Local & Munl. (1898) Department.

MISCELLANEOUS.

G.O., No. 1876 M.

DATED 4-11-98

INDEXED. DESPATCHED

[Despatch Abstract.]

Sanitation – Recording with remark the Sanitary commissioner's report on the epidemic of cholera which broke out in the Trichinop municipality between 12th August 1897 & 23rd July 1898.

BACK PAPERS.

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

FURTHER PAPERS.

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

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ocal & Munl. (1898) Department.

CURRENT No. 3279 M

UNDER SECY TO GOVT
21 OCT 98

Misc

Order No. 1876 Mun / 4/11/98

Recorded.

2. The attention of the Municipal Council is drawn to the remarks of the Sanitary Commissioner in para. 2 of his endorsement.

KR
1/11/98

ak
2/11/98

From The Sanitary Commissioner for Madras

No. 2388/S.

Dated 21st October 1898.

Received

Registered

Enclosures Five

Spare copies.

SUBJECT.

Forwarding report on the
demics of Cholera whic
curred in the Trichino
Municipality between 1
August 1897 and 23rd Ju

To
The Chairman, M.C. Trichinopoly } Pmd
thro' the Collector }
" Sanitary Commissioner Pro

6/11/98

2/11

KR
27/10/98

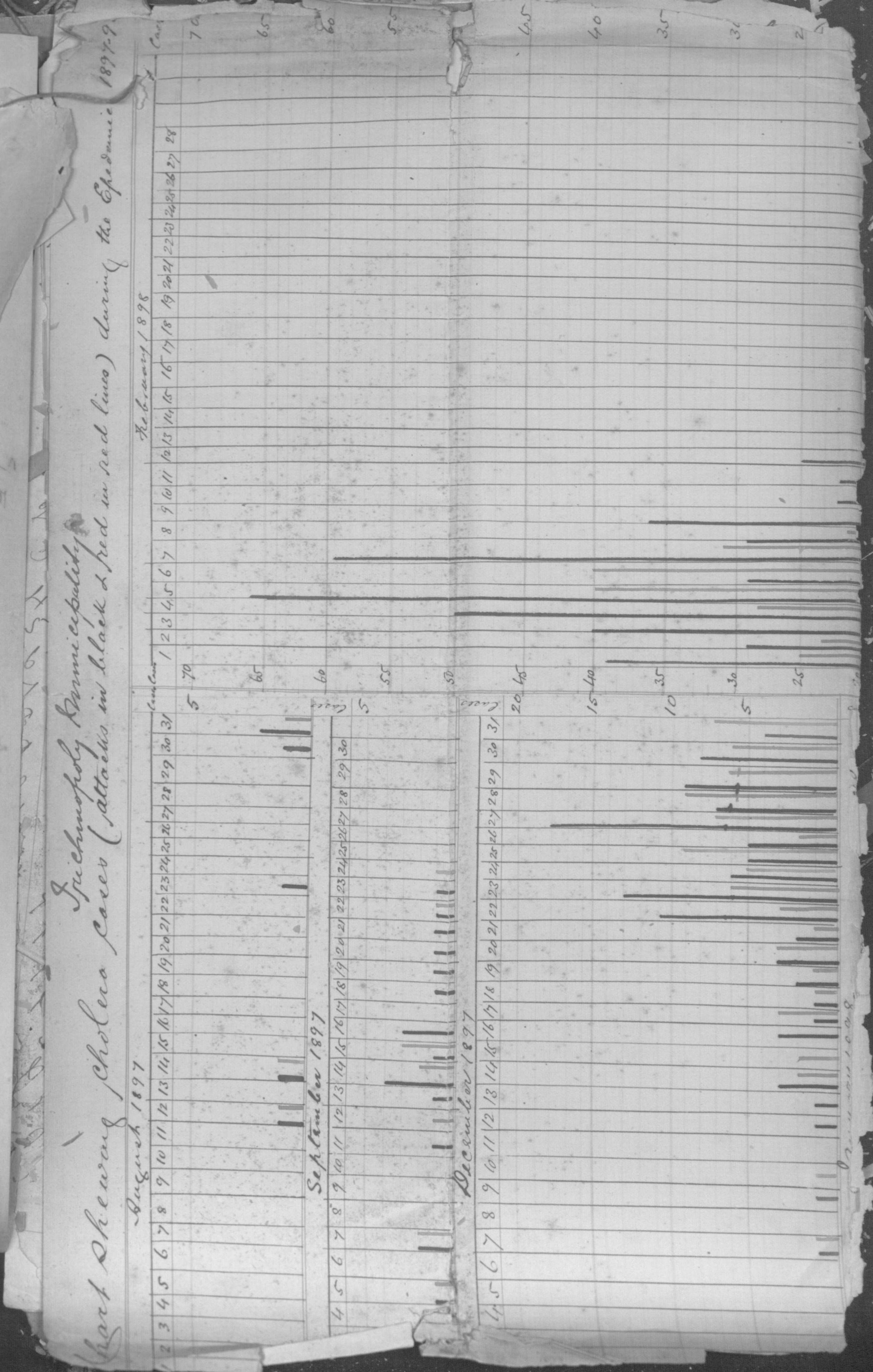
1/11

BACK PAPERS.

G.O.	No.	Department.	Date.
Jo	842	L.	2-5
„	1536	Do	9-9

FURTHER PAPERS.

G.O.	No.	Department.	Date.



Trichinopoly Municipality

Chart showing cholera cases (attacks in black & red in red lines) during the Epidemic 1897-9

