

ORDINARY, MS.

Mar DEPARTMENT.
G.O., DATED 20-7-95
No. 220

INDEXED.

When given for copying. 22/7

[Despatch Abstract.]

Stating that, as the best opinions obtainable on the whole question of protection of light houses from lightning will be sought, it does not seem advisable to make a reference to Messrs Chance Brothers regarding the lightning conductor of the light house at Point Divi.

May the 2nd
be returned to
P.W.D. in the
evening 11/10/95
11/10/95

READ AGAIN ORDER OF GOVERNMENT, DATED
189 , No. , MISCELLANEOUS.

ENCLOSURES.

CURRENT No.

STATEMENT WITH DITTO.

ORDER OF GOVERNMENT

LETTER OF GOVERNMENT.

STATEMENT WITH DITTO.

PAPERS NOT FILED UP, BEING MEANT FOR DESPATCH
IN ORIGINAL (not pagged).

N.B.

- A - Copy in full.
- B - Not to be copied.
- P - Copy abstract only.
- Q - Copy heading only.

BACK PAPER, No.

OF 189

FURTHER PAPER, No

OF 189

1895-
Public Works Department.

No. 1558 W
Dated 26 June 1895
Despatched

Received 27

Rept 28
Encls. 1+2 of eno 270 refd

CHIEF SECRETARY
27 JUN. 1895
GOVERNMENT OF MADRAS

Lightning Conductor of
the Light House at
Point Dui:-

Learning: to the onaxine
dept - certain informa-

tion regarding the
furnished by the P. E.

It circle

C.A.

Please see para 8 long m. a report

50-2,000-21-12-94.

Margo 12586-5-95 hui
S. C. of Mr ashpitel report.

Go. 20 July 1895
No. 220.

In para 10, Appendix A,

this report which is now
under consideration, Mr
ashpitel has raised the
whole question of protection
of light houses from light-
ning. The best opinions
on the matter obtainable
will be sought and it
does not therefore seem
advisable to refer isolated
questions connected with
the subject. [Besides which
the Govt is not aware
that Messrs Lalance
Brothers are experts in
lightning conductors.]

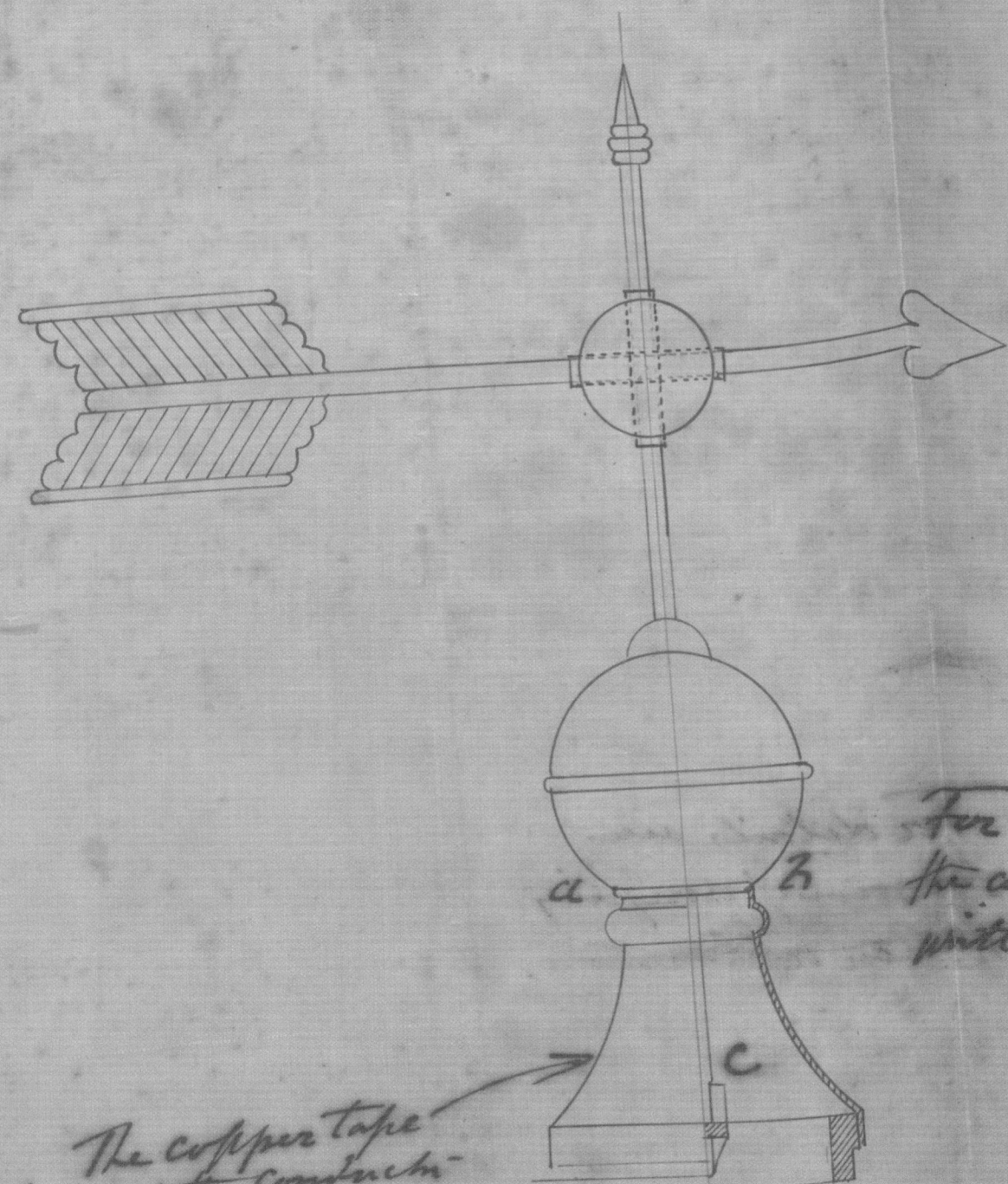
30/3.
14/7/95.

