

- (1) பக்கங்களின் எண்ணிக்கை 10
 (2) புதுக்கித் திருப்பிய நாள் 1/10/90
 (3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் ley

தமிழ்நாடு ஆவணக் காப்பகம்.

(36)

தமிழ்நாடு அரசு

P.W.O. துறை

அரசாணை எண். மு. கோப்புத் தாள் எண்.	2823	அச்சகம் பலவகை
நாள் :	26-10-1891	198

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

5-Sheets
 M. 24/10/90

ஆவண, கா-1-18,006-15-6-87.

26TH OCTOBER 1891, No. 2823 W., PUBLIC WORKS.

2823
1

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From J. W. MARTIN, Esq., Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department, dated Trichinopoly, 25th September 1891, No. 968 T.C.

Executive Engineers often propose to place the copper earth plate or coil of lightning conductors in wells from which the public draw water for drinking, &c., but I am not certain that it may not be objectionable as regards affecting the quality of water to place a copper plate usually 3' x 3' or a coil of copper tape about 33 feet long and say one inch wide in a well. I therefore request your instructions on this point. Perhaps it would be advisable to obtain the opinion of the Sanitary Commissioner as to whether the copper will seriously affect the quality of the water. If existing wells may be used, then, of course, there will often be a considerable saving, for it is desirable, whenever practicable, to terminate a lightning conductor in permanently wet soil or water even if this should involve making a well.

No. 4345 C.

Referred to the Sanitary Commissioner for favour of opinion.

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

5th October 1891.

From Surgeon-Major J. A. LAING, Sanitary Commissioner, Madras, to the Secretary to Government, Public Works Department, dated Fort St. George, 14th October 1891, No. 4128 S.

With reference to your endorsement No. 4345 C., dated 5th instant, on letter from the Superintending Engineer, VI Circle, dated 25th September, herewith returned, I have the honour to state that I do not think it advisable to place a copper plate or coil of copper tape in a well the water of which is used for drinking or domestic purposes.

ORDER—dated 26th October 1891, No. 2823 W., Public Works.

Communicated to officers and departments concerned for information and guidance.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
" Superintendent of Works, Periyár Project.
" Chief Engineer for Irrigation.
" Consulting Engineer for Railways.
" Local and Municipal Department.
" Revenue Department.
" Military do.

Exd. S. J. Pereira.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.
PUBLIC WORKS.

Dated October, 26th.

Recd.

Encl.

G.O., 26th Oct. 1891, No. 2823 W.

OCTOBER.

Lightning Conductors

Report of the Sanitary Commissioner, Madras, that it is inadvisable to place a copper plate or coil of copper tape in a well used for drinking or domestic purposes, communicated to officers of the department.

No.

968

OF THE SUPERINTENDING E

6TH CIRCLE.

Tichinopoly, 25th September 1891

From

J. N. Martin Esq.
The Superintending Engineer,

6TH CIRCLE.

To

The Chief Engineer,

PUBLIC WORKS DEPARTMENT.

SIR,

ENCLOSURES.

Executive Engineer of the proposed
to place the copper earth plate
or coil of lightning conductors
in wells from which the public
draw water for drinking &c. but
I am not certain that it may
not be objectionable, as regards
affecting the quality of water,
to place a copper plate usually
3' x 3' or a coil of copper tape about
3 ft long and say one inch
wide in a well - I therefore re-
quest your instructions on this
point - Perhaps it would be
advisable to obtain the opinion
of the Sanitary Commissioner
as to whether the copper will
really affect the quality of

If existing may be
used, of course, we will
often be a considerable saving
for it is desirable, whenever, prac-
ticable, to terminate lightning
conductors in permanently
wet soil or water, if this
should involve making a
well -

I have the honor to

be

Your most obedt. servt.

Wm. M. M.
Supy. Hy. Div. Wash.

Wm. M. M.

No. 4345-6 of 5 - October
1891

Referred to
The Sanitary Commission
for purpose of opinion

John B. ...
Colonel R.
Secy to Govt. P. W. Dept.

800
24.9.91

P. W. D. 6th CIRCLE.

From
The Superintending Engineer,
6th Circle.

To
THE CHIEF ENGINEER,
PUBLIC WORKS DEPARTMENT.

No. 95076

Dated 25 }
Received 26 } September 1891

Enclosures.

Lightning conductors
Requests instructions
with reference to the
advisability or otherwise,
of placing the copper
with plat, of - in
to form which
public obtain
ing water -

No. 4128
5

OFFICE OF SANITARY COMMISSIONER,
Fort St. George, 14 October 1891.

From

SURGEON-MAJOR J. A. LAING,
SANITARY COMMISSIONER,
Madras,

To

THE *Secretary to Government*
Public Works Department
Madras.

SIR,

Enclosures. 1

With reference to your endorsement No 4345C dated 5 instant on letter from the Superintendent Engineer 6th Circle dated 25 September herewith returned, I have the honor to state that I do not think it advisable to place a copper plate or coil of copper tape in a well the water of which is used for drinking or domestic purposes.

I have the honor to be,

Sir,

Your most obedient servant,

Jas. Anderson Laing
Surgeon-Major,
Sanitary Commissioner, Madras.

Public Works DEPARTMENT.

Memo No 4345 of 5-10-91

CURRENT No. 10942

Am
A

B.K.H.
circ. works

No. 2823 W of 26 Oct. 1891

From

SURGEON-MAJOR J. A. LAING,
SANITARY COMMISSIONER,
Madras,

40

1st

24 Oct

Communicated to officers
and departments concerned
for information and guidance

o.v.B.
16.10.91

To

THE *Secretary*
to Government

No.

28

Dated

14

Despatched

15

Received

16

October 1891.

ENCLOSURES. *1*

Subject.

States that it is inad-
visable to place a copper
plate in drinking
water wells.

No. 4345 of 5-10-91

With order

Suppy. Engineer
C.A. to Govt.
Supt. of Wks. P. Project
C.E. for Irrig.
C.E. for Ry.
L & M. Dept.
Rev. Dept.
Milky Dept.

26/10
23/10

2823
5

10702

Report of the Sanitary

Commissioners, Washington

10/11/91

26 Oct 91 20234

Lightning Conductors

Report of the Sanitary
Commissioners, Washington,
that it is inadvisable
to place a copper plate
or coil of copper wire
in a well used for
drinking purposes or
domestic purposes,
and to officers of
the Dept

250 / 18

(5)

C 441

10/11/91