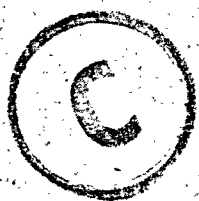


Report on Vaccination in
Madras presidency for the
year 1891-92



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OFFICE OF SANITARY COMMISSIONER,
FORT ST. GEORGE,
20th June 1892.

No. 1798A.
S.

From

SURGEON LIEUT.-COL. J. A. LAING,
Sanitary Commissioner for Madras,

To

THE CHIEF SECRETARY TO GOVERNMENT,
LOCAL AND MUNICIPAL DEPARTMENT.

SIR,

I HAVE the honour to forward the Vaccination Report for the past official year.

2. During the year under review 820 vaccinators were employed or 9 more than in the previous year. The number of Deputy Inspectors of Vaccination, viz., 57, was the same as in 1890-91.

3. It is satisfactory to notice the increase in the number of vaccinations during 1891-92, a progressive improvement having steadily taken place since the year 1886 as shown in the margin.

4. Of the total number of operations performed, 996,274 were primary with success in 927,719 cases (93.1 per cent. or 1.0 less than the corresponding ratio for 1890-91), and 57,146 were re-vaccinations with success in 42,785 cases (74.9 per cent. against 80.6 in the previous year).

5. In only three districts, viz., Coimbatore, Kurnool and Trichinopoly, was there a decrease in the number of operations when compared with last year's figures. The district of Trichinopoly shows the greatest decrease, 33,919 cases having been vaccinated in 1891-92 against 38,812 in 1890-91. In the Tinnevely District there was a large increase in the number of operations, 69,085 cases being vaccinated in 1891-92 against 56,112 in 1890-91. The percentage of success in districts was 93.0 or 1.5 less than in the previous year, and was no doubt chiefly due to the changes made in the kind of lymph used.

6. The average number of operations performed by each man was 1,220 in 1891-92 against 1,120 in the previous year. The largest number of operations performed by each vaccinator was 2,490 in the Kurnool District, and the lowest 822 in the Nilgiris.

7. Vaccination was compulsory at the end of 1891-92 in 48 municipalities, having been introduced into 9 in the course of the year under review. The total number of operations was 110,590 in 1891-92 against 99,058 in 1890-91.

8. The total number of cases verified by Deputy Inspectors of Vaccination was 524,571 against 482,170 in the previous year. In six ranges against ten in 1890-91 the deputies failed to verify 50 per cent. of the cases vaccinated.

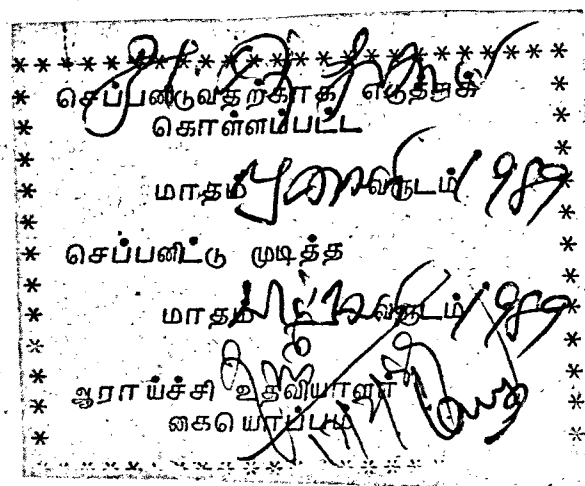
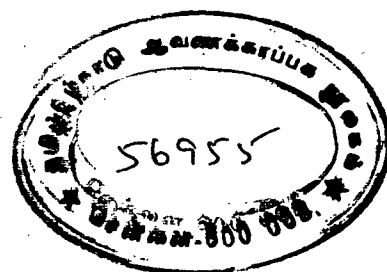
Operations with animal lymph were conducted to varying extents in all the districts and municipalities. During the year there were 674,148 operations done with animal lymph or 64.0 per cent. of the total number vaccinated. The percentage of success varied with the different forms of lymph employed. The best results were obtained with fresh lymph direct from the calf, the rate of success being 96.4 per cent.; next that from preserved animal lymph with a percentage of 93.5, and the lowest results were those done with lanoline paste, the rate of success being 89.3.

I have the honour to be,

Sir,

Your most obedient servant,

J. A. LAING, Surgeon Lieut.-Col.,
Sanitary Commissioner for Madras.



REPORT ON VACCINATION IN THE MADRAS PRESIDENCY DURING 1891-92.

From Surgeon-Major D. F. DYMOTT, M.B., Inspector of Vaccination and Deputy Sanitary Commissioner for Madras, dated Fort St. George, 17th June 1892, No. 562.

I have the honour to submit statistical returns and brief notes of vaccination in the Madras Presidency for the official year 1891-92.

2. During the year I visited on inspection duty the districts of Anantapur, Bellary, Chingleput, Coimbatore, Cuddapah, Kistna, Kurnool, Nilgiris, North Arcot, Salem, South Arcot and Godavari, and the towns of Anantapur, Gooty, Adoni, Bellary, Conjeeveram, Coimbatore, Erode, Cuddapah, Bezwada, Guntur, Masulipatam, Kurnool, Coonoor, Gudiyatam, Tirupati, Vellore, Walajapet, Salem, Tirupatūr, Vaniyambadi, Chidambaram, Cuddalore, Cocanada, Ellore, Rajahmundry and Dowlaisheram.

3. The following statement compares the establishments employed during the years 1890-91 and 1891-92 :—

Years.	First-class Dy. Inspectors.	Second-class Dy. Inspectors.	First-class Vaccinators.	Second-class Vaccinators.	Practitioners.
1890-91	34	* 23	251	418	142
1891-92	34	* 23	254	420	143

* Four Assistant Deputy Inspectors.

4. The following table contrasts the work performed during 1890-91 with that of 1891-92 :—

	1890-91.	1891-92.
Primary vaccinations	906,119	996,274
Re-vaccinations	54,441	57,146
Total	960,560	1,053,420

There has been a satisfactory increase of 92,860 cases.

5. The following table shows the rates of success in primary and re-vaccinations :—

Establishment.	Number of successful vaccinations.				Ratio per cent. of successful cases.				Ratio per cent. of total successful cases.	
	1890-91.		1891-92.		1890-91.		1891-92.		1890-91.	1891-92.
	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.		
Local Fund Vaccinators	706,117	32,672	768,653	31,814	95.0	86.1	93.7	79.3	94.5	93.0
Government do.	16,684	66	14,907	120	93.6	81.5	91.0	95.2	93.6	91.1
Native States do.	6,017	49	6,430	...	94.9	75.3	97.0	...	93.0	97.0
Municipal do.	85,003	5,603	95,898	5,947	93.2	73.5	93.4	73.4	91.3	93.5
Cantonment do.	3,343	156	2,993	220	90.8	86.2	92.2	65.3	90.6	83.8
Dispensaries	33,162	2,585	36,104	2,167	85.6	76.0	82.9	56.7	84.5	80.8
Medical Subordinates	2,727	2,210	2,724	2,517	57.3	50.4	71.6	54.0	53.9	61.9
Total	853,058	43,890	927,710	42,785	94.1	80.6	93.1	74.9	93.4	92.1

6. The following table shows the number of operations according to age :—

Establishment.	Ages successfully vaccinated in 1890-91.			Total number of persons vaccinated in 1890-91.	Ages successfully vaccinated in 1891-92.			Total number of persons vaccinated in 1891-92.
	Under one year.	Over one and under six years.	Above six years.		Under one year.	Over one and under six years.	Above six years.	
Government ...	1,509	6,791	8,384	17,901	1,714	7,470	5,723	16,501
Local Funds ...	136,333	416,959	152,775	781,430	157,351	441,507	169,800	860,301
Native States ...	933	3,173	1,911	6,403	780	3,592	2,058	6,628
Municipalities ...	34,793	36,032	14,183	99,058	41,047	41,229	18,622	110,590
Cantonments ...	1,943	1,400	...	3,862	1,776	1,222	...	3,585
Civil Dispensaries ...	6,616	19,340	7,206	42,683	7,936	20,444	7,724	47,352
Medical Subordinates...	109	236	2,382	9,223	48	193	2,483	8,463
Total ...	182,236	488,931	186,841	960,560	210,652	515,657	201,410	1,053,420

7. The following shows the average number of operations per man by different establishments :—

Establishment.	Number of vaccinators.		Average number of operations per man.		Increase or decrease per man.	
	1890-91.	1891-92.	1890-91.	1891-92.	Increase.	Decrease.
Local Fund Vaccinators ...	661	* 660½	1,182	1,202	120	...
Government do. ...	23	22	778	750	...	28
Native States do. ...	9	10	711	653	...	48
Municipal do. ...	83	95	847	900	53	...
Madras Town do. ...	24	24	1,020	1,046	26	...
Cantonment do. ...	6	6	644	597	...	47
Total ...	811	817½	1,120	1,220	100	...

* Three Vaccinators were temporarily employed for three months in the year.

8. The following shows the cost of vaccination as compared with the previous year :—

Establishment.	Total Expenditure.		Average cost of each successful case.	
	1890-91.	1891-92.	1890-91.	1891-92.
Government Establishment ...	Rs. 6,152 2 0	Rs. 7,446 14 4	Rs. 0 6 3	Rs. 0 8 0
Local Fund do. ...	1,57,881 2 4	† 1,67,202 13 0	0 3 5	0 3 4
Municipal do. ...	27,477 0 10	32,248 7 9	0 4 10	0 5 1
Native States do. ...	1,065 13 3	1,324 13 0	0 2 10	0 3 4
Cantonments do. ...	402 6 0	393 15 0	0 1 10	0 2 0
Total ...	1,92,978 8 5	2,08,616 15 1	† 0 3 7	0 3 7

† Includes Rs. 232-5-2 paid from Provincial funds on account of leave and travelling allowances of a Deputy Inspector.
* In last year's report the cost was erroneously shown as Rs. 3-3.

The cost of lanoline paste has not been included in the above figures, as it was not made known to this Department.

9. The following table compares the total work, amount of success, and average cost of each case in Local Fund districts :—

Districts.	Total number of vaccinations.		Number of successful vaccinations.				Ratio per cent. of successful cases.		Average cost of each successful case.		Average number of operations performed by each vaccinator.	
	1890-91.	1891-92.	1890-91.		1891-92.		1890-91.	1891-92.	1890-91.	1891-92.	1890-91.	1891-92.
			Primary vaccination.	Re-vaccination.	Primary vaccination.	Re-vaccination.						
Anantapur ...	12,471	16,719	10,975	383	13,575	447	91.0	83.9	Rs. 0 6 0	Rs. 0 5 7	734	983
Bellary ...	22,920	23,240	21,010	1,106	22,110	485	96.5	97.2	0 4 6	0 5 0	955	968
Chingleput ...	38,197	41,972	34,826	753	38,691	376	92.3	93.0	0 3 3	0 3 2	1,661	1,767
Coimbatore ...	48,941	48,608	45,632	756	42,573	259	94.7	88.1	0 3 1	0 3 5	1,255	1,246
Cuddapah ...	33,120	39,971	30,345	692	36,006	1,081	93.7	92.8	0 5 8	0 5 8	946	1,142
Ganjam ...	23,375	27,515	22,193	1,001	26,704	484	99.2	98.8	0 3 8	0 3 8	739	888
Godavari ...	35,171	45,472	31,075	368	42,670	1,074	97.9	96.2	0 4 1	0 4 0	782	1,011
Kistna ...	48,334	51,845	43,665	1,027	43,681	915	92.4	89.0	0 3 10	0 3 10	1,028	1,059
Kurnool ...	34,038	29,870	23,585	7,992	21,563	7,035	92.7	95.7	0 3 3	0 4 1	2,886	2,490
Madura ...	56,814	61,255	51,961	2,196	54,469	1,669	98.6	91.6	0 2 10	0 2 9	1,353	1,458
Malabar ...	44,025	49,436	39,614	1,025	43,330	1,501	92.3	90.6	0 3 1	0 3 1	1,159	1,269
Nellore ...	37,290	38,019	33,318	540	34,576	224	90.8	91.5	0 4 2	0 4 3	1,243	1,226
Nilgiris ...	2,145	2,466	1,817	80	1,923	321	88.4	91.0	0 8 5	0 8 3	715	822
North Arcot ...	43,933	48,841	40,999	1,128	45,219	1,375	95.0	95.4	0 3 9	0 3 10	1,230	1,357
Salem ...	56,364	63,674	48,514	3,140	56,327	2,332	91.6	92.3	0 2 9	0 2 4	1,199	1,502
South Arcot ...	38,012	48,334	35,149	527	45,614	493	93.8	95.4	0 3 1	0 2 10	1,311	1,611
South Canara ...	29,988	36,889	27,751	771	33,048	1,384	95.1	93.3	0 2 10	0 2 5	1,199	1,476
Tanjore ...	40,351	41,564	36,352	1,199	36,702	1,405	93.0	91.7	0 3 2	0 3 4	1,090	1,101
Tinnevely ...	56,112	69,085	52,500	2,638	62,117	4,118	98.3	95.9	0 2 9	0 2 4	1,336	1,645
Trichinopoly ...	38,812	33,919	35,369	1,959	29,473	2,620	96.2	94.6	0 2 4	0 2 1	1,637	1,884
Vizagapatam ...	41,007	41,641	36,764	8,391	38,287	2,216	97.9	97.2	0 2 7	0 2 8	1,243	1,262
Total ...	781,430	860,301	706,117	32,672	768,658	31,814	94.5	93.0	0 3 5	0 3 4	1,182	1,302

In three districts the work decreased.

Coimbatore last year also showed a decrease. The decrease this year is attributed to (1) the introduction and sudden discontinuance of Dr. King's paste; (2) the extraordinary scare produced by the scarificators; (3) cholera and small-pox epidemics.

The decrease in Kurnool occurred mainly in the Cumbum range. The causes appear to be (1) reduction of the minima for vaccinators from 500 and 150 to 250 and 100 respectively; (2) the prevalence of influenza, cholera and general distress.

The marked fall in the number of cases done in Trichinopoly was mainly due to the suspension, for three and-a-half months, of the Deputy Inspector. This man was subsequently reduced and transferred to another district.

In most of the districts a good deal of the vaccinators' time was taken up in connection with learning how to work with lanoline-vaccine. In July the lanoline-vaccine supply was suddenly stopped, and other methods of carrying on vaccination had to be re-started. Some districts were left quite without lymph. A large additional number of returns and correspondence, in connection with Dr. King's experiments, interfered with the other duties of the staff.

In addition to distress, owing to failure of rain in nine districts, there was much cholera in the Presidency. In the Kistna District vaccinators were put on cholera duty for some time as they had no lymph, and cholera was severe.

The order on the final report on the lanoline-vaccine scheme was received in this office on the 29th September 1891. No definite action could be taken till its receipt.

The percentage of success declined from 94.5 to 93.0. This, no doubt, is mainly due to the changes in the kind of lymph used.

10. The following table shows the proportion of males to females vaccinated during 1891-92 by Local Fund Agency:—

Districts.	Population.		Total number vaccinated.		Proportion per cent. to total number vaccinated.		Total number vaccinated.		Proportion per cent. to total number vaccinated.		Proportion per cent. to population.		Total number vaccinated.		Proportion per cent. to total number vaccinated.		Proportion per cent. to population.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Anantapur	303,026	231,356	6,801	5,670	54.5	45.5	2.2	1.9	53.7	48.3	2.9	2.7	8,375	7,744	53.7	48.3	2.9	2.7
Bellary	335,567	325,339	12,308	10,612	53.7	46.3	3.6	3.3	12,377	10,863	3.7	3.3	12,377	10,863	3.7	3.3	3.7	3.3
Chingelput	474,520	469,586	19,841	19,356	51.9	48.1	4.2	3.9	21,543	20,429	4.5	4.3	21,543	20,429	4.5	4.3	4.5	4.3
Coimbatore	779,006	820,648	24,912	24,029	50.9	49.1	3.2	2.9	24,562	24,046	3.1	2.9	24,562	24,046	3.1	2.9	3.1	2.9
Cuddapah	560,304	541,662	17,766	16,354	53.6	46.3	3.2	2.9	21,922	18,049	3.9	3.3	21,922	18,049	3.9	3.3	3.9	3.3
Ganjam	850,604	859,046	12,659	10,716	54.1	45.8	1.5	1.2	14,888	12,827	1.7	1.5	14,888	12,827	1.7	1.5	1.7	1.5
Godavari	849,909	853,101	18,849	16,222	53.6	46.4	2.2	1.9	24,142	21,330	2.8	2.5	24,142	21,330	2.8	2.5	2.8	2.5
Kistna	753,987	739,751	25,636	22,698	53.0	46.9	3.4	3.0	27,591	24,254	3.6	3.2	27,591	24,254	3.6	3.2	3.6	3.2
Kurnool	349,717	339,239	22,196	11,842	65.2	34.2	6.3	3.5	19,963	9,913	5.7	2.9	19,963	9,913	5.7	2.9	5.7	2.9
Madura	988,443	1,032,248	30,116	26,698	53.2	47.0	3.0	2.4	32,491	29,064	3.3	2.6	32,491	29,064	3.3	2.6	3.3	2.6
Malabar	1,092,233	1,110,884	31,079	12,946	70.6	29.4	2.9	1.2	83,055	16,441	3.0	1.4	83,055	16,441	3.0	1.4	3.0	1.4
Nellore	597,353	586,178	19,094	18,196	50.5	49.5	3.2	3.1	19,362	18,637	3.3	3.2	19,362	18,637	3.3	3.2	3.3	3.2
Nilgiris	41,950	31,971	1,224	921	57.1	42.9	2.9	2.9	1,471	995	3.5	3.1	1,471	995	3.5	3.1	3.5	3.1
North Arcot	884,882	885,054	23,081	20,852	52.5	47.4	2.6	2.3	25,314	23,437	2.9	2.6	25,314	23,437	2.9	2.6	2.9	2.6
Salem	753,539	795,029	28,880	27,434	51.2	48.7	3.8	3.4	21,743	31,831	4.2	4.0	21,743	31,831	4.2	4.0	4.2	4.0
South Arcot	875,054	896,302	20,489	13,528	53.9	46.1	2.3	1.9	25,319	18,403	2.8	2.5	25,319	18,403	2.8	2.5	2.8	2.5
South Canara	455,697	471,718	16,489	19,218	54.9	45.1	3.6	2.9	18,483	19,883	4.0	3.9	18,483	19,883	4.0	3.9	4.0	3.9
Tanjore	930,826	993,406	21,143	19,218	52.3	47.6	2.3	1.9	21,081	30,381	2.3	2.0	21,081	30,381	2.3	2.0	2.3	2.0
Tinnevely	797,521	844,460	31,587	24,525	56.3	43.7	3.9	2.9	38,704	16,847	4.9	3.6	38,704	16,847	4.9	3.6	4.9	3.6
Tiruchinopoly	535,554	574,937	19,473	19,339	50.2	49.8	3.6	3.4	17,072	16,847	3.2	2.9	17,072	16,847	3.2	2.9	3.2	2.9
Vizagapatam	1,217,939	1,192,411	21,770	19,237	53.1	46.8	1.8	1.6	21,900	19,741	1.8	1.7	21,900	19,741	1.8	1.7	1.8	1.7
Total	14,423,680	14,710,006	425,364	355,066	54.4	45.6	2.9	2.4	462,091	398,210	3.2	2.0	462,091	398,210	3.2	2.0	3.2	2.0

11. At the end of the year vaccination was compulsory in all municipal towns, except Karur, Cochin, Palghat, Walajapet, Tanjore, Bimlipatam, Bezwada and Tuticorin.

12. The work of vaccination in the different municipalities is shown in the following table:—

Municipalities.	Population.		Total number vaccinated.		Primary vaccination.		Re-vaccination.		Proportion per cent. to total primarily vaccinated.		Number of all successful vaccinations, and re-vac.		Percentage of success.		Average cost of each success.	
	Males.	Females.	Males.	Females.	Under one year.	Over one and under six years.	Under one year.	Over one and under six years.	Under one year.	Over one and under six years.	Under one year.	Over one and under six years.	Primary vaccination.	Re-vaccination.	ES.	A. P.
Adoni	22,441	570	1,507	1,222	961	207	261	105	78.6	16.9	1,429	95.6	91.6	41.8	0.2	0.3
Anantapur	4,367	505	1,301	1,030	776	214	105	78.9	73.9	20.4	1,035	94.8	69.3	0.10	0.3	1.1
Anakapalle	13,341	135	377	321	230	62	146	103	69.5	9.5	346	97.4	82.9	0.9	0.7	7.5
Bellary	53,460	457	972	878	80	212	121	108	22.1	68.6	454	96.3	73.6	0.3	0.3	2.9
Bertampore	23,539	1,486	2,060	1,837	1,078	362	233	193	58.7	19.7	1,916	93.8	86.5	0.3	0.3	2.9
Bezwada	10,098	683	824	654	177	71	133	132	46.3	35.9	3,345	96.3	87.1	0.3	0.3	2.9
Bimlipatam	8,593	390	890	696	251	289	164	127	36.1	43.0	1,040	72.3	50.9	0.5	0.3	2.9
Calicut	57,085	1,942	3,736	3,701	509	1,174	135	135	33.3	46.9	755	90.5	81.8	0.4	0.3	2.9
Cannanore	26,386	655	1,140	1,109	289	451	131	135	33.3	46.9	513	94.3	93.5	0.6	0.3	2.9
Chicacole	18,902	324	565	436	132	147	135	135	42.9	42.5	478	95.7	87.3	0.7	0.3	2.9
Chidambaram	19,897	455	750	750	283	800	109	109	30.5	45.6	2,290	88.9	88.9	0.7	0.3	2.9
Cochin	15,638	637	1,013	912	83	417	63	63	8.3	42.5	886	89.7	67.3	0.2	0.3	2.9
Cocunada	30,441	1,083	1,925	1,639	238	901	169	169	18.7	53.3	1,765	93.5	63.5	0.1	0.3	2.9
Coimbatore	38,907	857	1,687	1,545	741	714	30	30	48.6	33.9	1,236	68.9	59.7	0.4	0.3	2.9
Conjeevaram	37,275	1,356	2,397	2,150	604	1,067	103	103	30.9	46.2	1,523	85.2	71.4	0.2	0.3	2.9
Coosoor	4,778	293	512	443	135	217	44	44	41.5	49.9	2,676	95.1	64.7	0.2	0.3	2.9
Cuddalore	43,545	330	2,204	2,272	595	1,191	53	53	30.0	49.0	2,070	90.4	80.5	0.4	0.3	2.9
Cudatpah	18,932	955	1,766	1,764	455	1,807	15	15	29.2	51.4	1,550	96.8	85.4	0.6	0.3	2.9
		527	808	665	272	244	246	246	48.4	40.7	693	93.7	68.2	0.6	0.3	2.9

