

Revenue (1897) Department.

MISCELLANEOUS SERIES.

G.O., No. 1587.

DATED 24th March '97

[Despatch Abstract.]

Recording R.P. recording with remarks
Civil Vet. & Supt's review of the returns
of cattle mortality for the qtr ending 30-9-96

BACK PAPERS.

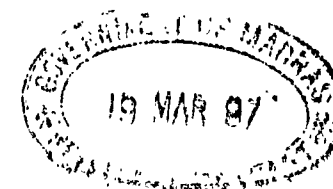
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Revenue (1897) Department.

CURRENT No. 2495.



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Order wise. No. 15874. 24th March 97.

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21.3.97

11/24/97

From Board of Revenue
(Revenue Settlement and
Records and Agriculture)
Madras.

No. 180

Dated 2nd March 1897.

Received 19th

Registered 19th

Enclosures

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SUBJECT.

Cattle mortality — Recording
with remarks, Civil Veteri-
nary Superintendents' re-
view of the returns of —
for the quarter ending 30th
September 1896.

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BACK PAPERS.

G.O.	No.	Department.	Date.

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G.O.	No.	Department.	Date.

REVENUE DEPARTMENT.

1897.

Board of Revenue

(Revenue Settlement, Land Records and Agriculture),

MADRAS.

Printed March th.

Proceedings, 2nd March 1897, No. 180.

MARCH.

Cattle mortality.—Recording, with remarks, Civil Veterinary Superintendent's review of the returns of — for the quarter ending 30th September 1896.

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

READ—the following letter from Veterinary-Lieutenant A. E. CLARKE, Superintendent, Civil Veterinary Department, to the Secretary to the Commissioner of R.S., L.R. and Agri., dated Chepauk, 20th January 1897, No. 69:—

With reference to B.P., dated the 16th December 1896, Routine No. 1903, I have the honour to submit herewith a review of the cattle mortality reported in the Madras Presidency for the quarter ending 30th September 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 are compared with the mortality reported during the preceding quarter and the corresponding quarter of the previous year:—

Causes of death.	During the quarter ending 30th September 1895.		During the quarter ending 30th June 1896.		During the quarter ending 30th September 1896.	
	Cattle.	Horses and ponies.	Cattle.	Horses and ponies.	Cattle.	Horses and ponies.
Diseases.	No.	No.	No.	No.	No.	No.
Rinderpest	4,175	..	10,550	..	9,521	..
Diarrhoea and dysentery	2,370	29	2,654	10	3,860	2
Anthrax	5,794	8	3,954	1	6,136	4
Epizootic aptha	932	..	665	..	442	..
Variola	752	..	251	..	567	..
All other causes	11,128	63	7,334	27	9,882	47
Total ..	25,151	95	25,408	38	30,208	53
Other causes.						
Snake-bite	830	1	859	1	570	..
Wild animals	2,920	30	1,831	18	2,637	25
Criminal poisoning	4	..	5	..	6	..
Total ..	3,754	31	2,195	19	3,212	25
Grand Total ..	28,905	126	27,603	57	33,420	78

3. The total number of deaths among cattle was 5,817 and 4,515 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 decreased by 23 and increased by 6,636 as compared with that of the preceding quarter and the corresponding quarter of the previous year, respectively. Excepting Chingleput, which returned 2,139 deaths from these diseases, Bellary and Anantapur have returned the highest figures (2,491 and 2,045, respectively) during the quarter under review as they did during the previous three quarters, but the mortality that was continually increasing in the two districts during the past five quarters (*vide* the tabular statement in paragraph 4 of my last quarterly review embodied in B.P., dated 13th October 1896, No. 272) showed a decrease in this quarter. In Chingleput

district, Conjeeveram and Madurantakam taluks suffered the greatest loss; Alur and Kudligi taluks in Bellary district, Gooty, Kalyandrug and Anantapur taluks in Anantapur district, Pattikonda, Ramallakot and Nandikotkur taluks in Kurnool district and Pullampet and Sidhout taluks in Cuddapah district suffered most.

Next to the three districts above referred to, Kurnool and Cuddapah reported the highest mortality 1,719 and 1,262, respectively, while Madura, Tinnevely, Coimbatore, Trichinopoly and Salem returned the lowest figures 65, 57, 50, 46 and 7, respectively, and Nilgiris *nil*.

