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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	2231-32	Press
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Dated	24-8	1876
		-195-

Not to be folded or roughly handled

12

*Proceedings of the Madras Government, Public Works Department,
24th August 1876. No. 2,231.*

No. 540. Read the following letter from Lieutenant-Colonel J. H. M. SHAW-STEWART, R E., Consulting Engineer for Railways, to Major-General G. W. WALKER, R E., Secretary to Government, Public Works Department, dated Madras, 16th August 1876, No 412.—

I HAVE the honor to submit, for the sanction of the Government of India, Indent No 267 on the Board of Directors of the Madras Railway, the approximate cost being £1,075

2. The attention of the Agent was drawn to the limited number of screw couplings at present available at the principal stations upon the Madras Railway, and it was suggested for consideration whether a more extended use of such couplings would not be advisable.

3 Letters (enclosed) Nos 463 and 486, dated 1st and 8th May 1876, from the Agent give cover to communications upon the subject from the Traffic Manager and Locomotive Superintendent. It will be seen that the Railway authorities are of opinion that all vehicles should be fitted with at least one screw coupling, and the accompanying Indent for 1,000 required urgently for use is accordingly submitted.

4 In letter (enclosed) No 826, dated 12th August 1876, the Agent explains that the Locomotive Department is unable to turn out the quantity wanted with anything like the required despatch and also that the couplings are not obtainable from any of the other Railway Companies

5 I have in anticipation of sanction authorized the transmission of the Indent to England for compliance.

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, 1st May 1876, No 463.

With reference to your letter, No 43, of the 13th January last, I have the honor to enclose, for your information, copy of a letter from the Traffic Manager, No C-65 A & M 1,602, dated the 28th ultimo, on the subject of screw couplings

2 I have not as yet received a report from the Locomotive Superintendent upon this subject, but I have requested him to forward it to me at once, and I will lose no time in sending you a copy as soon as it is received

From H. E. CHURCH, Esq., Traffic Manager, to R. B. ELWIN, Esq., Agent and Manager of the Madras Railway Company, dated Madras, 28th April 1876, No C-65 A & M 1,602.

Screw Couplings.

CONSULTING ENGINEER'S letter, No 43, dated 13th January.

THERE can be no doubt, in my opinion, that all vehicles should be fitted with at least one screw coupling, and for some considerable time past we have been working to this end, but it will probably take, at the present rate of progress in making screw couplings, some two or three years to complete the whole stock

2 The limited number of loose screw couplings available at stations is accounted for by the fact that we have withdrawn as many as possible to be rivetted to passenger carriages, cattle wagons, horse boxes, and timber trucks, and it sometimes now happens when wagons are attached to the mail trains at a road-side station that our stock of loose screw couplings is insufficient to supply all the wagons in a train

The subject is, and has been, engaging my attention, and I am in correspondence with the Locomotive Superintendent as to the desirability of making a purchase from the East Indian Railway.

*Proceedings of the Madras Government, Public Works Department,
24th August 1876. No. 2,231.*

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, 8th May 1876, No. 486

With reference to your letter of the 13th of January last, No. 43, I have the honor to enclose you copy of a letter addressed to me by the Locomotive Superintendent as to the use of screw couplings

2. Since writing* to you on this subject on the 1st instant I have authorized the Traffic Manager to negotiate for the purchase of 200 screw couplings from the East Indian Railway Company at Rupees 15 each.

* No 483

From F. H. TREVITHICK, Esq., Locomotive Superintendent, to R. B. ELWIN, Esq., Agent and Manager of the Madras Railway Company, dated Perambare, 5th May 1876, No. 239

Your endorsement to the Consulting Engineer's letter, No. 43, more extended use of screw couplings

There can, I think, be no doubt but that the use of screw couplings on all vehicles and with all trains would save the rolling stock from much wear and tear to which it is now subjected. I allude not only to the jerks on starting, but to the violent concussion noticeable in vehicles whose bearing brasses are a little worn when these vehicles run at a high speed with the centre chain coupling. This concussion causes the bearing brasses, when they once begin to wear and, to cut away very rapidly and besides loosens the bolt fastenings.

2. The difficulty which has been raised of starting trains when tightly screwed up I do not consider of any practical importance for engines loaded to such an extent that they are unable to start without a jerk will certainly never keep time on the road and must be considered as overloaded

3. In order to ensure the use of screw couplings every vehicle should have one rivetted to each end

The Company possesses of all classes of vehicles, except the 200 ballast wagons which I except as not requiring screw couplings.