Municipalities.	Population.	Total number vaccinated.			Primary vaccination.				Re-vaccination.		Proportion per cent. to total primarily vaccinated.			Number of all successful vaccinations and re-vaccinations.	Percentage of success.		Average cost of each successful case.
		Males.	Females.	Total.	Total.	Successful.			Total.	Successful.	Under one year.	Over one and under six years.	Above six years.		Primary vaccination.	Re-vaccination.	
						Under one year.	Over one and under six years.	Above six years.									
{ 1890-91 ... }	{ 14,182 ... }	427	382	809	757	538	184	23	52	37	71.1	24.3	3.0	782	98.4	71.1	0 10 10
{ 1891-92 ... }	{ ... }	495	538	1,033	957	595	302	7	71	44	62.2	31.6	0.7	948	94.5	62.0	0 7 9
{ 1890-91 ... }	{ 25,092 ... }	806	764	1,570	1,437	378	811	285	83	72	25.4	54.5	19.1	1,548	99.1	86.8	0 3 4
{ 1891-92 ... }	{ ... }	817	817	1,635	1,535	870	882	371	60	56	22.6	53.9	22.7	1,679	99.3	93.3	0 3 0
{ 1890-91 ... }	{ 9,864 ... }	284	283	567	511	241	236	30	6	6	47.1	46.2	5.8	513	99.2	100.0	0 6 1
{ 1891-92 ... }	{ ... }	351	276	627	627	243	241	85	...	...	33.8	38.4	13.6	669	86.0	...	0 5 7
{ 1890-91 ... }	{ 16,630 ... }	195	168	363	358	121	183	16	5	5	34.1	51.1	4.4	325	89.3	100.0	0 6 2
{ 1891-92 ... }	{ ... }	357	331	688	653	223	381	6	35	29	30.6	51.9	0.9	639	93.4	82.8	0 8 4
{ 1890-91 ... }	{ 19,646 ... }	837	812	1,649	1,528	468	793	223	121	76	48.3	31.7	10.3	1,500	97.1	62.8	0 3 9
{ 1891-92 ... }	{ ... }	548	477	1,025	959	463	304	99	66	36	35.5	30.1	5.3	902	90.3	54.5	0 5 2
{ 1890-91 ... }	{ 9,205 ... }	182	168	350	316	185	95	17	17	8	31.7	30.1	32.0	305	93.9	47.1	0 6 4
{ 1891-92 ... }	{ ... }	775	692	1,467	1,427	233	963	129	40	22	10.3	67.5	9.0	1,347	92.9	...	0 8 4
{ 1890-91 ... }	{ 50,098 ... }	779	779	1,558	1,473	338	825	68	77	66	34.3	37.8	4.6	1,474	95.6	85.7	0 8 4
{ 1891-92 ... }	{ ... }	445	310	755	643	294	313	11	112	96	45.7	47.9	1.7	739	96.1	100.0	0 9 9
{ 1890-91 ... }	{ 20,329 ... }	13,343	11,139	24,482	22,933	15,544	5,124	1,885	1,544	1,307	67.7	22.3	8.2	2,860	99.3	91.3	0 6 6
{ 1891-92 ... }	{ ... }	13,474	11,629	25,102	22,451	15,798	4,606	1,761	2,651	2,142	70.4	20.5	7.8	2,430	98.7	80.8	0 6 7
{ 1890-91 ... }	{ 405,848 ... }	1,763	1,422	3,185	3,165	1,255	1,519	198	26	22	39.6	47.9	6.2	2,994	93.9	84.6	0 6 7
{ 1891-92 ... }	{ ... }	1,433	1,229	2,662	2,662	929	1,776	106	...	...	34.8	44.2	4.0	2,211	83.1	...	0 4 8
{ 1890-91 ... }	{ 76,847 ... }	356	244	600	516	49	351	104	84	70	9.4	68.0	20.1	574	97.6	83.3	0 5 7
{ 1891-92 ... }	{ ... }	299	317	616	583	142	347	92	33	29	24.3	59.5	15.8	610	99.7	87.9	0 4 8
{ 1890-91 ... }	{ 19,409 ... }	632	558	1,190	1,161	330	558	128	29	17	30.1	50.7	11.0	1,083	91.8	58.6	0 2 8
{ 1891-92 ... }	{ ... }	887	771	1,658	1,658	489	902	170	...	...	29.5	54.4	10.2	1,561	94.1	...	0 2 6
{ 1890-91 ... }	{ 32,099 ... }	1,311	1,157	2,468	2,462	253	1,422	668	6	5	10.3	57.7	26.7	2,348	95.2	83.3	0 3 7
{ 1891-92 ... }	{ 35,056 ... }	1,616	1,301	2,917	2,780	405	1,510	644	157	54	14.7	30.9	5.6	2,613	92.8	34.4	0 5 1
{ 1890-91 ... }	{ ... }	433	389	822	778	425	241	44	36	25	61.9	37.4	3.0	767	95.3	40.5	0 5 9
{ 1891-92 ... }	{ 23,044 ... }	1,476	1,188	2,664	2,446	1,097	983	125	168	109	44.8	40.2	5.1	2,314	90.1	64.9	0 3 9
{ 1890-91 ... }	{ ... }	1,160	892	2,052	2,004	1,137	645	107	48	38	56.7	32.5	5.4	1,827	94.3	79.2	0 5 8
{ 1891-92 ... }	{ 53,776 ... }	348	284	632	670	371	251	...	2	2	55.3	37.4	...	624	92.8	100.0	0 6 10
{ 1890-91 ... }	{ 27,505 ... }	639	555	1,204	1,117	681	369	...	87	62	61.0	33.0	2.6	1,144	96.7	73.6	0 9 11
{ 1891-92 ... }	{ ... }	1,476	1,188	2,664	2,446	1,097	983	125	168	109	44.8	40.2	5.1	2,314	90.1	64.9	0 3 9
{ 1890-91 ... }	{ ... }	348	284	632	670	371	251	...	2	2	55.3	37.4	...	624	92.8	100.0	0 6 10
{ 1891-92 ... }	{ 27,505 ... }	639	555	1,204	1,117	681	369	...	87	62	61.0	33.0	2.6	1,144	96.7	73.6	0 9 11
{ 1890-91 ... }	{ ... }	1,476	1,188	2,664	2,446	1,097	983	125	168	109	44.8	40.2	5.1	2,314	90.1	64.9	0 3 9
{ 1891-92 ... }	{ 53,776 ... }	348	284	632	670	371	251	...	2	2	55.3	37.4	...	624	92.8	100.0	0 6 10
{ 1890-91 ... }	{ 27,505 ... }	639	555	1,204	1,117	681	369	...	87	62	61.0	33.0	2.6	1,144	96.7	73.6	0 9 11
{ 1891-92 ... }	{ ... }	1,476	1,188	2,664	2,446	1,097	983	125	168	109	44.8	40.2	5.1	2,314	90.1	64.9	0 3 9
{ 1890-91 ... }	{ ... }	348	284	632	670	371	251	...	2	2	55.3	37.4	...	624	92.8	100.0	0 6 10
{ 1891-92 ... }	{ 27,505 ... }	639	555	1,204	1,117	681	369	...	87	62	61.0	33.0	2.6	1,144	96.7	73.6	0 9 11
{ 1890-91 ... }	{ ... }	1,476	1,188	2,664	2,446	1,097	983	125	168	109	44.8	40.2	5.1	2,314	90.1	64.9	0 3 9
{ 1891-92 ... }	{ 53,776 ... }	348	284	632	670	371	251	...	2	2	55.3	37.4	...	624	92.8	100.0	0 6 10
{ 1890-91 ... }	{ 27,505 ... }	639	555	1,204	1,117	681	369	...	87	62	61.0	33.0	2.6	1,144	96.7	73.6	0 9 11
{ 1891-92 ... }	{ ... }	1,476	1,188	2,664	2,446	1,097	983	125	168	109	44.8	40.2	5.1	2,314	90.1	64.9	0 3 9
{ 1890-91 ... }	{ ... }	348	284	632	670	371	251	...	2	2	55.3	37.4	...	624	92.8	100.0	0 6 10
{ 1891-92 ... }	{ 27,505 ... }	639	555	1,204	1,117	681	369	...	87	62	61.0	33.0	2.6	1,144	96.7	73.6	0 9 11
{ 1890-91 ... }	{ ... }	1,476	1,188	2,664	2,446	1,097	983	125	168	109	44.8	40.2	5.1	2,314	90.1	64.9	0 3 9
{ 1891-92 ... }	{ 53,776 ... }	348	284	632	670	371	251	...	2	2	55.3	37.4	...	624	92.8	100.0	0 6 10
{ 1890-91 ... }	{ 27,505 ... }	639	555	1,204	1,117	681	369	...	87	62	61.0	33.0	2.6	1,144	96.7	73.6	0 9 11
{ 1891-92 ... }	{ ... }	1,476	1,188	2,664	2,446	1,097	983	125	168	109	44.8	40.2	5.1	2,314	90.1	64.9	0 3 9
{ 1890-91 ... }	{ ... }	348	284	632	670	371	251	...	2	2	55.3	37.4	...	624	92.8	100.0	0 6 10
{ 1891-92 ... }	{ 27,505 ... }	639	555	1,204	1,117	681	369	...	87	62	61.0	33.0	2.6	1,144	96.7	73.6	0 9 11
{ 1890-91 ... }	{ ... }	1,476	1,188	2,664	2,446	1,097	983	125	168	109	44.8	40.2	5.1	2,314	90.1	64.9	0 3 9
{ 1891-92 ... }	{ 53,776 ... }	348	284	632	670	371	251	...	2	2	55.3	37.4	...	624	92.8	100.0	0 6 10
{ 1890-91 ... }	{ 27,505 ... }	639	555	1,204	1,117	681	369	...	87	62	61.0	33.0	2.6	1,144	96.7	73.6	0 9 11
{ 1891-92 ... }	{ ... }	1,476	1,188	2,664	2,446	1,097	983	125	168	109	44.8	40.2	5.1	2,314	90.1	64.9	0 3 9
{ 1890-91 ... }	{ ... }	348	284	632	670	371	251	...	2	2	55.3	37.4	...	624	92.8	100.0	0 6 10
{ 1891-92 ... }	{ 27,505 ... }	639	555	1,204	1,117	681	369	...	87	62	61.0	33.0	2.6	1,144	96.7	73.6	0 9 11
{ 1890-91 ... }	{ ... }	1,476	1,188	2,664	2,446	1,097	983	125	168	109	44.8	40.2	5.1	2,314	90.1	64.9	0 3 9
{ 1891-92 ... }	{ 53,776 ... }	348	284	632	670	371	251	...	2	2	55.3	37.4	...	624	92.8	100.0	0 6 10
{ 1890-91 ... }	{ 27,505 ... }	639	555	1,204	1,117	681	369	...	87	62	61.0	33.0	2.6	1,144	96.7	73.6	0 9 11
{ 1891-92 ... }	{ ... }	1,476	1,188	2,664	2,446	1,097	983	125	168	109	44.8	40.2	5.1	2,314	90.1	64.9	0 3 9
{ 1890-91 ... }	{ ... }	348	284	632	670	371	251	...	2	2	55.3	37.4	...	624	92.8	100.0	0 6 10
{ 1891-92 ... }	{ 27,505 ... }	639	555	1,204	1,117	681	369	...	87	62	61.0	33.0	2.6	1,144	96.7	73.6	0 9 11
{ 1890-91 ... }	{ ... }	1,476	1,188	2,664	2,446	1,097	983	125	168	109	44.8	40.2	5.1	2,314	90.1	64.9	0 3 9
{ 1891-92 ... }	{ 53,776 ... }	348	284	632	670	371	251	...	2	2	55.3	37.4	...	624	92.8	100.0	0 6 10
{ 1890-91 ... }	{ 27,505 ... }	639	555	1,204	1,117	681	369	...	87	62	61.0	33.0	2.6	1,144	96.7	73.6	0 9 11
{ 1891-92 ... }	{ ... }	1,476	1,188	2,664	2,446	1,097	983	125	168	109	44.8	40.2	5.1	2,314	90.1	64.9	0 3 9
{ 1890-91 ... }	{ ... }	348	284	632	670	371	251	...	2	2	55.3	37.4	...	624	92.8	100.0	0 6 10
{ 1891-92 ... }	{ 27,505 ... }	639	555	1,204	1,117	681	369	...	87	62	61.0	33.0	2.6	1,144	96.7	73.6	0 9 11
{ 1890-91 ... }	{ ... }	1,476	1,188	2,664	2,446	1,097	983	125	168	109	44.8	40.2	5.1	2,314	90.1	64.9	0 3 9
{ 1891-92 ... }	{ 53,776 ... }	348	284	632	670	371	251	...	2	2	55.3	37.4	...	624	92.8	100.0	0 6 10
{ 1890-91 ... }	{ 27,505 ... }	639	555	1,204	1,117	681	369	...	87	62	61.0	33.0	2.6	1,144	96.7	73.6	0 9 11
{ 1891-92 ... }	{ ... }	1,476	1,188	2,664	2,446	1,097	983	125	168	109	44.8	40.2	5.1	2,314	90.1	64.9	0 3 9
{ 1890-91 ... }	{ ... }	348	284	632	670	371	251	...	2	2	55.3	37.4	...	624	92.8	100.0	0 6 10
{ 1891-92 ... }	{ 27,505 ... }	639	555	1,204	1,117	681	369	...	87	62	61.0	33.0	2.6	1,144			

Palamcottah	17,964	445	425	870	840	369	173	21	11	33.7	43.4	20.9	844	98.1	98.1	52.4	0 3 11
Palghat	36,339	767	577	1,344	1,314	711	493	30	25	42.4	44.4	13.4	1,025	97.3	97.3	76.7	0 3 11
Parakkimedi	15,365	716	548	1,264	1,214	38	335	60	34	3.1	54.1	32.3	1,255	93.4	93.4	93.3	0 3 8
Periyakulam	16,446	637	558	1,195	1,135	100	103	59	45	25.1	69.1	31.2	1,195	95.6	95.6	68.0	0 4 11
Palmi	13,915	277	193	470	435	134	18	32	19	33.9	40.0	8.3	1,077	83.2	83.2	76.3	0 5 8
Rajamundry	24,555	987	846	1,833	1,774	334	12	50	25	41.2	49.0	1.7	352	91.9	91.9	42.4	0 5 4
Salem	59,631	1,064	980	2,044	1,969	890	114	25	15	45.2	41.4	5.8	1,835	88.7	88.7	61.6	0 5 1
Srirangam	13,773	731	697	1,428	1,398	297	181	...	2	21.3	62.9	12.9	1,357	97.1	97.1	66.7	0 4 1
Tanjore	54,745	1,095	679	1,774	1,603	665	555	171	126	13.9	44.2	36.9	1,555	95.1	95.1	73.7	0 2 10
Telkheberry	24,581	490	408	898	839	347	173	59	59	6.7	41.3	21.2	639	69.1	69.1	61.1	0 6 2
Tinnuvally	23,221	732	644	1,376	1,366	419	237	60	57	30.7	43.6	21.0	1,387	97.3	97.3	95.0	0 3 7
Tadipatri	84,443	6,765	3,735	10,500	9,006	520	329	30	28	33.5	43.0	24.8	1,538	98.2	98.2	93.3	0 4 0
Tirupatūr	14,278	240	185	425	406	154	301	1,484	938	11.6	50.1	24.8	8,717	86.4	86.4	62.5	0 1 8
Tirupadi	13,322	335	318	653	635	199	...	8	6	18.0	53.5	28.6	1,304	96.7	96.7	78.8	0 1 4
Tulicottin	16,281	734	334	1,068	1,057	395	422	136	123	20.2	62.2	32.6	992	92.4	92.4	27.6	0 5 9
Vaniyambadi	15,933	587	513	1,100	1,098	458	49	...	...	51.5	41.7	4.5	1,073	97.7	97.7	63.0	0 6 4
Vellore	37,491	1,287	763	2,050	1,954	762	378	65	25	30.4	41.5	23.7	1,507	97.5	97.5	63.0	0 4 9
Vizagapatam	39,231	1,638	901	2,539	2,419	520	557	621	382	42.1	27.1	29.0	2,246	98.2	98.2	26.0	0 3 9
Vizianagaram	22,577	581	370	951	1,795	1,106	164	185	90	61.6	23.3	12.9	1,846	97.9	97.9	51.1	0 2 5
Wajūpāt	10,387	571	383	954	767	205	153	186	165	26.7	50.9	19.9	913	97.5	97.5	88.7	0 4 7
		178	142	320	297	146	20	23	10	49.1	42.4	6.7	301	98.3	98.3	39.1	0 5 4
		153	122	275	263	146	17	12	10	55.5	31.2	6.4	255	93.7	93.7	83.3	0 8 5
Total	1,862,270	56,938	42,120	99,058	91,167	34,793	14,183	7,891	5,803	38.2	30.5	15.6	90,811	83.2	83.2	73.5	0 4 10
		61,347	48,943	110,290	102,488	41,047	13,622	8,102	5,947	40.1	40.2	...	101,845	83.4	83.4	73.4	0 5 1

VACCINATION REPORT.

13. The following shows particulars of work done by Government vaccinators in 1890-91 and 1891-92:—

in 1890-91 and 1891-92 :-

Hill Tracts.	Number of vaccinators.	Number vaccinated.			Primary vaccination.				Re-vaccination.		Percentage of success.		Cost of each successful case.	Average number of operations per man.	
		Males.	Females.	Total.	Total.	Successful.			Total.	Successful.	Primary vaccination.	Re-vaccination.			
						Under one year.	Over one and under six years.	Above six years.							
Ganjam...	{ 1890-91 ... 1891-92 ...	7	4,448 4,445	3,959 3,421	8,407 6,766	8,383 6,766	511 733	2,102 2,585	5,186 2,670	24 ...	24 ...	98-0 91-5	100-0 ...	0 3 10 0 6 2	1,201 966
Peddapuram...	{ 1890-91 ... 1891-92 ...	1	377 174	285 140	662 314	662 314	19 4	181 86	483 77	...	...	95-5 53-2	...	0 7 10 *	662 314
Bhadra-chalam...	{ 1890-91 ... 1891-92 ...	3	608 1,463	574 1,246	1,182 2,714	1,148 2,593	174 235	645 1,216	88 697	34 121	34 115	79-0 88-9	100-0 95-0	* 0 5 1	394 678
Ganapuri...	{ 1890-91 ... 1891-92 ...	4	1,079 1,143	807 941	1,886 2,084	1,863 2,079	164 309	919 1,032	592 497	23 5	8 5	89-9 89-4	34-8 100-0	0 13 5 0 13 6	465 695
Jeypore...	{ 1890-91 ... 1891-92 ...	6	2,389 1,948	2,449 1,878	4,838 3,826	4,833 3,826	598 411	2,316 2,049	1,834 1,259	...	...	98-1 97-2	...	0 6 11 0 10 1	800 765
Gudem...	{ 1890-91 ... 1891-92 ...	2	467 414	459 383	926 797	926 797	43 22	628 452	249 323	...	...	90-3 100-0	...	0 8 7 0 8 2	463 398
Total ...	{ 1890-91 ... 1891-92 ...	23	9,368 8,492	8,533 8,009	17,901 16,501	17,820 16,375	1,509 1,714	6,791 7,470	8,884 5,723	81 126	66 120	93-6 91-0	81-5 95-2	† 0 6 3 † 0 8 0	778 750

* Information not available.

† Exclusive of Bhadrachalam Hill Tracts.

‡ Exclusive of Peddapuram Agency.

The decrease this year in the number of operations is considerable.
The vaccination staff is entirely under the control of the agency officers.

14. Table showing the work done in Native States.

Native States (Zemindaries).	Number of vaccinators.	Number vaccinated.			Primary vaccination.				Re-vac- cination.		Percentage of success.		Cost of each successful case.	Average number of operations per man.	
		Males.	Females.	Total.	Total.	Successful.			Total.	Successful.	Primary vaccination.	Re-vaccination.			
						Under one year.	Over one and under six years.	Above six years.							
Jeypore.	1890-91...	6	1,802	1,947	3,749	3,749	530	1,697	1,400	...	...	96.7	...	Rs. A. P. 0 2 6	625
	1891-92...	7	2,194	2,093	4,287	4,287	503	2,374	1,331	...	...	98.2	...	0 2 8	612
Gannar.	1890-91...	3	1,431	1,223	2,654	2,589	403	1,476	511	65	49	92.7	75.3	0 3 3	863
	1891-92...	3	1,329	1,012	2,341	2,341	277	1,218	727	...	...	94.9	...	0 4 6	780
Total	1890-91...	9	3,233	3,170	6,403	6,338	933	3,173	1,911	65	49	94.9	75.3	0 2 10	711
	1891-92...	10	3,523	3,105	6,628	6,628	780	3,592	2,058	...	...	97.0	...	0 3 4	663

VACCINATION REPORT.

15. The following table shows the work done in dispensaries:—

Districts.	Number of dispensaries.	Number vaccinated.			Number vaccinated successfully.			Percentage of success.			Average number vaccinated at each dispensary.	Success of primary vaccination.		
		Primary vaccination.	Re-vaccination.	Total.	Primary vaccination.	Re-vaccination.	Total.	Primary vaccination.	Re-vaccination.	Total.		Under one year.	Above one and under six years.	Above six years.
Anantapur. { 1890-91 ...	9	582	87	619	547	17	564	94-0	45-0	91-1	69	254	294	89
{ 1891-92 ...	9	641	2	643	603	...	603	94-7	...	91-7	71	285	280	28
Bellary ... { 1890-91 ...	19	1,243	793	2,036	1,108	736	1,844	89-1	92-9	90-6	113	682	387	39
{ 1891-92 ...	19	1,178	340	2,018	1,091	217	1,308	92-6	25-8	64-8	106	634	459	18
Chingleput. { 1890-91 ...	16	4,666	129	4,675	4,236	72	4,568	90-8	55-8	89-8	292	1,352	2,284	600
{ 1891-92 ...	16	4,527	134	4,661	4,155	91	4,246	91-8	66-4	91-1	291	1,456	2,058	641
Coimbatore { 1890-91 ...	16	939	18	957	824	17	841	85-7	93-3	87-9	60	230	432	162
{ 1891-92 ...	17	965	55	1,020	784	36	820	81-2	65-5	80-4	60	241	332	101
Cuddapah... { 1890-91 ...	13	943	76	1,019	747	25	772	79-2	33-3	75-8	78	180	351	210
{ 1891-92 ...	13	1,052	12	1,064	829	1	830	78-8	8-3	78-0	82	197	454	178
Ganjam. ... { 1890-91 ...	14	472	31	503	351	21	372	74-4	67-7	74-0	36	38	194	119
{ 1891-92 ...	14	2,093	170	2,263	914	85	999	43-6	50-0	44-0	162	123	540	251
Godavari ... { 1890-91 ...	18	1,476	11	1,467	1,171	5	1,176	79-3	45-4	79-7	83	32	635	424
{ 1891-92 ...	21	1,985	95	2,080	1,523	75	1,598	76-7	78-9	76-8	99	137	912	474
Kistna ... { 1890-91 ...	21	767	11	778	646	8	654	84-2	72-7	84-1	37	47	421	168
{ 1891-92 ...	22	1,015	29	1,044	735	15	800	77-3	51-7	76-6	47	56	346	303
Kurnool ... { 1890-91 ...	18	2,589	840	3,429	1,880	733	2,615	72-6	87-5	76-3	190	269	926	685
{ 1891-92 ...	18	845	304	1,149	791	248	919	83-0	81-5	82-6	64	124	364	213
Madras Town. { 1890-91 ...	4	...	...	...	...	...	...	...	...	...	...	...	...	...
{ 1891-92 ...	4	...	...	...	...	...	...	...	...	...	...	...	...	...
Madura ... { 1890-91 ...	36	4,342	431	4,773	3,701	232	3,933	85-2	53-8	82-4	133	738	2,462	451
{ 1891-92 ...	41	4,790	413	5,212	3,702	237	3,939	77-1	57-4	75-6	127	1,058	2,119	525
Malabar ... { 1890-91 ...	23	727	43	770	560	29	589	77-0	67-4	76-5	35	24	154	282
{ 1891-92 ...	23	1,401	42	1,443	1,034	27	1,091	75-9	64-3	75-7	63	102	322	590
Nellore ... { 1890-91 ...	25	1,694	28	1,723	1,434	11	1,445	84-6	37-9	83-3	69	149	402	323
{ 1891-92 ...	26	3,535	45	3,580	3,190	30	3,320	90-2	66-7	89-9	123	331	2,056	753
Nalgiris ... { 1890-91 ...	4	100	33	163	93	61	159	92-0	92-4	92-2	41	19	21	52
{ 1891-92 ...	4	87	333	420	70	284	354	80-4	85-3	84-2	105	1	24	45
North Arcot. { 1890-91 ...	20	2,532	191	2,723	2,205	115	2,320	87-0	60-2	85-2	136	463	1,366	456
{ 1891-92 ...	20	2,345	144	2,489	2,641	90	2,731	89-7	61-1	88-4	154	628	1,326	487
Salem ... { 1890-91 ...	24	1,625	88	1,714	1,445	64	1,513	88-8	77-2	85-2	71	269	1,016	160
{ 1891-92 ...	23	2,453	43	2,496	2,079	36	2,115	85-8	83-7	85-7	107	566	1,260	253
South Arcot. { 1890-91 ...	21	2,252	56	2,308	1,900	29	1,929	85-1	51-8	84-3	109	423	1,132	345
{ 1891-92 ...	23	1,916	74	1,990	1,594	20	1,614	83-2	27-0	81-1	45	423	984	187
South Canara. { 1890-91 ...	15	453	26	509	366	10	376	75-8	39-5	75-0	34	38	291	107
{ 1891-92 ...	15	590	68	658	474	52	526	80-3	76-6	79-0	44	51	256	167
Tanjore ... { 1890-91 ...	38	6,219	555	6,304	5,239	459	5,689	84-2	76-9	83-6	179	647	3,293	1,290
{ 1891-92 ...	37	6,486	644	6,730	5,602	399	5,401	82-2	62-0	80-3	157	587	3,150	1,265
Tinnevely. { 1890-91 ...	24	1,533	49	1,533	1,396	15	1,411	87-3	87-5	93-1	63	129	667	403
{ 1891-92 ...	25	1,592	87	1,679	1,424	46	1,471	89-6	82-9	87-0	67	130	796	433
Trichinopoly. { 1890-91 ...	15	1,619	97	1,716	1,423	26	1,508	87-8	66-0	87-9	114	163	917	312
{ 1891-92 ...	15	1,237	103	1,340	1,180	48	1,228	92-3	95-7	88-7	93	119	893	176
Vizagapatnam. { 1890-91 ...	19	2,349	197	2,236	1,892	143	2,035	92-8	72-6	91-1	118	427	1,025	440
{ 1891-92 ...	22	2,564	152	2,746	2,299	180	2,420	89-3	71-4	89-1	119	601	1,173	516
Total ... { 1890-91 ...	410	38,588	3,765	42,082	33,162	2,985	35,047	85-6	73-0	84-5	104	3,610	19,440	7,290
{ 1891-92 ...	427	43,581	3,834	47,355	36,134	2,187	38,271	82-9	56-7	80-8	111	7,996	20,444	7,594