Trichinopoly Municipality

f the Inspectors, employed during the Epi

Qualification

rtificated Sanitary Inspector
rience as circle Inspector
Do
ed Sanitary Inspector. Selected from the permanent
tificated Sanitary Inspector
sioned draftsman
fe Sanitary Inspector
ined Sanitary Inspector. Selected from the perm
e Sanitary Inspector.
read and write
tificated Sanitary Inspector
Do
read & write
tificated Sanitary Inspector
ead & write Do
Do Do
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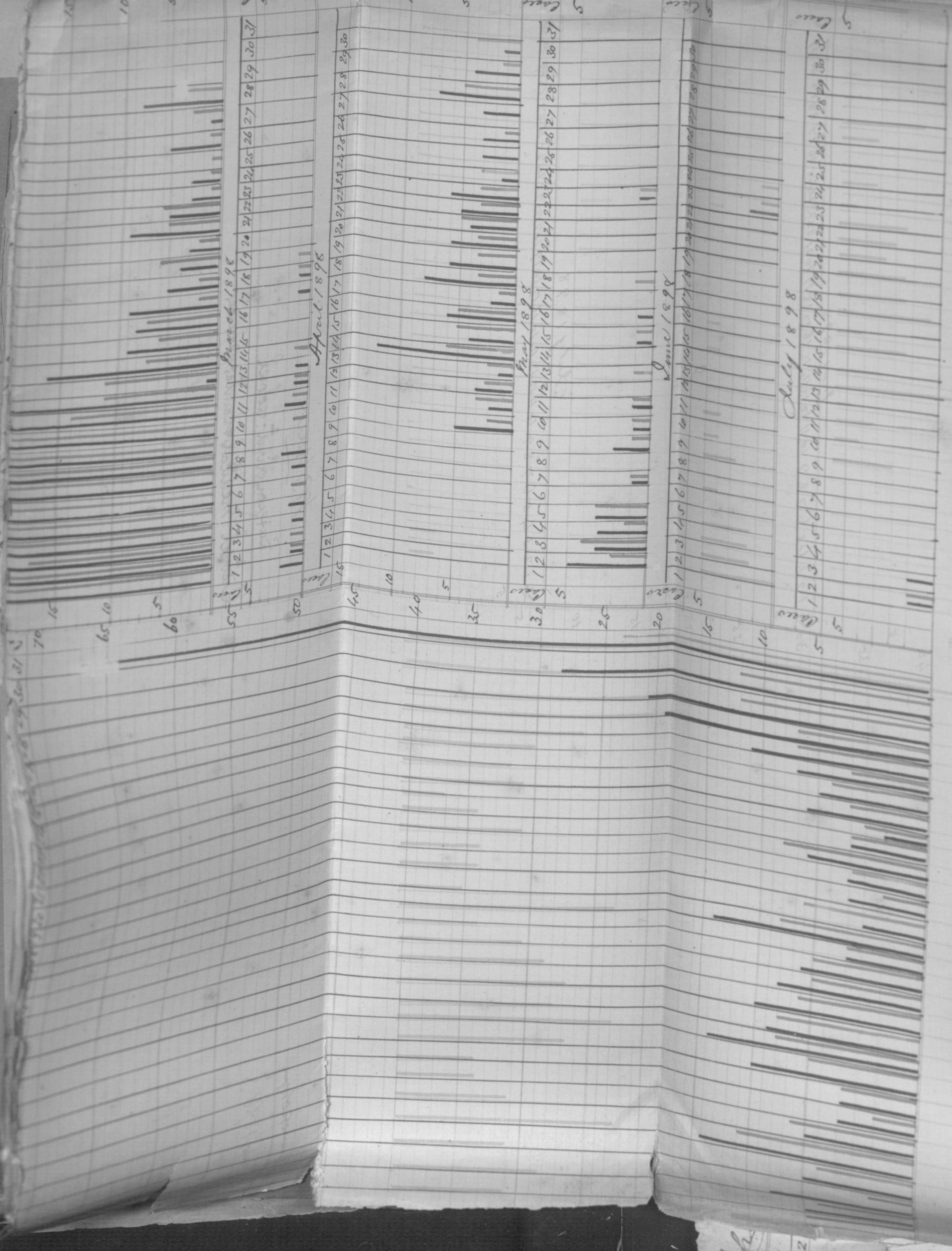
Do Do
Do Do
Do Do
Do Do
Do Do
Do Do
Town Surveyor
oned draftsman and a late Sanitary Inspector
ead and write
oned draftsman

Trichinopoly Municipality

acks and deaths from cholera with source of

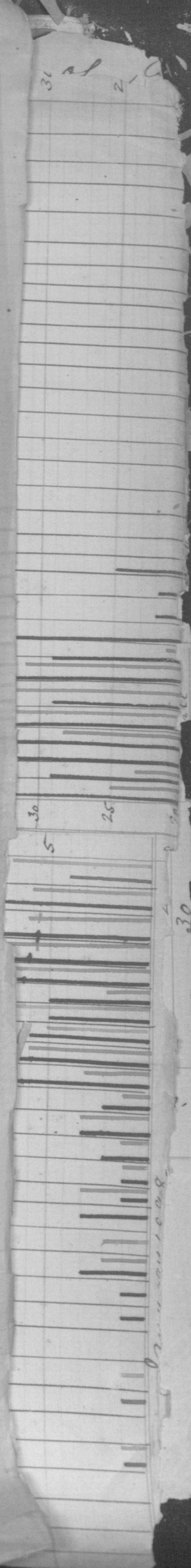
with dates of 1st and last cases and also percentage

er for drinking purpose														Nature of Treatment														Caste																
Well				Unknown				Grand Total						English				Native				Grand Total						European				Eurasian				Hindu				Mahomedan				
Attacks		Deaths		Attacks		Deaths		Attacks			Deaths			Attacks		Deaths		Attacks		Deaths		Attacks			Deaths			Attacks		Deaths		Attacks		Deaths		Attacks		Deaths		Attacks		Deaths		
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total	Male	Female	Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total	Male	Female	Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
3	5	3	4	35	18	24	13	522	588	1110	352	365	717	134	139	75	67	388	449	277	298	522	588	1110	352	365	717	1	1	1	"	9	10	4	7	338	395	239	249	76	65	50	41	98
57.50				69.81				64.59						52.01				68.69				64.59						50.00				57.89				66.57				64.53				5



