Local & Munl. (1896)

PRINTED.

G.O., No. 1634 M

DATED 23rd Sept 1896

INDEXED.

[Despatch Abstract.]

Inspection Notes Recording, with remarks, Sanitary Commissioner's — on the Tanjore Municipality.

BACK PAPERS.

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

FURTHER PAPERS.

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

Government {1896} of Madras.

LOCAL AND MUNICIPAL.

A.S. Proof for approval.

Recd.
Regd.
} 1896.

Enclosures
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G.O., No. 1634 M., 23rd September 1896.

SEPTEMBER.

Inspection Notes.

Recording, with remarks, Sanitary Commissioner's — on the Tanjore Municipality.

Inspection Notes.

3. *Water-supply.*—(*a*) Since my last inspection, the new water-works have been opened and Tanjore is now in possession of an abundance of water. The inhabitants are slower than I anticipated in utilizing this source. The municipality up to date retains its watchmen upon the old tanks. Thence the majority of the people still draw their water for drinking purposes, reserving the town supply for inferior domestic purposes. On this matter I addressed the municipality at a special meeting. The Sanitary Board has also, in its proceedings, pointed out to the council the great responsibility it incurs in having sanctioned a public water-supply and yet failing to take steps so that its sanitary benefits shall be fully secured by the population by the simple course of shutting up sources which are contaminated in the most open and obvious manner. It is now, I conceive, clearly the duty of the council as men of "light and leading" to show by example and precept that they prefer the use of water not open to pollution. To this end all tanks and wells not required for religious observances should be permanently closed by mechanical means, and, as soon as funds are available, they should either be altered for ornamental purposes or be filled in. Until this matter is attended to it is impossible that Tanjore should be able to show any sanitary result by diminution of the mortality rate, in consequence of the large expenditure undergone on behalf of the water-supply. Practically, therefore, the town will have paid for a mere luxury, not a sanitary necessity.

(*b*) In my opinion, the council should endeavour to so extend the areas served by the placing of public taps that the excuse of distance to be travelled in order to secure water shall no longer be reasonable. There should then be erected suitable "dhobiekhanas" and "bathing platforms." In the one, the washing of clothing could be pursued by licensed dhobies on their own responsibility, the municipality merely providing the structure. On the platforms public bathing for both sexes could be effected in a cleanly and decent manner.

(*c*) Practically, no use of the water up to date is made for municipal purposes. Having secured a supply of water, the municipality should by slight extensions

Chairman's Remarks.

The water-works do not supply water to the whole of the municipality. Wherever the supply is to be had, the council is glad to note that people are using the water more and more freely. Great difficulty was experienced by the townspeople in getting water from the water-works during the hot season in spite of special arrangements made by the Chairman for drawing water to the filter bed, and until an unfailing supply is secured, the council is of opinion that it would be unwise to indiscriminately fill up the old sources of supply. The council will, however, remark that one tank of filthy water, namely, Sannasikulam, has been already closed and the council will cautiously proceed to take steps to close up other tanks and wells of a similar description whenever it can do so without inconvenience to the people.

A provision was made in this year's budget for erecting bathing platforms, but was disallowed by Government in view of a complete scheme being prepared for the utilization of the balance of money that is expected to remain out of the special fund set apart for the water-works. The suggestions of the Sanitary Commissioner on this subject will be duly considered at the time of submission of that scheme.

When there was a full supply of water available from the water-works, the public drains were flushed by turns about once a week, but recently, as the works failed to

Inspection Notes.

at suitable points attempt to *use it freely for the flushing of drains*, which in this respect at present are much neglected. The points at which these extensions should be made I pointed out in several instances to the chief sanitary inspector.

(*d*) In making extensions of "public fountains" or stand-posts, I would advise the municipality to use white enamel-glazed bricks, as the Portland cement surfaces of the present pattern readily become foul and greasy by the hands of drawers of water being placed against the walls for support. Those of the present pattern might, after careful cleansing, be usefully painted with white silicate paint and then be systematically washed, or ornamental glazed tiles might be inserted at the part against which persons support themselves. This little matter is a point of importance with respect to the ready cleansing of walls that may by touch of hands be polluted with disease germs that may in turn be conveyed to the water in chatties.

(*e*) There is evidently some mistake about the hours of working at the pumping station up to date. On Sundays, no water is pumped into the town! This is absurd, and is liable to render the whole arrangement of little sanitary value. The pumping should be as continuous as possible. Where repairs or the cleansing of pipes is necessary, it can rarely be requisite that water need be cut off from the whole town. As the works have been handed over by the Sanitary Engineer's department, this is apparently a matter for which the council is responsible.