5. *Anthrax.*—The total loss under this head was 2,182 and 342 more than that in the preceding quarter and the corresponding quarter of the previous year, respectively. Gódvári returned not only the highest mortality as it did in the last quarter, but a higher figure (1,818) than that (968) in the last quarter. Chingleput reported the next highest mortality (1,132), of which Madurantakam taluk contributed the greatest portion.

6. *Epizootic aptha.*—The total number of deaths from this disease decreased by 223 and 490 as compared with that in the preceding quarter and the corresponding quarter of the previous year, respectively. Excepting Nellore (which has reported *nil* during the preceding two quarters) and Salem, all the other districts have reported deaths under this head, Gódvári and Chingleput reporting the highest figures (103 and 84) and Trichinopoly, Tinnevely, Nilgiris and North Arcot returning 2, 3, 3 and 4 deaths, respectively.

7. *Variola vaccinea.*—The total loss under this head was 316 more and 185 less than that in the preceding quarter and the corresponding quarter of the previous year. Kistna (212), Ganjam (121), Chingleput (72) and Cuddapah (52) reported the highest figures, while Nellore, Salem, Trichinopoly and Tanjore reported one each, and Kurnool, South Arcot, North Arcot, Tinnevely, Nilgiris and Malabar returned *nil*.

8. *All other diseases.*—The total loss under this head was 2,548 more and 1,246 less than that in the preceding quarter and the corresponding quarter of the previous year. The subjoined tabular statement shows the districts which have been reporting for a considerable time a large number of deaths under this head:—

Quarter ending	Districts.					
	Bellary.	Anantapur.	Cuddapah.	Kurnool.	Kistna.	Gódvári.
	No.	No.	No.	No.	No.	No.
30th June 1895	556	682	475	1,158	691	661
September 1895	918	1,069	776	1,517	646	2,316
31st December	794	929	567	1,207	1,160	1,814
March 1896	802	702	247	696	445	763
30th June	637	766	254	914	1,291	776
September 1896	652	911	774	1,269	1,289	663

Stock Inspectors, V. Sithamber Devoo and K. Padmanabhaya, have not yet completed their enquiry into the causes of heavy mortality reported under this head in the above districts. In addition to the districts mentioned in the above statement, Chingleput (which returned 1,174 deaths out of 4,601 due to disease) and Coimbatore (959 out of 1,141 due to disease) reported highest figures. From a report of the Head-quarters Stock Inspector, V. P. Subramanya Mudaliyar, (who was engaged in the investigation of outbreaks of epizootics in Chingleput district during August and September 1896) received through the Collector of Chingleput, it is seen that a good number of deaths due to rinderpest were entered under this head as the Tamil name of the disease printed in the cattle mortality register forms was not the local name of the disease. Out of a total of 1,141 deaths due to disease in Coimbatore district, 959 (84 per cent.) have been entered under this head, and of these, it is to be noted that 562 (49 per cent.) have been reported by Coimbatore taluk alone. The Stock Inspector of Coimbatore Circle has been directed to inquire into the causes of such a heavy mortality in the above taluk.

9. *Horses and Ponies*.—Under this head, 53 deaths are reported during the quarter as against 38 in the preceding and 95 in the corresponding one of the previous year, and 2 of these are entered under "Diarrhoea and Dysentery," 4 under "Anthrax" and the rest (47) under "All other diseases." Of these 47 deaths, Anantapur contributed 15, Gódvári 10 and Kistna and Chingleput 5 each. Out of a total of 53 deaths due to disease, 47 deaths have been entered under "All other diseases." Probably a good portion of this 47 was due to some specified diseases, especially in Anantapur and Gódvári.

10. *Other causes*.—The total loss under this head was 3,212 among cattle, 25 among horses and ponies against 2,195 and 19 in the preceding quarter and 3,754 and 31 of the corresponding quarter of the previous year.

11. The total loss caused by disease and other causes among all live-stock was 33,498 and 27,660 and 29,031 of the preceding quarter and the corresponding quarter of the previous year, respectively.

12. *Criminal Poisoning*.—Altogether five cases were reported, one from each of Kistna, Kurnool, Nellore, Coimbatore and Tanjore. In the case of Tanjore, no punishment was awarded to the accused from want of evidence. The results of other four cases have not yet been reported.

RESOLUTION—dated 2nd March 1897, No. 180.

Recorded.