16. Vaccination in cantonments.

Cantonments.	Number of vaccinators.	Number vaccinated.			Primary vaccination.				Re-vaccination.		Percentage of success.		Cost of each successful case.	Average number of operations per man.	
		Males.	Females.	Total.	Total.	Successful.			Total.	Successful.	Primary vaccination.	Re-vaccination.			
						Under one year.	Over one and under six years.	Above six years.							
Bangalore.	1890-91...	2	376	430	806	696	481	168	...	110	93	96.8	84.5	0 7 3	403
	1891-92...	2	423	536	959	689	463	145	...	321	214	95.3	66.6	0 6 8	479
Secunderabad.	1890-91...	4	1,656	1,400	3,056	2,985	1,462	1,232	...	71	63	90.3	88.7	0 0 3	764
	1891-92...	4	933	1,693	2,626	2,615	1,313	1,077	...	11	6	91.4	54.5	0 0 4	656
Total...	1890-91...	6	2,032	1,830	3,862	3,681	1,943	1,400	...	181	156	90.8	86.2	0 1 10	644
	1891-92...	6	1,356	2,229	3,585	3,253	1,776	1,222	...	332	220	92.2	66.3	0 2 0	597

17. The following table shows the inspection work of Deputy Inspectors of Vaccination for 1891-92:—

Circles.	Number of inspecting officers.		Number of villages visited.		Total number of persons vaccinated.	Number of days spent on inspection duty.	Number of cases verified.		Total number of cases inspected by Deputy Inspectors of all sorts.	Total number of successful cases inspected by Deputy Inspectors.	Percentage of successful cases to total number inspected as reported by Deputy Inspectors.	Proportion per cent. of inspection to total number vaccinated.	
	First-class Deputy Inspectors.	Second-class Deputy Inspectors.	First-class Deputy Inspectors.	Second-class Deputy Inspectors.			First-class Deputy Inspectors.	Second-class Deputy Inspectors.				First-class Deputy Inspectors.	Second-class Deputy Inspectors.
Gooty	1	...	* 370	...	3,848	237	4,219	...	4,219	3,249	77.0	47.7	...
Penukonda	...	1	...	357	7,871	207	...	3,998	3,998	2,958	74.0	...	50.8
Bellary	1	...	396	...	15,746	281	9,637	...	9,637	8,629	89.5	61.2	...
Harpanahalli	...	1	...	431	7,194	233	...	4,778	4,778	4,378	91.6	...	68.8
Saidapet	* 1	...	596	...	17,113	264	9,501	...	9,501	8,752	92.1	55.5	...
Chingleput	1	...	610	...	24,859	253	14,375	...	14,375	13,654	95.0	57.2	...
North Coimbatore	...	1	...	+ 579	15,508	217	...	11,206	11,206	10,480	93.5	...	72.2
South Coimbatore	1	...	* 706	...	14,092	249	12,268	...	12,268	10,758	87.7	87.0	...
East Coimbatore	1	...	* 936	...	10,358	207	10,470	...	10,470	8,662	82.2	54.0	...
Cuddapah	1	...	* 459	...	13,479	206	9,254	...	9,254	8,293	89.6	68.6	...
Madanapalle	1	...	* 782	...	17,430	248	8,973	...	8,973	8,564	95.4	51.5	...
Sidhout	1	...	* 488	...	8,503	212	6,290	...	6,290	5,696	90.6	73.9	...
Chatrapur	1	...	385	...	16,835	206	9,725	...	9,725	8,694	88.8	57.6	...
Chicacole	1	...	557	...	10,630	287	7,834	...	7,834	7,372	94.1	73.7	...
Ganjam Hill Tracts	1	...	162	...	6,766	93	4,573	...	4,573	4,417	96.6	67.6	...
Ellor	1	...	346	...	15,997	179	10,273	...	10,273	8,596	83.7	64.2	...
Pithapuram	...	1	...	280	13,281	223	...	8,349	8,349	7,945	95.2	...	62.8
Rajahmundry	1	...	463	...	19,122	203	14,382	...	14,382	13,628	94.7	75.2	...

* Including hamlets.

† Including cases done in Municipal Towns.

Circles.	Number of inspecting officers.		Number of villages visited.		Total number of persons vaccinated.	Number of days spent on inspection duty.	Number of cases verified.		Total number of cases inspected by Deputy Inspectors of all sorts.	Total number of successful cases inspected by Deputy Inspectors.	Percentage of successful cases to total number inspected as reported by Deputy Inspectors.	Proportion per cent. of inspection to total number vaccinated.	
	First-class Inspectors.	Deputy Inspectors.	First-class Inspectors.	Deputy Inspectors.			First-class Inspectors.	Deputy Inspectors.				First-class Inspectors.	Deputy Inspectors.
Guntur	1	...	293	...	18,754	226	12,861	...	12,861	10,830	84.7	68.5	...
Masulipatam	1	...	242	...	19,964	163	10,323	...	10,323	9,203	89.2	51.7	...
Vinukonda	...	1	...	253	13,127	218	...	7,579	7,579	6,567	86.6	...	57.7
Channarayana	1	...	393	...	15,747	233	11,235	...	11,235	10,379	92.4	71.3	...
Kurnool	1	...	461	...	14,884	203	8,366	...	8,366	6,240	74.6	50.2	...
Dindigul	1	...	545	...	19,868	185	10,970	...	10,970	9,920	90.4	55.2	...
Madura	...	1	...	540	19,128	288	...	13,774	13,774	13,084	95.0	...	72.0
Paramakudi	1	...	339	...	22,259	226	8,149	...	8,149	7,690	94.4	36.6	...
Tellicherry	...	1	...	224	13,495	256	...	7,895	7,895	7,640	96.9	...	58.5
Calicut	1	...	256	...	20,008	278	10,445	...	10,445	9,546	91.4	52.2	...
Palghat	...	1	...	267	15,993	224	...	8,438	8,438	7,672	90.9	...	52.7
Kavali	...	1	...	455	10,674	212	...	7,372	7,372	6,803	92.3	...	69.0
Nellore	1	...	633	...	14,248	260	7,839	...	7,839	7,394	94.3	55.0	...
Ongole	...	1	...	207	13,097	117	...	6,039	6,039	5,523	91.5	...	46.1
Chittoor	1	...	872	...	18,259	267	10,623	...	10,623	10,051	94.6	58.2	...
Karvetnagar	...	1	...	403	11,640	177	...	5,676	5,676	5,373	94.7	...	48.7
Vellore	1	...	464	...	18,942	223	11,383	...	11,383	10,824	95.1	60.0	...
Krishnagiri	...	1	...	908	16,707	229	...	10,825	10,825	9,960	92.0	...	64.8
Namakkal	...	1	...	684	24,375	283	...	16,929	16,929	14,591	86.2	...	69.4
Salem	1	...	567	...	22,492	251	12,517	...	12,517	11,037	88.2	55.6	...
Cuddalore	1	...	616	...	32,251	238	17,196	...	17,196	16,168	94.0	53.3	...
Vridhachalam	...	1	...	439	16,083	179	...	10,309	10,309	9,905	96.1	...	64.0
No. I, South Canara	1	...	283	...	22,256	222	10,840	...	10,840	10,436	96.3	48.7	...
No. II, South Canara	...	1	...	285	14,633	217	...	7,873	7,873	7,628	96.9	...	53.8
Negapatam	1	...	737	...	19,027	268	11,949	...	11,949	11,367	95.1	62.8	...
Tanjore	1	...	883	...	22,537	272	12,003	...	12,003	11,097	92.5	53.2	...
Satara	...	1	...	457	21,137	280	...	13,140	13,140	12,534	95.4	...	62.1
Shermádevi	...	1	...	743	25,163	246	...	17,569	17,569	17,122	97.5	...	69.8
Tinnevely	1	...	763	...	22,785	257	15,397	...	15,397	14,734	95.7	67.5	...
Trichinopoly	1	...	628	...	33,919	241	17,057	...	17,057	16,590	97.2	50.3	...
Ganapur	...	1	...	635	4,425	234	...	3,542	3,542	3,093	87.3	...	80.0
Vizagapatam	...	1	...	544	26,063	295	...	14,627	14,627	14,101	96.4	...	56.2
Vizianagrum	1	...	361	...	20,742	190	8,798	...	8,798	8,283	94.1	42.4	...
Jeypore	1	...	279	...	8,113	216	4,928	...	4,928	4,592	93.2	60.7	...
Total	33	19	16,868	3,604	885,777	11,894	344,658	179,918	524,571	483,712	92.2	57.8	62.1

* Including cases done in Municipal towns.

In six ranges the deputies failed to verify 50 per cent. of the cases vaccinated. The Deputy Inspector, Gooty range, was reported to the President, District Board, who fined him Rs. 5.

The Permagudi deputy verified only 36.6 per cent. of the work done. This man was on leave for three months; but, considering that the number of cases vaccinated during the year in his range was less by 2,291 than in 1890-91, he has evidently neglected his duties. The President has been asked to fine him.

In Ongole there were many changes which interfered with the work. In August 1891; the deputy of this range was dismissed the service. A vaccinator

held charge till November when another deputy was appointed. This man fell sick and had to be removed. The present incumbent assumed charge on the 26th February 1892.

The short work in the Kárvetnagar range was due to a want of harmony between the deputy and the vaccinators. The vaccinators combined and brought several charges against the deputy, which, however, they failed to prove. They were insubordinate and prevented him from properly inspecting their work. The deputy has since been transferred.

The Deputy, No. 1 Circle, South Canara, has been called upon to explain his failure to verify the required number. Unless his explanation is satisfactory the President will be asked to fine him.

In Vizianagrum range the Deputy Inspector suffered from bad health, and, on the 18th September, was declared unfit for further service.

18. *Animal Vaccination.*—The following tables show the results obtained from calf-to-arm vaccinations:—

Circles.	Length of time animal vaccination was carried on.	Number of calves inoculated.	Total vaccinated.	Successful.	Unsuccessful.	Unknown.	Percentage of success.	Total cost* including the pay of vaccinators, &c.	Average cost of each successful case including the pay of vaccinators.
								RS. A. P.	RS. A. P.
Gooty	6 months and 15 days	35	559	525	31	3	94.4	1,305 0 10	0 6 0
Penunkonda	5 months	31	809	746	48	15	93.0	664 0 5	0 2 9
Bellary	Whole year	258	2,973	2,923	23	27	99.2	1,521 3 3	0 3 11
Harpanahalli	5 months and 27 days	101	1,879	1,869	5	5	99.7	621 6 6	0 3 4
Chingleput	7 months and 19 days	129	15,326	14,606	605	15	96.0	1,592 13 4	0 1 7
Saidápet	8 months	117	9,118	8,684	346	88	96.3	1,182 9 4	0 1 11
North Coimbatore.	2 months and 12 days	58	454	438	12	4	97.3	168 0 0	0 4 5
Cuddapah	Throughout the year in 2 tanks, in others 7 months.	218	10,984	9,718	772	494	92.6	1,531 10 3	0 2 4
Madanapalle	Nearly the whole year.	326	12,630	12,295	316	19	97.5	1,375 8 6	0 1 9
Sidhout	Whole year	167	7,353	6,685	484	184	93.2	2,374 15 5	0 5 2
Rajahmundry	3 months	27	744	661	41	42	94.2	183 6 1	0 4 0
Ellore	Do.	10	231	225	4	2	98.2	82 0 8	0 4 9
Pithápuram	4 months	32	3,173	2,762	100	311	96.5	182 8 11	0 1 0
Guntur	5 months	82	1,561	1,318	35	8	97.4	163 0 0	0 0 11
Vinukonda	Whole year	322	5,275	5,124	470	181	91.6	996 2 9	0 3 11
Cumbam	Do.	283	15,629	15,180	301	148	98.0	3,760 13 6	0 3 9
Kurnool	7 months	69	13,213	12,442	361	410	97.2	3,578 8 5	0 3 3
Dindigul	Do.	62	6,429	5,670	420	339	93.1	758 10 10	0 2 2
Madura	6 months and 17 days	88	8,383	7,855	318	210	96.1	523 5 5	0 0 10
Paramakudi	2 months	12	5,111	4,867	149	95	97.0	989 6 6	0 2 7
Tellicherry	4 months and 11 days	26	277	274	2	1	99.3	148 1 1	0 3 10
Calicut	3 months	14	897	815	77	5	91.4	354 15 0	0 2 9
Pálghat	6 months and 12 days	32	171	142	21	8	87.1	126 14 4	0 7 8
Kávali	7 months and 20 days	45	2,964	2,760	93	111	96.7	485 8 11	0 2 8
Nellore	6 months	35	2,607	2,422	42	143	98.3	682 0 0	0 2 3
Ongole	10 months	48	3,005	2,595	117	293	95.7	445 1 11	0 2 7
Nilgiris	8 months	48	214	190	24	...	88.8	298 7 9	0 3 1
Chittoor	2 months and 7 days.	12	2,401	2,340	33	28	98.6	439 11 11	0 2 6
Kárvetnagar	7 months	63	717	656	38	23	94.5	127 10 6	0 2 8
Yellore	Whole year	608	4,755	4,527	162	66	96.5	450 2 8	0 1 7
Madras	6 months	33	25,057	24,263	468	326	98.1	3,569 15 9	0 2 4
Krishnagiri	8 months	44	1,688	1,646	28	14	98.3	730 13 2	0 6 10
Nánakal	7 months and 25 days	55	6,207	5,364	471	372	91.9	497 10 11	0 1 5
Salem	7 months	205	4,432	4,084	300	48	93.1	425 3 11	0 1 7
Cuddalore	Do.	100	19,300	18,489	435	376	97.7	1,962 15 11	0 1 8
Vridhachalam	Whole year	101	9,005	8,745	123	137	98.6	969 2 0	0 1 9
Tanjore	Do.	86	10,142	8,868	688	586	92.8	2,358 8 6	0 1 8
Negapatam	10 months and 15 days	69	850	828	22	...	97.4	1,520 4 8	0 1 10
Tinnevely	11 months	67	6,625	6,422	183	20	97.2	753 4 9	0 1 9
Sátúr	Do.	66	6,393	5,866	348	159	94.4	707 2 11	0 1 8
Shermádevi	Whole year	146	8,272	8,023	147	102	98.2	352 13 2	0 0 8
Trichinopoly	Do.	146	19,518	18,765	464	289	97.6	823 9 3	0 0 8
Total		4,330	257,631	242,697	9,127	5,807	96.4	41,880 7 11	0 2 1

* Inclusive of the cost of work done with preserved animal lymph.

Preserved Animal Lymph.

Circles.	Total number vaccinated.	Successful.	Unsuccessful.	Unknown.	Percentage of success.
Gooty	3,260	2,937	214	89	93.2
Penunkonda	3,343	3,086	193	84	94.0
Bellary	3,391	3,265	60	46	98.2
Harpanahalli	1,170	1,147	14	9	98.8
Chingleput	1,282	1,124	89	69	92.6
Saidápet	1,476	1,338	97	41	93.2
North Coimbatore	324	167	127	30	56.8
South Coimbatore	252	102	122	28	45.5
East Coimbatore	415	264	139	12	65.5
Cuddapah	906	697	203	6	77.4
Madanapalle	318	285	81	2	90.2
Sidhout	850	712	115	23	86.0
Chitrapur	4,139	4,090	49	...	98.8
Chicacole	3,131	3,067	59	5	98.1
Ganjákh Hill Tracts	604	486	26	92	94.9
Rajahmundry	114	71	36	7	66.3
Ellore	70	52	16	2	76.5
Pithápuram	253	227	17	9	93.0
Masulipatam	62	47	9	6	83.9
Vinukonda	348	327	9	12	97.3
Guntur	1,616	1,491	120	15	92.5
Cumbam	896	790	85	21	90.3
Kurnool	916	852	23	41	97.4
Dindigul	84	21	13	...	61.8
Paramakudi	1,359	1,261	83	15	93.3
Madura	2,328	2,184	101	43	95.6
Tellicherry	408	340	51	17	87.0
Calicut	1,385	1,246	105	34	92.2
Pálghat	223	124	83	16	59.9
Kávali	194	167	20	7	89.3
Ongole	256	146	111	9	56.8
Nellore	2,090	1,922	40	122	97.7
Nilgiris	1,518	1,379	90	49	95.7
Chittoor	564	531	24	9	87.0
Kárvetnagar	183	114	17	2	82.8
Nánakal	88	70	15	3	96.4
Salem	154	133	5	16	99.0
Krishnagiri	195	191	2	2	96.5
Cuddalore	619	578	21	20	86.8
No. 1, South Canara	2,677	2,277	316	54	88.9
No. 11, do.	1,259	1,046	130	83	91.9
Tanjore	15,996	13,944	1,221	831	97.1
Negapatam	12,842	12,253	364	225	87.7
Tinnevely	658	541	76	41	95.2
Sátúr	842	779	39	24	89.5
Shermádevi	189	185	1	3	89.4
Guntur	323	263	31	29	65.4
Jeypore	107	70	37	47	97.9
Vizianagrum	15,872	15,503	322	133	97.6
Vridhachalam	6,558	6,270	155	...	...
Total	98,017	90,172	5,362	2,483	94.4

Animal Vaccination of all kinds by Medical Subordinates.

Districts.	Total number vaccinated by all kinds of lymph.	Successful.	Unsuccessful.	Unknown.	Percentage of success.
Anantapur	176	151	15	10	91.0
Bellary	2,097	1,381	154	562	89.9
Chingleput	4,374	3,961	373	40	91.4
Coimbatore	545	426	112	7	79.2
Cuddapah	1,656	1,205	364	87	76.3
Ganjam	1,176	761	413	2	64.8
Godavari	154	144	4	6	97.3
Kistna	593	444	142	9	75.7
Kurnool	1,707	1,289	259	159	83.3
Madura	4,953	3,777	893	283	80.8
Nilgiris	950	847	76	27	91.7
Malabar	820	577	168	75	77.4
Nellore	1,540	1,435	87	58	94.3
North Arcot	2,888	2,272	533	83	81.0
Salem	2,355	1,840	459	56	80.0
South Arcot	1,809	1,486	228	95	86.7
South Canara	652	520	82	50	86.4
Tanjore	4,992	3,570	1,199	223	74.8
Tinnevely	334	335	31	18	91.5
Trichinopoly	1,001	859	54	58	94.3
Vizianagrum	3,542	2,629	780	133	77.1
Total	38,405	29,930	6,436	2,041	82.3

VACCINATION REPORT.

Table showing Animal Vaccination conducted in the Municipalities.

Municipalities.	Direct from Cal.				Preserved Animal Lymph.				Janelino Paste.				Total.			
	Total	Successful	Unsuccessful	Unknown	Percentage of success.	Total	Successful	Unsuccessful	Unknown	Percentage of success.	Total	Successful	Unsuccessful	Unknown	Percentage of success.	Total
Adoni	105	99	3	3	97.1	886	731	30	125	96.0	886	731	30	125	96.0	886
Anantapur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Anakapalle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bellary	2,447	2,417	29	1	98.8	1,042	928	114	...	89.1	1,042	928	114	...	89.1	1,042
Berhampore	1,254	872	359	23	70.8	13	10	3	...	76.9	1,254	872	359	23	70.8	1,254
Berhampore	73	73	...	...	100.0	20	10	10	...	50.0	73	73	...	...	100.0	73
Bimlipatam	...	...	...	...	...	505	478	25	2	95.0	505	478	25	2	95.0	505
Calicut	865	765	88	12	88.4	1,455	1,147	264	44	81.3	1,455	1,147	264	44	81.3	1,455
Cannore	777	761	...	10	99.2	350	330	17	3	95.1	777	761	...	10	99.2	777
Chitradurga	...	...	...	...	...	748	389	353	6	52.4	748	389	353	6	52.4	748
Chidambaram	616	393	...	13	63.8	...	...	...	...	100.0	616	393	...	...	63.8	616
Cochin	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cocanada	1,028	758	190	80	73.9	189	147	41	1	78.3	1,028	758	190	80	73.9	1,028
Cornwall	1,216	1,199	16	1	98.6	255	252	3	...	99.2	1,216	1,199	16	1	98.6	1,216
Cornwall	1,331	1,300	17	14	97.7	408	355	46	7	88.6	1,331	1,300	17	14	97.7	1,331
Cuddalore	932	851	62	19	91.7	533	421	92	20	82.1	932	851	62	19	91.7	932
Cuddalore	708	692	11	6	98.4	...	...	...	...	...	708	692	11	6	98.4	708
Dindigul	737	713	24	...	96.7	...	...	...	...	...	737	713	24	...	96.7	737
Ellore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erde	...	...	...	...	...	70	60	10	...	85.7	...	...	...	...	...	...
Gudiyam	472	445	8	19	94.3	46	43	3	1	95.6	472	445	8	19	94.3	472
Guntur	603	591	15	2	97.5	26	23	3	...	88.5	603	591	15	2	97.5	603
Karur	...	...	...	...	...	20	7	10	3	41.2	...	...	...	...	...	...
Kumbakonam	1,550	1,474	72	4	95.0	...	...	...	...	...	1,550	1,474	72	4	95.0	1,550
Kurnool	755	714	23	18	93.2	...	...	...	...	...	755	714	23	18	93.2	755
Madras	25,057	24,263	468	326	97.1	1,081	955	69	56	93.1	25,057	24,263	468	326	97.1	25,057
Madras	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Managadla	517	512	3	2	99.4	63	62	1	...	96.4	517	512	3	2	99.4	517
Mangalore	1,167	1,131	34	2	97.1	329	314	15	...	96.4	1,167	1,131	34	2	97.1	1,167
Marripalam	2,023	1,932	91	...	95.5	...	...	...	...	...	2,023	1,932	91	...	95.5	2,023
Mayavaram	723	681	41	1	94.3	30	29	2	6	93.5	723	681	41	1	94.3	723
Nagapattinam	1,358	1,251	60	47	94.2	194	175	15	3	92.1	1,358	1,251	60	47	94.2	1,358

VACCINATION REPORT.

Municipalities.	Direct from Cal.				Preserved Animal Lymph.				Janelino Paste.				Total.			
	Total	Successful	Unsuccessful	Unknown	Percentage of success.	Total	Successful	Unsuccessful	Unknown	Percentage of success.	Total	Successful	Unsuccessful	Unknown	Percentage of success.	Total
Nellore	1,083	1,034	41	8	95.2	...	...	...	...	...	1,083	1,034	41	8	95.2	1,083
Onore	408	355	17	5	95.8	5	362	...	...	100.0	408	355	17	5	95.8	408
Ottavand	28	23	...	...	100.0	439	...	...	...	87.0	28	23	...	...	100.0	28
Palamcottah	358	342	14	2	96.0	...	...	...	...	...	358	342	14	2	96.0	358
Palgat	...	...	...	...	...	241	228	13	...	94.5	...	...	...	...	...	...
Pattinam	...	...	...	...	...	275	169	206	...	45.1	...	...	...	...	...	...
Periyakulam	466	424	35	7	92.4	...	...	...	...	22.2	466	424	35	7	92.4	466
Puthi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rajahmundry	1,504	1,359	145	100	90.4	101	76	6	10	92.7	1,504	1,359	145	100	90.4	1,504
Salem	3,524	3,421	90	13	97.1	...	...	...	...	...	3,524	3,421	90	13	97.1	3,524
Srirangam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tanjore	513	485	28	...	94.5	969	928	39	2	97.0	513	485	28	...	94.5	513
Tellicherry	859	770	72	17	91.4	627	467	118	42	79.8	859	770	72	17	91.4	859
Tinnevely	1,568	1,538	15	15	99.0	...	...	...	...	...	1,568	1,538	15	15	99.0	1,568
Trichinopoly	11,592	10,980	159	433	98.6	...	...	...	...	...	11,592	10,980	159	433	98.6	11,592
Trivandrum	932	807	89	26	86.5	...	...	...	...	...	932	807	89	26	86.5	932
Trivandrum	402	384	13	5	96.7	436	397	39	...	91.1	402	384	13	5	96.7	402
Tuticorin	492	458	34	...	93.1	...	...	...	...	...	492	458	34	...	93.1	492
Vaniyambudi	1,160	1,073	25	2	97.7	...	...	...	...	...	1,160	1,073	25	2	97.7	1,160
Vellore	843	779	59	5	93.0	...	...	...	...	...	843	779	59	5	93.0	843
Vizagapatnam	382	317	12	3	96.4	1,639	1,529	96	14	94.1	382	317	12	3	96.4	382
Vizagapatnam	...	...	...	...	...	808	771	32	5	96.0	...	...	...	...	...	...
Wajahpet	...	...	...	...	...	7	1	6	...	14.3	...	...	...	...	...	...
Total	72,788	69,927	2,542	1,319	96.4	14,203	12,151	1,761	301	87.3	72,788	69,927	2,542	1,319	96.4	72,788

* Unknown cases are excluded in calculating the percentage of success.

