

Revenue (1897) Department.

MISCELLANEOUS SERIES.

G.O., No. 2755

DATED 31st May

[Despatch Abstract.]

Recording P.P. recording with remarks
the Supd. review of the cattle mortality returns
for the 9 months Decr 1896.

BACK PAPERS.

G.O.	No.	Department.	Date	G.O.	No.	Department.	Date

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REVENUE DEPARTMENT.

1897.

Current Number
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Board of Revenue

(Revenue Settlement, Land Records and Agriculture),

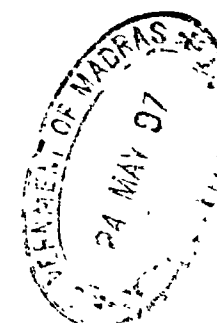
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11/31/97

APRIL.

Cattle Mortality.—Recording, with remarks, the Superintendent's review of the — returns ✓
for the quarter ending December 1896.

27/5/97

27/5/97

PROCEEDINGS OF THE BOARD OF REVENUE
(REVENUE SETTLEMENT, LAND RECORDS AND AGRICULTURE).

READ—the following letter from the Superintendent, Civil Veterinary Department, to the Secretary to the Commissioner of Revenue Settlement, Land Records and Agriculture, dated Madras, 2nd April 1897, No. 372:—

With reference to B.P., dated 23rd March 1897, Mis. No. 2146, I have the honour to submit herewith a review of the cattle mortality reported in the Madras Presidency for the quarter ending 31st December 1896.

2. The statistics of mortality among live-stock during the period under review are shown in the appendix and the totals in the subjoined statement compared with the mortality reported during the preceding quarter and the corresponding quarter of the last year:—

Causes of death.	During the quarter ending 31st December 1895.		During the quarter ending 30th September 1896.		During the quarter ending 31st December 1896.	
	Cattle.	Horses and ponies.	Cattle.	Horses and ponies.	Cattle.	Horses and ponies.
<i>Diseases.</i>						
Rinderpest	5,811	..	9,521	..	11,406	..
Diarrhoea and dysentery	3,278	12	3,660	2	5,314	5
Anthrax	5,576	..	6,136	4	7,146	6
Epizootic apthia	843	..	442	..	607	..
Variola	650	..	567	..	2,143	..
All other diseases	10,480	33	9,882	47	9,944	17
Total ..	26,638	45	30,208	53	36,560	27
<i>Other causes.</i>						
Snake-bite	758	3	570	..	636	1
Wild animals	2,991	30	2,637	25	2,868	32
Criminal poisoning	20	..	5	..	13	..
Total ..	3,769	53	3,212	25	3,517	33
Grand Total ..	30,407	78	33,420	78	40,077	60

3. The total number of deaths among cattle was 6,657 and 9,670 more than that in the preceding quarter and the corresponding quarter of the previous year respectively.

4. *Rinderpest, diarrhoea and dysentery.*—The loss among cattle from these causes increased by 3,539 and 7,631 as compared with that of the preceding quarter and corresponding quarter of the previous year respectively. Chingleput reported the highest figure (4,558), as it did in the last quarter, the number now reported being more than double of that (2,139) of the previous quarter. Next to Chingleput, Kurnool (2,287), Gódvári (1,870) and Anantapur (1,692) reported the highest figures. Out of a total of 4,558 deaths reported in the Chingleput district, Ponnéri, Tiruvallúr and Saidapet taluks reported only 249, all the rest being reported by Chingleput, Madurántakam and Conjeeveram. Towards a total of 2,287 in Kurnool

district, Ramallakót, Pattikonda, Nandikotkur and Nandyal contributed 2,133, all the remaining five taluks having reported 154 only. In Gódvári and Anantapur districts no particular group of taluks reported appreciably higher figures than the rest, and all the taluks suffered from the diseases. Salem, Coimbatore, Trichinopoly and Nilgiris reported the lowest figures 39, 31, 24 and 1 respectively.

5. *Anthrax.*—The total loss under this head was 1,010 and 1,570 more than that in the preceding quarter and the corresponding quarter of the previous year respectively. Chingleput and Gódvári reported the highest figures 2,042 and 1,647 respectively. They were the districts that reported the highest figures in the last quarter also. In the Chingleput district, Madurántakam taluk reported the highest figure as it did in the last quarter.