2. The number of deaths among cattle during the quarter under review is (nearly 7 per cent.) higher than has been recorded in any quarter since March 1894 as shown below, and nearly 10 per cent. higher, so far as the mortality from disease alone is concerned; the maximum of mortality between March 1894 and July 1896 having been recorded for the quarter ended September 1894:—

Quarters ending				Deaths		
				From disease.	From other causes.	Total.
				NO.	NO.	NO.
June 1894	..	..	..	16,857	2,749	19,606
September 1894	..	..	..	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

3. The increased mortality was chiefly owing to the prevalence of disease in the Deccan districts, Kistna, Gódvári and Chingleput, about 74·2 per cent. of the total mortality from disease in the whole Presidency being contributed by these districts, of which Chingleput alone accounted for 15·2 per cent., the four Deccan districts for 39 per cent., and Gódvári and Kistna together for 18 per cent. The mortality in Chingleput during the quarter under review exceeded by five times that reported from that district for the preceding quarter and the corresponding quarter of the previous year.

4. Rinderpest and diarrhoea and dysentery with which rinderpest, is often confounded, contributed 43 per cent. of the total mortality from disease, of which 24 per cent. occurred in the Deccan districts alone. In Chingleput, where the mortality was highest, many deaths due to rinderpest were entered under the head "All other diseases," owing to the fact that the vernacular name for rinderpest printed in the cattle mortality register forms was not a local name. The Tamil name for rinderpest

in the majority of Tamil districts being "Vekkai," this word will be added in the cattle mortality register forms as a synonym to "Vishajuram" which is rarely used. The Superintendent should report whether he has already brought this error to the notice of the Collector. Twenty per cent. of the total mortality from disease was attributed to anthrax, of which nearly 10 per cent. was accounted for by the districts of Gódvári and Chingleput.

5. The number of deaths from unspecified diseases reported in Kistna, Kurnool, Chingleput and Coimbatore was large, varying from 959 in Coimbatore (of which 59 per cent. were reported from the Coimbatore taluk alone) to 1,389 in Kistna. The heavy mortality under the head "Other diseases" in Chingleput district has been found to be due, for the most part, as stated above, to rinderpest. The Superintendent, Civil Veterinary Department, is requested to report as early as possible the results of the investigation made elsewhere in this matter.

6. Deaths among horses and ponies have been increasing since March last. The Collector of Anantapur has reported a death under "Variola" in the return for July 1896 though horses and ponies are not liable to this disease—*vide* annual report of the Superintendent, Civil Veterinary Department, communicated with B.P., dated 26th August 1895, Mis. No. 4546. The error has been corrected and the death included under "Other causes." The Collector should alter his office copy accordingly.

7. The Collectors of the marginally-noted districts are requested to expedite their reports on the cases of criminal poisoning that appeared in their returns for the months noted against each district.

Kistna—July.
Kurnool—August.
Nellore—September.
Coimbatore—July.

8. The figures given in the body of the Superintendent's review and in the cattle mortality statement appended thereto have been altered in accordance with supplemental returns for July and August received from Ganjám and with reference to the revised figures received from Gódvári, Anantapur and Salem. The Superintendent is requested to correct his office copy of the review accordingly.

(True Copy and Extract.)

R. D. Srinivasan
Secretary.

To all Collectors, except Madras.
" the Superintendent, Civil Veterinary Department.
Copy to the Secretary to Government, Revenue Department.
" " Inspector-General, Civil Veterinary Department.
" " Sanitary Commissioner.