From Lanoline Paste (inclusive of cases done by Medical Subordinates).

Districts.	Total number vaccinated.	Successful.	Unsuccessful.	Unknown.	Percentage of success.
Anantapur ...	5,763	3,927	1,534	302	71.9
Bellary ...	5,529	5,253	170	106	96.8
Chingleput ...	18,146	14,570	1,204	372	92.4
Coimbatore ...	16,911	12,793	2,610	1,508	83.0
Cuddapah ...	4	4	...	...	100.0
Ganjam ...	536	314	222	...	58.6
Godavari ...	...	...	...	...	...
Kistna ...	24,022	18,707	4,167	1,148	81.7
Kurnool ...	37	17	18	2	48.6
Madras ...	1,436	741	115	580	86.6
Madura ...	25,422	22,164	2,320	938	90.5
Malabar ...	15,254	13,136	1,330	788	90.8
Nellore ...	15,379	14,236	711	432	95.2
Nilgiris ...	864	783	53	28	93.7
North Arcot ...	17,406	16,341	664	401	96.0
Salem ...	18,516	16,212	1,618	686	90.9
South Arcot ...	14,219	13,232	576	411	95.8
South Canara ...	1,608	1,203	318	87	79.0
Tanjore ...	99	40	58	1	40.8
Tinnevely ...	1,634	1,149	449	56	71.9
Trichinopoly ...	10,940	9,248	914	778	91.0
Vizagapatam ...	36	25	11	...	69.4
Total ...	191,781	164,095	19,062	8,624	89.6

Report of the progress made with animal vaccination during the year.

At the commencement of the year Surgeon-Major W. G. King was still experimenting, in most of the districts, with lanoline-vaccine. In July the lanoline-vaccine supply was suddenly stopped, and other methods of carrying on vaccination had to be re-started.

Orders were passed on Surgeon-Major W. G. King's final report on the 3rd September 1891, when Government ruled that wherever possible, with a due regard to economy, fresh animal lymph should be employed in all vaccine operations for the future, and Dr. King's lanoline paste should be availed of only when the use of stored lymph cannot be avoided. The use of humanized lymph was ordered to be entirely discontinued.

On the 10th October, Government directed (Order No. 860, Public), that the use of lanoline paste for vaccination purposes, made under the orders of Surgeon-Major W. G. King, should immediately cease, and that the lymph derived from it be disused as far as possible.

In Tanjore, Surgeon-Major H. A. F. Nailer employed glycerine as a preservative of calf lymph with considerable success.

Towards the end of the year animal lymph was being used in every district—in some extensively—in others to a limited extent.

In August, at the request of the Sanitary Commissioner, I experimented with two tubes of "vaccine pulp," received from Saigon. In this form of preserved lymph the pulp taken from inoculated calves is mixed with one-third of its weight of pure glycerine. The method of preserving "vaccinal pulp" at the Saigon institute appears to be efficient and simple—vide my report embodied in G.O., dated 1st September 1891, No. 746, Public.

In December I submitted for the approval of the Sanitary Commissioner certain directions and suggestions for the carrying on of animal vaccination in towns and districts. These were issued, in the form of a circular, to all districts and municipal authorities.

19. During the year one Deputy Inspector retired from the service; one was dismissed for borrowing money from a vaccinator and for general bad conduct.

Two first-class deputies were reduced to second class; and one second-class deputy was reduced to the grade of vaccinator for misconduct. Four deputies were fined for various offences.

20. The service registers of the Deputy Inspectors of Vaccination have been maintained and brought up to date, with the exception of five, belonging to men recently promoted, and which are now under verification.

I have the honour to be,

Sir,

Your most obedient servant,

DONALD F. DYMOTT, Surgn.-Major,
Inspector of Vaccination and Deputy
Sanitary Commissioner, Madras.

17th June 1892.

APPENDIX.

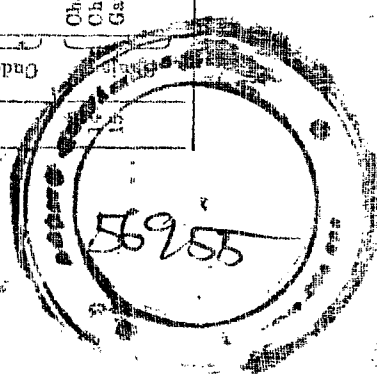
VACCINATION RETURNS.

A—VACCINE DEPARTMENT.

STATEMENT No. I showing the Particulars of Vaccination in the Madras Presidency during the official year 1891-92.

Number.	Districts.	Circles.	Population of districts or circles according to the census of 1881.	Average population per square mile.	Average number of vaccinators employed throughout the season.	Total number of persons vaccinated.			Average number of persons vaccinated by each vaccination.	Primary vaccination.			Re-vaccination.		Percentage of successful cases.		Persons successfully vaccinated per 1,000 of population.		# Average number of persons successfully vaccinated during previous 5 years.		Average annual number of deaths from small-pox during previous 5 years.	
						Males.	Females.	Total.		Total.	Under 1 year.	Over 1 and under 6 years.	Total of all ages.	Total.	Successful.	Primary vaccination.	Re-vaccination.	Primary vaci-nation.	Re-vaccination.	Number.	Ratio per 1,000.	Number.	Ratio per 1,000.
1	Amavathi.	Gooty circle.	205,470	120	10	4,735	4,083	8,818	885	8,613	2,606	5,000	7,255	235	176	84.2	71.9	24.5	0.6	25.1	...	...
2		Penukonda circle.	208,512	113	7	4,210	3,661	7,871	1,124	7,480	2,038	3,877	6,320	411	271	84.7	65.9	21.2	0.9	25.1	...	...
3		Total of district.	694,982	117	17	8,975	7,744	13,719	993	13,073	4,664	8,937	13,575	646	447	84.5	69.2	22.8	0.8	25.1	...	...
4	Bellary.	Bellary circle.	429,492	115	15	8,583	7,163	15,746	1,030	15,192	8,698	5,025	14,754	554	485	97.1	87.5	34.4	1.1	35.5	...	...
5		Ranapahalli circle.	229,892	140	9	3,794	3,700	7,494	832	7,404	3,639	3,552	7,356	...	...	98.2	...	33.3	...	33.3	...	...
6		Total of district.	650,374	113	24	13,377	10,863	23,240	963	22,686	12,337	9,177	22,110	554	483	97.5	87.5	34.0	0.7	34.7	13,650	801
7	Chingleput.	Chingleput circle.	488,639	288	14	12,756	12,103	24,859	1,774	24,513	9,857	11,150	23,022	346	194	93.9	56.1	47.1	0.4	47.5	...	...
8		Sankapet do.	455,447	291	19	9,787	8,326	17,113	1,755	16,713	5,834	7,676	15,669	400	182	93.8	45.5	34.4	0.4	34.8	...	...
9		Total of district.	944,086	332	24	21,543	20,429	41,972	1,707	41,226	15,101	18,826	38,691	746	376	93.9	50.4	41.0	0.4	41.4	21,824	1,036
10	North Coimbatore.	North Coimbatore circle.	457,672	151	12	7,311	7,697	15,008	1,232	13,410	6,203	7,006	13,641	98	30	88.5	30.6	29.8	0.08	29.8	...	...
11		South do.	438,572	235	9	7,100	6,992	14,092	1,567	13,596	4,172	7,179	11,811	196	58	85.2	29.6	23.7	0.1	23.8	...	...
12		East do.	643,110	234	18	9,651	9,357	19,008	1,063	18,695	6,782	9,438	17,091	313	171	91.4	54.6	26.5	0.3	26.8	...	...
13		Total of district.	1,539,354	254	39	24,562	24,046	48,608	1,249	45,001	17,160	23,678	42,573	607	259	89.7	42.7	26.0	0.2	26.8	49,538	777
14	Cuddalore.	Cuddalore circle.	406,639	160	13	7,890	5,582	13,472	1,133	12,440	3,238	6,439	11,399	1,030	594	91.1	57.1	27.8	1.5	29.3	...	...
15		Sidhout do.	275,837	109	9	4,538	3,965	8,503	945	8,336	4,714	7,573	10,258	167	98	89.8	58.7	27.4	0.1	27.8	...	...
16		Madhavapalle do.	419,470	117	14	9,494	8,495	17,989	1,585	17,454	3,220	9,753	17,095	505	389	98.3	77.0	40.8	0.9	41.7	...	...
17		Total of district.	1,102,946	126	35	21,922	18,043	39,971	1,142	38,260	7,314	20,926	36,096	1,711	1,081	94.1	63.2	32.7	1.0	33.7	18,802	1,112
18	Chattrapur.	Chattrapur circle.	906,219	456	18	9,133	7,752	16,885	993	16,528	7,221	11,671	16,445	357	357	99.5	100.0	18.1	0.4	18.5	...	...
19		Chiccacole do.	539,816	403	13	5,755	5,075	10,630	818	10,490	1,437	3,100	10,258	140	127	97.8	90.7	19.0	0.2	19.2	...	...
20		Ganjam hill tracts.	246,303	47	7	3,345	3,421	6,766	936	6,766	733	2,565	6,158	...	...	91.5	...	25.1	...	25.1	...	...
21		Total of district.	1,692,333	202	38	18,033	16,243	34,281	902	33,784	2,922	21,566	32,892	497	484	97.4	97.4	19.4	0.3	19.7	35,373	1,745

* 3 Vaccinators were temporarily employed for 3 months in the year.



STATEMENT No. I showing the Particulars of Vaccination in the Madras Presidency during the official year 1891-92—continued.

Number.	District.	Circles.	Population of districts or circles according to the census of 1891.	Average population per square mile.	Average number of vaccinators employed throughout the season.	Total number of persons vaccinated.				Primary vaccination:				Re-vaccination.		Percentage of successful cases.		Persons successfully vaccinated per 1,000 of population.		Average number of persons vaccinated during previous 5 years.		Average annual number of deaths from small-pox during previous 5 years.	
						Total.		Total of all ages.		Under 1 year.		Over 1 and under 6 years.		Total.	Successful.	Primary vaccination.	Re-vaccination.	Primary vaci.	Re-vaccination.	Number.	Ratio per 1,000.	Number.	Ratio per 1,000.
16	Godavari.	Ellore circle	580,485	280	17	7,382	6,743	14,125	820	13,543	716	11,042	13,501	582	508	35.2	87.3	22.9	0.9	...	...	...	...
17		Pittapur do.	329,653	264	12	6,904	6,068	12,972	1,081	12,815	655	8,088	12,012	152	132	33.7	86.8	...	...	...	...	...	...
18	Kistna.	Government (Paddar nators agency).	790,337	200	1	174	140	814	314	17,803	4	86	167	...	...	53.2	...	38.9	0.4	...	...	...	...
19		Rajamahendry circle	...	...	10	3,556	8,624	18,240	1,148	17,803	1,305	10,155	17,357	487	434	87.0	89.1	24.7	0.7	...	...	...	...
20	Kurnool.	Government (Bhadrachalam agency).	1,700,525	290	50	23,784	22,716	46,500	970	47,153	265	1,240	2,178	121	115	88.9	95.0	...	...	...	...	...	...
21		Total of district ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	Madura.	Guntur circle	562,803	223	17	9,950	8,804	18,754	1,103	18,563	1,799	10,259	16,509	191	83	89.0	48.0	29.3	0.2	...	...	...	...
23		Masripatam circle	602,408	174	20	10,810	9,554	19,864	988	18,835	1,291	8,722	16,422	1,119	715	87.1	63.8	26.9	1.2	...	...	...	...
24	Madurai.	Vinukonda do.	321,357	132	12	6,831	6,246	13,127	1,094	12,876	1,239	6,252	10,730	251	112	83.4	44.6	33.4	0.3	...	...	...	...
25		Total of district ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	Tanjore.	Cumbum circle	1,493,778	176	49	27,591	24,354	51,845	1,058	50,294	4,326	25,263	32,631	1,501	915	86.8	55.6	29.2	0.6	...	...	...	...
27		Kurnool do.	323,837	73	6	10,624	5,122	15,747	2,624	11,646	2,630	5,135	11,262	4,099	3,942	97.5	96.2	35.0	12.2	...	...	...	...
28	Tamil Nadu.	Total of district ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29		Diadign circle	664,475	211	14	10,160	9,578	19,668	1,419	18,017	7,446	8,655	16,938	851	454	89.2	54.5	25.5	0.7	...	...	...	...
30	Tamil Nadu.	Madurai do.	408,398	314	10	10,317	8,811	19,128	1,425	17,755	5,452	10,532	17,524	303	271	93.5	69.0	35.2	0.5	...	...	...	...
31		Perungudi do.	888,014	241	18	21,684	19,575	41,259	1,257	20,912	6,265	11,072	19,687	1,257	134	95.2	72.6	22.6	1.1	...	...	...	...
32	Tamil Nadu.	Total of district ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
33		Tellicherry circle	2,047,800	244	42	32,191	29,074	61,265	1,468	59,774	19,246	30,269	54,499	2,521	1,659	92.8	65.9	27.1	0.5	...	...	...	...
34	Tamil Nadu.	Calicut do.	2,204,846	384	11	9,103	8,397	17,495	1,256	13,072	177	5,571	13,231	433	375	93.7	88.7	...	...	...	...	...	...
35		Palgat do.	...	...	13	18,403	6,602	25,005	1,339	18,968	326	4,404	17,504	1,070	637	92.5	62.3	19.7	0.6	...	...	...	...
36	Tamil Nadu.	Total of district ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
37		Kavali circle	373,748	132	9	13,518	12,157	25,675	1,156	10,557	1,147	6,604	9,812	117	71	92.9	63.2	26.3	0.2	...	...	...	...
38	Tamil Nadu.	Nellore do.	327,873	137	12	14,110	12,157	26,267	1,156	14,441	1,125	8,918	13,375	107	69	94.6	61.5	33.6	0.2	...	...	...	...
39		Ongele do.	471,910	188	10	16,731	14,245	30,976	1,310	12,968	865	7,551	11,339	109	81	87.7	71.3	27.6	0.2	...	...	...	...
40	Tamil Nadu.	Total of district ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
41		Nilgiri Circle	1,139,531	185	31	19,262	16,657	35,919	1,256	37,086	3,137	23,108	34,556	333	224	91.7	67.3	29.2	0.3	...	...	...	...
42	Tamil Nadu.	Total of district ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
43		Chittoor circle	637,705	232	15	9,637	8,622	18,259	1,217	17,323	6,269	9,196	16,965	936	829	97.9	88.6	35.7	1.3	...	...	...	...
44	Tamil Nadu.	Karvetnagar circle	473,771	306	9	5,946	5,694	11,640	1,293	11,375	2,196	8,633	10,829	255	187	95.2	70.6	23.0	0.4	...	...	...	...
45		Vellore do.	608,448	208	12	9,761	9,181	18,942	1,575	15,445	3,503	11,703	17,124	497	353	94.4	72.2	28.4	0.6	...	...	...	...
46	Tamil Nadu.	Total of district ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
47		Cuddalore circle	1,740,014	244	36	25,344	23,497	48,841	1,357	47,113	11,974	29,532	45,219	1,088	724	95.9	81.0	25.0	0.8	...	...	...	...
48	Tamil Nadu.	Krishnagiri circle	392,465	150	12	8,317	8,280	16,707	1,302	16,299	3,871	8,619	15,599	408	208	55.7	74.3	33.7	0.8	...	...	...	...
49		Salem do.	512,829	179	18	11,309	11,138	22,447	1,219	21,574	3,925	14,178	20,885	518	445	93.2	72.0	39.7	0.9	...	...	...	...
50	Tamil Nadu.	Namakkal do.	604,459	235	19	12,117	12,253	24,375	1,253	22,295	3,503	14,370	20,343	2,680	1,634	91.2	76.2	33.6	2.7	...	...	...	...
51		Total of district ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
52	Tamil Nadu.	Cuddalore circle	1,122,846	240	16	15,815	15,436	31,251	1,791	31,784	4,622	19,484	30,336	467	377	95.4	87.3	27.1	0.3	...	...	...	...
53		Vridhachalam circle	628,510	401	12	8,504	7,579	16,083	1,340	15,909	3,635	9,626	15,278	174	116	96.0	85.7	24.3	0.2	...	...	...	...
54	Tamil Nadu.	Total of district ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
55		No. I. South Canara circle	573,167	300	14	10,383	11,873	22,256	1,589	21,172	2,549	8,731	20,134	1,084	827	95.1	76.3	35.2	1.4	...	...	...	...
56	Tamil Nadu.	No. II. do.	354,248	178	11	8,103	6,530	14,633	1,330	13,902	700	5,502	12,924	731	557	93.0	76.2	36.4	1.6	...	...	...	...
57		Total of district ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
58	Tamil Nadu.	Negapatam circle	927,415	238	25	18,466	18,403	36,889	1,476	35,074	1,949	14,293	53,048	1,815	1,384	94.2	76.3	35.6	1.5	...	...	...	...
59		Tanjore do.	881,387	401	16	9,981	9,046	19,027	1,159	18,208	2,172	11,297	17,519	819	632	96.2	77.2	19.2	0.7	...	...	...	...
60	Tamil Nadu.	Total of district ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
61		Sakár circle	495,558	271	12	11,601	9,536	21,137	1,761	19,369	3,606	11,667	18,689	1,753	1,359	95.7	75.9	27.4	2.7	...	...	...	...
62	Tamil Nadu.	Shermádevi circle	475,904	304	14	14,129	11,034	25,163	1,797	23,655	4,376	12,839	22,982	1,538	1,339	97.3	87.0	47.9	2.8	...	...	...	...
63		Tinnevely do.	668,819	342	16	12,974	9,811	22,785	1,424	21,084	4,779	11,528	20,591	1,701	1,420	97.6	85.5	30.9	2.1	...	...	...	...
64	Tamil Nadu.	Total of district ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
65		Total of district ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
66	Tamil Nadu.	Tiruchinopoly circle	1,110,811	313	18	17,072	16,947	34,919	1,884	31,039	3,775	20,330	50,473	2,899	2,620	94.9	91.0	25.5	2.3	...	...	...	...
67		Total of district ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
68	Tamil Nadu.	Ganapur circle	694,073	50	18	6,614	5,924	12,538	607	12,533	1,850	6,683	12,007	5	5	95.8	100.0	17.3	0.01	...	...	...	...
69		Zemindary vaccinators.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
70	Tamil Nadu.	Jeyporo circle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
71		Zemindary vaccinators.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
72	Tamil Nadu.	Total of Hill tracts ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
73		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

A—VACCINE DEPARTMENT.

STATEMENT No. I showing the Particulars of Vaccination in the Madras Presidency during the official year 1891-92—continued.

Number.	Districts.	Circles.	Population of districts or circles according to the census of 1881.	Average population per square mile.	Average number of vaccinators employed throughout the season.	Total number of persons vaccinated.		Average number of persons vaccinated by each vaccinator.	Primary vaccination.				Re-vaccination.		Percentage of successful cases.		Persons successfully vaccinated per 1,000 of population.		Average number of persons successfully vaccinated during previous 5 years.		Average annual number of deaths from small-pox during previous 5 years.			
						Males.	Females.		Total.	Total.	Under 1 year.	Over 1 and under 6 years.	Total of all ages.	Total.	Successful.	Primary vaccination.	Re-vaccination.	Primary vacci.	Re-vaccination.	Number.	Ratio per 1,000.	Number.	Ratio per 1,000.	Number.	Ratio per 1,000.
52	Vizagapatnam—cont.	Vizagapatnam circle ...	803,291	455	16	11,869	9,983	21,852	1,305	20,490	2,544	5,253	20,299	1,302	1,228	99.1	90.2	1.5	27.8	...	...	...	...	
		Government vaccinators (Gudem hills) ...				2	414	383	797	398	797	22	452	797	...	100.0	...	...	...	...	...	...	...	...	...
53	Total of district ...	Vizagapatnam circle ...	912,286	539	17	10,031	9,758	19,789	1,164	18,677	2,927	10,874	17,988	1,112	968	96.3	88.6	1.1	20.8	...	...	...	...	
		Total of district ...				53	28,928	26,048	54,976	1,037	52,497	6,903	23,272	51,091	2,479	2,221	97.3	89.6	0.9	22.1	46,954	19.5	706	0.3
1	Total of circles and districts ...	Total of circles and districts ...	28,967,614	245	692	474,106	409,324	883,430	987	843,198	103,845	42,669	789,495	40,232	91,984	93.7	79.4	1.1	28.4	654,649	22.9	21,602	0.7	
		Total of circles and districts ...				...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1	Secunderabad	Secunderabad ...	52,000	...	4	933	1,693	2,626	656	2,615	1,313	1,077	2,890	11	6	91.4	54.5	0.1	46.1	...	...	...	...	
		Bangalore ...				2	423	636	959	638	463	145	608	321	214	95.3	69.6	7.6	2.7	10.3	...	...	...	...	...	...
2	Total of cantonments ...	Total of cantonments ...	131,487	...	6	1,356	2,229	3,585	697	3,253	1,776	1,222	2,698	332	230	92.2	68.3	1.7	24.5	3,120	23.7	58	0.4	
		Total of cantonments ...				...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	* Medical Subordinates.	* Medical Subordinates.	...	...	...	8,018	445	8,463	...	3,804	48	198	2,724	4,650	2,517	71.6	54.0	...	...	...	...	...	...	
		* Medical Subordinates.				...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1	Addoni	Addoni ...	22,441	7,480	1	796	505	1,301	1,801	1,050	776	214	990	251	105	94.3	41.8	4.7	48.3	1,066	44.8	22	0.9	
		Addoni ...				...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	Anantapur	Anantapur ...	4,907	545	1	242	135	377	377	231	194	22	225	146	121	97.4	82.9	24.6	70.5	307	62.6	2	0.4	
		Anantapur ...				...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	Anakapalle	Anakapalle ...	13,341	1,112	1	515	247	772	972	878	229	534	855	94	50	96.2	62.8	64.1	44.4	374	27.9	2	0.4	
		Anakapalle ...				...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	Bellary	Bellary ...	23,450	2,056	4	2,003	1,466	3,469	872	1,695	1,194	1,194	3,208	163	142	96.3	87.1	59.9	2.7	62.6	1,803	33.5	68	1.3
		Bellary ...				...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	Berhampur	Berhampur ...	53,599	4,720	4	770	639	1,409	340	1,437	71	718	1,039	2	1	72.3	50.0	44.0	0.4	44.0	430	19.4	40	1.7
		Berhampur ...				...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	Beysala	Beysala ...	10,094	2,145	1	479	391	860	860	695	251	299	630	164	127	90.5	77.4	62.4	12.6	75.0	371	36.8	26	2.6
		Beysala ...				...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	Bhulapatam	Bhulapatam ...	8,582	4,351	4	361	204	565	505	346	163	147	331	163	147	95.7	92.5	38.3	17.1	55.7	465	54.2	3	0.3
		Bhulapatam ...				...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Calicut	Calicut ...	57,085	6,593	2	2,194	1,232	3,786	934	3,701	509	1,174	3,010	35	27	81.3	77.1	66.2	0.5	53.2	2,040	35.7	122	2.1
		Calicut ...				...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	Cananore	Cananore ...	26,336	5,446	1	1,074	889	1,963	981	1,893	410	1,103	1,745	70	44	92.2	62.9	66.2	1.7	67.3	1,327	50.2	22	0.8
		Cananore ...				...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	Chicasole	Chicasole ...	18,302	5,446	1	495	313	748	748	583	50	205	507	165	82	52.7	49.7	16.9	4.5	21.9	531	28.4	13	0.7
		Chicasole ...				...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	Chidambaram	Chidambaram ...	19,837	9,918	1	410	349	750	750	659	263	417	718	...	...	94.7	...	38.2	...	800	40.3	12	0.6	
		Chidambaram ...				...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	Cochin ...	Cochin ...	15,098	15,698	1	1,083	842	1,925	1,925	1,639	228	901	1,596	263	169	96.2	63.5	101.7	10.8	112.5	960	61.1	26	1.6
		Cochin ...				...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	Cocanada	Cocanada ...	30,441	5,771	4	1,034	710	1,804	451	1,789	153	607	1,233	15	3	68.9	20.0	40.3	...	579	19.0	71	2.3	
		Cocanada ...				...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

