

(1) Number of pages _____

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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	2142-43	Press
B.P. No.		Mis.
96-98.		
Dated	5-8-1874	195

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
5th August 1874.*

No. 96. Read the following letter from Lieutenant-Colonel J. H. M. SHAW-STEWART, R.E., Consulting Engineer for Railways, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Madras, 25th June 1874, No. 371 :—

IN reply to the Order of Government, No. 1,189, dated the 4th May 1874, I have the honor to report that upon the Madras and the Great Southern of India Railways registers are kept of the mileage run by engine axles, but not of the mileage run by carriage and wagon axles. With regard to the latter, it is the practice upon both lines to examine periodically the axles of all vehicles, and to replace those which are worn down below a prescribed minimum.

2. The Agents of both Companies regard as unnecessary the proposal to open registers for recording the mileage of the carriage and wagon axles, but I am of opinion that much good would result from its adoption.

• From Agent, Madras Railway Company, No. 522, 12th June 1874.
Do. do. Great Southern of India Railway Company, No. 5,543, 22nd May 1874.

3. Letters* from the Agents of the two Companies bearing upon the subject are enclosed.

From R. B. ELWIN, Esq., Agent and Manager of the Madras Railway Company, to Lieutenant-Colonel J. H. M. SHAW-STEWART, R.E., Consulting Engineer for Railways, dated Madras, 12th June 1874, No. 522.

WITH reference to your letter No. 445, of the 11th ultimo, I have the honor to enclose you a copy of the Acting Locomotive Superintendent's letter, No. 231, dated yesterday, in which it is explained that a register is kept on this line of the mileage run by the engine axles, but not of that run by the axles of carriages and wagons.

2. The system of occasionally gauging the journals of all vehicles, as adopted in the Locomotive Department of this Railway, will, I trust, be considered as good a precaution as can be adopted for the prevention of accidents caused by the breakage of axles.

From E. C. BOODLE, Esq., Acting Locomotive Superintendent, to R. B. ELWIN, Esq., Agent and Manager of the Madras Railway Company, dated Perambore Works, 11th June 1874, No. 231.

REFERRING to the Consulting Engineer's letter, No. 445, dated 14th May 1874, enclosing copy of an Order of Government, No. 1,189, of the 4th idem, I beg to inform you that a register is kept of the mileage run by all the engine axles, but the mileage of carriage and wagon axles is not recorded by this department, and I regret that I can offer no satisfactory plan by which a correct register of the mileage run by axles of wagons or carriages can be kept, as the wheels of these vehicles are frequently changed at up-country stations.

2. The method of testing the journals, which has been adopted in these works for some time past, is by means of a gauge, the axles of those journals which are worn to such an extent as to allow this gauge to pass over them being condemned.

From W. S. BETTS, Esq., Agent of the Great Southern of India Railway, to Lieutenant-Colonel J. H. M. SHAW-STEWART, R.E., Consulting Engineer for Railways, dated Negapatam, 22nd May 1874, No. 5,543.

YOUR letter No. 240 of the 14th instant. The Locomotive Superintendent reports to me "no record of the mileage of axles has ever been kept here, nor do I see any need of such a complicated reference unless indicated as essential by some malperformance of our stock. We have never had any breakage of axles. If such accidents occur upon the East Indian Railway, I should

Proceedings of the Madras Government, Public Works Department,
5th August 1874.

be inclined to think the cause would be found, and breakage attributable either to imperfect material, high speed, heavy wheel-loads or defective permanent-way. We have not, in this country, the extreme variations of temperature to which in Europe may be traced in a great degree the breakage of axles. Our stock is periodically carefully examined in every way, and when a wheel journal wears down to the proscribed diameter it is replaced and the small journal new-ended in the shops. Registration of the miles run by axles will not prevent breakage."

2. Periodical examination of the axles is so far more effective for guarding against accidents than is the registration of mileage performed by axles, (especially when the register is proposed to be opened against axles which have been many years in use,) that I trust Government will not desire to alter the system under which the work is now performed.

