

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.G.O. No. 667 Press
Mis.

95-96.

Dated 9-5-1870.

M.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Revenue Department,
9th May 1870.*

No. 95. Read the following letter from the Acting Secretary to the Board of Revenue, to the Acting Secretary to Government, Revenue Department, Fort Saint George, dated Madras, 1st February 1870, No. 710:—

With reference to the Order of Government, dated 18th April 1868, No. 1,034, I am directed by the Board of Revenue to submit the following Report on the sanitary condition of the districts of this Presidency (exclusive of the Town of Madras) for Fusly 1278, together with an Abstract Statement showing the ratio of mortality to population.

2. The registration of Births having commenced from April 1868, an Abstract Statement of Births during the period embraced in this report is also submitted for the information of Government.

3. According to the district returns the total number of Births was 440,609, bearing a ratio of 17·21 per mille of whole population. The ratio was highest in Tanjore and lowest in Madura, being respectively 24·04 and 11·27. The obvious inaccuracy of the returns from the latter district, as well as from Ganjam, Vizagapatam, and other Zemindary districts is no doubt attributable to the great difficulty there is in collecting statistics in permanently settled estates. A superstitious reluctance on the part of the rural population generally to give a true account of Births, and the imperfect machinery in some cases for collecting reliable statistics in large towns, render the attainment of accuracy in statistics of this description a work of great difficulty. The Board have, however, reason to believe that, as the interest of the local officers in the collection of these statistics is awakened, and the fears of the people, are in some measure, dispelled, the difficulties are being gradually overcome and real improvement being made. The Board think it at present premature to discuss the results disclosed by the abstract returns of Births now submitted for the first time. But the attention of Collectors is being frequently directed to this important matter.

4. The Mortuary Returns show that the total number of Deaths during the

* Cholera ...	...	4,490	0·01
Small-pox ...	...	24,070	0·94
Fever ...	...	109,105	4·26
Age ...	...	40,940	1·59
Other diseases ...	...	197,913	7·73
Violent causes ...	...	8,920	0·34

Fusly was 385,596, being in a proportion of 15·06 per mille of population against 13·95 in the preceding Fusly. The increase indicates improved accuracy in the returns; but it is obvious

*Proceedings of the Madras Government, Revenue Department,
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that in the majority of districts the returns are still unreliable. The Board have in their Proceedings of 25th October 1869, No. 7,908, placed before Government their views as to the machinery necessary for the accurate collection of vital statistics in this Presidency. Classified with reference to their causes, the Deaths are distributed as per margin. The proportion of Deaths due to each cause is also exhibited.

5. The number of Deaths from cholera was happily very few, only 4,490 against 16,046 in Fusly 1277, and

<i>Cholera.</i>		
	Fusly 1277.	Fusly 1278.
Ganjam ...	343	429
Vizagapatam...	132	109
Godavery ...	324	...
Kistna ...	1,390	...
Nellore ...	10	6
Cuddapah ...	31	155
Bellary ...	2	1,488
Kurnool ...	43	1,357
Madras ...	53	3
North Arcot...	544	113
South Arcot...	2,343	54
Tanjore ...	5,647	261
Trichinopoly	2,928	77
Madura ...	388	67
Tinnevely ...	104	80
Coimbatore ...	373	15
Salem ...	1,073	60
South Canara.	262	137
Malabar ...	176	79
Total...	16,046	4,490

175,645 in Fusly 1276. The prevalence of cholera to any great extent was confined to two districts, viz., Bellary and Kurnool. The rest of the Presidency may be said to have enjoyed comparative immunity from this epidemic. In Godavery and Kistna there were absolutely no cases. In Nellore, Madras, and Coimbatore, almost next to none. In some few districts the cases reported are stated to have been simple diarrhoea mistaken for cholera.

6. In Bellary the epidemic raged chiefly in the eastern portion of the

district, and is stated to have originated with the large number of travellers by rail, who congregate and make a temporary stay in the vicinity of the stations before proceeding finally to their destination. Detached camps, with conveniences for the sick, were established at Bellary, Anantapore, and Ghooty with great success, in addition to the supply of medicines, through the agency of the Tahsildars. At the great annual festival of Humpy, which used to be the hot-bed of the disease, not a single case occurred. The outbreak of cholera in Kurnool is not traced to any particular cause.