6. *Epizootic apthia.*—The total number of deaths from this disease increased by 165 and decreased by 236 as compared with those of the preceding quarter and the corresponding quarter of the previous year respectively. As in the previous quarter Nellore was free from loss under this head while all the other districts suffered more or less loss. Madura, Gódvári and Malabar reported the highest figures 127, 69 and 65 respectively. Coimbatore, Trichinopoly and Anantapur returned the lowest figures 6, 6, and 5 respectively.

7. *Variola vaccinea.*—The total loss under this head was 1,576 and 1,493 more than that in the preceding quarter and the corresponding quarter of the previous year respectively. Ganjám (1,410) and Gódvári (451) reported the highest figures, while Kurnool, North Arcot, Salem, Trichinopoly, Nilgiris and Malabar reported *nil*. Out of 1,410 deaths in Ganjám district which reported only 89 in the last quarter, Goomsur (446) and Suradá (869) taluks reported 1,315 deaths.

8. *All other diseases.*—The total loss under this head was 62 more than that in the preceding quarter and 536 less than that in the corresponding quarter of the previous year. The subjoined tabular statement shows the districts which have been reporting for a long time a larger number of deaths under this head:—

Quarter ending	Districts.					
	Bellary.	Anantapur.	Cuddapah.	Kurnool.	Gódvári.	Kistna.
	No.	No.	No.	No.	No.	No.
30th June 1895	556	682	475	1,158	661	691
30th September 1895	918	1,069	776	1,517	2,316	646
31st December	794	929	567	1,207	1,844	1,160
31st March 1896	802	702	247	696	763	445
30th June	637	766	254	914	776	1,291
30th September 1896	652	911	774	1,269	663	1,389
31st December	715	1,296	941	1,475	678	918

Chingleput reported under this head 1,174 and 1,229 in the last and this quarter respectively.

9. *Horses and ponies.*—Under this head 27 deaths are reported during the quarter as against 53 in the preceding quarter and 45 in the corresponding quarter of the previous year, and five of these are entered under diarrhoea and dysentery, five under anthrax and the rest seventeen under “all other diseases”.

10. *Other causes.*—The total loss among all live-stock under this head was 305 more and 252 less than those in the preceding quarter and the corresponding quarter of the previous year respectively.

11. The total loss caused by disease and other causes among all live-stock was 40,137 against 33,493 and 30,485 of the preceding quarter and the corresponding quarter of the previous year respectively.

12. *Criminal poisoning.*—Altogether thirteen cases were reported from six districts (*vide* for details appendix III). It is since reported that the two cases in Coimbatore district were dropped, as the culprits were not detected owing to the indifference of the ryots. The results of the remaining eleven cases have not yet been reported.

APPENDIX I.

STATISTICS of mortality among cattle in the Madras Presidency during the quarter ending 31st December 1896.

Districts.	Deaths due to disease.						Deaths due to other causes.				Total from all causes.	Total stock by latest census.
	Rinderpest.	Diarrhoea and dysentery.	Anthrax.	Epizootic apthia.	Varicella.	All other causes.	Total.	Snake-bite.	Wild animals.	Criminal poisoning.	Total.	
1. Ganjām ..	310	73	126	50	1,410	121	2,090	16	49	..	66	44,749
2. Vizagapatam ..	66	46	91	5	5	134	347	20	20	..	40	138,670
3. Gōdāvari ..	1,602	368	1,647	21	451	678	4,615	34	118	..	152	4,767
4. Kistna ..	2,165	766	1,888	69	83	918	2,058	32	46	..	78	2,136
5. Kurnool ..	544	122	187	15	..	1,475	3,964	19	34	4	119	4,083
6. Bellary ..	1,463	57	83	8	5	715	1,412	2	34	..	36	524,064
7. Anantapur ..	727	229	90	40	78	1,286	3,156	2	71	..	73	3,229
8. Cuddapah ..	696	117	212	..	4	990	2,036	23	172	3	198	2,233
9. Nellore ..	1,910	2,648	2,042	28	3	1,229	7,560	10	18	..	28	649,718
10. Chingleput ..	154	114	596	14	2	113	1,149	62	14	1	77	1,182,069
11. South Arcot ..	960	114	596	14	..	63	1,695	57	129	..	186	1,881
12. North Arcot ..	11	28	12	11	..	387	488	8	319	2	334	814,362
13. Salem ..	7	24	55	6	9	151	250	8	28	..	36	591,802
14. Coimbatore ..	121	17	69	20	15	227	856	37	1	1	39	951,577
15. Trichinopoly ..	85	110	243	127	52	355	932	53	62	..	115	1,047
16. Tanjore ..	81	19	89	16	1	34	190	24	21	..	45	489,292
17. Madura ..	1	..	..	38	..	..	39	2	84	..	86	67,273
18. Tinnevely ..	4	46	2	65	..	12	129	34	570	..	604	900,790
19. Nilgiris ..	187	30	9	49	1	98	374	7	869	..	876	686,119
20. Malabar ..	..	..	..	..	..	..	..	..	..	..	..	..
21. South Canara ..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	10,978	5,200	7,054	600	2,130	9,858	35,910	605	2,816	13	3,434	39,344
In Zemindaries.	..	..	..	..	..	..	..	..	..	..	..	..
Vizagapatam ..	27	18	52	7	13	65	172	13	10	..	23	195
Kistna ..	..	..	..	..	..	..	..	..	..	..	..	..
Bellary ..	47	..	..	..	..	24	72	..	13	..	13	85
Nellore ..	354	6	39	..	..	7	406	18	29	..	47	453
North Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	428	24	92	7	13	86	650	31	52	..	83	733
Grand Total ..	11,406	5,314	7,146	607	2,143	9,944	36,560	636	2,868	13	3,517	40,077

