

MADRAS RECORD

Government of Madras.

DEPARTMENT.

G.O. No.	Press Mis.
Dated 13-8-	1867

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Department,
13th August 1869.*

No. 89. Read the following letter from the Secretary to the Government of India, Home Department, (Sanitary,) to the Chief Secretary to Government, Fort Saint George; dated Simla, 21st July 1869, No. 321.

I am directed to forward the papers noted in the margin, relative to measures to be adopted for testing Professor Pettenkofer's theory regarding the origin and propagation of cholera, and to request that, under the orders of His Excellency in Council, steps may forthwith be taken for the institution of experiments, as suggested, in selected civil stations in the Madras Presidency, and that a statement of the recorded results of the experiments, up to the 31st of December next, may be submitted for the information of Government, the observations being continued after that date pending further instructions.

Copy of a letter from the Sanitary Commissioner with the Government of India, No. 529, dated 29th June, with enclosures.

From the Sanitary Commissioner with the Government of India, to the Secretary to the Government of India, Home Department; dated Simla, 29th June 1869, No. 529.

I have the honour to forward copy of a letter to the Military Department, No. 521, dated 26th instant, and also 100 copies of Memorandum on the mode of testing Pettenkofer's theory regarding the circumstances under which cholera is propagated therein referred to.

2. I have the honour to propose that the required apparatus should be provided at a few selected civil stations in each local Government and Administration, and daily observations recorded at them after the manner suggested for military cantonments. The selection might be made on the recommendation of the local Sanitary Commissioners.

From the Sanitary Commissioner with the Government of India, to the Secretary to the Government of India, Military Department; dated Simla, 26th June 1869, No. 521.

One of the most important points to be investigated by the two Medical Officers, who were specially selected for conducting an inquiry into the origin and propagation of cholera, is the particular view advanced on the subject by Professor Pettenkofer of Munich.

2. Arrangements have, I understand, been made in Calcutta with a view to test the truth of Pettenkofer's ideas; but as cholera is always present there in a greater or less degree, the circumstances are not so favourable for the inquiry as they are in many other parts of India.

3. It appears, moreover, that observations on the level of the sub-soil water can be easily made without any scientific acquaintance with the subject; and it is evident that the wider the area over which such observations are carried on, the more important will be the information likely to be obtained.

4. Under these circumstances, I requested Drs. Cunningham and Lewis to prepare a concise memorandum, showing, *first*, what Pettenkofer's theory is, and, *secondly*, what are the best measures for putting it to the test. They have accordingly prepared the memorandum, copies of which are herewith forwarded; and I have the honour to suggest that one or two should be forwarded to each military cantonment through whatever channel the Government may think best, so that the required data may be carefully collected. The necessary apparatus is inexpensive, and might be erected without delay. One well in each military cantonment will be sufficient, and the only precautions which appear to be advisable are to select a well as much isolated as possible from other wells constantly in use, to protect the top from direct rain-fall, and to record the levels at least once daily.

5. As cholera is already widely spread and threatens to become generally epidemic in the upper provinces during the present year, the necessary instructions should be issued without delay. A daily register in some such form as the following should be kept, and copies of these registers forwarded at the end of six months, so that they may ultimately reach Drs. Cunningham and Lewis.

Proceedings of the Madras Government, Public Department,

13th August 1869.

On examination of the data so collected, these gentlemen will be able to institute additional inquiries on the subject, and, if necessary, to visit the places in which the phenomena appear to require further elucidation.

6. It will be understood that the observations are not to be confined to the time during which cholera may be prevalent, but should be kept up continuously every day.

Form of Register.

[illegible]

7. A copy of this letter will be forwarded to the Home Department, with the suggestion that similar investigations should be conducted at some selected civil stations in each Province.

No. 90.

ORDER THEREON, 13th August 1869, No. 1136.
letter, and its enclosure.

The foregoing letter, and its enclosures, will be communicated to the Sanitary Commissioner, who will state the measures which he would propose for testing Professor Pettenkofer's theory regarding the origin and propagation of Cholera, and name the Civil Stations at which the investigations should be conducted.

(True Extract.)

(True Extract.)

R. S. ELLIS,
Chief Secretary.

To the Sanitary Commissioner, with the Diagram.

Exd. J. Wright.

5x

Oct. 1867

- Public

THE FUTURE OF THE FUTURE

11-11-11

Heck:

THE UNIVERSITY OF CHICAGO

AUGUST

100

Directing the Sanitary Commissioner, with

7*

DIAGRAM OF APPARATUS
 SUGGESTED FOR OBSERVING
 VARIATIONS IN THE LEVEL
 OF THE
 SUB-SOIL WATER

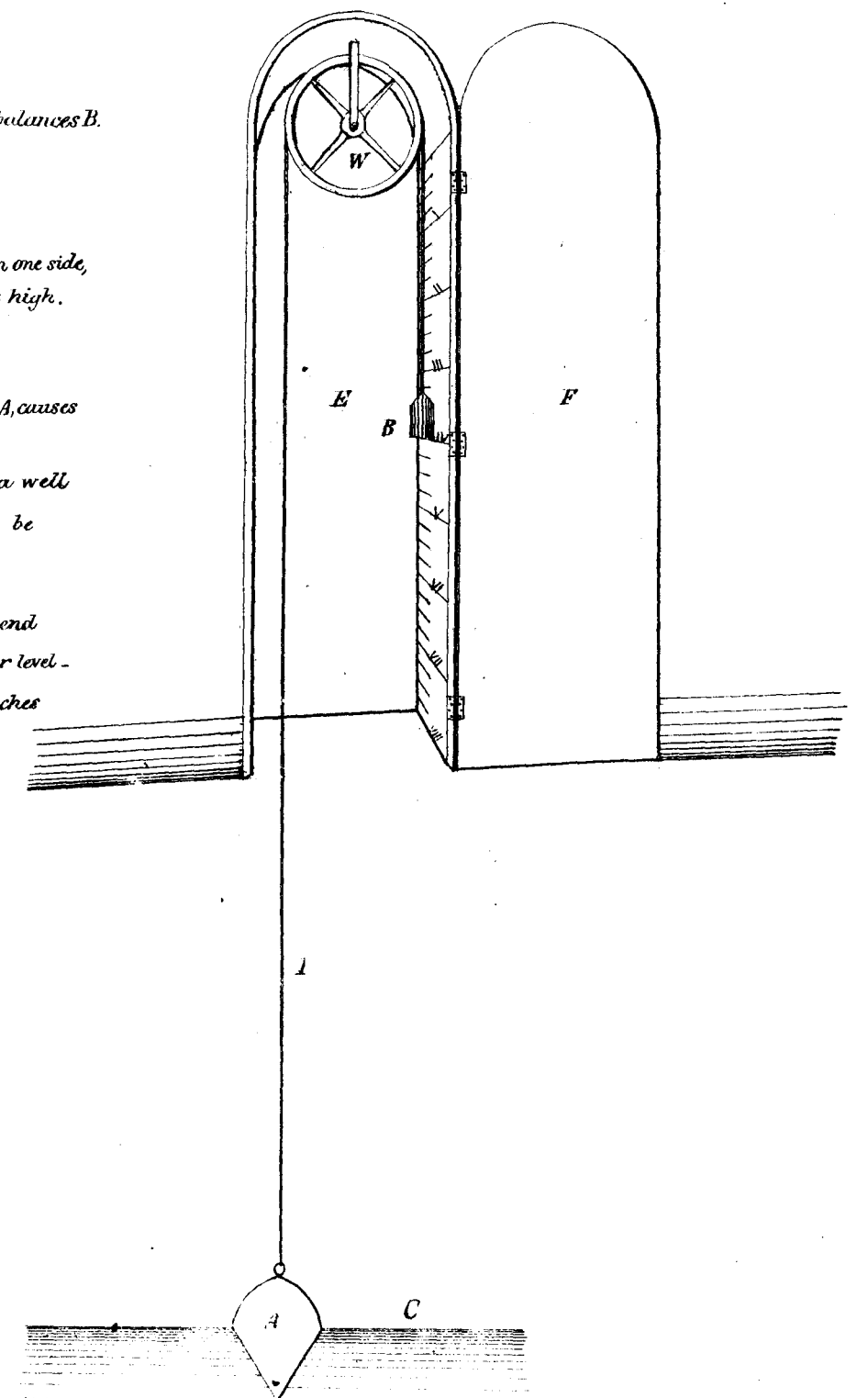
References

- A. Float which when in water (C) exactly balances B.
- B. Weight connected with A. by D.
- D. Cord passing over W.
- W. Easy going wheel
- E. Bar containing B W. &c., with scale painted on one side, against which B. hangs. Box here about 8 feet high.
- F. Hinged door of E.

Any change of level in C and therefore in A, causes corresponding change in B.

The apparatus is to be fixed firmly over a well kept for the purpose and then only requires to be read at intervals.

The height of the Box required will depend on the variations to be expected in the water level. The scale should be divided into feet and inches.



No. 321.

FROM

E. C. BAYLEY, Esq.,

Secretary to the Govt. of India,

To

Home Dept.
Sanitary.

SIR,

SIMLA, the 21 July 1869.

I AM directed to forward the papers noted in the margin, relative

Copy of a letter from the Sanitary Commissioner
with the Government of India, No. 529, dated 20th
June, with enclosures.

to measures to be adopted for testing
Professor Pattenkofer's theory regarding
the origin and propagation of cholera, and

to request that under the orders of His Excellency in Council
steps may forthwith be taken for the institution of experiments, as suggested, in
selected Civil Stations in the Madras Presidency
and that a Statement of the recorded results of the experiments, up to the 31st
of December next, may be submitted for the information of Government, the
observations being continued after that date pending further instructions.

I have the honor to be,

SIR,

Your most obedient Servant,

E. C. Bayley
Secretary to the Govt. of India.

Public Department.

PROCEEDINGS of the MADRAS GOVERNMENT.

Read the following letter from the

Secretary to the Government of India

(Here Enter 21st July 1884 No. 224)

Order thereon No. 1136-13 August 1884

The foregoing letter and its

enclosures will be forwarded to

the Sanitary Commissioner, who will state

the measures which he would propose

for testing Professor Battenkofer's theory

regarding the origin and propagation of

Cholera, and name the civil stations

at which the investigations should be

conducted.

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To the Sanitary Comm^r } dated 1/8
with the Sanitary Comm^r

Public 1884 - 1885

Order No. 1136-13 August 1884

Secretary to the Government of India

1136-13 August 1884

1136-13 August 1884

1136-13 August 1884

1136-13 August 1884

Sanitary Commissioner, who will state
the measures which he would propose
for testing Professor Battenkofer's theory
regarding the origin and propagation of
Cholera, and name the civil stations
at which the investigations should be
conducted.

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Govt. of 1863 & 1864.

Public

To

Secretary of the

No. 216 of 1870
164 of 1870
1068 of 1870
120 of 1870

Date Aug. 13

1867

Recd

No.

Nos. 29. 90.

Resolving the doubts of the
and performance in the
from the Govt of the
state the measure of
the would perform
history of the
there regarding the
propagation of
to name the Govt
at which the
should be conducted.