

(1) Number of pages 6

(2) Date of repair 15-4-43

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

P. W. DEPARTMENT.

G.O. No. <u>1 932</u>	Press ~~Mis.~~
<u>610-611</u>	
Dated <u>28-6-</u>	<u>1867.</u>

Not to be folded or roughly handled

No. 610. Read the following Proceedings of the Board of Revenue, dated 18th June 1867, No. 3,768 :—

Read the following letter from the Inspector General of Ordnance and Magazines, to the Secretary to the Board of Revenue, dated Fort Saint George, 21st May 1867, No. 789.

"I have the honour to express my regret at the long delay which has occurred in regard to your repeated Official Memoranda, (the last No. 4, dated 30th March 1867,) about a Crossley's Rain Gauge forwarded to me in August 1866. By some mistake, it appears that you are under the impression that the Rain Gauge in question was issued for the use of the Observatory, on the 17th of November 1866, but such was not the case. It was forwarded to me by Captain R. C. Smith, Acting Commissary of Ordnance in charge, on the 25th August 1866, in compliance with the Proceedings of the Board of Revenue, No. 5,674, dated 14th August 1866, for examination and report. No other Rain Gauge has at any time been received from your department. I herewith return it, and shall be glad of an acknowledgment at convenience.

"As a Crossley's vibrating Rain Gauge it is undoubtedly well constructed, and with the exception that the discharge pipe underneath is unsoldered, it is in good order. I must, however, remark that no Crossley's Gauge is of the slightest use, unless after being carefully set up in its intended place it is adjusted, a better still compared for son etime with an ordinary Standard Gauge, and a factor deduced from such comparisons, by which to multiply the readings of its dial to reduce the recorded measurements to actual inches of rain-fall. Even with such precautions most scrupulously taken, its results are not comparable in accuracy with those of an ordinary tin Baily Gauge of the pattern now adopted by the Board of Revenue. In the absence of a self-registering gauge, or rather when the Observatory Anemograph was undergoing alteration, I found a Crossley's Gauge, used in connection with the Standard Ground Gauge, vastly convenient for subdividing the total fall, as registered from the latter instrument, into hourly rain-fall, but for any other purpose I regard all Crossley's Gauges as objectionable and unworthy of reliance. They do not even register strictly alike in light or heavy rain, and I would on no account permit one to be used by any observer over whom I had the slightest control."

With reference to the Proceedings of the Board of Revenue, I have the honour to annex in the margin, copy of a report by Mr. Pogson, on Crossley's Rain Gauge, from which it will be observed that this description of of Rain Gauge is not adapted for practical purposes.

Submitted to Government, Department of Public Works, in continuation of the Board's Proceedings, dated 14th August 1866, No. 5,674. It will be observed that the pattern of Pluviometer now in stock appears to be unsuitable.

Proceedings of the Board of Revenue, dated 14th August 1866, No. 5,674.

Read the following Official Memorandum from the Deputy Inspector General of Ordnance and Magazines, to the Secretary to the Board of Revenue, dated Fort Saint George, 2nd July 1866, No. 630.

1 With reference to the annexed copy of Proceedings of Government, in the Public Works Department, No. 1,672, dated 26th May 1866, the Inspector General of Ordnance and Magazines has the honour to request information as to whether any of the Rain Gauges are required by the Secretary, Revenue Board, the price of each gauge being Rupees 10-1-9.

Proceedings of the Madras Government, Public Works Department, 26th May 1866.

Read the following letter from the Inspector General of Ordnance and Magazines, to the Secretary to Government, Department of Public Works, dated Fort Saint George, 15th May 1866, No. 11 :—

I have the honour to bring to notice, that of forty Pluviometers indented for in 1857, for the Department Public Works, only six have been issued, and to request you will be so good as to inform me whether the remaining number are required and may be transferred to the Stores of the Department Public Works, and if not, whether they may be offered to some other Public Department, or disposed of by public auction.

ORDER THEREON, 26th May 1866, No. 1,672

As the Pluviometers, which are referred to in this letter, are not required for the Department of Public Works, they may be offered to other Public Departments requiring them, or be disposed of by public auction.

(True Extract)

CHARLES A. ORR, Colonel, R. E.,
Secretary to Government

*Proceedings of the Madras Government, Public Works Department,
23th June 1867.*

1. The Board observe that they have recommended to Government that the duty of supplying Rain Gauges to Public Departments should be made over to the Government Astronomer, but that the question appears to be still under consideration ; and they accordingly now solicit the attention of Government to their orders, in the Revenue Department, dated 27th August 1863, No. 1,574, and 14th June 1865, No. 1,327, in which the point was referred for consideration in the Public Department.

2. In the meanwhile it appears desirable that the Inspector General of Ordnance and Magazines should forward one of the Rain Gauges referred to by him for the report of the Government Astronomer.

No. 611.

ORDER THEREON, 28th June 1867, No. 1,932.

CIVIL WORKS, No 73.

Ordered to be recorded.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Board of Revenue
,, Inspector General of Ordnance and Magazines

Exl S T Augustin

No. 5,674.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 14th August 1866.

Read the following Official Memorandum from Colonel J. L. BARLOW, Deputy Inspector General of Ordnance and Magazines, to the Secretary to the Board of Revenue, dated Fort Saint George, 2nd July 1866, No. 600:—

I With reference to the annexed copy of Proceedings of Government, in the Public Works Department, No. 1,672, dated 26th May 1866, the Inspector General of Ordnance and Magazines has the honor to request information as to whether any of the Rain Gauges are required by the Secretary, Revenue Board, the price of each gauge being Rupees 10-1-9

Proceedings of the Madras Government, Public Works Department, 26th May 1866.