(*f*) If the dangers of in-suction of impurities from the soil and air are to be prevented, it is essential that the pipes should only on urgent grounds be in an empty state. The Sanitary Engineer is fully alive to this necessity, and is about to advise the use of a service reservoir that will supply the town by gravitation by receipt of supply by pumping in excess of requirements during the day. This course is most advisable, and I trust will be adopted by the municipality.

4. *Sewerage.*—(*a*) I am glad to find that my remarks as to the unsatisfactory working of sewage-farming in Tanjore have been attended to by the council, and

Chairman's Remarks.

supply sufficient water for drinking and cooking purposes, the council has been obliged to discontinue the flushings. The council hopes to resume the work after the arrival of the freshes.

The suggestions about the advisability of using white enamel-glazed bricks in any extension of fountains that may hereafter take place will be attended to. Those suggestions are communicated to the water-works overseer in view to a provision being made for this item in any estimates that he may have to submit to the council. With regard to the existing fountains, water-works overseer will be called upon to submit an estimate for painting the cemented surfaces with white silicate paint.

The water is being supplied to the town on all days of the week and the pumping is continued as long as possible each day.

The suggestion with regard to keeping the pipes always filled with water is noted.

Inspection Notes.

ventilated. The sullage water, instead of being utilized, as it might usefully be, in aiding the cultivation of the patch of ground surrounding the slaughter-house, is led so as to swell the contents of a filthy pond. In the cistern meant for the detention of sullage water, but which apparently is not used, I found human fœcal matter.

7. *Markets*—(*a*) *Vegetable Market.*—The pillars have been duly cement-plastered, as advised in my former notes; they have not, however, been silicate-painted. This should now be done, with the object of presenting a surface on which the dirt can be readily seen and be removed. The floor is, however, still formed of irregular and worn brick. The whole should be cement-plastered. A drain should also be provided along the basement, so as to carry off washings.

(*b*) *Victoria Market.*—This place is in the same unsatisfactory state as last reported.

(*c*) *Cassai Kadai.*—These shops are permitted by the municipality under section 191. Within a few feet of the shops is a large "open space" latrine. Irrespective of air-borne microbes, it is unlikely that a day can pass without flies that have settled upon human excrement passing to the meat exposed for sale also. Further, the surface drainage from the latrine must pass through this neighbourhood. Either the latrine or the butchers' shops should be abolished without delay. If the latrine is retained, the municipality should have a well-ventilated, covered form, such as advised by Mr. Donaldson of Calcutta or the Madras Sanitary Board, and see that a toty is always on the spot provided with dry earth for deodorization.

(*d*) *Big Market, Fifth Ward.*—Notwithstanding the introduction of a public water-supply, the old arrangement of elevating water to an iron cistern, and thence distributing it by means of stand-posts within the market enclosure, still exists. This represents a waste of money. The public water-supply should be introduced and the iron tank and fittings be sold. I have no doubt there are other municipalities, not supplied with a public

Chairman's Remarks.

The council is taking steps to acquire the site of the fifth ward slaughter-house and when it is acquired will make the necessary improvements. In the meanwhile it is being regularly inspected and its cleanliness attended to.

The overseer is called upon to submit estimates for silicate painting the pillars of the vegetable market, and the Sanitary Commissioner is requested to favour the council with his opinion as to the advisability of paving the floor of the market with Cuddapah slabs in preference to cement-plastering. The drain for carrying off washings will soon be provided.

The council has leased out this market to a new contractor for three years with directions to effect certain improvements, and trusts that it will present a better appearance when the Sanitary Commissioner inspects next.

The council resolves that it is advisable to remove the butchers' stalls referred to by the Sanitary Commissioner. But before any action can be taken, a sub-committee consisting of M.R.Ry. Rathakrishna Nayudu Garu, M.R.Ry. S. M. Govinda Raoji and the Chairman will be requested to recommend a suitable place within the fort for locating the stalls.

The council contemplates the erection of a number of water-taps within the big market. The Sanitary Commissioner's suggestion with regard to markets will be duly attended to.

Inspection Notes.

water-supply system, which would willingly buy the useful outfit. A new cement-plastered pial has been made for the fish-sellers, but this is evidently too broad for the amount of fish likely to be brought for sale at one time. The result is that, to reach the little patches exposed for sale, the buyers themselves stand on the pial. This should not be allowed.

(*e*) The sanitary inspector had in the above markets apparently done his best to enforce order and discipline, but with very little result. Apparently, one peon is all that is allowed to look after the whole of the big market. Either some very stringent arrangement should be entered into with contractors so as to make them responsible for obedience to orders of the sanitary staff, or the municipality must themselves so increase the men at disposal for this duty as to ensure the maintenance of cleanliness and order. In both respects at the present time the condition of the markets is very far from good. The latrine at the corner of the market exists as formerly, in spite of remarks made by me in my notes for 1893 and by the Deputy Sanitary Commissioner in his notes for 1894. It is most desirable that this huge open latrine be abolished. Its position near an important market is sanitarily very erroneous. Stall-holders may require such convenience, but the provision of more than two or three seats need not be exceeded; even these should be kept under lock and key, so that the general public should not be allowed to resort to them.