Issue

To the P. W. dept.
P. P. Office
Z. W. ashpitel Esq.

17/7

Sketch of Wind vane.
 Point Pine light house.
 — " —

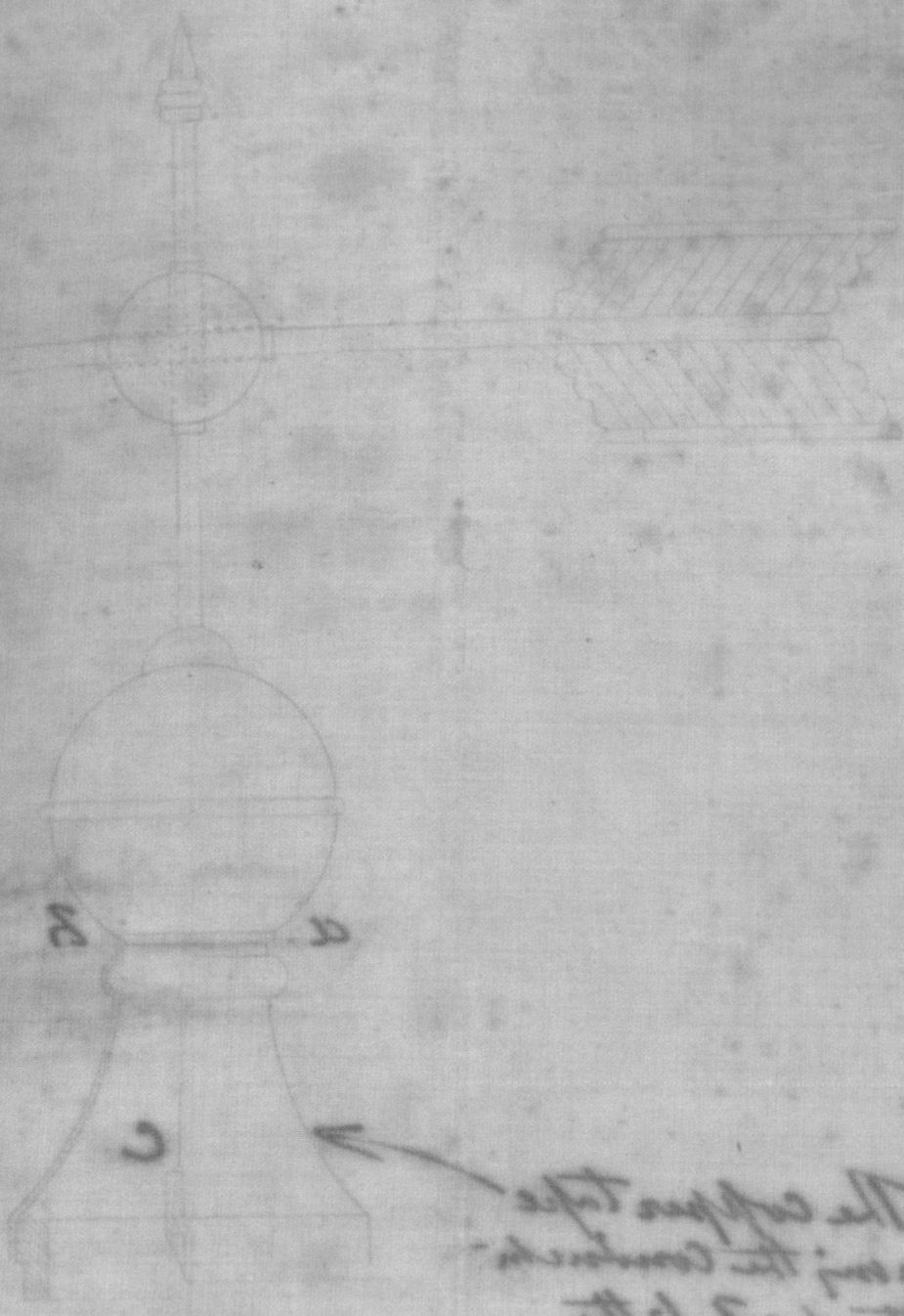


For details see
 the accompanying
 written explanation.

The copper tape
 forming the construction
 is attached to the
 lower part of the frame
 of the wind vane.

Wm Baddley
 10/3/95 Major R.E.

Sketch of Wind Vane of Point Ledge Lighthouse.



The details of the construction of the wind vane are given in the accompanying sketch.

23/12/95
23/12/95

23/12/95
23/12/95

The copper tape is attached to the lower part of the frame and the spindle.

Letter to Mr. 29/12/95
23/12/95

Sketch of the wind vane of Point Ledge Lighthouse.

The whole length of spindle copper ball revolve. The spindle pivotted at c. The frame of the vane below the line ab is attached to the dome of the lighthouse. There is no difficulty in making electrical connection between part of the frame and the hanging conductor tape.

It is found however in practice that the remainder of the wire is not in electric contact with the conductor, the reason is apparently that the contact at c is not sufficient for electrical purposes. What is required is some simple method of joining the spindle and the copper ball above ab, in electric contact with the lower part of the frame as before stated the difficulty in making an electrical connection between the lower part of the frame and the hanging conductor tape.

W. B. Adderley

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following