7. It is also worthy of note that at the places named in the margin, where a

Trivellore ...	...	Madras.	very large concourse of people assembled from various parts of the country during the annual festivals, the absence of cholera was happily conspicuous. Stringent sanitary precautions were taken at these places, and the effect of such measures was doubtless advantageous, though
Conjeveram...	...		
Combaconum...	...		
Nagore...	...	Tanjore.	
Negapatam	...		
Trivalore	...	Trichinopoly.	
Streerungum	...		

*Proceedings of the Madras Government, Revenue Department,
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it would be taking too much credit for them to suppose that they alone prevented the outbreak of the epidemic.

8. The Deaths from small-pox, though less in number compared with the preceding Fusly, were still very numerous, viz., 24,070 against 33,623. In the

<i>Small-pox.</i>		
	Fusly 1277.	Fusly 1278.
Ganjam ...	355	338
Vizagapatam ...	653	556
Godavery ...	2,154	1,165
Kistna ...	1,281	1,719
Nellore ...	1,587	2,003
Cuddapah ...	966	1,606
Bellary ...	1,708	2,102
Kurnool ...	614	1,623
Madras ...	2,756	1,097
North Arcot ...	5,175	2,082
South Arcot ...	1,500	1,064
Tanjore ...	3,350	2,684
Trichinopoly ...	799	514
Madura ...	1,964	1,197
Tinnevely ...	1,935	1,878
Coimbatore ..	1,056	664
Salem ...	1,804	852
South Canara ..	275	113
Malabar ...	3,691	715
Total...	33,623	23,972

ous, viz., 24,070 against 33,623. In the Kistna, Nellore, Cuddapah, Bellary, and Kurnool Districts they were much more numerous than in the preceding year, while a considerable decrease occurred in Godavery, Madras, North Arcot, South Arcot, Tanjore, Madura, Coimbatore, Salem, and Malabar. It is observed that in Fusly 1276 these districts enjoyed comparative immunity from this disease. The Collectors of the Kistna, Bellary, and Tanjore Districts still consider the present system of vaccine operations

defective and susceptible of great improvement. The Board are aware that the Superintendent-General of Vaccination is most anxiously devoting his attention to the subject, and is willing to adopt any suggestions from the district officers for the better management of the operations of his department. It would be out of place to go into the subject further in this report, but it is receiving all due attention.

9. Fever prevailed in all the districts, and the total number of Deaths from this cause was nearly as large as in the preceding year. The cases were fifty

<i>Fever.</i>		
	Fusly 1277.	Fusly 1278.
Ganjam ...	6,038	8,222
Vizagapatam ...	9,398	7,250
Godavery ...	15,209	6,955
Kistna ...	3,835	2,205
Nellore ...	1,815	2,089
Cuddapah ...	5,236	9,115
Bellary ...	7,883	8,845
Kurnool ...	6,690	8,523
Madras ...	1,961	2,198
North Arcot ...	7,425	7,820
South Arcot ...	2,670	2,504
Tanjore ...	4,833	6,670
Trichinopoly ...	2,374	2,470
Madura ...	3,697	3,999
Tinnevely ...	2,015	2,544
Coimbatore ...	2,604	3,381
Salem ...	4,760	7,085
South Canara	10,498	5,536
Malabar ...	9,563	11,269
Total...	105,504	108,680

per cent. less in two districts, Godavery and South Canara. In the rest the number was either greater than, or nearly the same as in, the last year. The distribution of fever-pills during the height of the disease in particular localities goes but a little way in checking its ravages; and, as remarked by the Board in their last report, nothing can successfully grapple with this epidemic but a well-organized agency educated on the European system of

*Proceedings of the Madras Government, Revenue Department,
9th May 1870.*

medicine. Under the recent orders of Government, Quinine is now offered for sale by the Revenue-officers, and it is hoped that the progress of Cinchona cultivation will soon admit of other and less expensive preparations of bark being available.

