

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No.	719	Press
		Mis.
Dated	9-8	18

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
9th March 1864.*

No. 227. Read the following Proceedings of the Madras Government in the Marine Department:—

Communicating letter from the Master Attendant in charge of the Marine Superintendent's Office, reporting on the suggestions of Sir M. Stephenson for utilizing the Madras Pier. } (Here enter 24th February 1864, No. 30.)

No. 228. ORDER THEREON, 9th March 1864, No. 719.

1. In his letter to the Superintending Engineer, 4th Division, dated 4th January 1864, Sir M. Stephenson submitted certain suggestions as likely to assist in further utilizing the Madras Pier, by obtaining at a moderate cost smooth water at all times for landing and embarking passengers and goods.

2. The experimental operations advocated by Sir M. Stephenson consisted in the construction of two descriptions of floating timber break-water, to be chain-moored in such positions, and at such angles to the surf and to the direction of the North-East Monsoon, as experiment may decide with a buoy to each mooring chain, to regulate the rise and fall.

3. In submitting Sir M. Stephenson's suggestions for consideration, the Superintending Engineer, 4th Division, observed that his want of experience of floating break-waters did not warrant him in passing an opinion that could be considered as of any value in advising Government as to constructing such a frame work as was proposed, but he nevertheless expressed his conviction that the experiment was not likely to answer.

4. On the 15th January the subject was referred, through the Marine Department, for the opinion of the Superintendent of Marine, who, in his letter No. 463, dated 17th ultimo, recorded in the foregoing Proceedings, expresses his concurrence in the remark of the Superintending Engineer, 4th Division, and states that, in his opinion, "it would be throwing away public money in trying the experiments of floating break-waters."

5. On full consideration of the subject, the Governor in Council is not disposed to sanction any outlay being incurred on the works proposed by Sir M. Stephenson, as in the opinion of the Superintending Engineer, as well as in that of the Superintendent of Marine, they are not likely in the end to prove successful.

(True Extract.)

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

To the Superintending Engineer, 4th Division.
" Marine Department.

Exd. S. T. Augustin.

MARINE DEPARTMENT.
PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following papers:—

Proceedings of Government in the Public Works Department.

Referring through this Department, for the opinion of the Superintendent of Marine, letter from the Superintending Engineer, 4th Division, together with one from Sir M. Stephenson, Civil Engineer, offering suggestions for the utilizing of the Pier. (Dated 15th January 1864, No. 152.)

Referred to the Master Attendant in charge of the Office of Superintendent of Marine.
FORT SAINT GEORGE,
25th January 1864. (Signed) A. J. ARBUTHNOT,
Chief Secretary.

From H. D. E. DALRYMPLE, Esq., Master Attendant in charge of the Marine Superintendent's Office; to the Honorable A. J. ARBUTHNOT, Chief Secretary to Government, Marine Department, Fort Saint George, dated Madras, 17th February 1864, No. 463.

Letter from the Superintending Engineer, 4th Division, to Secretary to Government, Public Works Department, dated 8th January 1864, No. 4413, with an enclosure.

With reference to the papers as per margin, and Orders of Government thereon, under date 15th January 1864, I have the honor to submit the following report.

2. I quite agree with Colonel Boileau in paragraphs 3, 4 and 5 of his letter to the Secretary to Government, Public Works Department, and I am of opinion that it would be throwing away public money in trying the experiments of floating breakwaters, &c.
3. Besides other objections, I beg to point out that floating timber in this roadstead must be landed periodically to be dried and cleansed, and if this is not attended to it becomes sodden, covered with barnacles, and eventually perforated by sea insects and destroyed.
4. It must also be remembered that the first hard gale would sweep all the floating breakwaters away, and most likely damage the Pier.

ORDER THEREON, 24th February 1864, No. 30.

• Mr. Dalrymple's letter will be communicated to the Public Works Department.
(True Extract.)

A. J. Arbuthnot
Chief Secretary.

To the Public Works Department, with Sketch returned. ✓
„ Master Attendant in charge of the Office of Superintendent of Marine.

Exd. J. Tulloch.

15 spare copies

17/11
being no experience myself passengers and goods.

2nd March 1864 P.M.

No 227

No 19-9th March 1864

Communicating to
from the Master Attendant
charge of the Marine Dept
reporting on the suggestions
of Sir M. Stephenson for uti-
lizing the Madras Pier.

81. 1864

Received 1 March

Director of Marine

Marine Dept

of Govt in the

19/9/19

1864

1864

P.M.

5

19/9/19

Proceedings of the Madras Government
Under date the 9th March 1864

Read the following
Proceedings of the Madras Government
in the Marine Department.

Communicating letter
from the Master Attendant in
charge of the Marine Superintd
office, reporting on the suggestions
of Sir M. Stephenson, for uti-
lizing the Madras Pier.

Here enter 24th February 1864
1864

In his letter to the
Superintending Engineer 1st

Dated 4th January 1864

Sir M. Stephenson

submitted certain sugges-

tions as likely to assist

in further utilizing the

Madras Pier, by obtaining

at a moderate cost smooth

water at all times for

landing and embarking
passengers and goods.

I quite agree in the
opinion expressed by
the Sup^d Eng^r & the
Sup^d of Marine. The
Experiment has often
been tried & failed. The
whole effect of the floating
breakwater is to check
the tendency of the
upper part of the wave
to curl over & break in
deep water - it does not
check the roll in the berth.

M

Having no experience myself

The experimental
operations advocated
by Sir M. Stephenson
consisted in the construction
of two descriptions of
floating timber breakwater.

to be chain-moored in
such positions, and at
such angles to the wind
and to the direction of
the North East monsoon,
as experiment may decide,
with a buoy to each
mooring chain, to regulate
the rise and fall.

In submitting Sir
M. Stephenson's suggestions
for consideration, the
Superintending Engineer
4th Div observed that

I am guided by the President's
observation that the proposed
measure has often been tried
& failed - unless however
I can discover some
experiment the Pier will be
of little use -
E.M.

I can give no opinion
on the professional
question - but it is me-
lancholy to think that
the Pier after having
cost so much should
be of so little use -
When will the question
be settled?
J.P.

his want of experience
of floating breakwaters
did not warrant him
in passing an opinion
that could be considered
as of any value in
advising Govt as to
constructing such a frame-
work as was proposed,
but he nevertheless ex-
pressed his conviction
that the experiment
was not likely to
succeed.

On the 15th Jan'y,
the subject was referred
to the Marine Dept,
for the opinion of the
Superintendent of Marine,
who, in his letter No. 463
of 17th ultimo, recorded
in

The foregoing No. 1, etc.
expresses his concurrence
in the remark of the
Superintendent 4th Div. and
states that, in his opinion,
"it would be throwing
away public money in
trying the experiments
of floating breakwaters"

On full consideration
of the subject, the Board in
Council is not disposed
to sanction any outlay
being incurred in the
works proposed by Sir
J. A. Stephenson, as
in the opinion of the
Superintendent, as well as
in that of the Super-
intendent of Marine

the are not likely in
its end to prove suc-
cessful.

W. H. H.

To the S. E. D. S.
to the Marine Dept 35

3
Decr 10th March

1864 Department
Proc. of Govt for March

No 719.

Proc. of the Cl. Govt
D/9 March/64

Sir M. Stephenson
Suggestions relative
to the utilizing of the
Maori's P. & C. des ap.
products of.

No 227. 228.