

*Proceedings of the Madras Government, Public Works Department,
5th May 1875.*

No. 121. Read the following endorsement of the Consulting Engineer for Railways, dated 30th April 1875, No. 236 :—

From E. C. BOODLE, Esq., Acting Locomotive Superintendent, to R. B. ELWIN, Esq., Agent and Manager of the Madras Railway Company, dated Perambore Works, 26th April 1875, No. 181.

With reference to paragraph 10 of the Board's letter, No. 533, of the 5th June 1874, a copy of which was forwarded to me with your letter, No. 2,035, of the 3rd July following, and in continuation of my letter, No. 69, of the 5th February last, I beg to inform you that I have carried out several experiments with the patent lubricating compound supplied by the Board upon indent No. 111, the results of which have been generally favorable. In one experiment two of the axle boxes of a wagon were filled with hard, and the other two with soft, grease, and the wagon ran from Madras to Arconum when one of the boxes that had been filled with soft grease was found to be hot. This was washed out and the box refilled with soft grease, and the wagon ran on to Beypore, returning to Bangalore and thence to Madras. Throughout this run of 981½ miles with the exception of the one which heated at Arconum on the outward journey, the boxes were not touched or replenished in any way, and on the arrival of the wagon here they were found to be still about three-quarters full of grease. The gross load of the wagon was about nine tons.

2. In another experiment a wagon was sent from here to Pothanore, from Pothanore to Bangalore, and from thence to Raichore, returning to the works from that station; and throughout this journey, being a distance of 1,381½ miles, the quantity of grease actually consumed was only about half a pound out of each axle box.

3. Several other experiments that have been carried out have also given results equally favorable to the lubricating compound, but the price of the compound is Rupees 43-2-8 per cwt., while the cost of English grease is Rupees 15-12-0 and of country grease Rupees 14 only, and as our consumption of grease will be but small and confined almost entirely to ballast and wood trains, as soon as the conversion of our grease axle boxes into oil boxes is completed, I scarcely think that it is worthwhile purchasing any further consignments for the present.

No. 437.

COPY forwarded to the Consulting Engineer for Railways for information, with reference to his letters, No. 313, of the 8th April, and No. 1,164, of the 8th December 1864.

(Signed) R. B. ELWIN,
Agent and Manager.
27th April 1875.

SUBMITTED for the information of Government, in compliance with the instructions conveyed in their order, dated the 27th March 1874, No. 877.

(Signed) J. H. M. SHAW-STEWART, Lieut.-Colonel, R.E.,
Consulting Engineer for Railways.

28/4/75

Proceedings of the Madras Government, Public Works Department,
5th May 1875.

No. 122.

ORDER THEREON, 5th May 1875, No. 1,278.

RAILWAY, No. 11.

ORDERED that these papers be forwarded
for the information of the Government of
India.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,

Secretary to Government.

No. 123.

(DOCKET No. 1,279, dated 5th May 1875.)

COPY of the above forwarded to the Government of India, with reference to their
letter, No. 536 G. R., dated 11th March 1874.

(True Extract.)

Colonel, R.E.,

Secretary to Government.

N^o 181

Madras Railway Company
Locomotive Superintendents Office
Bramore Works

21 April 1875.

To

The Agent and Manager
Dear Sir

With reference to paragraph 10 of the Board's letter
N^o 533 of the 5 June 1874, a copy of which was forwarded
to me, with your letter N^o 2035 of the 3rd July following
and in continuation of my letter N^o 69 of the 5th
February last, I beg to inform you that I have
carried out several experiments with the Patent
Lubricating Compound supplied by the Board
upon Locomotive N^o 111, the results of which have been
generally favourable. In one experiment two of
the axle-boxes of a waggon were filled with hard
and the other two with soft grease, and the
Waggon ran from Madras to Arcot, when one
of the boxes that had been filled with soft grease
was found to be hot. This was washed out, and
the box refilled with soft grease and the Waggon
ran on to Bangalore, returning to Bangalore and
thence to Madras. Throughout this run of 98 1/2
miles with the exception of the one which heated
at Arcot on the outward journey, the boxes
were not touched or replenished in any way,
and on the arrival of the Waggon here they
were found to be still about three-quarters full
of grease. The gross load of the Waggon was
about

about 9 tons.

2 In another experiment a Waggon was sent from here to Ootkanore, from Ootkanore to Bangalore, and from thence to Raichore, returning to the Works from that Station; and throughout this journey, being a distance of $138\frac{1}{2}$ miles, the quantity of grease actually consumed was only about half a pound out of each axle-box.

3 Several other experiments that have been carried out have also given results equally favourable to the Lubricating compound, but the price of the compound is Rupees 43-2-8 per cwt, while the cost of English grease is Rupees 15-12-0, and of country Grease Rs 12 only; and as our consumption of Grease will be but small, and confined almost entirely to Ballast and Wood trains, as soon as the conversion of our grease axle-boxes into oil boxes is completed, I scarcely think that it is worth while purchasing any further consignments for the present.

Yours faithfully
(Signed) E. C. Woodle

Ag. Loco. Superintendent

(True copy)

[Signature]
Agent & Manager

N^o 437
Copy forwarded to the Consulting Engineer for Railways for information with reference to his letters N^o 313 of the 8th April and N^o 1164 of the 8th December 1874.

7th April

Ry Dept

Cons. Engineer's Office
Madras 30 April 1875

No. 236

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Submitted for the
information of Government,
in compliance with the in-
structions conveyed in their
Order dated the 27. March
1874, No. 877.

Warranted L. G. R. E.
Cons. Eng. for Railways
To
The Secretary to Government
P. W. Department
Fort St. George.

MADRAS RAILWAY.

From

The Agent and Manager.

To

The Consulting Engineer

for Railways.

Dated

27th April

1875

At

M.

No. 407

Representing the results
of the trials made
by the present subroading
Compound Plant and
by the Board.

Order No. 2836/75
28.5 May 1875 with 877/121

2868

Gobl. of 1875; Madras.

PUBLIC WORKS.

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The Engineer & Surveyor

Secy. to Govt. of India

Date

Re. L.

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G. O. 5 May 1278
1279

Nos. 121-122
123

Forwarding for information
papers regarding the trial
of the Patent Lubricating
Compound sent out by
the Board.

Madras Railway - Trial of
the Patent Lubricating Compound
sent out by the Board -
The Report from the Agent
of the _____, ordered
to be forwarded to the
Government of India.