From the Supdg. Engineer II circle
no: 585 K. S. dated 7th June 1895.

In reference to G. O. no: 12346
of 23rd May 1895 I have the honour
to observe that in my explanatory
note attached to the sketch for-
warded with my no: 2912 K. S. dated
23-3-95, I stated "there is no
difficulty in making an electrical
connection between this part
of the frame and the lightning
conductor tape" and as a matter
of fact the tests taken showed
that the metal dome of the
light house at Point Diver was
in connection with the Conduc-
tor tape.

2. The principle that all masses
of metal should be connected with

[G.]
[1]

[Faint handwritten notes on the left page, mostly illegible due to fading and bleed-through.]

Ref to No 2912 K.S.
23-12-95

OC
23
66

125/95

the Conductor is a very old one, but I doubt whether separate branches are required from the Conductor to the lamp apparatus. I still think it would be advisable to refer my question to Messrs. Chance Brothers, for the projecting wind vane is as likely to be struck as any other part of the light house and if some simple method can be devised for placing it in electrical contact with the dome it will certainly be advisable to adopt it. My own opinion is that the mechanical difficulty has hitherto been the only reason for not connecting the wind vane with the dome or the lightning Conductor.

Order No: 1558W of 26th June 1895

Communicated to the Marine Department with reference to G.O. dated 6 May 1895 No: 125 Marine (True Extract)

Wickham

Secretary to Govt