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MADRAS RECORD OFFICE.

Government of Madras.

Public DEPARTMENT.

G.O. No.	733	Press ~~Mis.~~
Dated	1-6-	19 1869

Not to be folded or roughly handled

17/10/18

Read the following papers :—

- No. 11. From the Sanitary Commissioner for Madras, to the Chief Secretary to Government, Fort Saint George; dated Bangalore, 3rd May 1869, No. 1140.

I have the honour to submit, for the early orders of Government, copy of a letter* to my address from the President of the Municipal Commissioners for the city of Madras.

* S. No. 24, dated 26th current.

2. From this it will be seen that Colonel Denison requested that I would accord my official sanction to the selection of a site for a new rubbish depôt to receive the town sweepings of the 1st district. Before doing so, I desire to place before Government a brief account of the circumstances which induced me to refrain from complying with Colonel Denison's request until I shall have received an intimation of the wishes of Government on the subject.

3. On the 8th March 1867, the Honourable Mr. Ellis, then Sanitary Commissioner,† pointed out to Colonel Denison the desirability that he, as Sanitary Commissioner, should be consulted by the Municipal Commissioners before any new depôts for rubbish were established in Madras, and he further suggested that applications to Government for sites for such a purpose should be submitted with the joint recommendation of the Municipal and Sanitary Departments; this procedure has been since followed.

† Proceedings, p. 96, Vol. IV.

4. On the 22nd March, same year, the Sanitary Commissioner applied to the Municipal Commissioners for permission to form a rubbish depôt between Cochrane's Canal and the Powder Mills. This depôt was subsequently abandoned.

‡ Proceedings, p. 144, Vol. IV.

5. On the 12th September, same year, the Municipal Commissioners applied for permission to establish a depôt at the north-west angle of the Black Town wall. The Sanitary Commissioner§ declined to accord his assent to the proposal until

§ Proceedings, pp. 360 to 362, Vol. IV.

he should be informed whether Cochrane's Canal could not be used for the removal of rubbish. He further added, "the existing depôts are much complained of, and nothing but urgent necessity would seem to justify the continuance of this very unsatisfactory method of conservancy. The Municipal Commissioners in reply stated that the extension of the salt-platform would, in a short time, prevent their using the then existing shoots for discharging rubbish into the boats; pointed out that the transport of rubbish by the canal was attended with many difficulties; and suggested that rubbish should be either buried or burnt. Regarding these two processes the Municipal Commissioners remarked: "The first is being carried out successfully at Brickkiln road, and the other is about to be tested at the same spot. From a small experiment made near the Basin depôt we are inclined to think the latter process will be found the most efficient and economical, and as the cinerators will be constructed to consume their own smoke we are confident they will not be a nuisance; until, however,

"this fact is established we must have some spot in the vicinity of the town where we can bury rubbish when deprived of the use of the canal, or when, as is often the case, the boats become unserviceable, or do not ply fast enough to receive the whole of the sweepings removed twice a day from the streets, and we consider the low ground at the north-west angle of the town wall the best adapted for the purpose."

6. In reply to the foregoing, the Sanitary Commissioner observed that, in his opinion, there was no sufficient reason for opening a rubbish and filth depôt close to the canal as the construction of a platform and the necessary shoots for loading boats would not be attended with any real difficulty. He further pointed out that the opening of fresh filth depôts in this part of the Municipal limits would only further delay the utilizing of Cochran's Canal for conservancy purposes. Mr. Ellis in conclusion "formally protested" against the establishment of the proposed depôt.

7. On the 25th November, same year, Colonel Denison requested the opinion of the Sanitary Department on the subject of the utility of cinerators; my Secretary* in reply pointed out the manifest advantages of the system of combustion of rubbish, and added, "even supposing that the sale of ashes from the cinerators cannot be relied on as a source of income, there is a manifest advantage afforded by them in the avoidance of the necessity of depositing on the ground large masses of decomposing animal and vegetable matter, which not only is itself a source of nuisance if not carefully covered over, but also tends to render impure the water passing through it, and the ultimate destination of which is towards wells often used for domestic purposes."

8. On the 14th December, same year, Colonel Denison again addressed this department promising to erect a cinerator at the Perambore depôt. In reply I† stated my willingness to go into the whole question, and reiterated the opinion previously expressed by my Secretary, (vide paragraph 7 of this letter.)

9. On the 11th January 1868, and subsequently in the same month Colonel Denison addressed me, again soliciting my assent to the site at the north-west angle of the town which had been objected to so strongly by the Honourable Mr. Ellis. With reference to the question of the cinerator Colonel Denison remarked, "But I am anxious to try the effect of cinerators, and have erected the Executive Engineer to have one constructed as soon as possible at Perambore. The Commissioners having sanctioned a sum in the estimate for this, and if successful, will be prepared to sanction a further sum for cinerators in all three districts." He further represented the "absolute necessity" of selecting some spot in town for temporary use as a rubbish depôt until the cinerator was erected.

10. From Colonel Denison's letter‡ it would appear (1) that no new shoots had been erected as recommended by Mr. Ellis; (2) that the establishment of boats was insufficient; (3) that the conservancy of rubbish depôts had been materially improved; (4) and that the cinerator was to be commenced in the month of January.

