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MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No.	2314	Press
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Dated	2-10-	1872.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
2nd October 1872.*

No. 22. Read the following Circular from the Government of India, Public Works Department, (Railway,) dated Simla, 11th September 1872, No. 41-R.—

Cooling of Railway Carriages during the Hot Season.

READ again the following papers:—

Public Works Department Resolution Nos. 614-23 R, dated the 5th April 1870

„ „ „ „ 1,285-90 R, „ 22nd July „

Letter from the Government of Bombay in the Public Works Department (Railway), No. 1,193, dated the 24th August 1870, and enclosures

Public Works Department No 1,553 R, dated the 10th September 1870, to the Government of Bombay in the Public Works Department (Railway).

Letter from the Government of Bombay in the Public Works Department (Railway), No 276, dated the 11th March 1871, and enclosure

Public Works Department Nos 518-22 R, dated the 23rd March 1871

„ „ Resolution, Nos 716-20 R, dated the 2nd May 1871.

„ „ „ „ 933-36 R, „ 31st „ „

„ „ „ „ 1,542-45 R, „ 23rd Aug „

„ „ „ „ 1,846 50 R, „ 28th Sept „

„ „ „ „ 2,477-80 R, „ 8th Dec. „

RESOLUTION—The Government of India has, in former years frequently endeavoured to secure the use, on the lines of the Guaranteed Railway Companies, of an efficient method of cooling the interior of railway carriages in trains running during the hot season; and, with this view, the Government have, from time to time, circulated various papers bearing on the subject, and containing the opinions of mechanical engineers and others who have exercised their ingenuity with this object in view.

2 The Governor-General in Council is disappointed to find that, during the months of April, May, and June, Europeans who may be compelled to travel by day through Northern India, still do so not only with extreme inconvenience, but not uncommonly even with serious danger to life and health. None of the contrivances for cooling carriages have been *in practice* so generally brought into use as to be available readily for ordinary passengers.

3 The Governor-General in Council is of opinion that the time has now come for orders to be issued that a certain proportion of first and second class carriages, within certain limits of time and distance, shall be fitted with approved apparatus for cooling. The present state of things cannot, without discredit to the Government, be allowed any longer to continue.

4. The Consulting Engineers to the Government should be required to communicate with the Railway Agencies, and submit, for approval, detailed proposals for fully carrying out the intention of this resolution. These proposals should reach the Office of the Secretary to the Government of India in the Public

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2nd October 1872.*

Works Department on or before the 1st December next, so that there may be ample time for bringing the apparatus into operation for next hot season.

5. It is desirable for the Government of India to specify the inventions which, with others equally efficacious, will be approved. These are,—Mr. Sanders' refrigerator, as used on the vehicles of the Great Indian Peninsula Railway; Mr. Cooke's invention on the Oudh and Rohilkhund Railway carriages; and the one in use on the stock belonging to the East Indian Railway. Two other forms of cooling apparatus invented by Assistant Surgeon Drew, R. A., drawings of which are about to be circulated, may also be used. In each case the arrangement must be so fitted as to enable passengers to use it or not at their option, and without any previous application for it.

6. As the rolling stock for the State Railways is being designed in England, and as the carriages, which will be used in Rajpootana, will require cooling as much as, or, perhaps, even more than those which belong to the Guaranteed Railway Companies, His Excellency in Council desires that drawings showing these contrivances for cooling the air in carriages, and any other drawings which inventors may submit for the purpose, shall be sent to the Secretary of State with the request that full attention may be given to this important subject by His Grace's professional advisers in England.

ORDER.—Ordered, that a copy of this Resolution be sent to the Secretary of State with the drawings of the inventions referred to.

Also, to the Local Governments and Administrations noted in the margin for information, and to the Governments of Madras and Bombay with the request that effect may be given to the foregoing resolution in any of the railways under the control of the Governments of those Presidencies to which it may be properly made applicable.

Also, to the Consulting Engineers to the Government of India for Guaranteed Railways at Calcutta, Lahore, and Lucknow for information and guidance.

Engineer-in-Chief, Indus Valley (State) Railway.
Officiating Chief Engineer, Punjab Northern (State) Railway
Superintending Engineer, Delhi District, Rajpootana (State) Railway.
Superintending Engineer, Agra District, Rajpootana (State) Railway
" " Holkar (State) Railway.

Also, that a copy be sent for information to each of the Engineers in charge of State Railways under construction named in the margin.

Also, that a copy be sent to the Consulting Engineer to the Government of India for State Railways for information.

Also, that the Resolution be sent to the Home Department for publication in the Supplement to the *Gazette of India*.

(Signed) H. DRUMMOND, Colonel, R.E.,
Offg. Deputy Secretary.

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2nd October 1872.*

No. 23. ORDER THEREON, 2nd October 1872, No. 2,314.

RAILWAY, No. 3.

COMMUNICATED to the Consulting Engineer for Railways for information and guidance. The proposals required

in paragraph 4 should be submitted for the Madras and Great Southern of India Railways.

(True Extract.)

Colonel, R.E.,

Secretary to Government.

To the Consulting Engineer for Railways.

Exd. S. T. Austin.

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.
RAILWAY.

To

CIRCULAR No. 41 RAILWAY.

Dated SIMLA, 11th September 1872.

Received — 21"

2314

Cooling of Railway Carriages during
the Hot Season.

*Communicated to the Lieutenant
Inspector for Railways for information and
guidance. The proposed measures are
approved and should be carried out for
the first time in the month of October
1872.*

11/9/72

C. S. for Secy. Secy. 11/9/72

C/pt 600

Govt. of 1872 Madras.

PUBLIC WORKS.

To

The Consulting Engineer
for Railways

Date

Recd.

For

G O 2^d Oct 1872, N. 2314.

Nos. 22 & 23

Cooling of Railway Car-

riages. Circular from the
Govt of India requesting
the submission of pro-
posals for fitting a
certain proportion of
20 class carriages within
certain ~~limits~~ limits of
time & distance with ap-
proved apparatus for
cooling the carriages,