Surgeon Lieut: Colonel
District Medical & Sanitary officer

…ichinopoly
31st July 1898



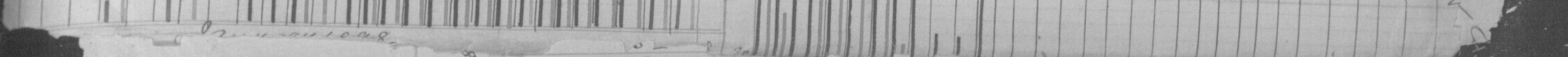
4
8279/M/98

of drinking water, nature of treatment, caste
during 1897-98.

		Female	117	8.60
Others Castes	Deaths	Male	58	
		Female	68	
Grand Total	Attacks	Male	522	64.59
		Female	588	
		Total	1110	
	Deaths	Male	352	
		Female	365	
		Total	717	
Number of Imported Cases	Attacks	Male	45	80.28
		Female	26	
		Total	71	
	Deaths	Male	36	
		Female	21	
		Total	57	
Cases reported after death.		Male	132	-
		Female	124	
		Total	256	
Cases reported from Military Forces	Attacks	Male	7	85.71
		Female	-	
		Total	7	
	Deaths	Male	6	
		Female	-	
		Total	6	

Names of Circles	Attacks				Deaths				Dates of	
	Male	Female	Total	Percentage	Male	Female	Total	Percentage	1st Case	Last Case
1	61	58	119	1.19	37	34	71	59.60	11.9.97	5.5.98
2	39	37	76	.96	25	20	45	59.21	7.12.97	8.5.98
3	81	100	181	1.32	64	74	138	76.24	12.8.97	23.5.98
4	50	50	100	.91	34	31	65	65.00	16.9.97	14.5.98
5	46	66	112	1.00	34	36	70	62.50	5.9.97	2.7.98
6	89	115	204	1.23	60	73	133	65.19	30.8.97	2.7.98
7	46	41	87	.96	34	26	60	68.96	14.8.97	23.6.98
8	76	105	181	1.57	42	57	99	54.69	14.9.97	4.5.98
In-Patients	34	16	50		22	14	36			
Total	522	588	1110	9.14	352	365	717	511.39		

W. O'Hara
Surgeon Lieut: Colonel
District Medical & Sanitary Officer



demic of cholera in 1897-98.

t establishment.

manent establishment

Date	
From	To
16. 12. 97	3. 3. 98.
18. 1. 98	27. 3. 98
{18. 1. 98	6. 4. 98}
{16. 4. 98	8. 6. 98}
4. 3. 98	6. 4. 98
{16. 4. 98	8. 6. 98}
{2. 7. 98	23. 7. 98}
14. 12. 97	27. 3. 98
{19. 12. 97	6. 4. 98}
{2. 7. 98	23. 7. 98}
20. 12. 97	3. 3. 98.
{14. 12. 97	6. 4. 98}
{12. 4. 98	8. 6. 98}
{2. 7. 98	23. 7. 98}
23. 12. 97	27. 3. 98
22. 12. 97	31. 12. 97
22. 12. 97	28. 12. 97
{22. 12. 97	6. 4. 98}
{15. 4. 98	8. 6. 98}
{2. 7. 98	23. 7. 98}
29 — 12 — 97	31 — 12. 97
3. 1. 98	17. 1. 98
{16. 1. 98	17. 1. 98}
{11. 4. 98	15. 4. 98}
18. 1. 98	6. 4. 98
Do	Do
{4. 3. 98	27. 3. 98}
{2. 7. 98	23. 7. 98}
16. 4. 98	8. 6. 98
Do	Do
Do	Do
Do	Do
2. 7. 98	23. 7. 98
Do	Do
Do	Do
Do	Do