* Proceedings, p. 468.

† Proceedings, pp. 516 to 518, Vol. IV.

‡ My Proceedings, page 61, Vol. V.

11. Under these circumstances I gave* the following conditional assent to Colonel Denison's proposal: "But although fully concurring with Mr. Ellis in the objection he has raised to the extension of filth and rubbish depôts, yet taking into consideration the urgent necessity that exists for making some temporary provision for disposal of the rubbish of No. 1 district, I do not feel it incumbent on me to raise any present objection to your using the piece of ground pointed out in paragraph 4 of your letter, on the understanding that steps will be taken to expedite the erection of the cinerator at Perambore with a view, should it prove successful, to a speedy extension of the system of cremation of all rubbish, instead of the present method of disposal by burial; and on the further understanding, as expressed by you at our recent conference, that the accommodation will not be required beyond the period named by you."

12. From the foregoing précis of a correspondence extending altogether over more than two years, it will be seen that this department has steadily protested against the multiplication of rubbish depôts in Madras; and it will be observed that it has invariably recommended the erection of cinerators. The first of these the Municipal Commissioners promised to commence in January 1868, more than fifteen months ago, and it is not yet completed; although, so far back as March 1868, Colonel Denison had communicated to the Municipal Commissioner for Bombay "a good pattern of a cinerator for burning rubbish."

13. I feel that, under the circumstances detailed in this letter, I would not be justified in according my assent to the institution of new depôts except under the orders and with the assent of Government, and I would respectfully suggest that this assent should not be given unless it is proved satisfactorily that water carriage has been availed of to the fullest extent, or orders issued that it shall be so without delay so soon as the canal is navigable.

14. I would also solicit that Government may be pleased to order the Municipal Commissioners to complete at once the cinerator so frequently promised by them, and also to direct that, on the receipt of a favourable report upon it, the Municipal Commissioners shall erect the others proposed by them, (vide paragraph 9 of this letter.) Judging from past experience, it is evident that the practical improvements in conservancy, so long recommended by this department, may be indefinitely postponed unless this is done.

15. With reference to paragraphs 3 and 4 of Colonel Denison's letter under present reference, I have merely to remark that they are strong arguments in favour of the erection of the cinerators as rapidly as possible.

16. Pending the decision of Government, I have addressed Colonel Denison, (vide my letter, No. 1130, dated 30th April.)

17. In conclusion, I have to solicit that Government may be pleased to pass orders upon this letter at an early date.

ENCLOSURES 6.—Letters.

4 *Proceedings of the Madras Government, Public Department,*
1st June 1869.

No. 12. From Colonel C. DENISON, President of the Municipal Commission, Madras, to the Chief Secretary to Government, Fort Saint George; dated Madras, 8th May 1869, S. No. 33.

As the Sanitary Commissioner's letter to Government of the 3rd instant, on the subject of the system as at present pursued by the Municipality in the disposal of rubbish, &c., may I consider tend to mislead Government, I have the honour to forward, herewith, copy of the Secretary to the Sanitary Commissioner's letter to my address of the 5th instant, and my reply thereto. Any one who has compared the system in force previous to October 1867, with that as now carried out, I think must unhesitatingly pronounce in favour of the latter, and you who as Sanitary Commissioner must recollect what an offensive place the Perambore depôt on the Brickkiln road under the old system, cannot but concur in the advantages of the present one, but of course the disposal of such an accumulation of filth as there must be in a place like Madras is most difficult of solution, the present system is a vast improvement on the old. I hope next year, or before then, I may be able to report a still further improvement on this, viz., by cremation, but the building of cinerators takes some time and requires experience, and our experimental one at the Perambore depôt, Brickkiln road, does not yet act as I would wish, for it requires a greater draught of air than gets into the chambers, and we shall have to remedy this, I believe, by a steam-blast.

2. I am fully alive to the importance of the subject of disposal of rubbish and sweepings; it has had my attention ever since I assumed office, and I consider a step has been gained in the right direction, but I must confess I am rather surprised at the Sanitary Commissioner having, as it would appear, so unhesitatingly condemned the system at present in use in his letter to Government of the 3rd instant.

ENCLOSURES 2.—Letters.

No. 13. From the Secretary to the Sanitary Commissioner for Madras, to the Chief Secretary to Government, Fort Saint George; dated Madras, 10th May 1869, No. 1184.

In the absence of the Sanitary Commissioner on inspection duty, I have the honour to forward, with reference to his letter, No. 1140, dated 8rd current, further correspondence on the subject of rubbish and filth depôts for the town of Madras, for the information of Government.

ENCLOSURES 2.—Letters.

No. 14. From Colonel C. DENISON, President of the Municipal Commission, Madras, to the Chief Secretary to Government, Fort Saint George; dated Madras, 10th May 1869, S. No. 35.

In continuation of my letter of the 8th instant, I have the honour, by desire of the Secretary to the Sanitary Commissioner, to forward the accompanying copy of a letter from that Officer, No. 1162, of this day's date.

ENCLOSURE 1.—Letter.

5 *Proceedings of the Madras Government, Public Department,*
1st June 1869.