No. 97. ORDER THEREON, 5th August 1874, No. 2,142.

RAILWAY, No. 14.

ORDERED that these papers be forwarded to the Government of India.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,
Secretary to Government.

No. 98. (DOCKET No. 2,143, dated 5th August 1874.)

COPY of the above forwarded to the Government of India, with reference to their endorsement, No. 649-650 G. R., dated 27th March 1874.

(True Extract.)

Colonel R.E.,
Secretary to Government.

Ed. S. T. Austin.
Litho Copies

Cp 231.

Madras Railway,
Loco. Superintendent's Office
Perambur Works 11th June 1874.

The Agent and Manager,
Dear Sir,

Referring to the Consulting Engineer's letter of 445 dated 14th May 1874, enclosing copy of an Order of Government, of 1189 of the 4th idem, I beg to inform you that a register is kept of the mileage run by all the Engine axles, but the mileage of Carriage and Wagon axles is not recorded by this Department, and I regret that I can offer no satisfactory plan by which a correct register of the mileage run by axles of Wagons or Carriages can be kept, as the wheels of these Vehicles are frequently changed at up-country Stations.

The method of testing the journals which has been adopted in these Works for some time past, is by means of a gauge, the axles of these journals which are worn to such an extent as to allow the gauge to pass over them, being condemned.

Yours faithfully
Prof. C. C. Boodle
Aty. Loco. Superintendent

True Copy
H. J. Walker
Agent & Manager

ACK

No. 522

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE.

Madras, 12th June 1874.

From

R. B. Elwin Esqre.

Agent and Manager of the M. R. Co.

To

Lieut Col. J. H. Shaw Stewart R.E.

Consulting Engineer for Railways.

SIR,

With reference to your letter No 445 of the 14th ultimo, I have the honour to enclose you a copy of the stating Locomotive Superintendent's letter No 291 dated yesterday, in which it is explained that a Register is kept on this line of the mileage run by the Engine wheels, but not of that run by the wheels of Carriages and Waggon.

2. The system of occasionally gauging the journals of all vehicles as adopted in the Locomotive Department of this Railway, will, I trust, be considered as good a precaution as can be adopted for the prevention of accidents caused by the breakage of wheels.

I have the honour to be,
Sir

Your most obedient servant

R. B. Elwin
Agent & Manager

114. 25 Aug 74
In B. R. 96
Mr. 2910/74

No. 5343

GREAT SOUTHERN OF INDIA RAILWAY.

AGENT'S OFFICE,

NEGAPATAM, 22nd May 1874

From

THE AGENT,

Great Southern of India Railway,

To

The Consulting Engineer
for Railways
Madras

SIR,

Your letter No 240 of the 11th Instant
 The Locomotive Superintendent reports to me
 "to record of the mileage of axles has ever
 "been kept here, nor do I see any need
 "of such a complicated reference unless
 "indicated as essential by some mal-
 "performance of our stock. We have
 "never had any breakage of axles. If
 "such accidents occur upon the East
 "Indian Railway, I should be inclined
 "to think the cause would be found
 "and breakage attributable either to
 "imperfect material, high speed, heavy
 "wheel loads or defective permanent way
 "We have not, in this country, the extreme
 "variations of temperature to which
 "in Europe may be traced in a great
 "degree the breakage of axles. Our
 "stock is periodically carefully examined

From

MADRAS RAILWAY.

The Agent and Manager.

The Consulting Engineer

for Railways.

Dated 12th June 1874.

Recd

No. 522

Relating to Locomotive
 Engineers letter No 240
 having reference to
 the Registrar's remarks
 were by Engineer's letter

in every way, and when a wheel journal
"wears down to the proscribed diameter
"it is replaced and the small journal
"new ended in the shops. Registration
"of the miles run by axles, will not
"prevent breakage"

Periodical examination of the
axles is so far more effective, for guarding
against accidents than is the registration
of mileage performed by axles (especially
when the register is proposed to be
opened against axles which have been
many years in use) that I trust
Government will not desire to alter
the system under which the work
is now performed.

