

(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.	1525	Press
B.P. No.		Mis. —
Dated	1-6-	C875 —195—

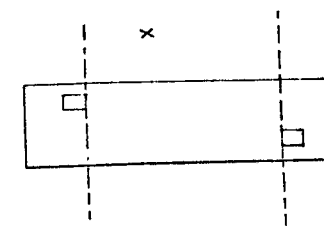
Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
1st June 1875.*

No. 14. Read the following letter from Major C. H. LUARD, R.E., Officiating Under Secretary to the Government of India, Public Works Department, (Railway,) to Colonel G. W. WALKER, R.E., Secretary to the Government of Madras, Public Works Department, (Railway,) dated Simla, 17th May 1875, No. 1,245 R. :—

I AM directed to acknowledge the receipt of your communication, No. 940, dated 9th April 1875, relative to the necessity for using extra fang bolts for fastening rails to creosoted pine sleepers on the South Indian Railway on curves of small radius.

2. In reply, I am to say that the Government of India are of opinion that the introduction of fang bolts will not meet the difficulty unless they are provided with keepers and washers. As a simple remedy, however, it is suggested that a small portion of bar iron punched with two holes thus—



might be laid under the rail and the spikes driven through the holes. The weight of the locomotive will gradually make this plate eat into the sleeper and the outside spike will not only get the assistance of the inside spike, but there will also be a certain amount of friction of the plate which will prevent it from moving and thus assist the spike.

3. I am to add that a rigid wheel base of 12 feet is considered too large for the locomotives of the metre gauge railways.

No. 15. ORDER THEREON, 1st June 1875, No. 1,525.

RAILWAY, No. 7.

COMMUNICATED to the Consulting Engineer for communication to the Agent of the South Indian Railway with

reference to G. O., No. 939, dated 9th April 1875.

(True Extract.)

Major, R.E.,

Offg. Joint Secretary to Government.

To the Consulting Engineer for Railways.

Exd. S. T. Austin.
Spare Copies

G.O. Nos 179-181. 9 Oct/75
Nos. 512-513. 24 Feb/76

Engineering drawings of 30-200000 lbs
14.6.75

Engineers for communication with regard
of the South Indian Railway with
reference to G.O. No. 939 of 19th April 1875.

No 14-15

Mr. 1875 Sept
No 3519

Govt of India.
Date 17th May 1875.
Recd. 26th May.
Recd. 29th May 1875.

Expressing opinion as
to the use of extra
strong bolts for fasten-
ing rails to cross-ties
and sleepers on the
South India Railway
in cases of small rails.

By Order 16. 24.5.75
Both sides.

3519

Govt. of India

PUBLIC WORKS.

The Engineer

Drawn

Arch.

Engr.

1 June 1915

14-15

Extra fang bolts for fastening
rails to creosoted pine sleepers
on the South Indian
Railway. — Letter of the
Government of India expressing
their opinion as to the use of
— on curves of small
radius, communicated to
the Consulting Engineer for
communication to the Agent.