8. *Bandy-stands.*—(*a*) The bandymett at the Victoria market is overgrown with vegetation. The well should be closed and the public water-supply be introduced in lieu.

(*b*) In the "big market" about 2,000 cubic feet of manure were found accumulated in the bandy-stand. Both for the safety of man and beast, daily complete removal should be insisted upon.

9. *Graveyard.*—This is in the same untidy condition hitherto noticed. A cremation shed should be erected to permit of cremation proceeding without delay or difficulty during the wet weather.

10. *Vaccination.*—From examination of children haphazard on the streets, vaccination seems to be fairly well conducted in this town. The municipality, however,

Chairman's Remarks.

A sub-committee consisting of M.R.Ry. Krishnasawmy Nayudu Garu, M.R.Ry. S. M. Govindu Raoji and the Chairman is requested to favour the council with proposals to rectify the defects in the pial in which the fish is sold.

The subject of keeping the market clean will receive due attention.

A sub-committee consisting of M.R.Ry. Rathakrishna Nayudu Garu, M.R.Ry. S. M. Govinda Raoji and M.R.Ry. S. A. Swaminada Sastrial is requested to make proposals for remedying the defects pointed out in respect of the latrine in the vegetable market.

The Victoria market bandy-stand will be improved by the present contractor, who, has promised to provide it with a water-tap.

The bandy-stand near the big market is now being kept clean, and under the vigilant supervision of the council the manure and rubbish deposited are being daily removed.

The overseer is directed to prepare plans and estimates to erect a tiled shed for purposes of cremation in the cremation ground.

The council resolves that it is undesirable to compel parents to take the vaccinated children to the vaccinators for inspection, but it will enforce the provisions of sections

Inspection Notes.

Chairman's Remarks.

been managed up to date of my inspection in a grossly erroneous manner. The fœcal matter was simply dumped upon the surface of the ground, and there left. I hear matters have since improved.

If the municipality can sell the product to neighbouring ryots, it would be well worth their while undertaking the making of poudrette after the manner pursued at Poona, of which a description will be found in the accompanying memorandum. If not, at least the night-soil should be buried in trenches, laid out with the utmost regularity, of a depth not exceeding 18 inches by 1½ inches broad, and of such length as may be found convenient. At regular intervals, footpaths and roads for passing night-soil carts should be formed. Burial under these circumstances should result in complete deodorization and resolution of the fœcal matter within six months. It would then simply represent rich soil, and if the ryots were so dead to their own interests as not to purchase it, the municipality could not do better than undertake the cultivation of the site and secure an object lesson as to the utility of the procedure.

The council is of opinion that the system of poudrette manufacture cannot at present be introduced in this municipality.

(*f*) Unless Tanjore is able to undertake, before paying off its present debt, a complete underground sewerage system, it will have to abide by the unsatisfactory method of transport of night-soil by carts. It would probably save expenditure in purchasing and maintaining the necessary plant for this object if the municipality adopt the Shone system for removal of excreta from the town. Under this mode, depôts at various points in the town would be formed at which pails containing the excreta from public and private latrines could be discharged into what is technically known as an "ejector." This ejector is in communication, on the one hand, with an iron main which extends to any point the municipality may elect for deposit of their night-soil, and, on the other, with a small pipe which is in communication with a central station. This small pipe contains air compressed so as to afford a pressure of 40 lb. on the square inch. On the ejector being sufficiently full the air would be allowed automatically to enter the ejector, and under its pressure the fœcal matter would at once be projected to the required spot—say, even two miles away. In this manner also the sewage of *neighbouring* houses

The Sanitary Commissioner is requested to give the council some idea of the probable cost of introducing Shone system.

16349 22/9/2

Inspection Notes.

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If the municipality can sell the product to neighbouring ryots, it would be well worth their while undertaking the making of poudrette after the manner pursued at Poona, of which a description will be found in the accompanying memorandum. If not, at least the night-soil should be buried in trenches, laid out with the utmost regularity, of a depth not exceeding 18 inches by 15 inches broad, and of such length as may be found convenient. At regular intervals, footpaths and roads for passing night-soil carts should be formed. Burial under these circumstances should result in complete deodorization and resolution of the fœcal matter within six months. It would then simply represent rich soil, and if the ryots were so dead to their own interests as not to purchase it, the municipality could not do better than undertake the cultivation of the site and secure an object lesson as to the utility of the procedure.