Read the following letter from the Inspector General of Ordnance and Magazines, to the Secretary to Government, Department of Public Works, dated Fort Saint George, 15th May 1866, No. 11:—

I have the honor to bring to notice, that of forty Pluviometers indented for in 1857, for the Department Public Works, only six have been issued, and to request you will be so good as to inform me whether the remaining number are required and may be transferred to the Stores of the Department Public Works, and if not, whether they may be offered to some other Public Department, or disposed of by public auction.

ORDER THEREON, 26th May 1866, No. 1,672.

As the Pluviometers, which are referred to in this letter, are not required for the Department of Public Works, they may be offered to other Public Departments requiring them, or be disposed of by public auction.

(True Extract)

CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

1. The Board observe that they have recommended to Government that the duty of supplying Rain Gauges to Public Departments should be made over to the Government Astronomer, but that the question appears to be still under consideration ; and they accordingly now solicit the attention of Government to their orders, in the Revenue Department, dated 27th August 1863, No. 1,574, and 14th June 1865, No. 1,327, in which the point was referred for consideration in the Public Department.

2. In the meanwhile it appears desirable that the Inspector General of Ordnance and Magazines should forward one of the Rain Gauges referred to by him for the report of the Government Astronomer.

(A true Copy and Extract.)

(Signed) R. A. DALYELL,
Sub-Secretary.

To the Secretary to Government, Revenue Department.

Copy to the Deputy Inspector General of Ordnance and Magazines.
,, to the Government Astronomer.

Edw. J. Wright.

Soliciting attention to Orders referring for consideration in Public Department the recommendation that duty of supplying Rain Gauges be made over to Government Astronomer; and suggesting that one of the Rain Gauges now remaining with Inspector General of Ordnance and Magazines be forwarded to that Officer for report.

No. 5,674.

Dated 14th August 1866.

PROCEEDINGS OF THE BOARD OF REVENUE,

No

1866.

Department.

Examine the No. of this of Rain Gauge to the Inspector General of Ordnance and Magazines 1866

No. 3,768
PROCEEDINGS OF THE BOARD OF REVENUE, dated 18th June 1867
Read the following letter from Colonel G. W. Y. SIMPSON, Inspector General of Ordnance and Magazines, to the Secretary to the Board of Revenue, dated Fort Saint George, 21st May 1867,
No. 789 —

"I have the honour to express my regret at the long delay which has occurred in regard to your report at 10th of March 1867, (the last No. 4, dated 1st March 1867,) about a Rain Gauge forwarded to me in August 1866. By some mistake, it appears that you are under the impression that the Rain Gauge in question was issued for the use of the Ordnance, on the 17th of November 1866, but such was not the case. It was forwarded to me by Captain R. C. Smith, Acting Commissioner of Ordnance in charge, on the 20th August 1866, in compliance with the Proceedings of the Board of Revenue, No. 5,674, dated 14th August 1866, for examination and report. No other Rain Gauge has at any time been received from your department. I herewith return it, and shall be glad of an acknowledgment at convenience.

"As a Crossley's vibrating Rain Gauge it is undoubtedly well constructed, and with the exception that the discharge pipe underneath is unsoldered, it is in good order. I must, however, remark that no Crossley's Gauge is of the slightest use, unless after being carefully set up in its intended place it is adjusted, a better still compared for some time with an ordinary Standard Gauge, and a factor deduced from such comparisons by which to multiply the readings of its dial to reduce the recorded measurements to actual inches of rainfall. Even with such precautions most scrupulously taken, its results are not comparable in accuracy with those of an ordinary (in Baily Gauge of the pattern now adopted by the Board of Revenue. In the absence of a self-registering gauge, or rather when the Observatory Anemograph was undergoing alteration, I found a Crossley's Gauge, used in connection with the Standard Ground Gauge, vastly convenient for subdividing the total fall as recorded from the latter instrument, into hourly rainfall, but for any other purpose I regard all Crossley's Gauges as objectionable and unworthy of reliance. They do not even register strictly alike in light or heavy rain, and I would on no account permit one to be used by any observer over whom I had the slightest control."

With reference to the Proceedings of the Board of Revenue, I have the honour to annex in the margin, copy of a report by Mr. Pogson, on Crossley's Rain Gauge, from which it will be observed that this description of Rain Gauge is not adapted for practical purposes.

Submitted to Government Department of Public Works, in continuation of the Board's Proceedings, dated 14th August 1866, No. 5,674. It will be observed that the pattern of Pluviometer now in stock appears to be unsuitable

(A true Copy and Extract.)

W. H. P.

Secretary.

To the Secretary to Government, D. P. W.,
with copy of Board's Proceedings, dated 14th August 1866, No. 5,674.

Copy to the Inspector General of Ordnance and Magazines.

Exd. J. Wright.

Wm. H. Webb
Proprietor of the
Dept. of the Interior
June 22 1867

1867.

Department.

No.

PROCEEDINGS OF THE BOARD OF REVENUE.

Date 18th June 1867.

Aug 22 1867

Oct 24 1867

Nov 1 1867

No 5768.

Submitting letter from Inspector General of
 Ordnance and Magazines annexing one from Go-
 vernment Astronomer pronouncing Crossley's
 Rain gauge as unsuitable for practicable purposes

Oct 19 1867 - 28th June 1867

With acc. Oct 1867

Call June 15

Oct 1867 - 611

File 180 & over
3 - Books sent to Alex. H. Hingston
Start 1867
28th June 1867
July 17/67

Recd
1867
1867