No. 15. ORDER THEREON, 1st June 1869, No. 733.

In the first of the letters above recorded the Sanitary Commissioner gives a *resumé* of the correspondence which has passed regarding the rubbish depôts within the Municipality of Madras, and he states that it will be seen therefrom that his department has steadily protested against the multiplication of rubbish depôts, and that it has invariably recommended the erection of cinerators.

2. The Sanitary Commissioner points out that the cinerator, which the Municipal Commissioners promised to commence in January 1868, is not yet completed. He feels that he would not be justified in according his assent to the institution of new rubbish depôts, except under the approval of Government, and he suggests that this approval should not be given unless it is proved satisfactorily, that water-carriage has been availed of to the fullest extent. He also solicits that instructions may be issued to the Municipal Commissioners to complete, at once, the cinerator promised to be erected by them, and that on receipt of a favourable report upon it, the Commissioners should be required to erect the others proposed by them.

3. The President of the Municipal Commission, in his letter of the 8th ultimo, No. 33, refers to the past and present condition of the rubbish depôt on the Brickkiln road, and pronounces the present system of burying the rubbish to be a vast improvement on the old. He hopes next year, or before then, to be able to report a still further improvement by cremation; but he adds "the building of cinerators takes some time and requires experience, and an experimental one at the Perambore Depôt, Brickkiln road, does not yet act as I would wish, for it requires a greater draught of air than gets into the chambers, and we shall have to remedy this, I believe, by a steam-blast."

4. The Government consider the delay which has taken place in erecting and testing the cinerator referred to, to be, considering the great importance attached to the disposal of rubbish and filth by cremation, unsatisfactory. Until the cinerator is favourably reported upon and others are built, which they should be with the least possible delay, the Government will not object to the rubbish of the 1st district being buried in the site proposed in the vicinity of the Gun-Powder Manufactory, special care being taken that the rubbish deposited is covered daily with at least two feet of fresh earth, and on the understanding that the Manalle Depôt will be made use of for "excreta" and other noxious filth so soon as the canal is again navigable.

(True Extract.)

Chief Secretary.

To the Sanitary Commissioner.

President of the Municipal Commission, Madras.

Exd. J. Wright.

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Municipal Commissioners of
Madras 1st March 1861

From,

Colonel C. A. Denison
President Municipal Commission
Madras.

To,

D. J. L. Ranking
Sanitary Commissioner
Madras.

I have the honor to forward herewith copy of a letter addressed to me by my Executive Engineer under date the 24th ultimo in relation to your petition regarding the establishment of a new Rubbish Depot for the town of Chittoor in lieu of the existing one which has been very nearly used up.

The place proposed is in the vicinity of the Gun Powder Manufactory and with reference to previous correspondence and order of Govt on this subject herewith forwarded I am to be understood to be glad to meet you or Mr. Montgomery at either of these sites for the purpose of inspecting them on any day and at any hour that may suit you or his convenience.

3. I would however remark that under the present methods of treatment of rubbish the same objections as mentioned on a previous occasion by the Superintendent of the Gun Powder Manufactory, would not I think hold good.

I have the honor to be,

Sir,
Your most Obedt Servant
(Signed) Chas. Denison President
Municipal Commission.

"True copy"

James Robert [Signature]

Govt. of Madras

PUBLIC.

To

THE SANITARY COMMISSIONER,
A. S. S. & Co.

Dated June 1st

Recd.

Encl.

G. O. No. 1150 No. 753.

JUNE,
Nos. 11-15.

Printed and Published by the Municipal Commission.

"Copy"

Ex: Engrs Department No 282

9

To
The President of the
Municipal Commission
Madras.

Sir,

The plot of ground near the Basin Bridge used at present as a Depot for storing rubbish, being nearly all covered, it is necessary to provide another site. The considerations to be kept in view in selecting a spot are, that it should be accessible from different points, be within easy distance for the carts, and yet, be sufficiently removed from houses. The only locality that possesses these advantages is the swamp colored yellow in the accompanying plan and measuring about ²⁵/₂ acres.

2. With reference to the 1st condition, carts coming from the north can enter it by the Pooleritope road, from the east by Basin Esplanade Road, and from the west and south by Dalnallows road.

2^{ndly}. It is in the immediate vicinity of the villages of Bromgunnum, Cholay, Chiv. pattah, Brambora and Vayurpandy, and the distance from the southern end of Black Town, taking the Elephant Gate road route, is the same as to the present depot north of the town.

3^{rdly} Houses are further removed from this place than from any of the existing Depôts.

3. In its present condition this low ground exerts a most prejudicial influence on the neighbourhood. For several months in the year it is under water and as

such time is thickly inhabited by various species of the mollusca; but when all the water is evaporated by the sun animal life can exist no longer in it and therefore, by rotting, taint the air and add to the soils arising from the exhalation of the marsh. Raising such a spot with rubbish on the system now adopted at the Buckle Hole depot will really amount to reclaiming the swamp and removing a great source of disease.

4. In addition to all these it possesses the further advantage of being most favorably situated with reference to the drainage outfalls of the several villages already named, for the reestablishment of a sewage farm.