10. The Deaths from age appear to have been nearly the same number as in the preceding year, having been 40,910 against 35,788, and those ascribed to other diseases were 197,913 against 157,095.

Violent Causes.

	Fusly 1277.	Fusly 1278.
Accidents.		
Drowning ...	3,884	4,017
Snake-bite ...	2,048	2,310
Wild beasts ...	323	234
Other accidents ...	1,833	1,738
Suicides.		
Hanging ...	188	210
Drowning ...	253	270
Poison... ..	35	49
Other suicides ...	87	92
Total ...	8,651	8,920

	Births.	Deaths.
Ganjam	18-96	13-17
Vizagapatam	16-52	12-68
Godavery	15-62	14-62
Kistna	19-32	15-23
Nellore	16-06	16-34
Cuddapah	13-48	17-87
Bellary	16-13	19-45
Kurnool	17-92	23-16
Madras	20-46	17-69
North Arcot	21-67	17-36
South Arcot	12-80	11-09
Tanjore	24-04	20-16
Trichinopoly	17-21	13-66
Madura	11-27	8-15
Tinnevelly	15-93	13-23
Coimbatore	14-26	11-33
Salem	15-43	12-45
South Canara	15-74	19-81
Malabar	22-17	16-60
Neilgherries	17-93	21-21

11. Those from violent causes also show little variation from the year preceding, as will be observed from the marginal figures.

12. The ratios of Births and Deaths in each district of the Presidency is given in the margin. For the reasons already stated in paragraph 3 the Board will not discuss the apparently discordant results which these figures disclose.

13. On the whole Fusly 1278 may be described to have been a healthy year, and distinguished from its predecessors by a marked freedom from cholera enjoyed by the greater part of the Presidency. The prices of food-grains were moderate, and the poorer classes were exposed to little distress.

14. The last report from the districts having been received so late as November, it has not been found practicable to submit this review at an earlier date. The Board trust that future reports will be submitted at a less interval from the close of the Fusly year.

*Proceedings of the Madras Government, Revenue Department,
9th May 1870.*

ENCLOSURE No. 1.

*Abstract Statement of Deaths in the several districts of the Madras Presidency for
Fusly 1278.*

Districts.	POPULATION.			MORTALITY.		
	Males.	Females.	Total.	Males.	Females.	Total.
1. Ganjam	650,482	585,308	1,235,790	8,826	7,453	16,279
2. Vizagapatam	785,623	719,422	1,505,045	10,455	8,631	19,086
3. Godavery	722,713	704,759	1,427,472	11,170	9,707	20,877
4. Kistna	664,088	632,564	1,296,652	10,350	9,398	19,748
5. Nellore	607,199	561,465	1,168,664	10,106	8,972	19,078
6. Cuddapah	597,661	547,098	1,144,759	11,665	8,802	20,467
7. Bellary	680,698	624,300	1,304,998	13,253	12,137	25,390
8. Kurnool	397,479	373,378	770,857	9,592	8,266	17,858
9. Madras	413,366	390,917	804,283	7,253	6,979	14,232
10. North Arcot... ..	...	...	1,787,131	16,789	14,240	31,029
11. South Arcot... ..	658,184	603,662	1,261,846	7,408	6,586	13,994
12. Tanjore... ..	820,759	849,474	1,670,233	16,901	16,786	33,687
13. Trichinopoly	504,245	502,581	1,006,826	7,107	6,655	13,762
14. Madura... ..	968,115	978,274	1,946,389	8,528	7,318	15,846
15. Tinnevelly	760,165	766,533	1,526,698	10,535	9,675	20,210
16. Coimbatore	705,017	688,565	1,393,582	8,606	7,178	15,784
17. Salem	819,218	800,015	1,619,233	10,654	9,511	20,165
18. South Canara.	424,959	411,060	836,019	8,821	7,745	16,566
19. Malabar	927,144	922,527	1,849,671	17,008	13,601	30,609
20. Neilgherries... ..	20,858	17,284	38,142	488	321	809
Total ...	12,127,973	11,679,186	23,807,159	2,05,515	180,081	385,596

Proceedings of the Madras Government, Revenue Department,
9th May 1870.