I have the honour to be
Sir

Your most obedient servant
William B. B. B.
Agent

CONSULTING ENGINEER'S OFFICE.

Railway Department.

No. 371

From

LIEUT.-COLONEL J. H. M. SHAW STEWART, R.E.,
Consulting Engineer for Railways,

To

COLONEL G. W. WALKER, R.E.,
Secretary to Government,
Public Works Department,
Fort Saint George.

SIR,

In reply to the Order
of Government No 1189, dated the 14th May 1874, I have the honour to re-
port that, upon the Madras and
the Great Southern of India Rail-
ways, registers are kept of the
mileage run by engine axles, but
not of the mileage run by carriage
and wagon axles. With regard
to the latter it is the practice, upon
both lines, to examine periodically
the

Regarding the
mileage of axles.

From
the Agents
of the
Consulting Engineer
for Railways
No. 5543

SIR,

To

Great Southern of India Railway,

THE AGENT,

From

NEGAPATAM,

186

AGENTS OFFICE,

GREAT SOUTHERN OF INDIA RAILWAY.

No.

Mr. 3910/74.
23. 7. 5. 1874
In 18. 4. 96.

the axles of all vehicles, and to replace those which are worn down below a prescribed minimum.

2. The Agents of both Companies regard as unnecessary the proposal to open registers for recording the mileage of the carriage and wagon axles; but I am of opinion that much good would result from its adoption.

3. Letters from the Agents of the two Companies, bearing upon the subject are enclosed.

I have the honour to be

Sir

Your most obedient servant

Mairas

25 June

1871

Wm. Stewart Esq. J. P. R. E.
Cons. Engineer to Railway

From Agent in charge No. 522. 12 June 1871
No. 522. 12 June 1871

P. W. 1874 Dept.
No. 3410
RAILWAY DEPARTMENT.

From
The Consulting Engineer
for Railways,

To
The Secretary to Government,
P. W. Department,
Fort Saint George.

Dated 27 June 1874.

Recd. 27 June 1874.
E. 3
No. 378

Submitting letters
from the agents Madras
and S. P. & Railway
having reference to
keeping up registers
of meetings held by
order
G.O. No 2142-5-8-74

No 96

Despatched 27 June/74.

1874
Consulting Engineer for Railways

Public Works Department
Proceedings of the Madras Government
Read the following

From The Consulting
Engineer for Railways. } H.E. No 3713/25th June 1874.

Ordered that these
papers be forwarded to the
Govt. of India

E. L. for Rys.
S. Copies despatched 10/8/74.

H.E. 2143

Copy of the above for-
warded to the Govt. of India
with reference to their cor-
respondent No 649-550 G.O.

dated 27 March 1874.

mm

S. Copies despatched 10/8/74.

37

Public Works Department

Letter from the Consulting Engineer
for Railways, No. 371, dated 28th June 1876.

For Orders.

Circulated for
orders whether an opinion
on this subject should
be expressed in for-
warding the papers
to the Government of
India; and whether it
should be favorable
to the views of the Rail-
way Engineers or Con-
sulting Engineer.

Certainly or by press now
unless it is in the sense
of the last para of W. Pett's
letter. Replies are no
opposite substitute for
the apt & the words as
such of the letter: what was
obtains

3/7

262

Wm. M. R. E.
Secy: to Government
S. H. C.

96-98.

R. 211

M 3910V

Govt. of 1874 Madras.

PUBLIC WORKS.

To



3910

Melroy: Supr. & full p.
Secy. to the Govt. of India.

Dated

Recd.

Encl. 3

G. O. 5 Aug 1874, No. 2142
2148

No. 3697.

Correspondence

Railways. Expenses, submitted

by the Comr. Genl. on the subject
of ~~the~~ the maintenance
of Registers of mileages run
by axles ordered to be
borrowed to the Govt. of
India.

Forwarded correspond-
ence on the subject of
the maintenance of Registers
of mileages run by axles.