W. O'Hara Surgeon Lieut: Colonel
District Medical & Sanitary Officer

3
3279/m/98

Statement Shewing total Number of

and number of Cases in each

otal umber of						Number of cases treated in the												Grand Total Number of						Sources of w														
Attacks			Deaths			Municipal Hospital						Isolation Sheds						Attacks			Deaths			Pipe				Channel				Tank				River		
						Attacks			Deaths			Attacks			Deaths									Attacks		Deaths		Attacks		Deaths		Attacks		Deaths		Attacks		
Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
	572	1060	330	351	681	9	3	12	2	3	5	25	13	38	20	11	31	522	588	1110	352	365	717	79	94	53	51	285	306	181	186	79	113	61	77	41	52	30
64·24						41·66						81·58						64·59						60·11				62·09				71·82				68·		

Trichinopoly
31st July 1898

Statement shewing the qualification

	Names	Designation	
	A. Retnaswamy Pillai	Divisional Inspector	is a l
	Mr A. A. Gotting	Do	had ex
	Mr A. Shattleton	Do	Do
	T. C. Sadasiwaswamy Pillai	Do	is a tran
	T. S. Gopalaswamy Naidu	Do	is a cer
	Mr T. D. Sylvester.	Circle Inspector	is a pe
	T. Marudamuthu Pillai	Do	is a la
3	T. C. Sadasiwaswamy Pillai	Do	is a tra
4	S. Tulasee Naidu	Do	is a la
5	Mr G. Granger	Do	Knows to
6	T. S. Gopalaswamy Naidu	Do	is a C
7	Venkatarama Iyer	Do	Do
8	T. Venkatesh Bhutt	Do	Knows
9	Appadurai Iyer	Do	is a ce
10	Mr A. A. Gotting	Do	Knows to
11	Mr A. Shattleton	Do	
	Mr J. Domenzies	Do	
	K. Ramaswamy Iyer	Do	
	Narasimulu Moodaliar	Do	
	Mr J. Woodfall	Do	
	Mr J. G. Gloria	Do	
	Mr W. Wymes	Do	
	S. Ignitius Pillai	Do	
	M. Sanjeevi Pillai	Do	is a lat
	M. Manikkam Pillai	Do	is a pe
	A. C. Kuppuswamy Moodr.	Do	Knows
	T. N. Vasudevam Pillai	Do	is a pe

Trichi

richinopoly
31st July 1898.

From

The District Medical and Sanitary Officer
Trichinopoly

Rsd

H wo 26
News papers To

To

The Chairman, Municipal Council
Trichinopoly

Sir

I have the honor to forward a final report on the recent epidemics of Cholera which occurred in this Municipality between the 12th August 1897 and 23rd July 1898.

Cholera appeared in more or less a Sporadic form on the 12th August 1897, and Subsided on the 24th September 1897 with 28 attacks and 15 deaths. The history of the 1st case is as follows.

The patient named Appavoo Chetty, aged about 50 years, a tobacco merchant, who arrived here on the 1st August 1897 by train from Vadamadura, 12 miles from Dindigal, was attacked on the morning of the 12th August 1897, and died on the evening of the same date in Nadar Petai, Worayore 3rd circle. Cholera was said to be prevalent in the hamlet of Thogamalai Kottai of Vembur village about 13 miles distant from the patient's native place but there were no cases in Vedasendoor itself from where the patient came.

The

The disease again broke out in an epidemic form on the 7th December 1897 and continued till 18th March 1898 with a total number of 962 attacks, and 618 deaths. As there were no cases for 21 days from the above date, the temporary establishment organised for the prevention of cholera was discontinued on 7th April 1898. The case that occurred on the 7th December 1897 was in a Mohamedan boy named Hoolain Sheriff aged about 10 years. He came from Museri by train 15 days prior to his attack, and is said not to have gone subsequently to any place where cholera was prevalent. He was attacked in the morning, and died on the evening of the same day in Pensioner's Street, Thennore 2nd circle. Cholera was said to be prevalent near Museri, and in some of the villages of Kulitalai Taluq.