14	Coimbatore	38,937	12,350	2	857	845	1,702	851	1,656	769	806	1,412	46	30	85.2	05.2	36.2	0.7	30.27	1,221	31.3	94.24				
15	Cannarcorum	37,571	4,142	2	1,435	1,343	2,778	1,899	2,710	1,126	1,352	2,632	68	44	97.1	90.5	60.3	11.1	123.2	1,614	43.3	27.07				
16	Cannarcorum	4,778	531	2	330	323	653	653	687	178	302	531	68	53	90.5	80.3	111.1	11.1	123.2	301	62.9	4.08				
17	Cuddalore	41,545	3,024	3	955	811	1,766	589	1,764	455	967	1,549	2	1	87.8	80.0	35.57	0.62	35.50	1,293	28.3	27.06				
18	Cuddalore	15,832	534	1	412	397	709	268	685	333	271	663	44	30	197	68.2	3.9	1.6	36.5	704	37.0	15.08				
19	Dindigul	14,182	7,094	1	495	533	1,028	1,028	567	532	821	604	71	44	94.5	82.0	63.7	1.6	68.8	879	51.3	27.19				
20	Dindigul	23,032	3,737	2	878	617	1,595	547	1,635	370	882	1,832	69	56	99.4	98.3	64.7	2.2	40.9	990	38.3	3.01				
21	Erode	9,864	937	1	251	276	627	627	627	243	241	563	...	...	...	...	...	...	57.7	561	56.7	3.03				
22	Gudiyam	16,690	688	1	558	531	688	688	653	223	351	610	35	29	93.4	82.8	36.5	1.7	38.2	375	18.8	22.13				
23	Guntur	19,046	1,191	1	546	477	1,025	1,025	559	493	804	866	66	36	90.3	54.5	44.1	1.8	49.9	625	31.8	2.04				
24	Kurur	3,555	2,801	1	152	158	350	350	350	189	87	368	...	...	...	...	...	...	33.5	353	41.6	4.01				
25	Kumbakonam	40,098	16,899	2	771	779	1,550	775	1,478	616	825	1,408	112	66	95.6	88.0	33.5	...	33.5	353	41.6	4.01				
26	Kumbakonam	20,220	4,556	1	445	310	755	755	643	294	313	618	77	96	95.7	85.7	28.1	1.3	25.1	1,341	25.7	78.15				
27	Madurai	40,568	15,631	34	1,413	1,028	2,512	1,046	2,245	15,708	4,066	2,245	2,651	2,142	98.7	80.8	54.6	6.3	59.9	2,248	54.8	35.08				
28	Madurai	75,817	15,432	3	1,413	1,229	2,632	867	2,682	929	1,176	2,211	...	...	...	...	...	...	28.8	2,387	39.8	139.13				
29	Mannargudi	10,409	4,552	1	279	317	616	616	583	142	347	581	33	29	99.7	87.9	29.9	1.5	31.4	432	25.3	25.13				
30	Mannargudi	32,453	2,567	2	397	771	1,558	829	1,558	469	902	1,551	...	...	...	...	...	...	44.6	2,104	65.5	96.30				
31	Mannargudi	35,050	3,764	2	1,616	1,301	2,917	1,458	2,760	465	1,510	2,559	157	54	92.8	34.4	73.0	1.5	74.5	1,345	87.8	9.02				
32	Mannargudi	23,044	7,081	1	433	896	829	829	787	510	216	750	42	17	95.3	40.5	32.5	0.7	33.2	755	34.0	15.06				
33	Mannargudi	53,776	7,693	2	1,620	862	2,632	1,023	2,904	1,187	645	1,889	48	38	94.3	79.2	35.1	0.7	32.8	1,935	85.9	59.11				
34	Nellore	27,505	1,139	1	629	563	1,204	1,204	1,117	681	369	1,559	87	61	96.7	73.6	33.2	2.3	41.6	1,146	41.6	15.05				
35	Nellore	3,500	2,304	1	475	238	733	733	673	318	216	638	60	15	94.6	25.0	69.3	1.6	70.9	419	45.5	3.03				
36	Nellore	12,335	1,121	1	483	408	896	896	819	263	381	737	47	34	85.6	22.3	58.9	...	61.7	632	51.2	25.20				
37	Nellore	17,964	17,964	1	563	497	1,050	1,050	1,050	437	426	1,042	30	23	97.3	76.7	...	...	57.1	834	46.4	2.01				
38	Nellore	38,339	4,697	2	715	548	1,264	632	1,214	38	750	1,161	...	...	...	...	...	...	32.8	1,580	43.4	19.05				
39	Nellore	12,365	1,101	1	637	658	1,295	1,295	1,295	451	518	1,077	...	...	...	...	...	...	...	502	32.6	26.17				
40	Nellore	15,446	...	1	497	344	741	741	682	281	384	627	59	25	91.9	42.4	36.1	1.5	39.6	356	13.7	24.14				
41	Nellore	13,212	...	1	217	135	412	412	412	191	186	385	9	6	95.6	66.7	28.9	0.5	29.4	563	42.2	6.04				
42	Nellore	24,555	3,046	2	987	1,723	3,524	1,175	3,524	513	897	1,420	210	85	97.1	40.4	58.6	3.5	62.1	1,294	49.8	10.07				
43	Nellore	59,631	10,589	3	1,301	846	1,833	916	1,653	313	897	1,420	...	...	...	...	...	...	...	1,728	31.6	107.18				
44	Nellore	19,773	2,825	1	535	600	1,165	1,165	1,163	356	629	1,072	2	2	92.2	104.0	54.2	0.1	53.3	869	48.4	34.17				
45	Nellore	54,745	6,893	2	784	698	1,482	741	1,466	348	840	1,391	36	22	96.2	61.1	25.4	0.4	53.3	1,439	26.3	52.69				
46	Nellore	24,581	6,662	3	891	726	1,617	539	1,259	246	563	1,033	388	331	81.6	86.3	40.8	13.5	54.8	1,276	51.9	55.22				
47	Nellore	82,221	23,221	1	982	667	1,568	1,568	1,568	520	681	1,510	30	28	98.2	99.3	62.0	...	66.3	832	35.3	21.09				
48	Nellore	84,449	8,449	6	7,977	4,654	11,931	1,988	10,622	1,546	5,055	10,272	1,310	1,032	96.7	78.8	121.6	12.2	133.8	4,999	58.5	119.14				
49	Nellore	14,378	8,446	1	459	475	880	880	880	290	501	774	54	34	89.0	63.0	43.2	2.4	56.6	361	25.3	25.17				
50	Nellore	13,232	...	1	211	231	475	475	475	189	189	448	13	6	97.0	49.1	33.9	...	31.3	280	17.3	8.06				
51	Nellore	16,381	5,297	1	735	291	1,076	1,076	990	190	377	869	136	123	92.4	90.4	53.4	7.5	60.9	676	41.5	11.07				
52	Nellore	14,933	...	2	557	513	1,100	559	1,058	566	458	1,073	...	...	...	...	...	...	...	385	24.7	21.13				
53	Nellore	49,535	9,573	2	1,237	762	2,050	1,025	1,954	752	748	1,888	96	25	96.6	26.0	46.1	0.6	46.7	1,386	33.8	50.12				
54	Nellore	36,331	10,907	1	1,302	769	1,971	1,795	1,106	410	1,756	1,756	178	90	97.9	97.9	51.1	3.0	60.9	1,453	47.9	61.20				
55	Nellore	25,577	4,515	2	571	382	953	476	767	208	390	748	186	165	97.5	88.7	33.6	7.3	40.4	784	33.8	36.16				
56	Nellore	10,357	10,357	1	163	122	275	275	263	146	82	245	12	10	93.7	83.3	23.1	0.9	24.5	257	25.7	19.16				
Total of Municipalities																					78,093	41.9	1,907	1.2		
Grand Total																					745,862	241	23,567	0.8		

* Work performed in jails, police hospitals, revenue and other departments.

† In finding the average, the total work of medical subordinates is excluded.

A—VACCINE

STATEMENT No. II showing the Cost of the Department

Number.	Districts.	Circles.	Establishment.							Expenditure.		
			Inspector of Vaccination and Deputy Sanitary Commissioner.	Deputy Inspectors.	Deputy Inspectors.	Vaccinators.		Probationers.	Peons.	Pay of establishment.	Traveling allowance.	Contingencies.
						First class.	Second class.					
1	2	3	4	5	6	7	8	9	10	11	12	13
										RS. A. P.	RS. A. P.	RS. A. P.
1	Anantapur.	Gooty circle	...	1	...	2	4	4	1	2,326 12 6	231 11 0	255 5 10
2		Penukonda circle	...	...	1	1	3	3	1	1,445 13 3	394 11 0	251 8 4
		Total of district	...	1	1	3	7	7	2	3,772 9 9	626 6 0	506 14 2
3	Bellary.	Bellary circle	...	1	...	5	8	2	1	2,812 9 10	1,359 1 0	897 3 6
4		Harpanahalli circle	...	...	1	3	5	1	1	1,551 0 1	388 7 0	22 6 0
		Total of district	...	1	1	8	13	3	2	4,363 9 11	1,747 8 0	919 9 6
5	Chingleput.	Chingleput circle	...	1	...	4	7	3	1	2,727 2 4	692 12 9	552 15 9
6		Saidapet do.	...	1	...	3	5	1	4	2,136 15 7	501 11 6	664 0 3
		Total of district	...	2	...	7	12	4	5	4,864 1 11	1,194 8 3	1,617 0 0
7	Coimbatore.	North Coimbatore circle	...	...	1	3	8	1	1	2,170 0 9	254 1 0	441 6 0
8		South do.	...	...	1	3	6	...	1	2,122 0 4	320 7 0	161 15 9
9		East do.	...	...	1	...	4	10	4	1	3,012 12 8	206 9 0	392 8 4
		Total of district	...	2	1	10	24	5	3	7,304 13 9	781 1 0	995 14 1
10	Cuddapah.	Cuddapah circle	...	1	...	4	7	1	1	2,481 4 5	1,499 8 5	719 13 7
11		Madanapalle do.	...	1	...	4	8	2	1	2,501 9 4	1,511 3 0	811 14 4
12		Sidhout do.	...	1	...	3	5	1	1	2,054 5 4	1,082 13 9	529 4 6
		Total of district	...	3	...	11	20	4	3	7,037 3 1	4,093 9 2	2,061 0 5
13	Ganjam.	Chatrapur circle	...	1	...	5	11	2	1	3,263 0 9	249 0 0	75 9 4
14		Chicacole do.	...	1	...	4	8	1	1	2,329 15 0	284 0 0	92 1 0
15		Ganjam Hill tracts	...	1	...	...	7	...	1	1,977 7 1	355 15 0	54 3 1
		Total of district	...	3	...	9	26	3	3	7,566 1 10	888 15 0	221 13 5
16	Godavari.	Ellore circle	...	1	...	4	10	3	1	3,591 11 8	1,008 10 0	106 5 0
17		Pithapuram circle	...	...	1	4	6	2	1	2,012 11 0	880 0 0	75 14 4
		Government vaccinators (Peddapuram Agency).	...	...	...	1	...	...	...	†	†	†
18		Rajahmundry circle	...	1	...	4	9	3	1	2,784 12 0	953 0 2	488 5 11
		Government vaccinators (Bhadra-chalam).	...	...	3	...	1	...	...	482 1 1	242 13 0	7 0 0
		Total of district	...	2	1	16	25	9	3	7,871 3 9	3,034 7 2	677 9 3
19	Kistna.	Guntur circle	...	1	...	4	9	4	1	2,808 2 1	885 3 4	142 3 6
20		Masulipatam circle	...	1	...	6	9	5	1	3,260 4 6	931 5 6	102 11 1
21		Vinukonda do.	...	...	1	3	5	4	1	1,767 4 7	561 5 2	289 0 9
		Total of district	...	2	1	13	23	13	3	7,835 11 2	2,377 14 0	532 15 4
22	Kurnool.	Cannabam circle	...	1	...	4	...	2	1	2,145 15 3	547 1 0	1,067 13 0
23		Kurnool do.	...	1	...	4	...	2	1	2,168 14 8	471 13 9	937 12 0
		Total of district	...	2	...	8	...	4	2	4,314 14 2	1,018 14 9	2,005 9 0
24	Madura.	Dindigul circle	...	1	...	5	7	2	1	2,756 9 8	227 11 5	485 13 4
25		Madura do.	...	...	1	3	5	2	1	1,925 7 9	170 12 0	324 4 8
26		Paramakudi do.	...	1	...	6	10	2	1	3,238 3 6	190 14 0	414 11 7
		Total of district	...	2	1	14	22	6	3	7,920 4 11	589 5 5	1,224 13 7
27	Malabar.	Tellicherry circle	...	...	1	4	3	4	1	1,595 14 1	468 12 0	125 0 0
28		Calicut do.	...	1	...	3	8	4	1	2,723 2 1	365 14 0	131 15 5
29		Palghat do.	...	...	1	4	6	3	1	2,121 13 10	436 8 0	157 6 4
		Total of district	...	1	2	11	17	11	3	6,840 14 0	1,272 2 0	414 6 9

* Three Vaccinators were employed only for three months in the year.
† Information not available.

DEPARTMENT.

in the Madras Presidency during the official year 1891-92.

Total cost.	Paid from					Total.	Number of all successful vaccinations and revaccinations.	Average cost of each successful case.
	Imperial funds.	Provincial funds.	Local funds.	Municipalities.	Native states, zemindars, or private funds.			
14	15	16	17	18	19	20	21	22
RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.		RS. A. P.
2,813 13 4	...	...	2,813 13 4	...	...	2,813 13 4	7,431	0 6 0
2,092 0 7	...	...	2,092 0 7	...	...	2,092 0 7	6,591	0 5 1
4,905 13 11	...	...	4,905 13 11	...	...	4,905 13 11	14,022	0 5 7
5,068 14 4	...	...	5,068 14 4	...	...	5,068 14 4	15,239	0 5 4
1,961 13 1	...	...	1,961 13 1	...	...	1,961 13 1	7,356	0 4 3
7,030 11 5	...	...	7,030 11 5	...	...	7,030 11 5	22,595	0 5 0
4,372 14 10	...	...	4,372 14 10	...	...	4,372 14 10	23,216	0 3 0
3,302 11 4	...	...	3,302 11 4	...	...	3,302 11 4	15,851	0 3 4
7,675 10 2	...	...	7,675 10 2	...	...	7,675 10 2	39,067	0 3 2
2,865 7 9	...	...	2,865 7 9	...	...	2,865 7 9	13,671	0 3 4
2,604 7 1	...	...	2,604 7 1	...	...	2,604 7 1	11,899	0 3 6
3,611 14 0	...	...	3,611 14 0	...	...	3,611 14 0	17,262	0 3 4
9,081 12 10	...	...	9,081 12 10	...	...	9,081 12 10	42,832	0 3 5
4,700 10 5	...	...	4,700 10 5	...	...	4,700 10 5	11,938	0 6 3
4,824 10 8	...	...	4,824 10 8	...	...	4,824 10 8	17,484	0 4 5
3,666 7 7	...	...	3,666 7 7	...	...	3,666 7 7	7,670	0 7 8
13,191 12 8	...	...	13,191 12 8	...	...	13,191 12 8	37,087	0 5 8
3,592 10 1	...	...	3,592 10 1	...	...	3,592 10 1	16,863	0 3 5
2,696 11 0	...	...	2,696 11 0	...	...	2,696 11 0	10,385	0 4 2
2,387 9 2	...	2,387 9 2	...	...	...	2,387 9 2	6,186	0 6 2
8,676 14 3	...	2,387 9 2	6,289 5 1	...	...	8,676 14 3	33,376	0 4 2
3,706 10 8	...	...	3,706 10 8	...	...	3,706 10 8	13,809	0 4 4
2,968 9 4	...	...	2,968 9 4	...	...	2,968 9 4	12,144	0 3 11
†	...	...	...	...	...	...	167	†
4,226 2 1	...	...	4,226 2 1	...	...	4,226 2 1	17,791	0 3 9
731 14 1	...	731 14 1	...	...	...	731 14 1	2,253	0 5 1
11,633 4 2	...	731 14 1	10,901 6 1	...	...	11,633 4 2	46,204	0 4 1
3,835 8 11	...	...	3,835 8 11	...	...	3,835 8 11	16,597	0 3 8
4,294 5 1	...	...	4,294 5 1	...	...	4,294 5 1	17,137	0 3 0
2,616 10 6	...	...	2,616 10 6	...	...	2,616 10 6	10,862	0 3 10
10,746 8 6	...	...	10,746 8 6	...	...	10,746 8 6	44,596	0 3 10
3,760 13 6	...	...	3,760 13 6	...	...	3,760 13 6	15,304	0 3 11
3,578 8 5	...	233 5 2	3,345 3 3	...	...	3,578 8 5	13,294	0 4 3
7,339 5 11	...	233 5 2	7,106 0 9	...	...	7,339 5 11	28,598	0 4 1
3,470 2 5	...	...	3,470 2 5	...	...	3,470 2 5	17,422	0 3 2
2,420 8 5	...	...	2,420 8 5	...	...	2,420 8 5	17,795	0 2 2
3,843 13 1	...	...	3,843 13 1	...	...	3,843 13 1	20,921	0 2 11
9,734 7 11	...	...	9,734 7 11	...	...	9,734 7 11	56,138	0 2 9
2,589 10 1	...	...	2,589 10 1	...	...	2,589 10 1	12,626	0 3 3
3,221 15 6	...	...	3,221 15 6	...	...	3,221 15 6	13,176	0 2 10
2,715 12 2	...	...	2,715 12 2	...	...	2,715 12 2	14,029	0 3 1
8,527 5 9	...	...	8,527 5 9	...	...	8,527 5 9	44,831	0 3 1

† Exclusive of Peddapuram Agency.

A—VACCINE

STATEMENT No. II showing the Cost of the Department in the

Number.	Districts.	Circles.	Establishment.							Expenditure.		
			Inspector of Vaccination and Deputy Sanitary Commissioner.	First-class Inspectors.	Second-class Inspectors.	Vaccinators.	Probationers.	Peons.		Pay of establishment.	Travelling allowance.	Contingencies.
1	2	3	4	5	6	7	8	9	10	11	12	13
										Rs. A. P.	Rs. A. P.	Rs. A. P.
30	Nellore.	Kavali circle ...	...	1	2	6	1	1		1,781 3 5	584 9 0	515 0 11
31		Nellore do. ...	...	1	4	8	1	1		2,300 13 4	818 5 0	402 6 2
32		Ongole do. ...	...	1	4	4	2	1		1,888 5 3	556 2 0	251 1 9
		Total of district ...	...	1	2	9	18	4	3	6,030 6 0	1,959 0 0	1,168 8 10
33	Nalgonda.	Nalgonda ...	...	...	3	...	...	...		879 8 0	281 8 0	...
		Total of district ...	...	...	3	...	...	...		879 8 0	281 8 0	...
34	North Arcot.	Chittoor circle ...	...	1	...	6	6	3	1	2,857 6 2	942 15 3	393 7 7
35		Vellore circle ...	...	...	5	5	2	1		2,538 13 1	1,198 11 3	484 11 9
36		Karvetnagar circle ...	...	1	3	5	1	1		1,798 8 2	559 11 0	330 11 8
		Total of district ...	...	2	1	14	16	6	3	7,219 11 5	2,701 5 6	1,208 15 0
37	Madras.	Madras Presidency ...	...	1	...	...	...	...		11,100 0 0	1,226 4 1	...
		Total of district ...	...	1	...	...	...	...		11,100 0 0	1,226 4 1	...
38	Salem.	Krishnagiri circle ...	...	1	3	6	3	1		1,981 2 3	199 8 6	159 4 0
39		Salem do. ...	...	1	3	12	3	1		2,886 5 3	303 2 3	305 3 1
40		Namakkal do. ...	...	1	3	11	5	1		2,289 11 0	183 1 0	235 1 4
		Total of district ...	...	1	2	9	29	11	3	7,157 2 4	686 3 3	714 8 5
41	South Arcot.	Cuddalore circle ...	...	1	...	6	12	1		3,329 8 4	620 9 0	1,715 9 4
42		Vridhachalam circle ...	...	1	3	9	...	1		2,189 13 0	180 3 0	62 10 4
		Total of district ...	...	1	1	9	21	2		5,519 5 4	800 8 0	1,778 3 8
43	South Canara.	No. I, South Canara circle ...	...	1	...	3	6	5	1	2,706 10 11	295 2 0	86 12 7
44		No. II, do. do. ...	...	1	2	4	5	1		1,743 2 5	229 15 2	96 7 3
		Total of district ...	...	1	1	5	10	10	2	4,455 13 4	525 1 2	183 3 10
45	Tanjore.	Negapatam circle ...	...	1	...	5	9	2	1	2,933 5 1	395 11 0	307 5 0
46		Tanjore do. ...	...	1	...	4	15	2	1	3,497 11 6	360 13 3	588 13 5
		Total of district ...	...	2	...	9	24	4	2	6,330 0 7	755 8 3	896 2 5
47	Tinnevely.	Sattur circle ...	...	1	3	8	1	1		2,169 6 8	245 14 0	288 4 10
48		Shermadevi circle ...	...	1	4	7	3	1		2,434 2 11	202 18 0	247 9 11
49		Tinnevely do. ...	...	1	4	10	2	1		3,078 1 9	389 3 6	408 9 8
		Total of district ...	...	1	2	11	25	6	3	7,681 11 4	937 14 6	944 8 5
50	Tiruchinopoly.	Tiruchinopoly circle ...	...	1	...	7	8	3	1	3,507 6 6	282 13 0	445 13 11
		Total of district ...	...	1	...	7	8	3	1	3,507 6 6	282 13 0	445 13 11
51	Vizagapatam.	Gunapur circle ...	...	1	1	1	1	1		859 6 1	561 2 0	156 7 0
52		Zemindary vaccinators ...	...	...	...	3	...	...		348 5 7	283 12 0	...
		Jeypore circle ...	...	1	2	1	1	1		1,341 10 8	835 3 6	165 5 0
		Zemindary vaccinators ...	...	...	...	5	2	...		472 7 5	220 4 0	...
		Total of Hill tracts ...	...	1	1	3	11	4	2	3,021 13 9	1,000 5 6	321 12 0
53	Vizagapatam.	Vizagapatam circle ...	...	...	1	7	6	3	1	2,535 2 10	162 11 0	351 4 0
		Government vaccinators (Gudem hills) ...	...	...	...	2	...	...		241 9 10	166 11 0	...
54		Vizianagaram circle ...	...	1	...	7	7	3	1	2,968 9 8	228 12 0	436 0 3
		Total of district ...	...	2	2	17	26	10	4	8,797 4 1	2,458 7 5	1,109 0 3
		Grand Total of districts ...	1	33	19	203	366	126	52	1,88,375 13 2	30,299 6 0	19,626 9 3

DEPARTMENT.

Madras Presidency during the official year 1891-92—continued.