(*f*) Unless Tanjore is able to undertake, before paying off its present debt, a complete underground sewerage system, it will have to abide by the unsatisfactory method of transport of night-soil by carts. It would probably save expenditure in purchasing and maintaining the necessary plant for this object if the municipality adopt the Shone system for removal of excreta from the town. Under this mode, depôts at various points in the town would be formed at which pails containing the excreta from public and private latrines could be discharged into what is technically known as an "ejector." This ejector is in communication, on the one hand, with an iron main which extends to any point the municipality may elect for deposit of their night-soil, and, on the other, with a small pipe which is in communication with a central station. This small pipe contains air compressed so as to afford a pressure of 40 lb. on the square inch. On the ejector being sufficiently full the air would be allowed automatically to enter the ejector, and under its pressure the fœcal matter would at once be projected to the required spot—say, even two miles away. In this manner also the sewage of *neighbouring* houses

Chairman's Remarks.

The council is of opinion that the system of poudrette manufacture cannot at present be introduced in this municipality.

The Sanitary Commissioner is requested to give the council some idea of the probable cost of introducing Shone system.

Inspection Notes. Chairman's Remarks.

Causing the vaccinators to hunt for cases scattered over various parts of the town for verification is a useless waste of labour, which encourages falsification and prohibits the searching for undetected cases of non-vaccination. I consider the municipality would be well advised to insist upon parents producing their children for verification.

The following table shows the progress of vaccination during the last five years:—

—	1891.	1892.	1893.	1894.	1895.
Number vaccinated	1,374	1,557	2,967	2,132	1,933
,, ,, successfully	1,300	1,549	2,876	2,069	1,875
,, ,, under one year of age	271	279	437	381	328
Births	1,556	1,385	1,790	1,512	1,603

In the subjoined table the results of *infantile* vaccination are given:—

Total births during preceding five months, *i.e.*, from 1st January to 31st May 1895.	Number vaccinated.		Number vaccinated a second time because first operation proved unsuccessful.		Postponed on medical certificate.	Died.	Left the town.	Unaccounted for.	Ratio of successful operations to total births per cent.
	Successfully.	Unsuccessfully.	Successful.	Unsuccessful.					
667	222	..	[illegible]	..	116	182	137	10	33·2

11. *Registration.*—The following exhibits the results of registration during the last three years:—

Years.	Ratio of births per mille of census population.	Ratio of deaths per mille of census population.	Percentage of deaths from						Ratio of deaths of infants under one year of age per mille to registered births in the preceding year.	Ratio per mille of deaths of infants between one and five years of age to population of that age.
			Cholera.	Small-pox.	Fevers.	Dysentery and Diarrhœa.	Injuries.	Other causes.		
1893 ..	32·9	35·6	28·9	2·2	17·7	22·1	0·3	28·8	207·3	88·3
1894 ..	27·9	28·8	15·2	0·9	16·6	26·2	1·2	39·9	225·7	91·3
1895 ..	29·6	25·5	5·8	0·8	22·1	21·2	0·8	49·3	250·2	77·0

These figures show that the work of registration is being perfunctorily effected. I would therefore again direct attention to my circular, No. 398, dated 22nd February 1896, and its accompaniment. Taking, however, the statistics as they stand, they disclose an infantile mortality and death-rates from cholera and bowel-

[L. & M. 500—18-8-96.]

Local & Munl. (189) Department.

130

CURRENT No. 1685 M.

C Nos. 1685 & 2/23 M

N/PS.

Order No. 1634 M. D/ 23-9-96.

Recorded.

2. The Sanitary Commissioner's attention will be drawn to the Chairman's remarks on paras. 5(f) and 7(a) of the Inspection Notes

3. The steps which the Municipal Council proposes to take for improving the registration of vital statistics have not been reported. The omission should be supplied.

V.R. 7/9/96

WWS 21.9.96

Note. The return from o/o. of the papers put up with the Tanjore Admn. Report for 1895-96 was awaited.

To
The Chairman M.C. Tanjore
" Collector of Tanjore
" Sanitary Commissioner
" Sanitary Engineer
Editor's Table.
Despd. 12/10/96

Despr. Please send me a spare copy when despd. N.S. 23/9/96.

N.S.

From The Chairman M.C. Tanjore.

No. 875

Dated 5.6.96

Received 13.6.96

Registered

Enclosures

Spare copies

SUBJECT.

Submitting the inspection notes of the Sanitary Commissioner, with the remarks of the Municipal Council.

have paid for a mere luxury, not a sanitary necessity.

(b) In my opinion, the Council should endeavour to so extend the areas served by the placing of public taps that the excuse of distance to be travelled in order to secure water shall no longer be reasonable. There should then be erected suitable "dhobie-khanas", and "bathing platforms". In the one, the washing of clothing could be pursued by licensed dhobies on their own responsibility, the Municipality merely providing the structure. On the platforms public bathing for both sexes could be effected, in a decently and decent manner.