On the 10th April 1898 cholera was imported from the Palani festival in the Madura District by pilgrims some of whom went from this town, others who passed thro' it, and by others who halted here for a day or two to visit Srirangam and other Hindu temples. The number of such imported cases from 10th April 1898 to 23rd May 1898 was 31, of whom 26 died. The number of the permanent residents attacked was 85 with 55 deaths. Lastly after an interval of a month, the disease broke out in a comparatively mild form with

with

was supervised by 1st class Hospital Assistant Jo.

with 4 attacks and 3 deaths which continued up to 4th July 1898. 1st case appeared on 22nd June 1898 in a male, named Moo Pillai, aged 44 years, a cloth merchant, and a permanen resident of Varaganeri Nadu Street, 7th circle. He had been Illuppur, a village distant 30 miles from this town to attend marriage. The village is said to have been free from the disease for more than a month previously. He arrived on 20th June 1898, was attacked on the evening of 22nd June 1898 and died on the following morning.

Throughout the epidemic, the greatest attention was paid to the collection, disinfection and destruction by fire of all cholera evacuations. For carrying out these objects, carbolised saw-dust, commercial carbolic acid, and solutions of perchloride of mercury, and permanganate of potash, and kerosine oil (when necessary) were employed.

The people were advised by beat of tom tom, by the circle Inspectors, and Medical Subordinates to boil all water for drinking purposes.

Appendix A and B to G.O. No 1536 M. dated 9th September 1896 was translated into Tamil, and freely circulated to the public and posted in conspicuous places on the roadways &c. Four tanks in the town were conserved for drinking purposes, when pipe water partially failed, 8 more watchmen were

were

were entertained to prevent pollution of the water of other tanks and channels.

The following tanks and wells were disinfected by Permanganate of Potash according to the Scale given in the minutes of Sanitary Commissioner Madras.

Ourkulam.
Beerangi tank.
Mappilai Naik's tank.
Koil Street well (8th circle).
8th Circle Market well.
Fort Slaughter House well.

Owing to Scarcity of water, and the temporary failure of the water works, it was found impracticable to adopt measures for baling out water from tanks reserved. Before the water from tanks was used for drinking purposes, the tanks were flushed by fresh water let in from the river channel - Wyakondan.

A Central washing depôt was Started from the commencement of the epidemic to disinfect, boil, and wash Cholera Soiled clothing which was Sent (after disinfection) in tarred Kerosine oil tins under cover from the different circles. The work

was

was Supervised by 1st class Hospital Assistant J
Yesudasen, and was checked by myself, and th
Assistant Surgeon. The receipts and issues of the
Sent by parties through the different circle Inspe
for disinfection and washing were checked by the
Medical Subordinates and Divisional Inspectors
There were no complaints regarding loss or inju
to clothes.

There were in all 1,110 attacks wi
717 deaths; Of these, 50 were treated as In-patien
both in the Municipal Hospital and Isolation Sh
with 36 deaths. In the commencement of the epidemi
cases were treated in the Municipal Hospital Shed
On 1st January 1898, Isolation Sheds were built o
the eastern Side of the eastern Boulevard road whe
patients were received and treated up to 9th April 1

A Small hand bill in Tamil (Copy
enclosed) was circulated to the public, especially to
native hakims, explaining fully the existence and
nature of cholera microbes and the danger ~~occurred~~ caused
by cholera dejecta being carelessly Scattered in th
backyards of houses &c - also asking that early intimati
be given to circle Inspectors So as to ensure the
disinfection of all Cholera dejecta.

The dhobies were warned by beat of tom tom, and the circle, Divisional, and Sanitary Inspectors, and Medical Subordinates not to undertake the washing of cholera soiled clothing as there was a Special Depôt for the purpose maintained by the Municipality.