5. When the work now in progress at the Cosapettah Nullah is finished, the sewage from Vepary, Pura Althum and Right Wing Perambur lines will be conducted to this place. The drains of Eroongunnum already discharge here, and the Cholay main drain must be soon diverted from the tank into which it now discharges.

6. With reference to this last subject I beg to draw your serious attention to it. The tank is now one foul mass of semi-liquid sewage, and every day only adds filth to its already disgusting contents.

7. When I proposed an experimental sewage farm in January 1868, it was not sanctioned on the ground that it may prove objectionable to health. I have ever since given the subject serious consideration and cannot yet see the force of the objection.

8. The sewage of the Cholay drain now flows into a tank in which the people bathe and water their cattle. If it were particularly desired to disseminate disease

disease, no better plan ^{than} this could be designed, and yet, it was decided to allow this poisoning to continue rather than to sanction a trial for its disposal on approved principles.

9. Very few are now sceptical on the advantages and practicability of sewage irrigation, and I shall therefore not adduce evidence in its favor; but as it is possible that difference of climate and conditions may be urged against its success in a tropical climate, I shall yield all that the opponents of sewage irrigation have urged against it, and contend, that, even with all these drawbacks, it is far superior to the present practice of either allowing it to flow into tanks, the water from which is used for domestic purposes, or allowing it to ~~soak~~ fester, and rot in the sun in the midst of the most thickly populated districts.

10. I therefore earnestly hope that this proposal of reclaiming the swamp, and reestablishing a sewage farm on it, may be sanctioned.

I have the honor to be

Ex: Eng: Office
Madras —
24th February 1869

Wm Standish Lee
Executive Engineer

(True Copy)

Herbert Standish Lee
Secretary Sanitary Commissioner
for Madras

"copy"

Municipal Commissioners Office
Madras Feb: 26 1869. 13

Memorandum on Executive Engineer's
Letter No 232 of 24 February

It is absolutely necessary that no time should be lost in establishing another Rubbish Depot for the Town District as the present one will soon be used up. I looked at the site proposed by the Executive Engineer a few mornings ago, it is a long way from a great portion of the Town District, and the rubbish carts must in either case cross the Railway at the Elephant Gate and Basin Bridges, objections might also be taken by the Superintendent of the Gun Powder Manufactory as before, but the Rubbish Depots are conducted on a different principle now and I do not think reasonable exception could be taken.

The proposed site would have the advantage of doing equally well for the 2nd District. I looked at another site pointed out by Mr Wheeler up the Canal this is $\frac{1}{2}$ a mile from the present Depot, and the carts would also have to cross the Railway going up a very steep incline when laden, but these are the only two spots I have available.

A letter should be addressed to the Sanitary Commissioners sending him the Executive Engineer's letter and this Memo (to be returned), asking either him or Dr. Montgomery if they could meet me at either of these places, and if so, to name the day and hour, and we could then also look at the site proposed by the Executive Engineer and Sanitary Inspector for the removal of the

Copy



N^o 618

15
Office of Sanitary Commissioner
Madras 11th March 1869

From

Surgeon Major J. L. Ranking
Sanitary Commissioner for Madras

To

Colonel Denison
President Municipal Commission
for the Town of Madras

Sir,

Copy of letter from Col.
Ranking No 232 of 24th Feb.
Memorandum by the
President Municipal Commission
upon the above, dated
26th February.

I have the honor to acknowledge the receipt of your letter No 117 of the 1st Instant, enclosing documents as per annex in regarding the establishment of a rubbish depot "in lieu of the existing one which has been nearly used up."

2. Having inspected the ground referred to, and had the advantage of a conference with you upon the subject, I think it advisable before proceeding to offer any opinion upon your proposal, to place on the conditions, as I understand them, under which you seek to gain my support to the measure.

3. I understood you to say that in soliciting the support of my official sanction to the establishment of a fresh depot upon the site selected: vizt in the vicinity of, (though not identical with that, the use of which was interdicted by Order of Government No 786 of 2nd July 1867) the Gun Powder Manufactory, you propose to deposit rubbish, and road sweepings only, carefully separating filth and transporting it to the Munnaly Depot. This rubbish you guarantee shall be covered over daily, as deposited with fresh earth; and thus you propose gradually to raise, and reclaim the spot which is now swampy, and often under water.

4. You also propose, in association with the gradual and progressive raising, and reclamation of the land, to utilize two streams of sewage which now flow upon it and spread themselves out upon the surface, or from pools.

5. This you propose, doing by directing the sewage into properly constructed reservoirs, and then to abstract it to the preliminary functions which it is your intention to lay out in your plan.

for Madras
Sanitary Commissioner

James Johnston

Done copy

(Signed) Charles Denison

Madras

6. The necessity for some temporary place of deposit of rubbish upon advance, as being most urgent.

7. You further assure me that the cinerator, as long since designed to be constructed at the Brick kiln, depot, is nearly completed; that a trial has satisfied you that it is capable of burning off refuse and rubbish of all kinds, including filth; and it is expected to be in full operation in 10 or 12 days. Your Engineer Mr. Lee further expressed a confident opinion that three such cinerators would consume the whole of the refuse of the Municipality; that new ones could be erected in three months; and that if one, of smaller dimensions, was erected in each district, the question of the disposal of town refuse would be settled and no further occasion be found for the present system of burial.