(c) Practically, no use of the water at present is made for Municipal purposes. Having secured a supply of water, the Municipality should by slight extensions at suitable points attempt to use it freely for the flushing of drains, which in this respect at present are much neglected. The points at which these extensions should be made, I pointed out in several instances to the Chief Sanitary Inspector.

(d) In sinking extensions of "public fountains" or standposts, I would advise the Municipality to use white enamel glazed bricks as the Portland cement surfaces of the present pattern readily become foul and greasy by the hands of drawers of water being placed against the walls for [illegible] Thus [illegible]

A provision was made in this year's budget for sinking bathing platforms but was disallowed by Government in view of a Complete Scheme being prepared for the utilization of the balance of money that is expected to remain out of the Special Fund set apart for the water-works. The Suggestions of the Sanitary Commissioner on this subject will be duly considered at the time of Submission of that Scheme.

When there was a full supply of water available from the waterworks the public drains were flushed by turns about once a week but recently as the works failed to supply sufficient water for drinking and cooking purposes, the Council has been obliged to discontinue the flushings. The Council hopes to resume the work after the arrival of the freshes.

The Suggestions about the advisability of using White Enamel glazed bricks in any Extension of fountains that may hereafter take place will be attended to. Those Suggestions are Communicated to the Water-works Overseer in view to a provision being made for this item in any estimates that he may have to submit to the Council. With regard to the Existing fountains Water-works Overseer will be called upon to [illegible] painting

to, and the fact of it being possible to receive sewage at the pail depots must be regarded as simply an incidental advantage ~~that~~ not primarily aimed at. Nevertheless, in connection with the scheme now under discussion, it might get over difficulty as to having favourably situated ground for sewage farming, if it were arranged that the system were ~~WA~~ adapted also for use for raising sewage from the Fort area.

As the inspection notes of the Sanitary Commissioner was received after Chokalinga Mamiagar's Slaughter house was leased out, the Council regrets its inability to do any thing to improve it this year.

The Council is taking Steps to acquire the Site of the 5th ward Slaughter house and when it is aquired will make the necessary improvement. In the meanwhile it is being regularly inspected and its Cleanliness attended to.

b. Slaughter house (a). The Chokalingum Mooegar's market and Slaughter house, which I understand is duly licensed by the Municipality should no longer be permitted to exist without radical alterations. As it stands, it is absolutely unfit for the purposes required. The market consists of a few earth fpals furnished with dirty old benches.

(b) Fifth ward Slaughter house. Here about 75 sheep are slaughtered daily. The room used for slaughtering is far too small, and is badly ventilated. The sullage water instead of being utilized, as it might usefully be, in aiding the cultivation of the patch of ground surrounding the slaughter house, is led so as to swell the contents of

filthy pond. In the cistern meant for the detention of sullage water but which apparently is not used, I found human fecal matter.

7. Markets (a). Vegetable market. The pillars have been duly cement plastered, as advised in my former notes; they have not however been silicate painted. This should now be done, with the object of presenting a surface on which the dirt can be readily seen and be removed. The floor is however still formed of irregular and worn brick. The whole should be cement plastered. A drain should also be provided along the basement, so as to carry off washings.

(b). Victoria Market. This place is in the same unsatisfactory state as

The Overseer is called upon to submit Estimates for Silicate painting the pillars of the Vegetable Market and the Sanitary Commissioner is requested to favor the Council with his opinion as to the advisability of paving the floor of the market with Cuddapah Slabs in preference to cement plastering. The drain for carrying off washings will soon be provided.

The Council has leased out this market to a new Contractor for 3 years with directions to effect certain improvements and trust [illegible]

[illegible]

When the Sanitary Commissioner inspects next.

last reported.

(c). Caesai Kadai. There shops are permitted by the Municipality under Section 191. within a few feet of the shops is a large "open space" latrine. Irrespective of air-borne microbes, it is unlikely that a day can pass without flies that have settled upon human excrement passing to the meat exposed for sale later. Further, the surface drainage from the latrine must pass through this neighbourhood. Either the latrine or the butchers shops should be abolished without delay. If the latrine is retained, the Municipality should have a well-ventilated covered form, such as advised by Mr. Donaldson of Calcutta or the Madras Sanitary Board, and see that a lorry is also

The Council resolves that it is advisable to remove the butchers Stalls referred to by the Sanitary Commissioner. But before any action can be taken a Sub-Committee Consisting of Mr. Dy Rathakrishna naidu garu, Mr. Dy S. M. Govinda Roujee and the Chairman will be requested to recommend a suitable place within the fort for locating the Stalls.