Total cost.	Paid from					Total.	Number of all successful vaccinations and revaccinations.	Average cost of each successful case.
	Imperial funds.	Provincial funds.	Local funds.	Municipalities.	Native states, zemindars, or private funds.			
14	15	16	17	18	19	20	21	22
RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.		RS. A. P.
2,880 13 4	...	...	2,880 13 4	...	...	2,880 13 4	9,886	0 4 8
3,581 8 6	...	...	3,581 8 6	...	...	3,581 8 6	13,444	0 4 3
2,695 9 0	...	...	2,695 9 0	...	...	2,695 9 0	17,470	0 3 9
9,157 14 10	...	...	9,157 14 10	...	...	9,157 14 10	34,800	0 4 3
1,161 0 0	...	...	1,161 0 0	...	...	1,161 0 0	2,244	0 8 3
1,161 0 0	...	...	1,161 0 0	...	...	1,161 0 0	2,244	0 8 3
4,193 13 0	...	...	4,193 13 0	...	...	4,193 13 0	17,795	0 3 9
4,252 4 1	...	...	4,252 4 1	...	...	4,252 4 1	17,783	0 3 10
2,683 14 10	...	...	2,683 14 10	...	...	2,683 14 10	11,016	0 3 10
11,129 15 11	...	...	11,129 15 11	...	...	11,129 15 11	46,594	0 3 10
12,326 4 1	...	12,326 4 1	...	...	...	12,326 4 1	...	...
12,326 4 1	...	12,326 4 1	...	...	...	12,326 4 1	...	...
2,339 14 2	...	...	2,339 14 2	...	...	2,339 14 2	15,902	0 2 4
3,489 10 6	...	...	3,489 10 6	...	...	3,489 10 6	20,830	0 2 8
2,728 7 4	...	...	2,728 7 4	...	...	2,728 7 4	21,927	0 2 0
8,558 0 0	...	...	8,558 0 0	...	...	8,558 0 0	58,659	0 2 4
5,665 1 8	...	...	5,665 1 8	...	...	5,665 1 8	30,713	0 2 11
2,432 15 4	...	...	2,432 15 4	...	...	2,432 15 4	15,394	0 2 6
8,098 1 0	...	...	8,098 1 0	...	...	8,098 1 0	46,107	0 2 10
3,088 9 6	...	...	3,088 9 6	...	...	3,088 9 6	20,951	0 2 4
2,075 8 10	...	...	2,075 8 10	...	...	2,075 8 10	13,481	0 2 6
5,164 2 4	...	...	5,164 2 4	...	...	5,164 2 4	34,432	0 2 5
3,541 5 1	...	...	3,541 5 1	...	...	3,541 5 1	18,151	0 3 1
4,456 6 2	...	...	4,456 6 2	...	...	4,456 6 2	19,958	0 3 7
7,997 11 3	...	...	7,997 11 3	...	...	7,997 11 3	38,107	0 3 4
2,803 9 6	...	...	2,803 9 6	...	...	2,803 9 6	19,598	0 2 3
2,884 9 10	...	...	2,884 9 10	...	...	2,884 9 10	24,321	0 1 10
3,875 14 11	...	...	3,875 14 11	...	...	3,875 14 11	22,016	0 2 10
9,564 2 3	...	...	9,564 2 3	...	...	9,564 2 3	66,235	0 2 4
4,236 1 5	...	...	4,236 1 5	...	...	4,236 1 5	32,098	0 2 1
4,236 1 5	...	...	4,236 1 5	...	...	4,236 1 5	32,093	0 2 1
1,576 15 1	...	1,576 15 1	...	...	...	1,576 15 1	1,863	0 13 6
632 1 7	...	...	...	...	632 1 7	632 1 7	2,222	0 4 6
2,342 3 2	...	2,342 3 2	...	...	...	2,342 3 2	3,719	0 10 1
692 11 5	...	...	...	...	692 11 5	692 11 5	4,208	0 2 8
5,243 15 3	...	3,919 2 3	...	...	1,324 13 0	5,243 15 3	12,012	0 7 0
3,079 1 10	...	...	3,079 1 10	...	...	3,079 1 10	21,527	0 2 3
408 4 10	...	408 4 10	...	...	...	408 4 10	737	0 8 2
3,633 5 11	...	...	3,633 5 11	...	...	3,633 5 11	18,976	0 3 1
12,364 11 10	...	4,327 7 1	6,712 7 9	...	1,324 13 0	12,364 11 10	53,312	0 3 9
1,88,301 12 5	...	20,006 7 7	1,66,970 7 10	...	1,324 13 0	1,88,301 12 5	8,21,929	0 3 8

A—VACCINE

STATEMENT No. II showing the Cost of the Department in the

Number.	Municipalities.	Establishment.								Expenditure.		
		Inspector of Vaccination and Deputy Sanitary Commissioner.	Deputy Inspectors.	Deputy Inspectors.	Vaccinators.	First class.	Second class.	Probationers.	Peons.	Pay of establishment.	Travelling allowance.	Contingencies.
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Adoni	...	...	...	...	1	...	...	...	Rs. A. P.	Rs. A. P.	Rs. A. P.
2	Anantapur	...	...	...	...	1	...	...	...	180 0 0	...	85 12 1
3	Anakapalle	...	...	...	...	1	...	...	...	180 0 0	...	27 1 9
4	Bellary	...	...	...	...	1	...	...	...	120 0 0	...	60 5 2
5	Berhampore	...	...	...	...	1	...	...	...	480 12 11	...	220 11 1
6	Bezvada	...	...	...	...	1	...	...	...	269 2 0	...	82 8 2
7	Bimlipatam	...	...	...	...	1	...	...	...	180 0 0	...	79 9 5
8	Calicut	...	...	...	...	1	...	...	...	...	...	37 6 3
9	Cannanore	...	...	...	...	1	...	...	...	640 0 5	...	478 8 10
10	Chicalole	...	...	...	...	1	...	...	...	225 0 0	...	357 10 11
11	Chidambaram	...	...	...	...	1	...	...	...	180 0 0	...	29 0 1
12	Cochin	...	...	...	...	1	...	...	...	180 0 0	...	110 4 2
13	Cocanada	...	...	...	...	1	...	...	...	142 14 5	...	16 5 6
14	Coimbatore	...	...	...	...	1	...	...	...	274 1 4	1 5 6	284 8 11
15	Conjeevaram	...	...	...	...	1	...	...	...	234 4 0	...	34 13 6
16	Coonoor	...	...	...	...	1	...	...	...	248 2 0	...	244 8 0
17	Cuddalore	...	...	...	...	1	...	...	...	216 0 0	2 4 0	22 8 0
18	Cuddapah	...	...	...	...	1	...	...	...	263 0 0	...	223 1 7
19	Dindigul	...	...	...	...	1	...	...	...	180 0 0	17 10 6	200 8 1
20	Ellore	...	...	...	...	1	...	...	...	266 0 0	...	195 6 11
21	Erode	...	...	...	...	1	...	...	...	266 0 0	...	51 6 4
22	Gudiyatam	...	...	...	...	1	...	...	...	180 0 0	12 8 0	5 2 3
23	Guntur	...	...	...	...	1	...	...	...	121 7 2	...	213 0 7
24	Karur	...	...	...	...	1	...	...	...	216 0 0	...	74 11 1
25	Kumbakonam	...	...	...	...	1	...	...	...	108 0 0	12 6 0	1 10 6
26	Kurnool	...	...	...	...	1	...	...	...	357 0 0	...	407 0 0
27	Madras	...	...	...	...	1	...	...	...	172 3 0	...	281 8 0
28	Madura	...	...	...	...	1	...	...	...	6,287 8 4	240 0 0	4,279 1 0
29	Mannargudi	...	...	...	...	1	...	...	...	442 0 6	...	211 13 3
30	Mangalore	...	...	...	...	1	...	...	...	168 0 0	...	175 11 0
31	Masulipatam	...	...	...	...	1	...	...	...	191 4 8	...	96 9 7
32	Mayavaram	...	...	...	...	1	...	...	...	319 0 0	...	269 7 9
33	Nagapattinam	...	...	...	...	1	...	...	...	179 0 0	...	109 6 4
34	Nellore	...	...	...	...	1	...	...	...	346 6 11	...	340 15 3
35	Ongole	...	...	...	...	1	...	...	...	180 0 0	...	308 1 6
36	Ootacamund	...	...	...	...	1	...	...	...	120 0 0	...	49 15 0
37	Palani	...	...	...	...	1	...	...	...	216 0 0	12 4 0	149 4 2
38	Palani	...	...	...	...	1	...	...	...	192 0 0	...	63 14 4
39	Palghat	...	...	...	...	1	...	...	...	269 10 4	...	103 3 6
40	Parakkimedi	...	...	...	...	1	...	...	...	174 10 10	...	67 0 2
41	Periyakulam	...	...	...	...	1	...	...	...	120 0 0	8 3 0	79 11 10
42	Pajani	...	...	...	...	1	...	...	...	120 0 0	2 6 0	1 10 0
43	Rajahmundry	...	...	...	...	1	...	...	...	300 0 0	...	245 15 3
44	Salem	...	...	...	...	1	...	...	...	394 8 0	...	327 14 4
45	Srirangam	...	...	...	...	1	...	...	...	178 0 0	...	14 13 1
46	Tanjore	...	...	...	...	1	...	...	...	230 13 4	...	312 10 7
47	Tellicherry	...	...	...	...	1	...	...	...	419 13 0	...	290 0 8
48	Tinnevely	...	...	...	...	1	...	...	...	235 0 0	...	152 13 1
49	Trichinopoly	...	...	...	...	1	...	...	...	659 0 0	77 14 0	195 14 5
50	Tirupatūr	...	...	...	...	1	...	...	...	145 8 9	...	174 6 7
51	Tirupati	...	...	...	...	1	...	...	...	189 6 0	...	119 7 8
52	Tuticorin	...	...	...	...	1	...	...	...	180 0 0	3 12 0	123 9 0
53	Vaniyambadi	...	...	...	...	1	...	...	...	190 8 0	...	105 5 1
54	Vellore	...	...	...	...	2	...	...	...	354 8 0	...	103 8 2
55	Vizagapatam	...	...	...	...	1	...	...	...	216 0 0	...	116 13 10
56	Vizianagaram	...	...	...	...	1	...	...	...	277 8 0	...	28 4 6
	Wāljāpet	...	...	...	...	1	...	...	...	120 0 0	...	14 6 2
	Total of Municipalities	...	1	4	49	56	20	8	19,353	1 11	390 9 0	12,464 12 10
	Bangalore	...	...	...	...	1	1	...	...	336 0 0	...	9 15 0
	Secunderabad	...	...	...	...	1	3	...	...	48 0 0	...	...
	Total	...	...	...	...	2	4	...	...	884 0 0	...	9 15 0
	Grand Total	...	1	34	23	254	420	146	60	1,58,152	15 1	30,689 15 0

DEPARTMENT.

Madras Presidency during the official year 1891-92—continued.

Total cost.	Paid from—					Total.	Number of all successful vaccinations and revaccinations.	Average cost of each successful case.
	Imperial funds.	Provincial funds.	Local funds.	Municipalities.	Native states, zemindars, or private funds.			
14	15	16	17	18	19	20	21	22
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
265 12 1	...	...	...	265 12 1	...	265 12 1	1,095	0 3 11
207 1 9	...	...	...	207 1 9	...	207 1 9	346	0 9 7
180 5 2	...	...	...	180 5 2	...	180 5 2	914	0 3 2
710 8 0	...	...	...	710 8 0	...	710 8 0	3,345	0 3 5
351 10 2	...	...	...	351 10 2	...	351 10 2	1,040	0 5 3
259 9 5	...	...	...	259 9 5	...	259 9 5	757	0 5 6
217 6 3	...	...	...	217 6 3	...	217 6 3	478	0 7 3
1,018 9 3	...	...	...	1,018 9 3	...	1,018 9 3	3,037	0 5 4
582 10 11	...	...	...	582 10 11	...	582 10 11	1,790	0 5 2
209 0 1	...	...	...	209 0 1	...	209 0 1	389	0 3 7
290 4 2	...	...	...	290 4 2	...	290 4 2	718	0 6 6
159 3 11	...	...	...	159 3 11	...	159 3 11	1,765	0 1 5
559 15 9	...	...	...	559 15 9	...	559 15 9	1,236	0 7 2
269 1 6	...	...	...	269 1 6	...	269 1 6	1,442	0 3 0
492 10 0	...	...	...	492 10 0	...	492 10 0	2,078	0 2 4
240 12 0	...	...	...	240 12 0	...	240 12 0	584	0 6 7
486 1 7	...	...	...	486 1 7	...	486 1 7	1,550	0 5 0
488 2 7	...	...	...	488 2 7	...	488 2 7	693	0 11 3
461 6 11	...	...	...	461 6 11	...	461 6 11	948	0 7 9
317 6 4	...	...	...	317 6 4	...	317 6 4	1,679	0 3 0
197 10 3	...	...	...	197 10 3	...	197 10 3	569	0 5 7
334 7 9	...	...	...	334 7 9	...	334 7 9	639	0 8 4
290 11 1	...	...	...	290 11 1	...	290 11 1	802	0 5 2
122 0 6	...	...	...	122 0 6	...	122 0 6	308	0 6 4
764 0 0	...	...	...	764 0 0	...	764 0 0	1,474	0 8 4
453 11 0	...	...	...	453 11 0	...	453 11 0	714	0 10 2
10,806 9 4	...	...	...	10,806 9 4	...	10,806 9 4	24,307	0 6 7
653 13 9	...	...	...	653 13 9	...	653 13 9	2,211	0 4 8
343 11 0	...	...	...	343 11 0	...	343 11 0	610	0 9 0
227 14 3	...	...	...	227 14 3	...	227 14 3	1,561	0 2 4
587 7 9	...	...	...	587 7 9	...	587 7 9	2,619	0 3 7
279 6 4	...	...	...	279 6 4	...	279 6 4	767	0 5 9
687 6 2	...	...	...	687 6 2	...	687 6 2	1,927	0 5 8
488 1 6	...	...	...	488 1 6	...	488 1 6	1,144	0 6 10
169 15 0	...	...	...	169 15 0	...	169 15 0	653	0 4 2
377 8 2	...	...	...	377 8 2	...	377 8 2	761	0 7 11
252 14 4	...	...	...	252 14 4	...	252 14 4	1,025	0 3 11
372 13 10	...	...	...	372 13 10	...	372 13 10	1,105	0 4 11
231 11 0	...	...	43 10 8	188 0 4	...	231 11 0	1,077	0 2 10
207 14 10	...	...	...	207 14 10	...	207 14 10	652	0 5 1
124 0 0	...	...	...	124 0 0	...	124 0 0	391	0 5 1
545 15 3	...	...	...	545 15 3	...	545 15 3	1,525	0 5 2
722 6 4	...	...	...	722 6 4	...	722 6 4	3,421	0 3 5
192 13 1	...	...	...	192 13 1	...	192 13 1	1,074	0 2 10
543 7 11	...	...	...	543 7 11	...	543 7 11	1,413	0 6 2
709 13 8	...	...	...	709 13 8	...	709 13 8	1,334	0 3 6
387 13 1	...	...	...	387 13 1	...	387 13 1	1,538	0 4 0
932 12 5	...	...	...	932 12 5	...	932 12 5	11,304	0 1 4
319 15 4	...	...	...	319 15 4	...	319 15 4	808	0 6 4
308 13 8	...	...	...	308 13 8	...	308 13 8	454	0 10 11
307 5 0	...	...	...	307 5 0	...	307 5 0	892	0 4 11
304 13 1	...	...	...	304 13 1	...	304 13 1	1,073	0 4 7
458 0 2	...	...	...	458 0 2	...	458 0 2	1,913	0 2 9
332 13 10	...	...	...	332 13 10	...	332 13 10	1,846	0 2 11
305 12 6	...	...	...	305 12 6	...	305 12 6	913	0 5 4
134 6 9	...	...	...	134 6 9	...	134 6 9	258	0 8 5
32,248 7 9	...	...	43 10 8	32,204 13 1	...	32,248 7 9	1,01,845	0 5 1
345 15 0	345 15 0	...	...	...	...	345 15 0	822	0 6 8
48 0 0	28 0 0	...	20 0 0	...	...	48 0 0	2,806	0 0 4
393 15 0	373 15 0	...	20 0 0	...	...	393 15 0	3,218	0 2 0
2,20,944 3 2	373 15 0	20,006 7 7	1,67,034 2 0	32,204 13 1	1,324 13 0	2,20,944 3 2	9,26,992	0 3 10

* Inclusive of the pay and allowances of the Inspector of Vaccination and Deputy Sanitary Commissioner.

B—DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1891-92.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary vaccination.				Revaccination.		Percentage of successful cases.	
					Total.	Successful.			Total.	Successful.	Primary.	Re-vaccination.
						Under 1 year.	Above 1 and under 6 years.	Total of all ages.				
1	2	3	4	5	6	7	8	9	10	11	12	13
Anantapur district.												
Anantapur	...	...	212	...	212	79	123	202	...	...	95.3	...
Dharmavaram	...	...	47	...	47	28	17	45	...	...	95.7	...
Gooty	...	...	53	...	53	9	28	46	...	...	86.8	...
Hindupur	...	...	80	...	80	37	39	76	...	...	95.0	...
Kalyandrug	...	...	63	...	61	16	23	47	2	...	77.0	...
Madakasira	...	...	...	...	...	...	...	...	...	...	...	...
Ponkonda	...	...	115	...	115	90	14	115	...	...	100.0	...
Tadpatri	...	...	73	...	73	26	46	72	...	...	98.6	...
Urayakonda	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	643	...	611	285	290	603	2	...	94.7	...
Bellary district.												
Adoni	...	...	1,101	...	264	166	66	234	837	214	88.6	25.6
Alur	...	...	48	...	48	35	6	41	...	...	85.4	...
Bellary	...	...	...	...	...	...	...	...	...	...	...	...
Do. Branch	...	...	65	...	65	36	22	65	...	...	100.0	...
Brucepettah	...	...	61	...	61	40	21	61	...	...	100.0	...
Hadagally	...	...	61	...	61	51	8	59	...	...	96.7	...
Harpanahalli	...	...	139	...	137	53	73	127	2	2	92.7	100.0
Holagandi	...	...	15	...	15	10	10	10	...	...	66.6	...
Hospet	...	...	49	...	49	21	26	47	...	...	95.9	...
Kampli	...	...	46	...	46	31	13	44	...	...	95.7	...
Kanacal	...	...	35	...	35	7	23	35	...	...	100.0	...
Kudligi	...	...	64	...	64	43	18	61	...	...	95.3	...
Kovtalam	...	...	20	...	20	12	8	20	...	...	100.0	...
Kurugode	...	...	34	...	34	18	11	29	...	...	85.3	...
Kalyandrug	...	...	76	...	76	45	27	73	...	...	96.1	...
Rupenagudy	...	...	12	...	12	2	7	9	...	...	75.0	...
Siruguppa	...	...	84	...	84	43	23	83	...	...	96.8	...
Sandur	...	...	60	...	60	8	40	49	...	...	81.7	...
Yemmiganur	...	...	48	...	47	18	22	44	1	1	93.6	100.0
Total	...	...	2,018	...	1,178	634	439	1,091	840	217	92.6	25.6
Chingleput district.												
Chingleput	...	...	309	...	297	52	150	285	12	10	96.0	83.3
Conjeevaram	...	...	171	...	167	62	87	163	4	2	97.6	50.0
Cheyur	...	...	307	...	307	106	183	306	...	...	99.7	...
Madurantakam	...	...	306	...	306	17	113	290	...	...	94.7	...
Nagalapuram	...	...	313	...	311	149	123	288	2	2	92.6	100.0
Ponnéri	...	...	231	...	227	41	102	174	4	...	78.7	...
Poonamallee	...	...	317	...	304	66	172	292	13	9	96.1	66.2
Saidapet	...	...	322	...	322	2	275	296	...	...	91.9	...
Sathiyavada	...	...	331	...	311	136	118	286	20	16	91.9	80.0
Sembium	...	...	322	...	314	130	127	274	8	1	87.3	12.5
Sripurambudur	...	...	309	...	309	142	72	261	...	...	84.5	...
St. Thomas' Mount	...	...	116	...	106	12	46	72	10	2	67.9	20.0
Tiruporur	...	...	312	...	294	134	104	284	18	18	96.6	100.0
Tiravallur	...	...	316	...	308	197	92	303	8	5	93.4	62.5
Urananur	...	...	314	...	279	95	115	263	35	26	94.3	74.3
Wallaababad	...	...	365	...	365	115	179	318	...	...	87.1	...
Total	...	...	4,661	...	4,527	1,456	2,058	4,155	134	91	91.8	66.4
Coimbatore district.												
Aravakurhi	...	...	20	...	20	3	6	9	...	...	45.0	...
Bhavani	...	...	55	...	55	30	12	45	...	...	81.8	...
Coimbatore	...	...	50	...	43	15	17	34	7	7	79.1	100.0
Do. Branch	...	...	50	...	50	3	9	21	...	...	42.0	...
Dharmapuri	...	...	70	...	76	17	47	66	...	...	86.8	...
Erode	...	...	73	...	73	2	12	69	...	...	94.5	...
Gopichettipalayam	...	...	62	...	62	15	35	55	...	...	88.7	...

* Returns not received.

B—DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1891-92—continued.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary vaccination.				Re-vaccination.		Percentage of successful cases.	
					Total.	Successful.			Total.	Successful.	Primary.	Re-vaccination.
						Under 1 year.	Above 1 and under 6 years.	Total of all ages.				
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
Coimbatore district—cont.												
Karur	...	...	61	...	61	10	38	55	...	...	81.6	...
Kollegal	...	...	100	...	98	40	24	90	2	...	91.8	...
Kongiam	...	...	23	...	28	14	10	24	...	...	85.7	...
Mettonpalaiyam	...	...	22	...	22	...	12	19	...	...	86.4	...
Palladam	...	...	140	...	100	21	30	90	40	28	90.0	70.0
Pellachi	...	...	47	...	41	3	29	27	6	1	63.9	16.7
Satyamangalam	...	...	32	...	32	5	23	31	...	...	96.9	...
Tirupur	...	...	95	...	95	31	47	89	...	...	87.3	...
Udamalpet	...	...	42	...	42	16	18	37	...	...	88.1	...
Vattakernapudur	...	...	67	...	67	4	20	28	...	...	41.6	...
Total	...	...	1,020	...	965	241	332	734	55	26	81.2	65.5
Cuddalore district.												
Badvel	...	...	34	...	34	2	17	27	...	...	79.4	...
Chitvel	...	...	43	...	40	5	13	21	3	...	62.6	...
Cuddalore	...	...	79	...	74	...	...	52	5	1	70.3	20.0
Jammalamadugu	...	...	54	...	54	11	20	31	...	...	57.4	...
Kadiri	...	...	129	...	129	15	57	120	...	...	93.0	...
Madanapalle	...	...	376	...	372	72	241	361	4	...	97.1	...
Pilér	...	...	25	...	25	3	13	21	...	...	84.0	...
Porumamilla	...	...	18	...	18	1	4	10	...	...	56.8	...
Proddatur	...	...	92	...	92	51	17	69	...	...	75.0	...
Pulivendla	...	...	42	...	42	...	...	22	...	...	52.4	...
Rajampet	...	...	36	...	36	4	20	29	...	...	80.6	...
Ravachoti	...	...	54	...	54	...	32	37	...	...	68.5	...
Sidhout	...	...	82	...	82	33	20	29	...	...	35.4	...
Total	...	...	1,064	...	1,052	197	454	829	12	1	78.8	8.3
Ganjam district.												
Aska	...	...	107	...	102	9	37	71	5	3	65.6	60.0
Berhampore	...	...	88	...	88	...	29	39	...	...	69.6	...
Calicutpatam	...	...	186	...	186	...	43	116	...	...	62.4	...
Chicacole	...	...	803	...	640	51	220	327	165	82	50.8	65.2
Ganjam	...	...	48	...	48	3	23	48	...	...	100.0	...
Gopalpur	...	...	39	...	39	3	17	26	...	...	60.7	...
Itchapur	...	...	41	...	41	1	22	40	...	...	97.6	...
Parlakimedi	...	...	77	...	77	13	21	38	...	...	49.3	...
Parushottapur	...	...	...	...	...	...	...	...	...	...	...	...
Sainpet	...	...	73	...	73	24	40	65	...	...	89.0	...
Sarada	...	...	22	...	22	...	6	10	...	...	45.0	...
Tekkall	...	...	70	...	70	...	28	35	...	...	50.0	...
Udayagiri	...	...	6	...	6	...	...	2	...	...	33.3	...
Varanasi	...	...	108	...	108	17	44	66	...	...	61.1	...
Total	...	...	2,263	...	2,008	123	540	914	170	85	49.6	50.0
Godavari district.												
Amalapuram	...	...	78	...	76	3	33	60	2	...	80.3	...
Bhadrachallara	...	...	33	...	30	2	17	23	3	1	83.3	33.3
Bhimavaram	...	...	159	...	159	8	94	146	...	...	91.8	...
Chintalapudi	...	...	182	...	171	6	58	106	11	5	62.0	45.5
Cocoanada	...	...	...	...	...	...	...	...	...	...	...	...
Dowlaisheram	...	...	34	...	32	5	11	17	2	2	53.1	100.0
Ellore	...	...	125	...	124	19	67	122	1	1	98.4	100.0
Gokaram	...	...	171	...	153	32	60	108	13	13	63.4	100.0
Kothapeta	...	...	36	...	36	1	12	24	...	...	65.7	...
Mandapeta	...	...	36	...	35	3	22	30	1	...	85.7	...
Narsapur	...	...	146	...	146	...	15	84	...	...	57.5	...
Pithapuram	...	...	115	...	115	5	82	112	...	...	97.4	...