8. Have sanitary objections exist to the further extension of filth depots. The practice of burying decomposing filth, all around the outskirts of the Municipality, cannot be extended without danger to the public health from vitiation of soil, air and water, while there is the additional risk, as the town increases, and building sites are in demand, that dwellings will be created on the sites of some of these old filth pits, with the almost certain result of a high rate of mortality and frequent outbreaks of epidemic diseases from the foul exhalations from the buried matter.

10. The careful exclusion of all filth, from the sweepings and rubbish, at the site you desire to take up partly meets this objection, and if sweepings only are deposited, and covered over daily with fresh earth I do not see any objection to the ground being thus used. Indeed it is very advisable that it should be reclaimed, as it is now is an objectionable swamp, upon which sewage, distributed by two sewers, is delivered.

11. The utilization of sewage upon the ground reclaimed, in the way proposed, vizt. in the growth of crops of grass, is, certainly, preferable, both in a sanitary and economical point of view, to the existing conditions of the surface.

12. The ground itself is sufficiently removed from any populous neighbourhood to admit of a trial being given to sewage irrigation without detriment to the public health, and I do not think that the Superintendent of the Gun Powder Manufactory can reasonably object to the locality being thus used, since it is really only substituting an organised system of sewage irrigation for the present one

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me of allowing the soil to be a receptacle for two streams of sewage which flow upon it without regulation or control.

13. In giving any official sanction to measures of this nature, I must however recapitulate the conditions upon which alone they can be undertaken with safety.

i That all filth be carefully excluded from the rubbish, and sweepings; the former being conveyed by canal to the Municipal depot, or consumed by cinerators.

ii That the deposit of rubbish be daily covered over with a layer of fresh earth not less than two feet thick.

iii That the ground thus reclaimed when sufficiently consolidated, be planted with grass, and the sewage now poured upon the surface be led into properly constructed reservoirs for utilization.

14. But in according my sanction to this experiment in raising and reclaiming the site by deposit of town sweepings and rubbish, covered with earth, I would still advise that progress be made in the erection of cinerators

I have the honor to be

Sir

Your most obedient servant

Wm J L Raiter

Sanitary Commissioner for Madras.

(True Copy)

James Munroe

Secretary Sanitary Commissioner
for Madras.

Copy 1

G. No. 24.

Municipal Commissioners Office
Madras April 26th. 1869. 19

From,

The President Municipal Commission
Madras.

To,

The Sanitary Commissioner
for Madras.

Sir,

With reference to your letter No. 618 of the 17th. Ultimo, I regret having again to trouble you on the subject of a site for the immediate disposal of rubbish, night soil &c., from the 1st. District before I can venture to commence on the Depot in D'Arnell's road in accordance with the conditions laid down in your letter above mentioned.

2. You inspected a short time ago the Cinerator in the Perambur Depot and are aware of the difficulties we have had to contend with in bringing it into use. I was there this morning, and though the work is being pushed on pretty rapidly, it must necessarily take some time longer before the approaches are sufficiently consolidated to allow of the Rubbish Carts depositing their contents, and passing on, but every day a small quantity of rubbish is consumed, no doubt a much longer time than I ever contemplated has been taken in the building and working of this Cinerator, but many circumstances combined to cause ^{the} delay in the 1st. place, the Executive Engineer had to construct it without ever having seen one before, and as he went on found it necessary to make several alterations, then again his time was very much taken up by other work, however, if as I hope

Incinerator succeeds, the others will be run up very quickly but not sufficiently so as to enable us to dispose of the enormous accumulation of filth from the 1st. District. The present Rubbish Depot near the Basin Bridge will in a very short time be exhausted, and then we have no place to go to, for it will take time to work out the conditions laid down in para 1 of your recapitulation, viz: "that all filth be carefully excluded from the rubbish and Sweepings, the former being conveyed by Canal to Manally Depot or consumed by Incinerators"

3 The Manally Depot will, I expect, in a very short time be closed to us, as in consequence of the low state of Cochrane's Canal, the cut leading up to Depot is dry, and the boats have to discharge from the Canal, and this objectionable measure will, I imagine, soon be brought to my notice by Mr. Fraser.

4 When the Ennore bar is opened and water let into the Canal, then we shall be able to use the cut again, but we cannot send all the refuse of No. 1 District to Manally, and we require therefore most urgently some site where we can deposit rubbish on the same system as at the other Depots, by the time the present one is filled up.

5 Such a site offers itself on a piece of private ground which the owner is willing to give up on certain conditions, situated in Cochrane's Canal, and a short distance north of the Railway Bridge over which we passed when inspecting the site proposed by Mr. Lee, for the removal to, of noxious trades; it was this site your Secretary was proceeding to inspect with the Sanitary

Inspector when he unfortunately met with an accident to his carriage and horses.

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6 I do not think there can well be any objection to this site, as it is removed from any crowded neighborhood, and there is no water supply to be affected by it, if therefore it would be convenient either to yourself or Doctor Broutgommery to meet me any morning you like to name, I should be glad to inspect the site with you.