158

of the supervising and
mercial staff should
be placed under the
direct orders of the
Chief Sanitary Inspector
subject to such directions
as the Chairman may
choose to give from time
to time. Having made
this radical change in
management, every care
should be taken to en-
force obedience on the
part of the staff to their
immediate superior
officers.

Surgeon Lt Col
Sanitary Commissioner

Fort St George
23rd March 1896

The Sanitary Commissioner's
remarks with regard to the
duties performed by the Sanitary
Staff will be duly considered.

Jh Swaminatha Sastri
Chairman
delegate

curt 1035 of 96 189 6. 2123 M

Tanjore Municipality.

DESPATCHED 11 JUL. 96

FROM

THE CHAIRMAN,

MUNICIPAL COUNCIL,

Tanjore.

Current No. 1251 ENG. of 1896 M

To The Chief Secretary to Government Madras

Through the Divisional Officer,

Tanjore.

Dated 7. July 1896
Received 21 JUL. 96

No. 1015

ENCLOSURE. X

(Subject.)

Returning the Inspection notes of the Sanitary Commissioner with the Councils remarks.

220

Cnt no 1251 Eng 286

Forwarded

Collector

25 JUL. 96

CG 4.7 25 17.7.96

13/7

13/7

Please put in typo omitting the portion in brackets [ ]

Pw 13/7

22/7

proving the drain in accordance with the remarks of the Sanitary Commissioner.

(c) Kudiai Katte street drain:- The Overseer is also called upon to report with levels whether it is possible to improve the gradient of the Kudiai Katte Street drain and if it is possible to do so, to submit plans and estimates for effecting this improvement.

d. Sewage of Jain Street:- The Ward Councillor is requested to inspect the Jain street and in consultation with the Overseer to favor the Council with his views as to the arrangement that might with advantage be made for securing the proper disposal

of the sewage of that street.

5.(b). Rubbish removal:- The Council is now paying special attention to this subject and will try to increase the number of carts as soon as possible. The "Separate Receptacle system" will be gradually introduced. The Chairman has already opened one in his own house.

(d) Night Soil Conservancy:- The subject of increasing the number of public latrines is engaging the attention of the Council and the Council will try to increase the number of night-soil Carts. Great difficulties exist in this town in the way of extending the private scavenging system and

(d) Big Market :- The Council contemplates the erection of a number of water taps within the Big Market. The Sanitary Commissioners suggestion with regard to markets will be duly attended to. A sub. Committee consisting of Mr. R. Pr. Kristnasamy Naidu from Mr. R. Pr. S. M. Govinda Rowjee and the Chairman is requested to favor the Council with proposals to rectify the defects in the pial in which the fish is sold. The subject of keeping the Market clean will receive due attention.

A sub. Committee consisting of Mr. R. Pr. Ratka Kristna Naidu Garu Mr. R. Pr. S. M. Govinda Rowjee and Mr. R. Pr. S. A. Samiada Sastrial is requested to make proposals for remedying the defects pointed out in respect of the latrine in the Vegetable Market.

8. Bandy Stand :- The Victoria Market bandy stand will be improved by the present Contractor who has promissed to provide it with a water tap.

The Bandy stand near the Big Market is now being kept clean and under the vigilant supervision of the Council the manure and rubbish deposited are being daily removed.

9. Grave-Yard :- The Overseer

189 .

Tanjore Municipality.

Enclosure to G.O. No. 875

FROM

THE CHAIRMAN,

MUNICIPAL COUNCIL,

Tanjore.

Sec 1685 M

Tanjore Inspection Note

To The Chief Secretary
to Government
Madras.

Through the Divisional Officer,

Tanjore.

Dated 5th } June. 1896
Received }

6 626 No.

ENCLOSURE. 2

(Subject.)

Resolution of the Tanjore Municipal Council dated 27th May 1896

2/1685 M of 96

Government (1896) of Madras.

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Recd. } 1896. *Enclosures*

Regd. *Spare copies*

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SEPTEMBER.

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Inspection Notes.

ventilated. The sullage water, instead of being utilized, as it might usefully be, in aiding the cultivation of the patch of ground surrounding the slaughter-house, is led so as to swell the contents of a filthy pond. In the cistern meant for the detention of sullage water, but which apparently is not used, I found human fæcal matter.

7. *Markets*—(*a*) *Vegetable Market.*—The pillars have been duly cement-plastered, as advised in my former notes; they have not, however, been silicate-painted. This should now be done, with the object of presenting a surface on which the dirt can be readily seen and be removed. The floor is, however, still formed of irregular and worn brick. The whole should be cement-plastered. A drain should also be provided along the basement, so as to carry off washings.

(*b*) *Victoria Market.*—This place is in the same unsatisfactory state as last reported.