The annexed list shows the names and qualifications of the Divisional and circle Inspectors.

Two brahmin certificated Sanitary Inspectors engaged as circle Inspectors did not acquit themselves well, but left their posts on the plea of some relatives' illness. T. S. Gopalasamy Naidoo who passed his intermediate test in Hygiene was appointed as circle Inspector of 3rd circle in place of Certificated Sanitary Inspector Appadurai Iyer resigned, and he did his duty to my satisfaction. He left for Madras on 31st December 1897 for the practical course, and on his return, he was taken on as Divisional Inspector. The other Divisional Inspectors – though without training – had previous experience as circle Inspectors here. The circle Inspectors were prepared and trained for their work by the Chief Sanitary Inspector before being sent to their duties.

Medical

Medical Establishment.

Two 1st class Hospital Assistants
One 2nd do
Two 3rd do

1st class Hospital Assistant John Yesudasen was in general charge of the cholera establishment upto 1st February 1898 supervising the work of all circle and Divisional Inspectors in general, especially of 4", 5", 6", 7" and 8th circles.

1st class Hospital Assistant M. K. Bappoo Menon was in charge of the 3rd circle to attend on cases of cholera gratis, and to supervise the work of disinfection by the circle Inspector.

2nd class Hospital Assistant E. Duraswamy Naidu was appointed for the 7th and 8th circles. He attended on patients gratis, and supervised disinfection of infected houses. He took the place of 1st class Hospital Assistant John Yesudasen.

3rd class Hospital Assistant T. R. Kuppuswamy Pillai was in charge of the 1st and 2nd circles where he attended on patients reported to him by the circle Inspectors, and also supervised the disinfection.

3rd class Hospital Assistant O. Kuppusawmy Moodaliar was in charge of the Isolation Sheds on the eastern Boulivard Road.

The accompanying Statement will show the total number of cases with sources of drinking

water

Cl. Cur. Regr. No. 2016/Rev of 1898

were nature of treatment, caste and number of cases in

4. tams circle together with dates of 1st and last cases

each. I would desire to bring to your notice the excellent work done by 1st Cl Hospl Asst John Jesudasen

di while Chief Sanitary Inspector, and also the good work

S performed by his successor 2d Cl Hospl Asst Dorasamy

I have the honor to be
Sir
Your most obedient Servant
William O'Hara
Surgeon Lieut: Colonel
District Medical and Sanitary Officer

Office of Sanitary Commissioner with the Government of Madras
No. 2626.S.
16 AUG. 98

Treasury Deputy Collector
30 AUG. 1898
Trichinopoly.

Office of Sanitary Commissioner with the Government of Madras
No. 2947.S.
7 SEP. 98

Endt. C No 2061
15-8-98

~~Forwarded~~

H Naveenaitte
Secy M.C

Endt. C No 2061A
29-8-98

Forwarded to the Sanitary Commissioner, Madras through the Collector Trichinopoly

26-8-98 H Naveenaitte
Secretary M.C.

No. 1852/S

26-8-98

Returned for submission thro' the collector as required in No. 29 of the Rules published with G.O. No 1536 M d/9-9-96.

W. Lawson
Surg Major
Ag Sanitary Comr. for Madras.

Fort St George
25th Aug 1898

Endt. on Cur 2016/Rev of 98
Forwarded Desp 5/9/98

R H Shipley
Collector
2/9/98

Sanitary Commission

LOCAL & MUNICIPAL DEPT.
CURRENT No. 3279M

2388/S

Forwarded to Government.

The staff employed was short of the rescribed scale by 8 peons and 8 toties nd w.s not engaged in time.

5. The conduct of the Certificated Sanitary Inspectors brought to notice by the District Medical and Sanitary Officer of Trichinopoly has been duly noted in this office.

M. B., C. M., D.P.H.,
Lieut Colonel, I. M. S.,
Sanitary Commissioner for Madras.

Egmore,
21st October 1898.

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