOG   |           |          |          | -           |              |        |              | 100  |          |          |            | -         | 20070  | 1       |            |             | 13                   |         |                      |              | 10                                    | 9'0                                  |  |  |  |
| A,000  | N/2/200 |        | TO 100   |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          | 77       | 200         |              |        |              |      |          |          |            |           |        |         |            |             | 1                    |         | 100                  | 100          | 1000                                  | - 19                                 |  |  |  |
| ,000 ···   |         |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              | 17/2   | 77           | -    | 2000     |          |            | 1         |        |         |            |             | -                    |         | 1                    |              | 4                                     | 1                                    |  |  |  |
| feo  |         |        |          |         |             |                  |          |          |                 |           |         |             |              | 7         |              |            |          |           |          |          |             |              |        |              |      | 1        | -        |            | -         |        |         |            | -           |                      |         | 1                    |              |                                       | 7                                    |  |  |  |
| 1.400  |         |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          | The second | 7         |        |         |            |             | -                    |         | 1                    |              | 4                                     |                                      |  |  |  |
| 1,300  |         |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         | 1                    |              | 2/1                                   | 3                                    |  |  |  |
| 1,000  |         |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           | 33     | 7/70    | 770        | 1           | 1                    |         |                      |              |                                       | -                                    |  |  |  |
| 8ce  |         |        |          |         | 777         | 1                |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         | (A)        | 1700        | 100                  |         | 10                   |              | 2                                     | 3                                    |  |  |  |
| 600  |         |        |          |         |             |                  |          |          |                 |           |         |             |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              |                                       | -                                    |  |  |  |
| 400  | 1       | 3929   | 3        | 1       | 5           | 6                | 02/20    | 8        | 0               | 10        | 200     | 11/16       | 13           | 2500      | 2.00         | 00000      | 200      | 12        | 1        | 100      | 2000        | UK.          | 134    | 10%          | 1000 |          |          | 108/2      | 1         | 1000   | 100     | 100        |             |                      | 24      | I.                   | 100          | -                                     |                                      |  |  |  |
|  | -       |        | -        | -       |             | -                | -        | -        |                 |           |         |             |              |           |              |            |          |           |          | 20       |             |              | -3     | 14           | 20   | 20       | *7       | 10         | 29        | 30     | 31      | 31         | 33          | 34                   | 35      | 36                   | 37           |                                       |                                      |  |  |  |
|  |         |        |          |         |             |                  |          |          |                 |           |         | ndicate     |              |           |              |            |          |           |          |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              |                                       |                                      |  |  |  |
|  |         |        |          |         |             |                  |          |          |                 | EN OFFICE | 1       | ndicates    | rates o      | death     | ts from      | small-p    | ox per   | 10,000    | of popu  | elation. |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              |                                       |                                      |  |  |  |
|  |         |        |          |         |             |                  |          |          |                 |           |         | 12 cirliano | and the sale | added to  | distriction. | To see     | and a    | mar has   | Chaire M |          |             |              |        |              |      |          |          |            |           |        |         |            |             |                      |         |                      |              |                                       |                                      |  |  |  |

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

† Statistics of Pyapôn have been included in Ma-ubin,

O. S. C.F. C.-No. S. Sing. Com., 4-5-000.--- A. Jin. De S. 6-7-09- 404 Zinge.





ON

## VACCINATION IN BURMA

FOR THE YEAR 1908-09



### RANGOON

OFFICE OF THE SUPERINTENDENT, GOVERNMENT PRINTING, BURMA
1909