(*c*) *Cassai Kadai.*—These shops are permitted by the municipality under section 191. Within a few feet of the shops is a large "open space" latrine. Irrespective of air-borne microbes, it is unlikely that a day can pass without flies that have settled upon human excrement passing to the meat exposed for sale also. Further, the surface drainage from the latrine must pass through this neighbourhood. Either the latrine or the butchers' shops should be abolished without delay. If the latrine is retained, the municipality should have a well-ventilated, covered form, such as advised by Mr. Donaldson of Calcutta or the Madras Sanitary Board, and see that a toti is always on the spot provided with dry earth for deodorization.

(*d*) *Big Market, Fifth Ward.*—Notwithstanding the introduction of a public water-supply, the old arrangement of elevating water to an iron cistern, and thence distributing it by means of stand-posts within the market enclosure, still exists. This represents a waste of money. The public water-supply should be introduced and the iron tank and fittings be sold. I have no doubt there are other municipalities, not supplied with a public

Chairman's Remarks.

The council is taking steps to acquire the site of the fifth ward slaughter-house and when it is acquired will make the necessary improvements. In the meanwhile it is being regularly inspected and its cleanliness attended to.

The overseer is called upon to submit estimates for silicate painting the pillars of the vegetable market, and the Sanitary Commissioner is requested to favour the council with his opinion as to the advisability of paving the floor of the market with Cuddapah slabs in preference to cement-plastering. The drain for carrying off washings will soon be provided.

The council has leased out this market to a new contractor for three years with directions to effect certain improvements, and trusts that it will present a better appearance when the Sanitary Commissioner inspects next.

The council resolves that it is advisable to remove the butchers' stalls referred to by the Sanitary Commissioner. But before any action can be taken, a sub-committee consisting of M.R.Ry. Radhakrishna Nayudu Garu, M.R.Ry. S. M. Govinda Raoji and the Chairman will be requested to recommend a suitable place within the fort for locating the stalls.

The council contemplates the erection of a number of water-taps within the big market. The Sanitary Commissioner's suggestion with regard to markets will be duly attended to.

Inspection Notes.

water-supply system, which would willingly buy the useful outfit. A new cement-plastered pial has been made for the fish-sellers, but this is evidently too broad for the amount of fish likely to be brought for sale at one time. The result is that, to reach the little patches exposed for sale, the buyers themselves stand on the pial. This should not be allowed.

(*e*) The sanitary inspector had in the above markets apparently done his best to enforce order and discipline, but with very little result. Apparently, one peon is all that is allowed to look after the whole of the big market. Either some very stringent arrangement should be entered into with contractors so as to make them responsible for obedience to orders of the sanitary staff, or the municipality must themselves so increase the men at disposal for this duty as to ensure the maintenance of cleanliness and order. In both respects at the present time the condition of the markets is very far from good. The latrine at the corner of the market exists as formerly, in spite of remarks made by me in my notes for 1893 and by the Deputy Sanitary Commissioner in his notes for 1894. It is most desirable that this huge open latrine be abolished. Its position near an important market is sanitarily very erroneous. Stall-holders may require such convenience, but the provision of more than two or three seats need not be exceeded; even these should be kept under lock and key, so that the general public should not be allowed to resort to them.

8. *Bandy-stands.*—(*a*) The bandymett at the Victoria market is overgrown with vegetation. The well should be closed and the public water-supply be introduced in lieu.

(*b*) In the "big market" about 2,000 cubic feet of manure were found accumulated in the bandy-stand. Both for the safety of man and beast, daily complete removal should be insisted upon.

9. *Graveyard.*—This is in the same untidy condition hitherto noticed. A cremation shed should be erected to permit of cremation proceeding without delay or difficulty during the wet weather.

10. *Vaccination.*—From examination of children haphazard on the streets, vaccination seems to be fairly well conducted in this town. The municipality, however,

Chairman's Remarks.

A sub-committee consisting of M.R.Ry. Krishnasawmy Nayudu Garu, M.R.Ry. S. M. Govindu Raoji and the Chairman is requested to favour the council with proposals to rectify the defects in the pial in which the fish is sold.

The subject of keeping the market clean will receive due attention.

A sub-committee consisting of M R.Ry. Radhakrishna Nayudu Garu, M.R.Ry. S. M. Govinda Raoji and M.R.Ry. S. A. Swaminatha Sastriar is requested to make proposals for remedying the defects pointed out in respect of the latrine in the vegetable market.

The Victoria market bandy-stand will be improved by the present contractor, who, has promised to provide it with a water-tap.

The bandy-stand near the big market is now being kept clean, and under the vigilant supervision of the council the manure and rubbish deposited are being daily removed.

The overseer is directed to prepare plans and estimates to erect a tiled shed for purposes of cremation in the cremation ground.