7 The removal of such an enormous amount of Rubbish &c., as there is in the 1st. District is no doubt a very great difficulty, and until we get the Incinerators fairly into working order, we must necessarily go on in the way we are going at present, but I think you will allow that the Rubbish Depots are not the crying nuisance they were a year or 18 months ago.

I have the honor to be
Sir,

Your most obedient servant.
/Signed/ Charles Denison President
Municipal Commission.

Im. Copy
Edward Broutgommery
Secy. to the Commission

"Copy"

23

No 1130

Office of Sanitary Commissioner
Madras. 30th April 1869.

From

Sanitary Commissioner for Madras

To

The President
Municipal Commission
Madras

Sir I have the honor to acknowledge the receipt of your letter No 24 of the 26th Instant and as I am proceeding this day on duty to Bangalore, I have instructed my Secretary to meet you to inspect the site you allude to on Wednesday next at 6 A.M.

2 I must however again advance the great objections I entertain in a sanitary point of view to further extensions of these filthy and publick depôts. It is a question of very serious importance in reference to the public health and as on the grounds set forth in my letter No 618 of the 11th Ultimo I do not feel myself in a position to sanction any extension of the system; it is my intention to submit the question for the consideration of Government.

I have the honor to be
Sir

Your Most Obedt. Servant

(Signed) J. L. Rautenberg
Sanitary Commissioner
for Madras

True Copy

Thomas John Gamm
Secy

Secretary, Sanitary Commissioner
for Madras

~~of our rubbish depôts~~

3. The reasons which induced me to approve of the site examined with you this morning are; 1st, That it is in moderate proximity to Black Town; 2nd, That the surrounding ground is scarcely at all inhabited; 3rd, That the only water supply likely to be contaminated by it is that of Cochrane's Canal, which, you assure me, is not only not used for domestic purposes but is also very impure; and, 4th, That altho' the proposed site is to windward of the Madras Railway during a considerable portion of the year, you do not expect that under the improved system of Conservancy, now adopted for rubbish depôts, this will prove any source of annoyance to travellers by Railway.

4. In conclusion I would desire to urge upon you the absolute necessity of completing, with the least possible delay the Generator now under process of construction at Perambore. I cannot fail to regard this experiment as one of extreme importance, as being at once probably one of the most certain and least costly of any of the proposed substitutes for.

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for the existing methods of Conservancy which are, as repulsive as they are objectionable, on Sanitary grounds.

I have the honor to be
Sir,

Your most obedt. Servt.

(Signed) Howard B. Montgomery
M. D.

Secretary, Sanitary Commission
for Madras.

(True Copy)

O. Ramaswamy Reddy

Actg. Secy. President,
Mun. Commission.

Muncl. Commissioners Office.
S. No. 24. Madras 2nd May 1869.

From,
The President
Municipal Commission.
Madras.

To
The Secretary.
Sanitary Commissioner for
Madras.

Sir,
With reference to your letter No. 1153 of
the 5th Instant, I observe in para 2 you state
the Sanitary Commissioner has under date
the 3rd current represented to Government his
strong objection to the system of Conservancy
adopted at the Brick Kiln road Depot and at
that at the N. W. angle of the old Town wall.
The present system has been adopted
at the Perambur Kubbick Depot Brick Kiln
road since October 1867, and at that in Town
and at Kistnampett at subsequent dates.
On reference to the Sanitary Commissioner's
letter No. 102 of the 24th January 1868, Para 1st
wherein he states, "Although I am prepared
to

to admit that the present method of disposal of rubbish by burial is so far as atmospheric contamination is concerned an improvement upon the old system, it must be remembered that there is still the danger of contamination of the water supply (as observed in my former communication) a question certainly of quite as much gravity as that of contamination of the air.

At the site inspected by you on morning of the 5th Instant there cannot certainly be much danger of contamination of water supply, as the water of Cochran's Canal is not sweet and had it ever been so has been sufficiently contaminated by that most filthy of all places, Manally Depot. I am a little surprised at the Sanitary Commissioner in his letter of the 3rd Instant having represented to Government his strong objection to the system of Conservancy adopted at the Brick Field Road Depot, and as that of the E. W. angle of the old Town wall for there cannot be a doubt as to the present system being an immense improvement on the old, for whereas before October 1847 there were constant complaints of the 6th Manally Depot and

and it was without doubt a most abominable nuisance, since the present system was first introduced there have been no complaints, and I have inspected the Depot on several occasions with the Sanitary Commissioner, and there has been no offensive smell. I consider therefore the Sanitary Commissioner's letter of the 5th Instant may tend to mislead Government, and I purpose therefore forwarding to the Chief Secretary your letter under my signature together with my answer.

I have the honor to be
Sir,

Your most obedient servant

Wm. Charles Benson.

President. Municipal Commission.

(True Copy).

P. Ramaswamy Sastry.

Actg. M. P. President.

Municipal Commission.

(Copy)

Office of Sanitary Commissioner
May 16 1869 35

From

The Secretary, Sanitary Commissioner
for Madras

To

The President, Municipal Commission
Madras.