* Returns not received.

B—DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1891-92—continued.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary vaccination.				Re-vaccination.		Percentage of successful cases.	
					Total.	Successful.			Total.	Successful.	Primary.	Re-vaccination.
						Under 1 year.	Above 1 and under 6 years.	Total of all ages.				
1	2	3	4	5	6	7	8	9	10	11	12	13
Godavari district—cont.												
Peddāpuram ...	...	...	101	...	101	3	74	93	...	...	92.1	...
Polavaram ...	...	...	50	...	41	...	10	13	9	9	31.7	100.0
Rajahmundry ...	...	...	67	...	57	8	38	57	10	4	100.0	40.0
Rāmachendrapuram ...	...	...	164	...	135	7	64	90	29	29	63.7	100.0
Sivakodu ...	...	...	110	...	110	...	43	94	...	...	85.5	...
Tāllapudi ...	...	...	70	...	67	4	36	49	3	2	73.1	66.7
Tānuku ...	...	...	219	...	210	28	106	167	9	9	79.6	100.0
Tāni ...	...	...	78	...	78	...	33	54	...	...	69.2	...
Yeleswaram ...	...	...	106	...	104	3	38	69	2	...	66.3	...
Total ...	...	...	2,080	...	1,985	137	912	1,523	95	75	76.7	78.9
Kistna district.												
Bāpātla ...	...	...	...	...	...	...	...	...	...	...	...	...
Bezāda ...	...	...	...	...	...	...	...	...	...	...	...	...
Chiralla ...	...	...	140	...	140	3	45	121	...	...	86.4	...
Chāllapāllo ...	...	...	70	...	70	1	16	33	...	...	47.1	...
Dāchepāllo ...	...	...	68	...	66	16	29	60	2	...	90.9	...
Duggirāla ...	...	...	70	...	70	3	66	69	...	...	98.6	...
Gudirāda ...	...	...	75	...	73	3	27	36	3	...	49.3	...
Guntūr ...	...	...	51	...	33	4	15	32	18	12	97.0	66.7
Jaggayapet ...	...	...	13	...	12	...	9	9	...	...	75.0	...
Karempoody ...	...	...	81	...	81	15	27	50	...	...	61.7	...
Masulipatam ...	...	...	122	...	122	...	9	104	...	...	85.2	...
Do. Branch dispensary ...	...	...	45	...	45	7	23	45	...	...	100.0	...
Nandigama ...	...	...	38	...	38	3	14	27	...	...	71.0	...
Narsaraopet ...	...	...	111	...	111	11	37	64	...	...	57.7	...
Nūzvid ...	...	...	...	...	...	...	...	...	...	...	...	...
Rēpāllo ...	...	...	8	...	8	1	5	7	...	...	87.5	...
Sattenapāllo ...	...	...	36	...	34	9	20	32	2	...	94.1	...
Sectanāgarum ...	...	...	28	...	28	...	12	21	...	...	25.0	...
Tenali ...	...	...	8	...	8	...	5	8	...	...	100.0	...
Tiruvūr ...	...	...	...	...	...	...	...	...	...	...	...	...
Tumērode ...	...	...	...	...	...	...	...	...	...	...	...	...
Vinukonda ...	...	...	80	...	76	7	37	67	4	3	83.2	75.0
Total ...	...	...	1,044	...	1,015	86	396	785	29	15	77.3	51.7
Karnool district.												
Atmakūr ...	...	...	45	...	45	5	13	35	...	...	77.8	...
Chagalmurri ...	...	...	148	...	47	18	10	45	101	75	95.7	74.2
Cumbum ...	...	...	50	...	42	5	18	37	8	1	74.3	12.5
Dhone ...	...	...	...	...	...	...	...	...	...	...	...	...
Kalva ...	...	...	30	...	30	...	15	25	...	...	83.3	...
Kodamur ...	...	...	49	...	35	5	17	23	14	9	65.7	64.3
Koilkuntla ...	...	...	85	...	36	2	8	35	49	49	97.2	100.0
Karnool ...	...	...	31	...	25	6	12	21	6	4	84.0	66.7
Mārkipur ...	...	...	117	...	92	34	35	81	25	25	88.0	100.0
Mundlapaud ...	...	...	17	...	17	1	7	13	...	...	50.6	...
Madikera ...	...	...	66	...	60	13	21	49	6	...	81.7	...
Nandyal ...	...	...	71	...	36	5	5	21	35	35	58.3	100.0
Nandikotkur ...	...	...	...	...	...	...	...	...	...	...	...	...
Owk ...	...	...	118	...	118	18	56	101	...	...	85.6	...
Pattikonda ...	...	...	54	...	20	1	1	18	34	24	90.0	70.6
Sirvel ...	...	...	188	...	180	5	107	150	8	8	83.3	100.0
Velgode ...	...	...	25	...	17	2	6	11	8	8	64.7	100.0
Yernagoodapallam ...	...	...	55	...	45	4	33	37	10	10	82.2	100.0
Total ...	...	...	1,149	...	845	124	364	701	304	248	83.0	81.6

Returns not received.

B—DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1891-92—continued.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary Vaccination.				Re-vaccination.		Percentage of successful cases.	
					Total.	Successful.			Total.	Successful.	Primary.	Re-vaccination.
						Under 1 year.	Above 1 and under 6 years.	Total of all ages.				
1	2	3	4	5	6	7	8	9	10	11	12	13
Madras town.												
Black Town, North Side ...	...	...	...	...	...	...	...	...	...	...	...	...
Hospital for Women & Children, Madras ...	...	...	...	...	...	...	...	...	...	...	...	...
Native Infirmary ...	...	...	...	...	...	...	...	...	...	...	...	...
Trichipalams dispensary.	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	...	...	...	...	...	...	...	...	...	...	...	...
Madura district.												
Andipati ...	...	...	29	...	23	2	11	13	4	...	52.0	...
Arupacotta ...	...	...	174	...	172	19	75	147	2	1	85.5	50.0
Bodinaickanur ...	...	...	169	...	139	4	36	46	30	30	33.1	100.0
Budlagundoo ...	...	...	246	...	236	70	109	189	10	8	80.1	80.0
Devakōṣṭa ...	...	...	235	...	234	42	129	223	1	1	80.1	95.3
Dindigul ...	...	...	62	...	61	11	20	32	1	1	52.5	100.0
Kannuthi ...	...	...	118	...	108	3	64	76	5	5	70.4	100.0
Kandakudi ...	...	...	178	...	164	30	77	131	14	8	79.9	57.1
Kilakarai ...	...	...	96	...	96	24	50	84	...	...	87.5	...
Kodakōṣṭal ...	...	...	91	...	45	10	25	44	46	16	97.8	84.8
Konnivadi ...	...	...	153	...	151	22	73	112	2	2	74.2	100.0
Idayangudi ...	...	...	91	...	87	48	35	84	4	...	95.6	...
Madura ...	...	...	148	...	129	26	53	104	19	12	80.6	63.1
Mana Madura ...	...	...	73	...	71	17	40	68	2	1	93.7	50.0
Melūr ...	...	...	178	...	166	35	92	129	12	10	77.7	83.3
Mutakulattūr ...	...	...	90	...	93	23	43	75	6	2	80.6	33.3
Nellakottai ...	...	...	104	...	104	47	35	87	...	...	83.6	...
Nuthum ...	...	...	146	...	146	22	62	100	...	...	68.6	...
Paiṇi ...	...	...	16	...	16	...	16	18	...	...	100.0	...
Pāmban ...	...	...	191	...	185	23	47	112	6	...	62.7	...
Paramakudi ...	...	...	145	...	145	70	39	112	...	...	77.2	...
Periyakulav ...	...	...	102	...	94	24	50	82	8	1	87.2	12.5
Periyūr ...	...	...	24	...	24	...	...	...	...	...	...	...
Rajasimamangalam ...	...	...	23	...	22	...	9	16	6	1	72.7	16.7
Rāmasvaram ...	...	...	263	...	263	82	52	218	...	...	81.0	...
Rerand ...	...	...	106	...	105	28	41	79	1	1	75.2	100.0
Sāptūr ...	...	...	123	...	124	30	51	85	4	4	68.5	100.0
Sholavandan ...	...	...	180	...	129	7	44	58	9	1	41.4	12.5
Sivaganga ...	...	...	168	...	166	45	100	155	2	1	93.4	50.0
Thāndikudi ...	...	...	...	...	...	...	...	...	...	...	...	...
Thokkadi ...	...	...	6	...	6	...	...	...	...	...	...	...
Tirumangalam ...	...	...	172	...	163	70	66	146	9	6	89.5	66.7
Tirupatūr ...	...	...	248	...	190	43	87	144	53	42	75.8	72.4
Tirupuvanam ...	...	...	273	...	248	39	147	191	25	17	77.0	68.0
Tirushuli ...	...	...	82	...	79	15	43	76	3	...	96.2	83.3
Tiruvadanai ...	...	...	88	...	38	5	20	28	50	35	78.7	70.0
Udampatty ...	...	...	232	...	232	73	90	185	...	...	79.7	...
Uttamapoliem ...	...	...	51	...	47	15	24	44	4	4	93.6	100.0
Vāṭṭanadi ...	...	...	153	...	101	16	40	67	52	16	68.3	39.3
Vedasudūr ...	...	...	115	...	115	6	96	108	...	...	93.0	...
Virupakshi ...	...	...	100	...	81	22	18	47	19	10	63.0	62.6
Total ...	...	...	5,212	...	4,799	1,053	2,119	3,702	413	237	77.1	57.4
Malabar district.												
Alatre ...	...	...	20	...	20	...	...	14	...	...	70.0	...
Angadipuram ...	...	...	29	...	29	...	6	19	...	...	65.5	...
Badagara ...	...	...	26	...	26	1	10	25	...	...	98.1	...
Calicut ...	...	...	35	...	29	2	5	23	6	...	79.3	...
Cannanore ...	...	...	46	...	45	11	6	40	1	1	88.9	100.0
Chowghat ...	...	...	70	...	70	...	6	20	...	...	28.6	...
Cochin ...	...	...	193	...	170	14	80	152	23	18	89.4	78.3

B—DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1891-92—continued.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary vaccination.				Re-vaccination.		Percentage of successful cases.	
					Total.	Successful.			Total.	Successful.	Primary.	Re-vaccination.
						Under 1 year.	Above 1 and under 6 years.	Total of all ages.				
1	2	3	4	5	6	7	8	9	10	11	12	13
Malabar district—cont.												
Kuthuparamba	...	...	105	...	105	2	29	33	...	...	50.5	...
Kolangod	...	...	68	...	68	3	31	32	...	...	76.5	...
Manantoddy	...	...	88	...	84	9	43	64	4	2	76.2	50.0
Manjeri	...	...	75	...	71	1	11	70	4	2	98.6	75.0
Mineoy	...	...	...	...	...	...	...	...	...	...	...	...
Nilambur	...	...	57	...	57	1	3	8	...	...	14.0	...
Palghat	...	...	31	...	31	2	12	21	...	...	67.7	...
Palloor	...	...	33	...	33	...	...	31	...	...	99.9	...
Palloor Lazareth	...	...	105	...	105	82	32	81	...	...	77.1	...
Ponnani	...	...	91	...	91	5	14	63	...	...	69.2	...
Quilandi	...	...	41	...	41	1	17	39	...	...	95.1	...
Sultan's Battery	...	...	122	...	122	1	8	122	...	...	100.0	...
Taliparamba	...	...	124	...	124	6	29	95	...	...	76.8	...
Tamarasseri	...	...	...	...	...	...	...	...	...	...	...	...
Tellicherry	...	...	57	...	53	3	18	59	4	3	100.0	75.0
Vaniyankulam	...	...	27	...	27	7	12	19	...	...	70.4	...
Vayalar	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	1,443	...	1,401	103	372	1,064	42	27	75.9	64.3
Nellore district.												
Addanki	...	...	725	...	720	65	381	671	5	5	93.2	100.0
Allur	...	...	197	...	193	20	118	187	4	2	96.9	50.0
Atmakur	...	...	63	...	63	2	32	35	...	...	55.6	...
Boochireddipattam	...	...	90	...	90	13	60	86	...	...	95.5	...
Darsi	...	...	72	...	72	6	42	59	...	...	81.9	...
Gaddur	...	...	122	...	120	11	76	98	2	...	81.7	...
Kandukur	...	...	214	...	214	54	83	159	...	...	74.3	...
Kalavayi	...	...	63	...	63	8	43	56	...	...	88.9	...
Kalligiri	...	...	...	...	...	...	...	...	...	...	...	...
Kannigiri	...	...	332	...	331	12	208	294	1	1	88.8	100.0
Kavali	...	...	40	...	40	3	24	36	...	...	90.0	...
Kistnapatam	...	...	82	...	82	1	19	26	...	...	81.2	...
Kota	...	...	6	...	6	...	...	...	1	...	...	...
Kottapatam	...	...	37	...	37	10	16	36	...	...	97.3	...
Naidupet	...	...	543	...	543	63	365	536	...	...	98.7	...
Nellore	...	...	41	...	37	12	17	37	4	4	100.0	100.0
Do. Branch	...	...	11	...	11	4	6	11	...	...	100.0	...
Ongole	...	...	121	...	98	1	58	91	23	15	92.9	65.2
Pannoor	...	...	122	...	122	8	78	120	...	...	99.2	...
Podili	...	...	76	...	76	13	40	65	...	...	85.5	...
Rapur	...	...	147	...	147	12	91	120	...	...	81.6	...
Singaroyakonda	...	...	38	...	37	3	25	37	1	...	100.0	...
Striharikot	...	...	21	...	21	3	15	18	...	...	85.7	...
Sullurpet	...	...	280	...	277	24	192	247	3	3	89.2	100.0
Udayagiri	...	...	105	...	105	25	49	86	...	...	81.9	...
Venkatagiri	...	...	62	...	61	19	18	79	1	...	97.5	...
Total	...	...	3,580	...	3,535	381	2,056	3,190	45	30	90.2	66.7
Nilgiri district.												
Devála	...	...	36	...	30	1	7	20	6	6	66.7	100.0
Gudalur	...	...	46	...	42	...	3	35	4	2	83.3	50.0
Loveale	...	...	338	...	15	...	14	15	323	276	100.0	85.4
Ootacamund	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	420	...	87	1	24	70	333	284	80.4	85.3

* Returns not received.

B—DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1891-92—continued.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary vaccination.				Re-vaccination.		Percentage of successful cases.	
					Total.	Successful.			Total.	Successful.	Primary.	Re-vaccination.
						Under 1 year.	Above 1 and under 6 years.	Total of all ages.				
1	2	3	4	5	6	7	8	9	10	11	12	13
North Arcot district.												
Ambur	...	...	196	...	196	68	85	159	...	...	81.1	...
Arcoot	...	...	177	...	177	21	92	176	...	...	99.4	...
Arni	...	...	266	...	261	50	151	245	5	1	93.2	20.0
Arkonam	...	...	155	...	153	31	113	155	...	...	100.0	...
Chittoor	...	...	105	...	103	25	50	103	2	2	100.0	100.0
Gudiyatam	...	...	49	...	49	4	28	37	...	...	75.6	...
Kalahasti	...	...	135	...	131	21	74	121	4	...	92.3	...
Kuppam	...	...	65	...	65	31	32	65	...	...	100.0	...
Pollur	...	...	97	...	97	1	62	94	...	...	96.9	...
Palmaner	...	...	346	...	271	63	128	236	75	50	87.1	66.7
Punganur	...	...	124	...	112	29	59	111	12	8	98.2	66.7
Puttur	...	...	137	...	137	17	100	185	...	...	98.5	...
Ranipet	...	...	177	...	173	7	118	153	4	4	88.4	100.0
Sholinghur	...	...	278	...	274	60	119	193	4	3	70.5	75.0
Tirupati	...	...	197	...	191	44	99	190	6	4	99.5	66.7
Tiruvattur	...	...	126	...	119	1	63	89	7	4	74.8	57.1
Vellore	...	...	234	...	234	115	41	193	...	...	82.5	...
Venkatagiri	...	...	52	...	51	26	20	47	1	...	92.2	...
Walaipet	...	...	46	...	31	6	21	27	15	10	87.1	66.7
Wandiwash	...	...	127	...	118	8	60	112	9	4	94.9	44.4
Total	...	...	3,089	...	2,945	628	1,526	2,641	144	90	89.7	61.1
Salem district.												
Atur	...	...	159	...	159	79	66	157	...	...	98.7	...
Alangayam	...	...	117	...	98	18	55	82	19	19	83.7	100.0
Dhaukankottah	...	...	70	...	70	...	57	59	...	...	84.3	...
Dharanpuri	...	...	147	...	147	18	103	133	...	...	90.5	...
Harur	...	...	131	...	131	11	74	90	...	...	76.3	...
Hosur	...	...	129	...	126	67	27	96	3	1	76.2	33.3
Krishnagiri	...	...	135	...	135	17	78	105	...	...	77.8	...
Namakkal	...	...	120	...	109	11	46	83	11	8	70.1	72.7
Omair	...	...	68	...	68	23	38	66	...	...	97.1	...
Palakad	...	...	76	...	76	6	60	69	...	...	90.8	...
Pennaguram	...	...	177	...	175	46	94	158	2	2	90.3	100.0
Razipet	...	...	208	...	208	50	104	168	...	...	80.8	...
Royacota	...	...	80	...	80	4	23	80	...	...	100.0	...
Salem	...	...	46	...	46	19	22	45	...	...	97.8	...
Sankaridrug	...	...	41	...	41	8	22	38	...	...	92.7	...
Sendamangalam	...	...	91	...	91	12	32	60	...	...	65.9	...
Thalli	...	...	51	...	49	18	15	33	2	2	67.4	100.0
Thamamputti	...	...	97	...	97	21	49	91	...	...	93.8	...
Tiruchengod	...	...	93	...	93	8	52	82	...	...	88.2	...
Tirupattur	...	...	126	...	123	25	78	117	3	2	95.1	66.7
Uttankarai	...	...	87	...	85	23	34	75	2	2	88.2	100.0
Vaniyambadi	...	...	203	...	202	77	100	188	1	...	93.1	...
Yercaud	...	...	64	...	64	5	31	45	...	...	70.3	...
Total	...	...	2,466	...	2,423	566	1,260	2,079	43	36	85.8	83.7
South Arcot district.												
Chengam	...	...	37	...	30	3	18	24	7	4	80.0	57.1
Chidambaram	...	...	105	...	103	32	54	96	2	2	93.2	100.0
Gingee	...	...	120	...	120	25	73	105	...	...	87.5	...
Kallakurichi	...	...	86	...	85	11	55	83	1	1	97.6	100.0
Kurinjipadi	...	...	135	...	135	23	79	120	...	...	88.9	...
Mannargudi	...	...	115	...	72	6	25	39	43	3	54.2	7.0
Markanum	...	...	177	...	174	43	96	153	3	3	87.9	100.0

B—DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1891-92—continued.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary vaccination.				Re-vaccination.		Percentage of successful cases.	
					Total.	Successful.			Total.	Successful.	Primary.	Re-vaccination.
						Under 1 year.	Above 1 and under 6 years.	Total of all ages.				
1	2	3	4	5	6	7	8	9	10	11	12	13
South Arcot district—cont.												
Nellikuppam	...	...	177	...	176	23	100	140	1	1	73.5	100.0
New Town, Cuddalore.	...	...	50	...	43	4	29	36	7	3	83.7	42.9
Old Town, do.	...	...	21	...	21	1	14	15	...	...	71.4	...
Panruti	...	...	80	...	80	20	31	58	...	...	72.5	...
Porto Novo	...	...	116	...	116	29	60	95	...	...	81.9	...
Sankarapuram	...	...	7	...	7	...	3	5	...	...	55.7	...
Srinivasnam	...	...	168	...	168	57	74	141	...	...	83.9	...
Tandivanam	...	...	23	...	23	2	19	23	...	...	100.0	...
Tirukolūr	...	...	66	...	66	21	34	66	...	...	100.0	...
Tirupattur	...	...	42	...	41	12	22	38	1	1	92.7	100.0
Tiruvannamalai	...	...	95	...	93	31	40	77	2	...	82.8	...
Tiragudi	...	...	85	...	79	25	37	65	6	2	82.3	33.3
Ulundurpet	...	...	70	...	70	9	32	48	...	...	68.6	...
Vanoor	...	...	121	...	121	16	66	104	...	...	86.9	...
Villupuram	...	...	94	...	93	30	23	62	1	...	68.7	...
Vriddhachalam	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	1,590	...	1,516	423	984	1,594	74	20	83.2	27.0
South Canara district.												
Bantwal	...	...	39	...	39	5	14	26	...	...	66.6	...
Belangudy	...	...	41	...	35	3	21	33	6	6	94.3	100.0
Gollithattu	...	...	12	...	12	...	7	9	...	...	75.0	...
Hotri	...	...	24	...	20	...	4	10	4	...	20.0	...
Jalsur	...	...	20	...	18	...	7	15	2	...	83.3	...
Karkal	...	...	46	...	46	2	17	27	...	...	58.7	...
Kasaragudi	...	...	46	...	46	3	16	24	...	...	52.2	...
Kollur	...	...	10	...	16	1	3	15	3	2	69.7	66.7
Kundapur	...	...	15	...	15	...	2	4	...	...	26.7	...
Mangalore	...	...	58	...	58	11	33	58	...	...	100.0	...
Mooki	...	...	39	...	39	...	24	38	...	...	81.6	...
Mudbedri	...	...	25	...	25	2	9	25	...	...	100.0	...
Puttur	...	...	156	...	111	9	37	94	45	33	84.7	54.4
Shenkamaram	...	...	13	...	11	...	1	7	2	...	63.6	...
Udipi	...	...	105	...	99	15	61	94	6	6	94.9	100.0
Total	...	...	658	...	590	51	256	474	68	52	80.3	76.5
Tanjore district.												
Amrāpet	...	...	125	...	122	20	62	101	3	...	82.8	...
Arantangi	...	...	222	...	219	6	148	203	3	3	93.6	100.0
Adirampatam	...	...	162	...	152	12	44	87	10	4	57.2	40.0
Avadiarkoil	...	...	192	...	189	4	143	161	3	1	85.2	33.3
Ayyampett	...	...	300	...	300	24	115	253	...	...	84.3	...
Karanthattangudi	...	...	206	...	97	1	22	96	109	30	93.0	27.5
Kodavassal	...	...	246	...	243	47	138	225	3	3	92.6	100.0
Kambakonam	...	...	112	...	112	11	65	87	...	...	77.7	...
Do. Branch.	...	...	103	...	103	10	68	87	...	...	84.5	...
Kuttanallur	...	...	229	...	229	9	160	192	...	...	83.8	...
Manariaukudi	...	...	142	...	142	12	68	98	...	...	69.0	...
Manamboochavidi	...	...	205	...	76	4	21	66	129	79	86.8	61.2
Mannargudi	...	...	199	...	159	16	115	150	40	25	94.3	62.5
Madukur	...	...	234	...	212	43	116	191	22	22	96.1	100.0
Māvayaram Webster Hospital.	...	...	206	...	101	18	44	101	105	98	100.0	93.3
Mipassal	...	...	128	...	82	9	50	74	46	36	90.2	78.3
Matupet	...	...	233	...	225	29	109	177	8	6	78.7	75.0
Nagore Branch	...	...	194	...	194	35	97	145	...	...	74.7	...
Nannilam	...	...	271	...	267	35	185	263	4	2	98.5	50.0
Negapatam	...	...	140	...	110	32	20	77	30	9	70.0	39.0

* Return not received.