Abstract Statement of Deaths in the several districts

Districts.	DETAILS				
	From Disease.				
	Cholera.	Small-pox.	Fever.	Age.	Other diseases.
1. Ganjam...	429	333	8,222	730	6,316
2. Vizagapatam ...	109	556	7,250	2,105	8,699
3. Godavery ...		1,165	6,955	1,294	10,967
4. Kistna ...		1,719	2,205	4,546	10,775
5. Nellore...	6	2,003	2,089	2,666	11,832
6. Cuddapah ...	155	1,606	9,115	2,032	6,936
7. Bellary...	1,488	2,102	8,845	1,010	10,548
8. Kurnool ...	1,357	1,623	8,523	907	5,155
9. Madras ...	3	1,097	2,198	1,541	9,249
10. North Arcot ...	113	2,082	7,820	3,164	17,204
11. South Arcot ...	54	1,064	2,504	1,762	8,152
12. Tanjore ...	261	2,684	6,670	4,839	18,521
13. Trichinopoly ...	77	514	2,470	1,722	8,595
14. Madura...	67	1,197	3,999	817	9,420
15. Tinnevely ...	80	1,878	2,544	1,509	13,736
16. Coimbatore ...	15	664	3,381	3,118	8,125
17. Salem ...	60	852	7,085	1,134	10,532
18. South Canara ...	137	113	5,536	1,813	8,430
19. Malabar ...	79	715	11,269	3,283	14,494
20. Neilgherries ...		98	425	48	227
Total...	4,490	24,070	109,105	40,940	197,913

Proceedings of the Madras Government, Revenue Department,
9th May 1870.

of the Madras Presidency for Fusly 1278.—(Concluded).

OF DEATHS.

OF DEATHS.										
From Violence.								Murders.	Ratio per 1,000 calculated on columns.	Remarks.
Accidents.				Suicides.						
Drowning.	Snake-bite.	Wild beasts.	Other accidents.	Hanging.	Drowning.	Poison.	Other suicides.			
90	44	23	64	8	2	1	...	12	13-17	The Madras District is exclusive of the Town of Madras.
100	70	16	139	7	17	...	6	12	12-68	
214	120	7	93	10	37	4	6	5	14-62	
205	88	3	118	12	65	2	6	5	15-23	
291	112	14	33	6	12	1	...	13	16-34	
458	78	12	65	3	1	...	1	5	17-87	
255	55	3	109	13	37	3	6	16	19-45	
141	43	17	87	1	...	1	...	3	23-16	
76	52	1	6	1	1	6	1	...	17-69	
360	116	11	73	10	62	7	4	3	17-36	
139	187	47	66	12	...	4	...	3	11-09	
239	380	6	68	11	...	3	...	5	20-16	
117	116	3	130	5	3	3	2	5	13-66	
136	138	7	51	6	10	2	20	6	8-15	
267	65	5	85	7	2	2	22	8	13-23	
243	135	19	62	12	1	...	4	5	11-33	
248	127	14	90	10	3	...	1	9	12-45	
180	81	23	195	29	10	6	3	10	19-81	
256	303	...	200	47	7	3	11	32	16-60	
2	...	3	4	...	...	1	...	1	21-21	
4,017	2,310	234	1,738	210	270	49	92	158	15-06	

(Signed) A. MACGREGOR

(Signed) A. MACGREGOR,
Acting Secretary.

ENCLOSURE No. 2.
Abstract Statement of Births in the several districts of the Madras Presidency for *Fasly* 1273.