Sir

With reference to our inspection this morning of
the site which you propose for a new rubbish depot,
I have the honor to state that I do not see any ob-
jection to its employment for this purpose, if sanc-
tioned by Government.

2

The Sanitary Commissioner has, under
date 3rd current represented to Government his strong
objection to the system of conservancy adopted at the
Brick Kiln Road depot, and at that, at the North
West angle of the old Town Wall; I am therefore to
impress upon you that the opinion expressed in the 1st
Para of this letter is merely to be held as having effect
should Government sanction the institution of new rub-
bish depôts.

3

The reasons which induced me to appear
of the site examined with you this morning are 1^{stly} That
it is in moderate proximity to Black Town, 2^{ndly} That
the surrounding ground is scarcely at all inhabited, 3^{rdly}
That the only water supply likely to be contaminated
by it is that of Cochrane's Canal which, you assure me,
is not only not used for domestic purposes but is also
very impure and 4^{thly} That altho' the proposed site is
to windward of the Madras Railway, during a conside-
rable portion of the year, you do not expect that under
the improved system of conservancy, now adopted for
rubbish depôts, this will prove any source of annoyance
to travellers by Railway.

4.

In conclusion I would desire to urge
upon you the absolute necessity of completing with
the least possible delay the cinerator now under pro-
cess of construction at Perambore, I cannot fail to re-
gard this experiment as one of extreme importance, as
being

Forwarded by mail this
evening with the Sanitary
Commissioner's report.
Wm. H. H. H. H. H.
withd. of the San.

No 363

S. A. 733
2/8/89
W. H. H. H. H.

Sanitary Commissioner
Madras
Municipal Commission
Madras

"Copy"

S. No. 34

Municipal Commissioners Office
Madras 8th. May 1869. 37

From

The President Municipal Commission
Madras.

To,

The Secretary Sanitary Commissioner
for Madras.

Sir,

With reference to your letter No. 1153 of the 10th. Instant, I observe in para 2 you state, the Sanitary Commissioner has under state the 3rd Current represented to Government his strong objection to the system of Conservancy adopted at the Brick Kiln Road Detritus, and at that at the N.W. angle of the old Town wall.

The present system has been adopted at the Perambur Rubbish Detritus Brick Kiln road since October 1867, and at that in Town and Northampton st subsequent dates. On reference to the Sanitary Commissioner's letter No. 102 of the 24th. January. 1868 Para 7 I observe he states "although I am prepared to admit that the present method of disposal Rubbish by burial is so far as atmospheric contamination is concerned an improvement upon the old system, it must be remembered that there is still the danger of contamination of the water supply (as observed in my former communication) a question certainly of quite as much gravity as that of contamination of the air."

At the site inspected by you on morning of the 5th. Instant there cannot certainly be much danger of contamination of water supply, as the water of Cochrane's Canal is not sweet, and had it been so

Being at once probably one of the most certain and best
means of conveying the refuse to the street
being of any of the proposed methods for the street
which are as effective as they are
I have the honor to be
Sir
Your most Obedient Servant
/Signed/ H. B. Montgomery
Secretary, Sanitary Commissioner
for Madras.
Secretary, Sanitary Commissioner for Madras
Secretary, Sanitary Commissioner for Madras

been so has been sufficiently contaminated by that most filthy of all places - Namally 2 spots. I am a little surprised at the Sanitary Commissioner in his letter of the 3rd. Instant having represented to Government his strong objection to the System of Conservancy adopted at the Brick Kiln Road Depot and at that of the N.W. angle of the old Town wall, for there cannot be a doubt as to the present system being an immense improvement on the old, for whereas before October 1867 there were constant complaints of the 1st. named Depot, and it was without doubt a most abominable nuisance, since the present system was fairly introduced there have been no complaints, and I have inspected the Depot on several occasions with the Sanitary Commissioner and there has been no offensive smell. I consider therefore the Sanitary Commissioner's letter of the 5th. Instant may tend to mislead Government, and I purport therefore forwarding to the Chief Secretary your letter under reply together with my answer.

I have the honor to be
Sir,
Your most obedient servant.
Signed/ Charles Denison President
Municipal Commission

/True Copy/

Howard P. Montgomerie
m f 20

Secretary Sanitary Commissioner for Madras.

"Copy"

No. 1162.

From,

To,

Sir,

Office of Sanitary Commissioner
Madras May 10th. 1869 91

The Secretary Sanitary Commissioner
Madras

The President Municipal Commissioners
Madras.

I have the honor to acknowledge receipt of your letter S. No. 34 dated 8th. Current.

2. I have to observe that you have misapprehended the purport of para 2 of my letter No. 1153. My remarks were intended to apply to the system of Conservancy (Rubbish Depots) and not to the details of it which have been greatly improved as has been frequently remarked by this Department. The objections, to the system as a whole, which have been so frequently raised by Hon^{ble} Mr. Ellis, Surgeon Major Ranking, and myself are as strong as ever so far as regards water contamination.

3. May I beg that you will be so kind as to add this letter to those you purpose submitting to Government.

I have the honor to be
Sir,
Your most obedient servant.
Signed/ Howard P. Montgomerie Secy.
Secy. Sanitary Commissioner

/True Copy/

Howard P. Montgomerie
m f 20

Secy. Sanitary Commissioner for Madras.