For which twice as many couplings as vehicles	3,258 vehicles
Deduct number of couplings already supplied	6,776 couplings
Screw couplings still to be made	676 do
Which taken at an average price of Rupees 20, would require an outlay	6,100 do
for this purpose of	
It may not be considered desirable to expend so large a sum for the	
purpose immediately, I therefore give a separate estimate for the	
passenger stock of which the Company possesses of all classes,	
including goods brake-vans which run with coaly class trains	
Twice as many couplings as vehicles	552 vehicles
Deduct number of couplings already made to rivet to drag hooks	1,104 couplings
Leaves still to be made	405 do
Which taken at an average cost of Rupees 20 would require an outlay of	699 do
	Rupees 10,920

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 August 1876, No. 826

I HAVE the honor to forward, herewith, an Indent* on the Board for 1,000 screw couplings which, as you are aware, are urgent for use

* No 267 (in triplicate)

2. I have thought it better to have this Indent prepared as our Locomotive Department

*Proceedings of the Madras Government, Public Works Department,
24th August 1876. No. 2,231.*

is unable to turn out the quantity we want with anything like the required despatch, and we have been unable to obtain them from any of the other Railway Companies

3. I shall be glad if you can sanction the transmission of the Indent to England by the next mail

No 541

ORDER THEREON, 24th August 1876, No. 2,231

RAILWAY, No 59-A

As THE supply of 1,000 screw couplings is stated to be urgently required, the action of the Consulting Engineer in author-

izing the transmission of the Indent Home for compliance in anticipation of sanction is confirmed. But it is not a case in which, if the Railway Company had taken proper steps, any such hurried step should have been needed, the want was known months ago and should have been submitted in ordinary course. The Company should be required to endeavor to obtain tenders for such articles in India or to manufacture locally all couplings for the Company.

2. The Indent will now be forwarded for the sanction of the Government of India.

(Here enter No. 2,232, dated 24th August 1876)

(True Extract)

Colonel,

Offg Under Secy to Govt, P.W.D.

To the Consulting Engineer for Railways
" Examiner of Railway Accounts

E. S. Rodgers
Spare Copies

34
PUBLIC WORKS DEPARTMENT,
FORT ST. GEORGE, 24th August 1876.

No 542

No. 2,232

FROM

MAJOR-GENERAL G. W. WALKER, R E,
Secretary to the Government of Madras,
Public Works Department,

TO

THE SECRETARY TO THE GOVERNMENT OF INDIA,
Public Works Department

RAILWAY, No 59-B

SIR,—I am directed to forward, herewith, for the sanction of the Government of India, an Indent on the Board of Directors of the Madras Railway for the supply of 1,000 screw couplings at an approximate cost of £1,075. The papers which accompany explain that the demand is considered urgent, and under these circumstances the Consulting Engineer has authorized the transmission of the Indent Home in anticipation of sanction. The action taken has been approved by His Grace the Governor in Council.

I have the honor to be,

Sir,

Your most obedient servant,

Colonel,
Offg Under Secy to Govt, P.W.D.,
for Secretary to Government.

Lxd A S Rodgers

Spare Copies

No. 826

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE,

Madras, 12 August 1876

From Robert B Elwin Esq.
Agent and Manager. M R C.

To Lieut Colonel J. H. M. Shaw Shaw Stewart Esq.
Consulting Engineer for Railways.

Sir,

267 I have the honour to forward
(duplicate) herewith an Indent on the Board for one
thousand screw couplings, which as you are
aware, are urgently required for use.

2 I have thought it better to have
this Indent prepared as our Locomotive
Department is unable to turn out the quantity
we want with any thing like the
required despatch, and we have been
unable to obtain them from any of the
other Railway Companies.

3. I shall be glad if you can
sanction the transmission of the Indent
to England by the next mail.

I have the honour to be

Sir,

Your most obedient servant

R. B. Elwin

P.W.D.
17 1876

N^o 6/65-27m
1602

Madras Railway
Traffic Manager's Office
Madras 28 April 1876

The Agent & Manager
Madras Railway Company

Dear Sir,

Screw Couplings

Consulting Engineer's letter N^o 43 dated 13 January.
There can be no doubt, in my opinion,
that all Vehicles should be fitted with, at least
one Screw Coupling, and for some considerable
time past we have been working to this end,
but it will probably take, at the present rate
of progress in making Screw Couplings, some 2 or 3
years to complete the whole stock.

The limited number of Loose Screw
Couplings available at stations is accounted
for by the fact that we have withdrawn as
many as possible to be rivetted to Passenger
Carriages, Battle Wagons, Horse Boxes and Timber
Trucks, and it sometimes now happens when
Wagons are attached to the Mail Trains at a
Roadside Station that our stock of Loose
Screw Couplings is insufficient to supply all the
Wagons in a Train.