B—DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1891-92—continued.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary vaccination.				Re-vaccination.		Percentage of successful cases.	
					Total.	Successful.			Total.	Successful.	Primary.	Re-vaccination.
						Under 1 year.	Above 1 and under 6 years.	Total of all ages.				
1	2	3	4	5	6	7	8	9	10	11	12	13
Tanjore district—cont.												
Ortha and Chuttrum..	..	..	89	..	89	2	33	69	..	..	77.5	..
Pāpanisam	..	..	205	..	205	13	87	153	..	..	74.6	..
Pudukōta	..	..	250	..	224	5	90	131	26	11	58.5	42.3
Rajah Mirassidar Hospital.	..	..	45	..	45	4	30	44	..	..	97.3	..
Shiyāli	..	..	244	..	207	4	116	201	37	23	97.1	75.6
Tirukattupalli	..	..	180	..	172	17	100	153	8	..	88.9	..
Tiruturai pāndi	..	..	307	..	307	4	161	222	..	..	72.3	..
Tiruvadamardūr	..	..	236	..	213	19	135	189	23	23	88.7	100.0
Tiruvādi	..	..	194	..	185	13	97	141	9	2	76.2	22.2
Tiruvātur	..	..	291	..	276	66	145	260	16	10	94.2	66.7
Tranquebar	..	..	169	..	169	16	55	81	..	..	47.9	..
Do. Branch	..	..	..	..	..	..	..	..	..	..	..	..
Vadarniē	..	..	265	..	262	39	148	247	3	..	94.3	..
Valangynan	..	..	180	..	145	8	45	95	5	5	65.5	100.0
Vallam	..	..	111	..	108	1	47	64	3	2	55.2	66.7
Velangulam	..	..	145	..	145	1	71	116	..	..	80.6	..
Total	..	..	6,730	..	6,086	587	3,150	5,002	644	399	82.2	62.0
Tinnevely district.												
Ambāsamudram	..	..	107	..	107	7	50	103	..	..	96.3	..
Christianagaram	..	..	16	..	16	1	12	14	..	..	87.5	..
Edyengoody	..	..	50	..	50	..	34	26	..	..	81.2	..
Megnāvapūram	..	..	..	..	..	..	..	..	..	..	..	..
Nāgālapūram	..	..	5	..	5	..	2	5	..	..	100.0	..
Nāngunēri	..	..	44	..	44	16	21	43	..	..	97.7	..
Nazareth	..	..	46	..	40	3	8	29	6	4	72.5	66.7
Otapidāram	..	..	5	..	5	..	..	5	..	..	100.0	..
Palamcottah	..	..	101	..	57	2	16	53	44	17	93.0	33.6
Rādāpūram	..	..	136	..	136	8	65	109	..	..	80.1	..
Sankaranainārkoil	..	..	64	..	64	3	34	59	..	..	92.2	..
Sātūr	..	..	93	..	93	3	16	79	..	..	84.9	..
Sawycorpūram	..	..	178	..	161	9	133	156	17	16	96.9	94.1
Shermādevi	..	..	14	..	14	1	4	8	..	..	57.1	..
Sivakāsi	..	..	14	..	14	5	4	12	..	..	85.7	..
Srivaikuntham	..	..	142	..	141	11	69	131	1	1	82.9	100.0
Srivilliputur	..	..	123	..	123	8	99	122	..	..	99.2	..
Tenkāsi	..	..	104	..	104	5	29	81	..	..	77.9	..
Tinnevely	..	..	69	..	66	3	5	50	3	..	75.8	..
Tirukāngudy	..	..	80	..	68	12	49	65	12	6	95.6	50.0
Trichendūr	..	..	37	..	37	1	26	34	..	..	91.9	..
Tuticorin	..	..	87	..	83	1	32	78	4	2	94.0	50.0
Virākeralampudūr	..	..	30	..	30	3	18	29	..	..	96.7	..
Virūgavapuram	..	..	49	..	49	2	34	48	..	..	98.0	..
Virūdipati	..	..	85	..	85	32	30	66	..	..	77.6	..
Total	..	..	1,679	..	1,592	136	796	1,425	87	46	89.5	52.9
Trichinopoly district.												
Arayalūr	..	..	96	..	88	11	55	81	8	8	92.0	100.0
Erungalore	..	..	86	..	72	13	41	64	14	4	75.0	28.6
Ilupur	..	..	81	..	59	4	31	51	22	10	86.4	45.4
Kulitalai	..	..	64	..	59	4	54	58	5	5	93.3	100.0
Lālgedy	..	..	113	..	113	..	110	110	..	..	97.3	..
Munaparai	..	..	54	..	54	4	50	54	..	..	100.0	..
Mosiri	..	..	33	..	33	3	28	32	..	..	97.0	..
Perambalur	..	..	172	..	116	3	38	76	66	21	63.5	37.5
Srirangam	..	..	95	..	95	42	45	92	..	..	46.8	..

* Return not received.

B-DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1891-92—continued.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary vaccination.				Re-vaccination.		Percentage of successful cases.	
					Total.	Successful.			Total.	Successful.	Primary.	Re-vaccination.
						Under 1 year.	Above 1 and under 6 years.	Total of all ages.				
I	2	3	4	5	6	7	8	9	10	11	12	13
Trichinopoly district—cont.												
Trichinopoly ...	...	...	130	...	130	9	48	130	...	...	100.0	...
Do. Leper Hospital ...	...	...	31	...	31	2	21	31	...	...	100.0	...
Turayur ...	...	...	178	...	178	6	160	166	...	...	93.3	...
Tuvankurichi ...	...	...	83	...	83	3	76	79	...	...	95.2	...
Udayarpalayam ...	...	...	60	...	60	5	55	60	...	...	100.0	...
Wore Jubbilee Dispensary ...	...	...	116	...	116	10	78	114	...	...	98.3	...
Total ...	...	...	1,332	...	1,287	119	893	1,183	105	48	92.3	95.7
Visagapatam district.												
Anakapalle ...	...	...	82	...	73	4	57	78	9	6	100.0	65.7
Bimlipatam ...	...	...	34	...	16	6	7	16	18	18	100.0	100.0
Bisincottah ...	...	...	72	...	72	3	38	65	...	...	90.3	...
Bobbili ...	...	...	241	...	231	9	80	152	10	2	65.3	20.0
Chidambaram ...	...	...	32	...	32	...	5	25	...	...	73.1	...
Chidambaram ...	...	...	442	...	442	50	318	439	...	...	99.3	...
Gajapatinagaram ...	...	...	120	...	106	33	45	87	14	2	82.1	14.3
Gunapur ...	...	...	41	...	41	...	24	41	...	...	100.0	...
Jami ...	...	...	131	...	131	5	60	90	...	...	68.7	...
Joypore ...	...	...	27	...	27	1	2	20	...	...	74.1	...
Nakapalli ...	...	...	12	...	12	...	5	10	...	...	83.3	...
Naraspatnam ...	...	...	113	...	110	58	41	108	3	3	98.2	100.0
Nowrangapur ...	...	...	51	...	51	7	30	43	...	...	84.3	...
Palkonda ...	...	...	163	...	119	25	60	111	50	50	93.3	100.0
Pandur ...	...	...	102	...	91	...	41	88	11	4	96.7	35.4
Pattatipar ...	...	...	221	...	213	57	95	186	8	7	87.3	5.8
Pottanghy ...	...	...	36	...	36	...	14	25	...	...	89.4	...
Razagada ...	...	...	29	...	29	...	13	24	...	...	82.6	...
Razam ...	...	...	45	...	45	2	10	40	...	...	85.9	...
Sailur ...	...	...	387	...	357	293	83	387	...	...	100.0	...
Strangurapukotte ...	...	...	165	...	119	21	49	112	46	30	94.1	65.2
Waltair ...	...	...	7	...	3	1	2	3	4	2	100.0	50.0
Yellamanchilli ...	...	...	187	...	178	26	89	145	9	6	100.0	96.7
Total ...	...	...	2,745	...	2,564	601	1,173	2,290	162	130	89.3	71.4
Grand Total ...	...	...	47,352	...	43,531	7,936	20,444	36,104	3,821	2,167	82.9	66.7

COMPARATIVE STATEMENT No. IV showing the number of persons primarily vaccinated and the number of those persons who were successfully vaccinated in the Madras Presidency in each of the undermentioned years.

Establishment.	Persons primarily vaccinated.											
	1881.			1882.			1883.			1884.		
	Total number.	Number successful.	Number fully vaccinated.	Total number.	Number successful.	Number fully vaccinated.	Total number.	Number successful.	Number fully vaccinated.	Total number.	Number successful.	Number fully vaccinated.
Govt. vaccinators	10,194	9,603	9,741	9,136	8,741	8,741	16,887	16,319	16,319	12,386	12,055	12,055
Local fund do.	470,805	435,696	433,415	493,329	493,415	493,415	591,352	533,890	533,890	617,475	550,624	550,624
Cantonment do.	5,218	4,941	3,207	3,446	3,207	3,207	3,734	3,461	3,461	3,434	3,159	3,159
Native States do.	3,655	3,286	3,652	3,838	3,652	3,652	4,761	4,436	4,436	4,506	4,201	4,201
Municipalities	80,256	70,980	75,050	83,533	75,050	75,050	91,605	84,452	84,452	97,765	88,231	88,231
Private vaccinators	137	117	45	45	43	43	...	...	...	...	...	...
Dispensaries	9,890	8,168	8,371	10,154	8,371	8,371	12,579	10,185	10,185	21,561	17,201	17,201
Medical subordinates	9,646	5,742	10,049	7,015	7,015	7,015	9,633	6,271	6,271	8,936	5,280	5,280
Army { European ...	1,916	1,382	1,387	1,987	1,387	1,387	1,940	1,158	1,158	2,840	1,737	1,737
Army { Native ...	4,372	3,098	3,371	4,414	3,371	3,371	4,121	3,212	3,212	4,415	3,655	3,655
Total ...	595,504	543,093	552,331	652,331	605,125	605,125	736,662	683,384	683,384	773,118	716,261	716,261

6TH AUGUST 1892, No. 1790, 1790-A L., LOCAL AND MUNICIPAL.

GOVERNMENT OF MADRAS.

LOCAL AND MUNICIPAL DEPARTMENT.

READ—the following paper:—

From the Sanitary Commissioner, dated Fort St. George, 30th June 1892,
No. 1910-S.

ABSTRACT.—Forwarding four copies of the Vaccination Report for 1891-92.

ORDER—dated 6th August 1892, No. 1790 L., Local and Municipal.

With his letter read above, the Sanitary Commissioner forwards the report of the Inspector of Vaccination and Deputy Sanitary Commissioner on the working of the Vaccination Department during the year 1891-92. The Government is glad to note that this was received on the due date, viz., 1st July.

2. The following statement shows the total number of operations performed by the several vaccine agencies in each of the last five years and the average cost of each successful case:—

Operations performed.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.
(a) By Government vaccinators in Agency tracts ..	9,816	17,104	28,336	17,901	16,501
(b) „ Local Fund vaccinators ..	625,795	676,293	718,587	781,430	800,301
(c) „ Municipal vaccinators including Madras ..	75,535	85,572	85,570	99,058	110,590
(d) In cantonments ..	3,937	4,972	3,702	3,862	3,585
(e) „ dispensaries ..	14,174	18,827	27,849	42,683	47,352
(f) Other operations by medical subordinates ..	5,181	4,379	6,444	9,223	8,463
(g) By the Zemindary vaccinators ..	4,042	2,270	5,250	6,403	6,628
Total ..	738,480	809,417	875,748	960,560	1,053,420
Average cost of each successful case ..	RS. A. P. 0 4 1	RS. A. P. 0 3 11	RS. A. P. 0 3 8	RS. A. P. * 0 3 7	RS. A. P. 0 3 7

* This is stated to have been erroneously shown as As. 3-3 in the last year's report.

The total number of operations performed during the year under review thus shows, notwithstanding the adverse circumstances referred to in paragraph 9 of the report, an increase of 92,860 or 9.7 per cent. on the figures of the previous year, which is very satisfactory; but it is to be regretted that there has been a further decline in the work of the Government vaccinators in the Agency tracts, for which no explanation has been offered. In spite of the increase in the number of successful operations,

the average cost of each such case remained the same as in 1890-91, viz., As. 3-7; owing to a corresponding increase in the total cost of the vaccine establishments. The total number of cases verified by Deputy Inspectors of Vaccination exhibits a satisfactory increase of 42,401 over that of the previous year, and the ranges in which these

officers failed to verify less than 50 per cent. of the cases vaccinated, declined from ten in 1890-91 to six in the year under report. The explanation of this shortcoming is inadequate. The Deputy Inspector, Permagudi range, who has been reported for short work in two successive years, should be severely dealt with. The figures given under the heading "Percentage of successful cases to total number inspected" in the statement appended to paragraph 17 appear in some instances open to doubt, notably in that of the Ganjam Hill tracts where, notwithstanding the known facts that the vaccinators are bad and good lymph is difficult to obtain, the percentage of successful cases amongst those inspected is alleged to have been 96.6 per cent. The work done by medical subordinates was, on the whole, satisfactory, particularly in the case of the Chingleput district which was far ahead of other districts in this respect.

3. Excluding the work done in the cantonments of Bangalore and Secunderabad, the proportion per mille of the total number of operations performed during the year to the total population according to the census of 1881 was 34.1 against 31.0 in 1890-91 and 28.3 in 1889-90. Infantile vaccination, however, has not received the attention that it should, as, although there was an increase of 28,366 in the total number of successful operations on children under one year of age, the proportion per cent. of such cases to the total number of registered births fell from 24.1 in 1890-91 to 22.5 during the year under review.

4. The work done in the year under review by the Government establishment in the Hill tracts of the Northern Circars was even less than the short work of 1890-91. In Ganjam, Jeypore and Peddapur Agencies the falling off was most marked, though Ganjam still showed the highest average outturn of work per vaccinator. No attempt has been made to explain the discreditable results under notice. This is a point into which, although the staff is under the control of the respective Agency officers, the Inspector of Vaccination should have made enquiry. The Agents of the districts concerned will now be called upon in the Judicial Department to account for the falling off within their charges.

5. *Local Fund Circles.*—The number of operations performed by Local Fund vaccinators increased by 78,871 or 10.1 per cent., as compared with 1890-91. The average outturn per vaccinator was 1,302, the corresponding figure for the previous year being 1,182. As in 1890-91 the Local Fund vaccinators head the list, as regards quantity the next in order being those of the Madras town with an average of 1,046. The quality of the operations performed, however, has continued to deteriorate. The Inspector ascribes this mainly to the changes in the kind of lymph used; this explanation is probably correct. The work done in the different Local Fund circles will be noticed by Government in reviewing the administration reports of the several District Boards. The large increase in the number of operations performed in Tinnevely (12,973), South Arcot (10,322) and Godavari (10,301) is very satisfactory; but in three districts, as against six in 1890-91, viz., Coimbatore, Kurnool and Trichinopoly, less work was turned out than in the previous year. In Coimbatore the deficiency was small, but this is the third year in succession in which it has been noticed. The Government must again direct the attention of the District Board to the matter. The short outturn of work in Kurnool and Trichinopoly has not been satisfactorily explained. It is presumed that during the suspension of the Deputy Inspector of the last-named district an officer was appointed to carry on the work. In Kurnool each vaccinator performed 2,490 operations—a number rather less than that of the previous year (2,836). This district in this respect heads the list and Trichinopoly again occupies the second place with 1,884 cases per vaccinator—an improvement on 1890-91 (1,687 cases). The other districts showing more than 1,600 cases per vaccinator are

Chingleput (1,767), Tinnevely (1,645), and South Arcot (1,611). There was some improvement in the four districts (Nilgiris, Ganjam, Anantapur and Godavari) where work was most unsatisfactory in 1890-91, and marked improvement in Salem and South Canara. As regards the quality of the work turned out, Ganjam again stands first and Bellary and Vizagapatam second; Anantapur, where the work has considerably deteriorated, is last. There was a great falling off, too, in Madura and Kistna. The average cost of each successful case was slightly less than in the previous year.

6. *Municipalities.*—In 1890-91 vaccination was compulsory in 38 municipal towns; in the course of the year under review 9 towns were added to that number, but in spite of this and of the remarks made by Government in paragraph 6 of G.O., dated 2nd September 1891, Nos. 2117, 2118 L., there was very little progress made in District Municipalities in 1891-92, and what advance was effected was comparatively less than that in Local Fund circles, which, with only two exceptions, showed a higher outturn of work per vaccinator than the average (900) for all District Municipalities. This unsatisfactory result is due in the main to want of energy and interest in vaccination on the part of a large proportion of Municipal Councils. The Government regrets that it is again compelled to comment in unfavorable terms on the shortcomings in this respect of these bodies and trusts that those Councils which have been lax as regards vaccination will in future use their best efforts to effect a real improvement in this most important item of municipal administration. The work done in the several

1. Bezvada.
2. Bimlipatam.
3. Cochin.
4. Karur.

5. Palghat.
6. Tanjore.
7. Tuticorin.
8. Walajapet.

Municipalities will, as usual, be noticed in the reviews of their annual administration reports. The eight Municipalities named in the margin are those in which vaccination was not compulsory in the year under review. Into three of these

the compulsory system has since been introduced. As regards the 47 towns in which the system was worked, the work done per vaccinator was good in Trichinopoly (1,988 cases), Vizagapatam (1,971), fair in Tinnevely (1,568) and below the mark in all the rest. In Vizagapatam there was, however, a considerable falling off as compared with the work done in 1890-91. In Anantapur (377) and Berhampore (340) the outturn was discreditable small. The former Municipality was quite as backward as in 1890-91, while the latter, in spite of the introduction of the compulsory system during the year, turned out little more than half the work of the previous year. The improvement in Vaniyambadi is noticeable, and in Periyakulam, Parlakimedi and Salem, referred to in the review for 1890-91 as having been brought under the compulsory system in that year, there has been marked progress, especially in the third named town. On the other hand, work in Vizianagram, which was mentioned with those towns, has seriously deteriorated. Ellore, Guntur and Kurnool fell far short of the results attained in 1890-91, but the Municipality the administration of which as regards vaccination was worst of all is Cocanada. It is remarkable that in Ellore, where in 1890-91 one vaccinator operated on 1,570 cases, two vaccinators in 1891-92 could only return 1,695 cases. The average cost of each successful operation in Municipalities rose from As. 4-10 in 1890-91 to As. 5-1 in the year under review, and in this respect Municipal vaccination compares even more unfavorably than before with that of Local Fund circles, where the corresponding averages were As. 3-5 and As. 3-4 respectively. The cost was highest in Kurnool, Cuddapah and Tirupati; in the two first-named towns it was much higher than in the previous year. No explanation is offered by the Inspector of Vaccination. As regards the quality of the work done, Cuddapah and Maanargudi stood first, the percentage of successful cases (primary vaccination) in each case being 99.7—a higher figure than the highest of 1889-90 and 1890-91. Ellore and Tinnevely come next, with 99.3 and 98.2 per cent. respectively. There was a marked falling off in Erode (first on the list in 1890-91), Chica-cole, Berhampore, Coimbatore, Madura and Parlakimedi, and corresponding improvement in Trichinopoly, Tellicherry, Anantapur and Cocanada, but in the last-named town the percentage was the lowest but one in the Presidency (68.9). In the Madras Municipality the number of cases operated on was 22,451, the percentage of successful operations 98.7, and the cost of each successful case As. 6-7; the corresponding

figures for the previous year were 22,933, 99.3 and As. 6-6. There was a slight improvement in infantile vaccination, but in other respects there was no advance. Turning to the towns in which the results of the year under review were better than those of 1890-91, it is observed that Nellore nearly doubled its outturn, while Ongole made satisfactory progress. Matters improved in Tellicherry and Gudiyá-tam—two towns that it was necessary in the review for 1890-91 to characterize as most backward and in which vaccination was made compulsory during 1891-92. There was improvement in most of the other towns in which vaccination was rendered compulsory with the exception of Mangalore, Palni and Berhampore. The falling off in Mangalore is marked. In this town in 1889-90 one vaccinator operated on 1,460 cases and in 1890-91 on 1,190; in 1891-92 there were two vaccinators and they accounted for only 1,658 cases. The attention of the Municipal Council is drawn to this discreditable shortcoming. Among the towns in which vaccination was not compulsory, Cochin had an average outturn per operator of 1,925 against 506 in 1890-91—a very creditable figure and one attained without increasing the staff. In Tanjore, Bimlipatam and Pálghat, there was a falling off; there was no improvement worthy of mention in Tuticorin or Bezvada; while Wárajápet and Karúr produced results in every degree as unsatisfactory as in 1890-91. Infantile vaccination continued as a general rule to be neglected in District Municipalities. In Adóni and Anantapur, over 70 per cent. of the operations performed (primary vaccination) were on children under one year of age. It is, however, to be remarked that in Anantapur only 231 cases in all were primarily vaccinated, and that the number of children under one year vaccinated was 194 as against 230 in 1890-91. The high percentage mentioned above therefore reflects no credit on the Municipal Council. Pálghat was again at the bottom of the list, with Berhampore, Chicacole, Cocanada and Mannárgudi but little above it. In every one of these towns less than ten per cent. of the operations were performed on infants. The average for all Municipalities was 40.1 per cent.; the corresponding figure for the previous year was 38.2. A larger amount of re-vaccination was done than in the previous year.

7. *Animal Vaccination.*—During the year under review, the experiments with lanoline vaccine conducted by Surgeon-Major W. G. King were completed; and in G.O., dated 3rd September 1891, No. 2128 L., Local and Municipal, the Government dealt with that officer's report on the subject. As stated in the order referred to, the results attained by Dr. King's preparation compared with animal lymph fresh from the calf were distinctly inferior, and the Government directed that whenever possible, with a due regard to economy, fresh animal lymph should be employed in all vaccine operations in future, and that the lanoline paste should be used only when the use of stored lymph could not be avoided. Subsequently, in G.O., dated 10th October 1891, No. 860, Public, the use of the lanoline paste was prohibited. Towards the end of the year under review, animal lymph was being used in every District and Municipality, though not to the same extent in all, while the use of humanized lymph had been discontinued throughout the Presidency. The number of operations performed with animal lymph of all kinds was 674,148 against 332,585 in 1890-91 and 101,153 in 1889-90. The advance is satisfactory. Of the operations, 609,229 or 90.4 per cent. were successful. The percentage of successful cases in 1890-91 was 90.1. With fresh animal lymph there were 330,419 operations, of which 311,624 or 94.31 per cent. were successful. The corresponding figures for 1890-91 were 198,826, 185,043 and 93.07. With preserved animal lymph other than lanoline vaccine, 112,320 operations, of which 102,323 succeeded (or 91 per cent.), were performed. The above excludes work done by medical subordinates with lymph of all kinds including lanoline paste. They operated on 38,046 cases, the percentage of successful cases being 82.3. Lanoline paste was used in 202,435 cases; the percentage of successful operations was 85.3. Madras again turned out good work. As in 1890-91, the best results were obtained from fresh animal lymph, while preserved animal lymph proved superior to lanoline vaccine. Two-thirds of the total number of operations in the Presidency, as against two-fifths in 1890-91, were performed with animal lymph, and, as already remarked, it will, under the orders of Government, be the only medium employed in future.

8. *General Remarks.*—The proposals called for from Dr. King (in paragraph 4 of G.O., dated 12th January 1891, No. 61 L.) for the reorganization of the Vaccination department, were received during the year under review. As, however, they had not been prepared in consultation with the Sanitary Commissioner, and as that officer had in the meanwhile been directed, in paragraph 6 of G.O., dated 3rd September 1891, No. 2128 L., to submit a scheme on the lines indicated in that order, Dr. King's proposals were referred to the Sanitary Commissioner for remarks (*vide* G.O., dated 9th May 1892, No. 1066 L.). These have just been received and the necessary orders will be passed thereon in due course.

(True Extract.)

J. F. PRICE,
Chief Secretary.

To the Sanitary Commissioner.
„ the Surgeon-General.
„ the Sanitary Board.
„ the Sanitary Engineer.
„ the Public Department.
„ the Judicial „
„ the Revenue „
„ the Military „
„ all Collectors.
„ all Presidents of District Boards.
„ all Chairmen of Municipal Councils
(through the Collectors concerned).
„ the President, Municipal Commission, Madras.
„ the Director of Public Instruction.
„ the Accountant-General.
Editors' Table.

ENDORSEMENT—dated 6th August 1892, No. 1790-A L., Local and Municipal.

Copy to the Government of India, Home Department.

J. F. PRICE,
Chief Secretary.

Govt. of {1892} Madras.

LOCAL AND MUNICIPAL.

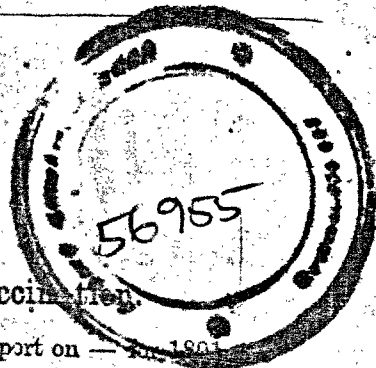
Issued

Recd.

Encl.

G.O., &c., 6th August 1892,
Nos. 1790, 1790-A L.

AUGUST.



Vaccination

Reviewing the report on — 1891