M.R.O. 1—77,606—8-6-37.

(1) Number of pages 5

(2) Date of repair

(3) Initials of the Referencer

# MADRAS RECORD OFFICE.

## Government of Madras.

Public Works DEPARTMENT.

G.O. No. 2420 Press —Mis.-

372-73

Dated 22-9- 1871.

***Not to be folded or roughly handled***

*Proceedings of the Madras Government, Public Works Department, 22nd September* 1871.

No. 372. Read the following docket from the Assistant Secretary to the Government of India, Public Works Department, Railway, dated Simla, 23rd August 1871, No. 1,542:—

Read the following letter from the Secretary to the Government of Bombay, to the Secretary to the Government of India, dated Bombay Castle, 1st August 1871, No. 904.

I AM directed to acknowledge the receipt of your letter No. 934-R., dated 31st May last, and to forward copy of a report No. 2,284, dated 28th July 1871, by the Consulting Engineer for Railways to this Government, of the results of the experiments that were made on the Great Indian Peninsula Railway with appliances of tatties for cooling railway carriages.

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COPY of the foregoing and of its enclosure forwarded to the Government of Madras in the Public Works Department, (Railway,) for information.

By Order,

(Signed) K. C. PYE,

*Assist. Secy. to the Govt. of India.*

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From the Acting Consulting Engineer for Railways, to the Secretary to Government, Railway Department, dated Bombay, 28th July 1871, No. 2,284.

Enclosure to Government of India's No. 716—20-R., dated 2nd May 1871.

WITH reference to Government Resolution No. 694, dated 14th June, I have the honour to report that experiments have been made on the Great Indian Peninsula Railway, during the last two hot seasons, with three or four different appliances of tatties for cooling carriages, but that patented by Mr. Saunders, the Deputy Locomotive Superintendent, and reported on by the Committee, is the only one which has worked so as to give any satisfaction. It has been fitted to five saloon carriages, and, under fair trial, the temperature of the carriage was reduced from 100° to 80°, but the carriages have only been run on exceptional occasions, and have not been sufficiently tested for the Traffic Department to ascertain the opinion of the public with regard to them.

2. Two objections have, however, been raised, first, that the apparatus is too costly; second, that the air near the floor of the carriage is very damp, and productive of cold, rheumatism, and fever. With regard to the first point, Mr. Saunders estimates the cost of fitting one saloon carriage to be Rupees 250. The experimental cost, which cannot be taken as a correct guide, has been not much less than twice that sum. As regards the second objection, there is sufficient evidence that people have suffered, or believe that they have suffered, from travelling in these carriages; and there always will be many passengers travelling by the train who will prefer the heat to the risk attending the use of tatties.

3. Their general adoption will, therefore, involve the running of extra carriages without tatties, and the Acting Agent of the Great Indian Peninsula Railway Company would like to have the question of extra fares for additional comfort settled before going to any further expense in fitting up carriages for next hot season. I propose to report on this part of the subject after discussing it with the Agent and General Manager. Further experiments are undoubtedly necessary before Mr. Saunders' plan can be finally accepted.

*Proceedings of the Madras Government, Public Works Department.*
*22nd September 1871.*

No. 373. ORDER THEREON, 22nd September 1871, No. 2,420.

RAILWAY, No. 39.

ORDERED to be recorded.

(True Extract.)

Captain, R.E.,
*Under-Secretary to Government.*

To the Acting Consulting Engineer for Railways.

Exd. E. C. Shunker.

3

ORDERED to be recorded

P. W. 1871 Dept

No. 4119.

From

The Secretary to the
Govt. of India

Dated 23 Augt.
Read. 1 Sept. } 1871
Ens. 1 No. 1542.

Forwarding a
copy of a letter from
the Govt. of Bombay
on the results of ex-
periments made on
the Great Indian
Peninsula Railway
for cooling Railway
carriages.

No. 2424 Dated 29 Sept. 71

No. 2424 Dated

Ordered to be recorded.

Orig.

Forwards report of the results of the experiments that were made on the Great Indian Peninsula Railway for cooling Railway carriages by the application of tatties.

R. D. Press—29-8-71.

Copy 2 to Govt of India Pub. 15.

Ordered to be recorded

Cpt 119

Govt. of 1871 Madras.

PUBLIC WORKS.

To Hudig Consulting Engrs for Railways

Dated.

Recd. Encl 1

G. O 22 Sepbr. N 2420.

Nos. 372 & 373

Railway Carriages. Docket

From the Govt. of India forwarding a copy of a letter from the Govt of Bombay on the results of experiments made on the G.I.P. Ry for cooling Ry Carriages, recorded.