The subject is and has been
engaging my attention, and I am
in correspondence with the Locomotive
Superintendent as to the desirability
of making a purchase from the East

Indian

From

MADRAS RAILWAY

The Agent and Manager

To

The Consulting Engineer

for Railways

Dated 12 3 1876
Recd 13. 3 1876

No 826

Transmitted for the
Board of Directors
and the Board of Directors
217 for screw couplings

Indian Railway.

P.M.S.
17 1876

Yours faithfully
H. E. Church
Traffic Manager

1 True Copy

H. E. Church
Agent and Manager

No. 486

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE,

Madras, 8th May 1876

From

Robt B. Cluon Esq^r

Agent and Manager of the M. R. Co

To

Genl Col J. H. M. Shaw Stewart, R.E.

Consulting Engineer for Railways.

SIR,

With reference to your letter of the 13th of January last, No. 43, I have the honour to enclose you copy of a letter addressed to me by the Locomotive Superintendent as to the use of screw couplings.

x No. 463

Since writing to you on this subject on the 1st instant I have authorised the Traffic Manager to negotiate for the purchase of 200 screw couplings from the East Indian Railway Company at Rs 15 each.

I have the honour to be
Sir

Your Most Obedient Servant

H. E. Church
Agent and Manager

P.W.D.
17 1278

From
MADRAS RAILWAY
To
The Agent and Manager

The Civil Engineer
for Railways

Recd 5 May 1876
No. 485
Regarding the use
of screw couplings

Madras Railway
Locomotive Superintendent's Office
Pambour Works, 5 May 1876.

No 230
The Agent and Manager
My dear Sir,
Your endorsement to the Consulting
Engineer's letter No. 43. more extended
use of Screw Couplings

There can, I think, be no doubt but
that the use of screw couplings on all vehicles
and with all trains would save the rolling
stock from much wear and tear to which
it is now subject. I allude not only to the
jerks in starting, but to the violent oscilla-
tion, noticeable in vehicles whose bearing
brasses are a little worn when these vehicles
run at a high speed with the centre chain
coupling. This oscillation causes the bear-
ing brasses when they once begin to wear
and worse, to cut away very rapidly and
beside loosens the bolt fastenings.

The difficulty which has been raised
of starting trains when tightly screwed up I
do not consider of any practical importance
for engines loaded to such an extent that
they are unable to start without a jerk
will certainly never keep time on the road
and must be considered as overloaded.

In order to insure the use of screw

Couplings every vehicle should have one riveted to each end.

The Company possessors of all classes of vehicles except the 200 ballast wagons which I except as not requiring screw

Couplings } - 3388 Vehicles
for which twice as many Couplings as vehicles

Deduct number of couplings already supplied - 6776 Couplings

Screw Couplings still to be made - 676 - do -

which taken at an average price of Rs 20 would require an outlay of Rs 13520 - do -

for this purpose of Rs 122000.

It may not be considered desirable to expend so large a sum for the purpose immediately there fore give a separate estimate for the Passenger stock of which the Company possessors of all classes, including Goods Brake vans -

which run with Cooly Class Wans - 552 vehicles

Twice as many Couplings as Vehicles - 1104 Couplings

Deduct number of couplings already made to pivot to drag hooks - 405 Couplings

leaves still to be made - 699 - do -

which taken at an average cost of Rupees 20 would require an outlay of Rs 13980 -

Yours

Yours faithfully
F. H. Greenhalgh
Locomotive Superintendent.

True Copy
The Manager
Agent and Manager.

No. 463

MADRAS RAILWAY.

AGENT AND MANAGERS OFFICE.

Madras, 1st May 1876

From

Robert B. Clavin Esq.
Agent and Manager. of the M.R.

To

Lieut Colonel J. M. Shaw Stewart Esq.
Consulting Engineer for Railways.

Sir,

With reference to your
letter No 43 of the 13th January last,
I have the honour to enclose for
your information copy of a letter from
the Waffi Manager - No 650th dated
the 28th ultimo - on the subject of Locomotive
Couplings -

I have not as yet received
a report from the Locomotive Supt
upon the subject, but I have requested
him to forward it to me at once,
and will lose no time in sending
you a copy as soon as it is received.

I have the honour to
 Sir
 Your most obedient servant
 J. H. M. Shaw-Stewart
 Agent and Manager

R.W.D.
 17 1876

RAILWAY DEPARTMENT.

CONSULTING ENGINEER'S OFFICE,

Madras, 16 August 1876

No. 412

From

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

To

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

Sir,

I have the honour to sub-
 mit for the sanction of the Government
 of India indent No 267 on the Board
 of Directors of the Madras Railway the
 approximate cost being £1075

The attention of the Board
 was drawn to the limited number of
 screw couplings at present available at
 the principal stations upon the Madras
 Railway and it was suggested for
 consideration whether a more extended
 use of such couplings would not be
 advisable

Letter

MADRAS RAILWAY.