The council resolves that it is undesirable to compel parents to take the vaccinated children to the vaccinators for inspection, but it will enforce the provisions of section

Inspection Notes.

make a mistake in requiring that parents should not take back their children to the depôts for verification after operation. Causing the vaccinators to hunt for cases scattered over various parts of the town for verification is a useless waste of labour, which encourages falsification and prohibits the searching for undetected cases of non-vaccination. I consider the municipality would be well advised to insist upon parents producing their children for verification.

The following table shows the progress of vaccination during the last five years :—

—	1891.	1892.	1893.	1894.	1895.
Number vaccinated	1,374	1,557	2,967	2,132	1,933
" " successfully	1,300	1,549	2,876	2,069	1,875
" " under one year of age	271	279	437	381	828
Births	1,556	1,385	1,790	1,512	1,606

In the subjoined table the results of *infantile* vaccination are given :—

Total births during preceding five months, *i.e.*, from 1st January to 31st May 1895.	Number vaccinated.		Number vaccinated a second time because first operation proved unsuccessful.		Postponed on medical certificate.	Died.	Left the town.	Unaccounted for.	Ratio of successful operations to total births per cent.
	Successfully.	Unsuccessfully.	Successful.	Unsuccessful.					
667	222	..	..	..	116	182	137	10	33·2

11. *Registration.*—The following exhibits the results of registration during the last three years :—

Years.	Ratio of births per mille of census population.	Ratio of deaths per mille of census population.	Percentage of deaths from						Ratio of deaths of infants under one year of age per mille to registered births in the preceding year.	Ratio per mille of deaths of infants between one and five years of age to population of that age.
			Cholera.	Small-pox.	Fevers.	Dysentery and Diarrhœa.	Injuries.	Other causes.		
1893 ..	32·9	35·6	28·9	2·2	17·7	22·1	0·3	28·8	207·3	88·3
1894 ..	27·9	28·8	15·2	0·9	16·6	26·2	1·2	39·9	225·7	91·3
1895 ..	29·6	25·5	5·8	0·8	22·1	21·2	0·8	49·3	250·2	77·0

These figures show that the work of registration is being perfunctorily effected. I would therefore again direct attention to my circular, No. 398, dated 22nd February 1896, and its accompaniment.

Chairman's Remarks.

136 and 137 of the Act to compel such parents to procure the inspection of their children by vaccinators.

Inspection Notes.

Taking, however, the statistics as they stand, they disclose an infantile mortality and death-rates from cholera and bowel-complaints that illustrate at once the foul condition of soil and water-supply of this town. I trust that the councillors will not scan these figures without bearing in mind also the statement of what I have urged upon them as their duty in the matter of seeing that the new water-supply be fully utilized by the people.

12. *Sanitary Administration.*—This municipality still adheres to the antiquated and unsuitable method of requiring its sanitary staff to aid in collecting taxes. This is no part of the duty of a sanitary staff; and, so long as it is continued, it is impossible for the town to benefit by their work. Either a staff is a money-collecting staff or it is a sanitary staff. Sanitation is one of those subjects that it is easy for the average conscience of man to conceive is of less importance than the collection of money, and it is not difficult therefore to come to the conclusion that a sanitary staff once placed upon money collection is worthless as to its real function. I advise, therefore, that no such duty be given to the sanitary staff. The state of the town of Tanjore is such as to dictate that in times past this misunderstanding *has been fraught with evil consequences.* As a first step towards securing correct sanitary administration, the whole of the supervising and menial staff should be placed under the direct orders of the chief sanitary inspector—subject to such directions as the Chairman may choose to give from time to time. Having made this radical change in management, every care should be taken to enforce obedience on the part of the staff to their immediate superior officer.

Fort St. George,
23*rd March* 1896.

(Signed) W. G. KING, Surgn.-Lieut.-Col.,
Sanitary Commissioner for Madras.

—

Endt. No. 1251-Eng.

Forwarded.

17*th July* 1896.

(Signed) G. STOKES,
Collector.

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Chairman's Remarks.

The Sanitary Commissioner's remark with regard to the duties performed by the sanitary staff will be duly considered.

Order—No. 1634 M., dated 23rd September 1896.

Recorded.

2. The Sanitary Commissioner's attention will be drawn to the Chairman's remarks on paragraphs 5 (*f*) and 7 (*a*) of the inspection notes.

3. The steps which the municipal council proposes to take for improving the registration of vital statistics have not been reported. The omission should be supplied.

(True Extract.)

A. T. ARUNDEL,
Ag. Chief Secretary.

To the Chairman, Municipal Council, Tanjore.
„ Collector of Tanjore.
„ Sanitary Commissioner.
„ Sanitary Engineer.
Editors' Table.

Exd. C. M. Thumbuswamy.

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