APPENDIX II.

STATISTICS of mortality among horses and ponies in the Madras Presidency during the quarter ending 31st December 1896.

Districts.	Deaths due to disease.				Deaths due to other causes.				Total from all causes.	Total stock by latest census.
	Diarrhoea and dysentery.	Anthrax.	All other diseases.	Total.	Snake-bite.	Wild animals.	Criminal poisoning.	Total.		
1. Ganjām ..	..	..	..	..	..	..	..	..	..	182
2. Vizagapatam ..	1	..	..	1	..	..	..	..	1	163
3. Gōdāvari ..	..	2	2	4	..	1	..	1	5	2,349
4. Kistna ..	..	..	3	3	1	..	..	2	5	1,142
5. Kurnool ..	..	..	2	2	..	8	..	8	10	2,798
6. Bellary ..	2	..	3	5	..	6	..	6	11	3,727
7. Anantapur ..	..	..	..	..	..	1	..	1	1	3,353
8. Cuddapah ..	..	1	1	2	..	..	..	..	2	2,064
9. Nellore ..	..	..	4	4	..	2	..	2	6	867
10. Chingleput ..	..	..	2	2	..	..	..	..	2	944
11. South Arcot ..	..	..	..	..	..	..	..	..	..	2,685
12. North Arcot ..	..	..	..	..	..	1	..	1	1	2,087
13. Salem ..	..	..	..	..	..	..	..	..	..	3,423
14. Coimbatore ..	..	1	..	1	..	3	..	3	4	4,931
15. Trichinopoly ..	..	..	..	..	..	..	..	..	..	772
16. Tanjore ..	1	..	..	1	..	..	..	..	1	1,354
17. Madura ..	..	..	..	..	..	..	..	..	..	2,190
18. Tinnevely ..	..	..	..	..	..	..	..	..	..	612
19. Nilgiris ..	..	..	..	..	..	7	..	7	7	1,349
20. Malabar ..	..	..	..	..	..	..	..	..	..	885
21. South Canara ..	1	..	..	1	..	..	..	..	1	222
Total ..	5	4	17	26	1	30	..	31	57	..
In Zemindaries.	..	..	..	..	..	..	..	..	..	..
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..
Kistna ..	..	..	..	..	..	..	..	..	..	..
Bellary ..	..	..	..	..	..	1	..	1	1	..
Nellore ..	..	..	..	..	..	..	..	..	..	..
North Arcot ..	..	1	..	1	..	1	..	1	2	..
Total ..	..	1	..	1	..	2	..	2	3	..
Grand Total ..	5	5	17	27	1	32	..	33	60	..

APPENDIX III.

CASES of criminal poisoning of cattle during the quarter ending 31st December 1896.

Districts.	Month.	Number of cases.	Particulars.
1. Kurnool ..	November and December ..	4	The matter was dropped as the culprits were not detected.
2. Cuddapah ..	December ..	3	
3. Chingleput ..	October ..	1	
4. Coimbatore ..	December ..	2	
5. Trichinopoly ..	October ..	2	
6. Tanjore ..	November ..	1	
Total ..	..	13	..

RESOLUTION—dated 27th April 1897, No. 320.

Recorded.