Districts.	POPULATION.			BIRTHS.		Ratio per 1,000 cal- culated on columns between 4 and 7.	Remarks.
	Males.	Females.	Total.	Males.	Females.		
	2	3	4	5	6	7	
1							9
Ganjam...	650,482	585,308	1,235,790	12,488	10,944	23,432	18.96
Vizagapatam	785,623	719,422	1,505,045	12,888	11,978	24,866	16.53
Godavary	722,713	704,759	1,427,472	11,257	11,039	22,296	15.62
Kistna...	664,088	632,564	1,296,652	12,726	12,326	25,052	19.32
Nellore...	697,199	561,465	1,258,664	9,668	9,105	18,773	16.06
Cuddapah	597,661	547,098	1,144,759	7,995	7,446	15,441	13.48
Bellary...	680,698	624,300	1,304,998	11,359	10,703	22,062	16.13
Kurnool...	397,479	373,378	770,857	7,065	6,755	13,820	17.92
Madras...	413,366	390,917	804,283	8,554	7,908	16,462	20.46
North Arcot	658,184	603,662	1,261,846	20,080	18,652	38,732	21.67
South Arcot	820,759	849,474	1,670,233	20,661	19,498	40,162	12.80
Tanjore...	504,245	502,581	1,006,826	9,208	8,127	17,335	17.21
Trichinopoly	968,115	978,274	1,946,389	11,647	10,297	21,944	11.27
Madura...	760,165	766,533	1,526,698	12,806	11,521	24,327	15.93
Tinnevely	705,017	688,565	1,393,582	10,451	9,422	19,873	14.26
Coimbatore	819,218	800,015	1,619,233	12,713	12,207	25,010	15.43
Salem...	424,959	411,060	836,019	6,801	6,355	13,156	15.74
South Canara	927,144	922,527	1,849,671	21,275	19,750	41,025	22.17
Malabar...	20,858	17,284	38,142	357	327	684	17.93
Neigherries							
Total...	12,127,973	11,679,186	23,807,159	128,714	121,895	250,609	17.21

The Madras District is exclusive of the Town of Madras.

(Signed) A. MACGREGOR,
Acting Secretary.

Proceedings of the Madras Government, Revenue Department,
9th May 1870.

No. 96. ORDER THEREON, 9th May 1870, No. 667.

Miscellaneous.

RESOLVED that the foregoing Report be submitted to the Right Honourable the Secretary of State for India, with

reference to paragraph 4 of his despatch, dated 29th February 1868.

2. The Local Fund Bills, now under consideration in the Legislative Department, should they become Law, will place the Government in a position to do much towards improving the sanitary condition of the Presidency, and will, it is hoped, enable them to take steps for training up a class of Native Medical Practitioners.

3. It is satisfactory to observe that the precautionary measures referred to in paragraphs 6 and 7 of the Board's letter were followed by such good results.

(True Extract.)

(Signed) R. A. DALYELL,
Acting Secretary to Government.

To the Board of Revenue,
the Public Department.

Erd. F. R. Bantleman.

Recd Sept

W-667

Proceedings of the Madras Govt
under date the 9th May/79

Recd the fol-
-lowing letter from the
Ag^y Secy to the Ad^r of Mad^r

Submitting re-
-port on the sanitary con-
-dition of the Madras
Presidency exclusive of
the town of Madras for 4th
1278-79

(H. S. 7th Feb^y 1879.
No 710/-

Resolved that
the foregoing report be
submitted to the Right
Honorable the Secy of
State for India, with re-
-ference to para 4 of his
despatch dated 29th 20
February 1868-

J. D. S.

M. A. J.

2. The Local Sanitary
Bills now under consi-
-deration in the Legisla-
-ture Department will
show the Govt in a po-
-sition to do much towards
improving

Govt. of Madras

REVENUE.

To

THE BOARD OF REVENUE.

Dated May 9th

Recd.

G. O., 9th May 1879, No. 667.

MAY.
Nos. 95-93.

Sanitary condition of Madras Presi-
-dency.—Fasting orders on Fast for Fussy 1278.

improving the sanitary
condition of the Presiden-
cy and will, it is hoped,
enable them to take
steps for training up
a class of Native Medi-
cal practitioners.

3. It is satisfactory
to observe that the precau-
tionary measures referred
to in para 647 of the
Board's letter were follow-
ed by such good re-
sults.

14 To the Board of Revenue D. 10/1/1907
5- The Public Dept S

Edw

1
Report on the Sam-
tain and other of the
H. and P. in
in July 1870.

One
Cup
Bottle