No. 1184

OFFICE OF SANITARY COMMISSIONER,
Madras, 10th May 1869.

From

Secretary Sanitary Commissioner for Madras,

To

The Chief Secretary to Government
Fort Saint George

Sir,

Enclosures 3.

In the absence of the Sanitary Commissioner on inspection duty I have the honor to forward, with reference to his letter No 1140, dated 3rd current, further correspondence on the subject of Rubbish and Filth Depôts for the Town of Madras, for the information of Government.

I have the honor to be
Sir

Your most obedient Servant

James B. Cunningham
Secretary, Sanitary Commissioner
for Madras.

Office of Sanitary Commissioner
Madras 10th May 1889

No. 1162.

From.

The Secretary.

Sanitary Commissioner for
Madras.

To.

The President.

Municipal Commission.
Madras.

Sir,

I have the honor to acknowledge receipt of
your letter No. 34, dated 8th current.

2. I have to observe that you have misapprehended
the purport of para 2 of my letter No. 1162. My
remarks were intended to apply to the system of
Conservancy (Nabbi) (Depots) and not to the details
of it which have been greatly improved as has been
frequently remarked by this Department. The objection
to the System as a whole which have been so fre-
quently raised by Honble. Mr. Ellis, Surgeon Major
Ranking, and myself are as strong as ever so far
as regards water contamination.

3. May I beg that you will be so kind as to add
this letter to those you purpose submitting to Government.

I have the honor to be
Sir,

Your most obedient servant
(signed) Howard. R. Montgomery. Esq.
Secy. Sanitary Commissioner for Madras

(For Copy) P. Ramaswamy Reddy.
Actg. Secy. President.

No. 8410 482.

From

To the Secretary to Government
Madras 1st June 1889

Sanitary Commissioner

for Madras,

To

The Secretary to Government
Madras 1st June 1889

Dated

10th May

Despatched

11th May

Received

11th May

No. 8414

No. 1164

Enclosure.

Enclosure for the Secretary to Government
on the subject of the Nabbi and
Nabbi Depots for the Town of
Madras.

742

Munch. Commissioners Office

L. No: 35.

Madras 10th May 1869.

From,

The President.

Municipal Commission.

Madras.

To,

The Chief Secretary to Government.

Fort Saint George.

Madras.

Sir,

In continuation of my letter of the 8th Instant I have the honor by desire of the Secretary to the Sanitary Commissioner to forward the accompanying copy of a letter from that Office No: 1162. of this day's date.

I have the honor to be

Sir,

Your most obedt. Servt.

Undersigned President.

Municipal Commission.

Recd. June 14th A.D. 1869.
J. M. 1869/3/109

458

7-8-40 - 200 pages

S.O. 739.

Public Mass Appeal
 First Lane 189
 Towne
 Recd of Boston County
 35-
 S.O. 733.
 10/10 & 11/1
 1891
Do. 895
 West
 Newark South Gate
 from very satisfactory
 Court regarding matter
 Replevin - Worcesterway



of Cinerators

2- The Sanitary Comm^{rs} points out that the Cinerator which the Municipal Comm^{rs} promised to commence in January 1868, is not yet completed. He feels that he would not be justified in according his assent to the institution of a new public deposit, except under the approval of Govt, and he suggests that this approval should not be given unless it is proved satisfactorily, that water carriage has been availed of to the fullest extent. He also solicits that instructions may be issued to the Municipal Comm^{rs} to complete, at once, the Cinerator promised to be erected by them, and that

On

on receipt of a favorable report upon it, the Comm^{rs} should be required to meet the others proposed to them.

3- The President of the Municipal Commission, in his letter of the 8th instant No 33, refers to the past and present condition of the public deposit on the Spick Hill road, and pronounces the present system of burying the public, to be a vast improvement on the old. He hopes, next year, or before then, to be able to report a still further improvement by cremation, but he adds, "the building of Cinerators takes some time and requires experience, and an experimental

On

at the Perambur Depot.
which Kilm Road, does not yet
as I would wish, for it
~~is not yet brought~~
than gets into the Cham-
bers and we shall have to
remedy this, I believe, by a
Steam Blast. -"

The Govt considers
the delay which has taken
place in erecting and testing
the Cinerator referred to, & by
considering the great im-
portance attached to the
disposal of rubbish & filth
by cremation, ~~very~~ unsatis-
factory. Until the Cinerator
favorably reported upon
and others are built, which
they should be with the
least possible delay, the
Govt.

Government will not object
to the rubbish of the 1st district
being buried in the site pro-
posed in the vicinity of the
gun powder manufactory, ^{when} ~~provided~~ ^{it is} ~~provided~~
that the rub-
bish deposited is covered daily
with at least two feet of fresh
earth, and on the understand-
ing that the Manalle Depot
will be made use of for
"excreta" and other noxious
filth so soon as the ^{Canal} is again
navigable.

155

The Sanitary Commissioner }
" Presd. Mun. Comm. Madras. } *desp 2/6*

July 1869

1873.

Readings of the
Madison Journal.

Printed June 1869.

11015.

22-27
22.