From

The Agent and Manager

To

The Consulting Engineer

for Railways

Dated

1st May

1876

Recd

No 412

The Madras Railway
 Office for the
 Managers upon the
 subject of screw
 couplings.

Letter nos 463 and
486 dated 1st and 8th May 1876 from Enclosed
the Agent gave over to communications
upon the subject from the Traffic Manager
and Locomotive Superintendent. It will
be seen that the Railway Authorities
are of opinion that all vehicles should
be fitted with at least one screw
coupling, and the accompanying indent
for one thousand required
urgently for use is accordingly
submitted.

In letter no 526 dated & enclosed
12th August 1876, the Agent explains
that the Locomotive department is
unable to turn out the quantity wanted
with anything like the required despatch
and

2
and also that the couplings are not
obtainable from any of the other Rail-
way Companies.

I have in anticipation
of sanction authorised the transmission
of the indent to England for compliance.

I have the honour to be
Res
Very most obedt Servt
C. Smith, Esq. M.A. &c
Joint Engineer for Railways

P.W.D.
17.10.76

Public Works Department

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

Read the following —

From
The Cong. Engineer
for Railways } (N.E. No. 412 of 16th August 1876)

As the supply of 1000
Screw Couplings is stated to be
urgently required, the action
of the Consulting Engineer in
authorizing the transmission
of the indent home for com-
pliance on anticipation
of sanction is confirmed.
But after immediate require-
ments have been met an-
-swers should be made to
manufacture locally all
Couplings for the Company.
2. The indent will now
be forwarded for the
sanction of the Government
of India.

Cong. Engineer for
Railways
By: Mr. Accounts.

N.E. No. 412

L

From

The Consulting Engineer

for Railways,

To

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

Dated

Received

16th August 1876

No. 412

Indent No. 412

for 267 on the Road

Considered by the
Railway of 18th August 1876

21.8.76 Ptd 24.8.76
26.8.76

2

No 2231

Public Works Department

PROCEEDINGS of the MADRAS GOVERNMENT.

UNDER date the 24th Aug/96

READ the following.—

From
The Cong. Engineer for
Railways (H.C. No. 12 of 16th Aug/96)

The Secretary to the
Government of India
Public Works Dept

Sir,
I am directed to for-
ward herewith for the
sanction of the Government
of India an indent on the
Board of Directors of the
Madras Railway for the
supply of 1000 screw couplings
at an approximate cost
of Rs 1045. The papers which
accompany explain that
the demand so considered
urgent, and under these cir-
cumstances the Consulting
Engineer has authorized the
transmission of the indent
home in anticipation of
sanction. The action has
been approved by Mr. Grace
the Governor in Council.

As the supply of 1000
screw couplings is stated
to be urgently required, the
action of the Consulting
Engineer in authorizing
the transmission of the
indent home for com-
-pliance in anticipation of
sanction is confirmed.
But it is not a case in
which, if the Railway Com-
-pany had taken proper
steps, any such hurried
step should have been
needed; the want was
known months ago and
should have been sub-
-mitted in ordinary
course. The Company
should be required to
endeavour

x 11/11/96

endeavour to obtain
orders for such articles
in India or to manufacture
locally all couplings for
the Company

2. The indent will now
be forwarded for the
sanction of the Govern-
ment of India

(H.C. No 2232 & 24 Aug 86)
No 2232

The Secretary to the
Government of India
Public Works Dept.

Sir, I am directed to
forward herewith
for the sanction of the
Government of India
an indent on the Board
of Directors of the
Madras Railway for
the supply of 1000
Screw

2 Indents Details
and abstract.

Cons. Engineer for
Railways
Madras Railway Accounts

Sept 12/9/86

10
Screw Couplings at an
approximate cost of
£1075. The papers which
accompany explain that
the demand is considered
urgent, and under these
circumstances the Con-
sulting Engineer has
authorised the trans-
mission of the indent
home in anticipation
of sanction. The action
taken has been approved
by His Grace the
Governor in Council

Sept 12/9/86

W. H. H.

5920

Cost. of 11376 Madras.

PUBLIC WORKS.

2.

The Govt. Secy. for 1872

P 17

Is 17

Re 1

201

G. O. 24th April 1872 No. 2251
2252

No. 516 for 5-12

Amount due for
sanction on contract
in the B. of C. Madras
the supply of 1000
cows and calves

Indent for cows
and calves - M. P.

The — order is to
be forwarded to the
Govt. of India with
certain remarks

10-9-1872