APPENDIX I.
Statistics of mortality among cattle in the Madras Presidency during the quarter ending 30th September 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 aptha.	Varicella.	All other causes.	Total.	Snake-bite.	Wild animals.	Criminal poisoning.	Total.
1. Ganjām ..	306	457	80	44	121	165	1,173	9	49	..	58
2. Vizagapatam ..	42	29	124	13	7	104	339	18	19	..	37
3. Godavari ..	538	239	1,818	103	38	663	3,399	78	98	..	171
4. Kistna ..	36	203	426	14	212	1,389	2,280	29	50	1	80
5. Kurnool ..	1,474	245	184	28	..	1,269	3,200	13	102	..	116
6. Bellary ..	2,307	184	262	30	8	652	3,443	6	41	..	47
7. Anantapur ..	1,926	119	69	8	15	911	3,048	2	49	..	3490
8. Cuddapah ..	1,116	146	273	7	52	774	2,368	18	168	..	678,716
9. Nellore ..	234	162	222	84	72	605	1,244	11	12	1	1,022,328
10. Chingleput ..	820	1,319	1,132	..	..	1,174	4,601	125	8	..	649,718
11. South Arcot ..	25	101	100	11	..	176	412	28	42	..	1,182,069
12. North Arcot ..	39	82	485	4	..	15	626	58	183	..	483
13. Salem ..	1	6	19	..	1	81	108	6	47	..	241
14. Coimbatore ..	13	37	106	20	6	959	1,441	11	236	1	53
15. Trichinopoly ..	11	35	106	2	1	96	250	6	16	..	238
16. Tanjore ..	97	65	364	13	1	324	864	33	6	1	904
17. Madura ..	30	35	135	14	24	225	463	19	54	..	721,448
18. Tinnevely ..	31	26	40	8	..	50	160	23	2	..	175
19. Nilgiris ..	..	..	..	3	..	1	4	1	97	..	36
20. Malabar ..	31	125	21	30	..	73	280	33	518	..	581
21. South Canara ..	111	27	5	9	4	95	251	2	765	..	767
Total ..	9,183	3,642	5,971	440	663	9,800	29,604	529	2,557	5	3,091
In Zamindaries.											
Vizagapatam ..	32	13	62	1	4	56	168	15	4	..	19
Kistna ..	..	..	..	..	..	..	..	2	..	..	2
Bellary ..	54	..	2	..	..	25	82	1	26	..	109
Nellore ..	247	5	101	..	..	1	354	23	50	..	73
North Arcot ..	..	..	..	..	..	..	..	..	..	..	..
Total ..	333	18	165	2	4	82	604	41	80	..	121
Grand Total ..	9,521	3,660	6,136	442	667	9,882	30,208	570	2,637	5	3,212
											33,420

APPENDIX II.

STATISTICS of mortality among horses and ponies in the Madras Presidency during the quarter ending 30th September 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-A ₄
2. Vizagapatam ..	..	..	..	..	..	..	..	..	..	163
3. Godavari ..	1	2	10	13	..	..	..	..	..	2,349-A ₄
4. Kistna ..	..	..	5	5	..	..	..	..	..	3,827-A ₄
5. Kurnool ..	..	..	1	1	..	..	..	..	..	2,798
6. Bellary ..	1	1	3	4	..	..	..	..	..	3,727
7. Anantapur ..	..	2	15	17	..	..	..	..	..	3,353
8. Cuddapah ..	..	..	2	2	..	..	..	..	..	2,064
9. Nellore ..	..	..	5	5	..	..	..	..	..	973
10. Chingleput ..	..	..	..	..	..	..	..	..	..	944
11. South Arcot ..	..	..	..	..	..	..	..	..	..	2,685
12. North Arcot ..	..	..	..	..	..	..	..	..	..	2,087-A ₄
13. Salem ..	..	..	1	1	..	..	..	..	..	6,300
14. Coimbatore ..	..	..	1	1	..	..	..	..	..	4,931
15. Trichinopoly ..	..	..	..	..	..	..	..	..	..	772
16. Tanjore ..	..	..	2	2	..	..	..	..	..	1,308
17. Madura ..	..	..	..	..	..	..	..	..	..	2,190
18. Tinnevely ..	..	..	..	..	..	6	..	..	..	612
19. Nilgiris ..	..	..	..	..	..	..	..	..	..	1,389
20. Malabar ..	..	..	..	..	..	..	..	..	..	885
21. South Canara ..	..	..	..	..	..	..	..	..	..	193
Total ..	2	4	47	53	..	24	..	24	77	..
In Zamindaries.										
Vizagapatam ..	..	..	..	..	..	..	..	..	..	Not available.
Kistna ..	..	..	..	..	..	1	..	1	1	..
Bellary ..	..	..	..	..	..	..	..	..	..	..
Nellore ..	..	..	..	..	..	..	..	..	..	..
North Arcot ..	..	..	..	..	..	1	..	1	1	..
Total ..	..	..	..	..	..	25	..	25	78	..
Grand Total ..	2	4	47	53	..	25	..	25	78	..

• One of which is wrongly entered under "variola" in Collector's statement.

APPENDIX III.

CASES of criminal poisoning of cattle during the quarter ending 30th September 1896.

Districts.	Month.	Number of cases.	Particulars.
Kistna ..	July ..	1	Accused not punished for want of evidence.
Kurnool ..	August ..	1	
Nellore ..	September ..	1	
Coimbatore ..	July ..	1	
Tanjore ..	September ..	1	
Total ..		5	

Exd. P. Seetharam.

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