2. Cattle mortality during the quarter under review was the highest ever recorded

Quarters ending	Deaths from		
	Diseases.	Other causes.	Total.
December 1893 ..	29,982	4,282	34,264
March 1894 ..	11,251	1,127	12,378
June ..	16,857	2,749	19,606
September ..	27,494	3,826	31,320
December ..	24,444	4,010	28,454
March 1895 ..	16,191	2,750	18,941
June ..	19,361	2,829	22,190
September ..	25,151	3,754	28,905
December ..	26,638	3,769	30,407
March 1896 ..	19,824	2,613	22,437
June ..	25,408	2,195	27,603
September ..	30,208	3,212	33,420
December ..	36,560	3,617	40,177

tality from disease increased nearly three-fold in North and South Arcot where it was slight previously, and in Nellore and Chingleput where disease had been already widely prevalent, the mortality was nearly double that in the previous quarter. Since September last disease slightly abated in Kistna and Cuddapah, and notably in Bellary (57 per cent.).

3. Rinderpest, and diarrhoea and dysentery with which it is often confounded, contributed 46 per cent. of the total mortality from disease in the Presidency and 57 per cent. of the mortality from disease in Kurnool. The mortality from rinderpest, diarrhoea and dysentery was 27 and 84 per cent. higher than that in the previous quarter and the corresponding quarter of the previous year respectively. Since September 1896, rinderpest and the two other diseases for which it is apt to be mis-taken considerably abated in Ganjam, Bellary, Anantapur and Cuddapah, and increased remarkably in Gódvári, Kistna, Kurnool, Nellore, Chingleput, North Arcot and South Arcot, the mortality in North Arcot from these diseases during the quarter under review being 1,074 against 121 in the previous quarter.

4. Anthrax accounted for about 20 per cent. of the total mortality from disease. The mortality from the disease during the quarter under review exceeded that of the previous quarter by about 16 per cent. The disease continued to be as severe in Gódvári and nearly twice as severe in Chingleput as in the previous quarter.

5. The Superintendent, Civil Veterinary Department, has expressed no opinion as to the probability of so many as 1,410 deaths from variola vaccinea having occurred in Ganjam, that disease being known to be but seldom fatal. The Collector of Ganjam will be requested to enquire in Goomsur taluk and Suradá division where 446 and 869 deaths respectively from that disease are reported to have occurred, and report what characteristic symptoms in the deceased animals led to the diagnosis of the disease as variola vaccinea.

6. The Superintendent, Civil Veterinary Department, does not appear to have paid due attention to the remarks in B Ps., No. 168, dated 14th July 1896; No. 28, dated 18th February 1896; No. 309, dated 3rd October 1895. He is requested to see that the instructions therein contained are complied with in the future.

7. The number of deaths from unspecified diseases has been remarkably high for

District.	Deaths from unspecified diseases.	Percentage on total mortality in the district.
Kistna ..	918	44.6
Kurnool ..	1,475	37.2
Bellary ..	715	60.6
Anantapur ..	1,296	41.0
Cuddapah ..	941	41.3
Nellore ..	990	45.1

some time past in several districts, and during the quarter under report the number returned under this head is especially noticeable in the case of the six districts named in the margin, where more than one-third of the deaths returned, were unaccounted for. The Collectors of the districts named will be requested to make enquiries in half a dozen selected villages and report the local names of the most important diseases which are shown

in column 12 of the village cattle mortality registers to have contributed to such mortality giving the number of deaths due to each of such diseases.

8. The deaths due to causes other than disease accounted for 8.7 per cent. of the total mortality. Of the deaths due to such causes, 81.5 per cent. were the result of attacks by wild animals. The total number of cattle killed in the Presidency by wild animals was 2,868 and of this number 1,758 or 61.3 per cent. were contributed by Coimbatore, Malabar and South Canara.

9. There were 60 deaths among horses and ponies, 27 due to disease, one was killed by a snake and 32 by wild animals. Nearly two-thirds of the mortality from wild animals among horses and ponies occurred in Kurnool, Bellary and Nilgiris.

Kurnool ..	..	November and December.
Cuddapah ..	..	December.
Chingleput ..	..	October.
Trichinopoly ..	..	Do.
Tanjore ..	..	November.

10. The Collectors of the districts noted in the margin are requested to expedite the submission of their reports on the cases of criminal poisoning that appeared in the returns for the months noted against their districts.

(True Copy and Extract.)

Famine Secretary. 2/5

To all Collectors, except Madras.

" the Superintendent, Civil Veterinary Department.

Copy to the Secretary to Government, Revenue Department.

" the Inspector-General, Civil Veterinary Department.

" the Sanitary Commissioner.

End A. F. Eccleston.

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