

Public Works (1897) Department.

G.O., No. 65 R

DATED 28 January 1897

[Despatch Abstract.]

Automatic Vacuum brakes. Letter to the Secy of India forwarding returns for the half year ending 31st December 1896 showing the rolling stock on the Madras & S. E. Ry. fitted with ~~the~~ ^{vacuum} and all cases in which the brakes failed or caused delay in working the trains.

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BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

Table No. 1.

Statement showing for the half-year ended the 31st December 1896 the Railways on which continuous automatic brakes were in use, the mileage run by trains fitted with the brakes; the number and the proportion of rolling stock fitted and the progress made in fitting stock since the previous half-year.

Railways (including branch lines worked).	Period.	Locomotives.		Vehicles.			Number of miles run by trains fitted.	Total number of instances in which the brakes fitted to, and caused delay in the working of trains.	Proportion per cent.		No. of failures as compared with mileage run by trains fitted.
		Fitted.	Not fitted.	Braked.	Piped.	Not fitted.			Of vehicles piped or fitted on total.	Of mileage run by trains fitted on total train mileage.	
1	2	3	4	5	6	7	8	9	10	11	12
South Indian Railway including the Pondicherry and Madras-Munipet Railway.	Second half 1896.	20	184	90	38	4155	2,54,537	once	2.99	14.48	2,54,637 in

Loco: & Car: Supd^r Office
Negapatam 11th January 1897

Sgt L. E. Brighton,
Loco: & Car: Supd^r

Original

TABLE No. II

Statement showing, for the six months ending 31st December 1896 all cases in which the continuous automatic brakes failed to act when required to be brought into action or caused delay in the working of trains

1	2	3	4	5
Railway.	Name or description of brakes which failed or caused delay in the instances specified in column 4.	Date of failure.	Instances under the three following heads separately of. I. Failure or partial failure to act when required in case of an accident to a train or a collision between trains being imminent. II. Failure or partial failure to act under ordinary circumstances to stop a train when required. III. Delay in the working of trains in consequence of defects in, or improper action of the brakes distinguishing whether they arose from neglect or inexperience of servants or failure of machinery or material.	Number of miles run by trains fitted with each description of continuous automatic brake.
South Indian Railway	Vacuum & Automatic	21 st September 1896.	III. Neglect of Servants No 51 mail ^r detained 5 minutes at Secpore owing to the flexible pipe not being properly put on the Dummy forget the rear end of the train while detaching Saloon B no 1 - The Driver Created 18" of Vacuum with the Large Ejector jet.	254,537 1/4

Loco. and Carr. Supdt's Office,
Negapatam. 11th January 1897

W. L. M. M. M.
Agent
20.1.97

C. E. Lighton

Loco. and Carr. Supdt.

TO THE P.S. C. NO. 332 OF 1897
LETTER NO. 70 OF 20.1.97
FROM A

URGENT.

788, 21/1/97

No. 70

South Indian Railway Co., Ltd.
AGENT'S OFFICE,

TRICHINOPOLY, 20th January 1897.

So 65R
28/1

From

THE AGENT,

SOUTH INDIAN RAILWAY,

To

THE CONSULTING ENGINEER

FOR RAILWAYS,

MADRAS.

Sir,

In Compliance with the request contained in your letter No. 115 of the 6th ultimo and telegram No. D 18 of yesterday I have the honor to forward herewith Tables Nos. I and II showing the results of the working of Continuous Automatic Vacuum Brakes on this Railway during the half year ended 31st December 1896.

I have the honor to be,

Yours most Obedient Servant.

A. B. G. Thelley
Capt. R. E.
Agent.

2 Enclosures herewith.

HCJ

AR

AR
Checked with the exception
of Columns 8, 9 & 11

This may remain the
receipt of similar return
from M.R.

Why?

22/1-97

Yes - but please check
the return carefully

21/1-97

C. No. 332
Recd. 24th 97

Table No. I.

Statement showing for the half year ended the 31st December 1896 the Railways on which continuous automatic brakes were in use, the mileage run by trains fitted with the brakes; the number and the proportion of rolling stock fitted and the progress made in fitting stock since the previous half year.

Railway including Branch line worked	Period.	Loco- motives		Vehicles.		Number of miles run by trains fitted.	Total number of in- stances in which the brakes failed to act or caused delay in the working of trains.	Proportion per cent.		Number of failures as compared with mileage run by trains fitted.	
		Fitted	Not fitted.	Braked.	Riped.			Not fitted.	Of vehicles fitted or fitted on total.		Of mileage run by trains fitted on total train mile- age.
1	2	3	4	5	6	7	8	9	10	11	12
Madras Railway including Kolar Gold Fields Railway and Cunnur Pie Railway	Half year ended 31 st Decr 1896.						(a) 361953617	6	2.61	(b) Not available	8936

- (a) This figure is only a forecast of the difference between the number of vehicles fitted with brakes and the total of col: 5 of Form XII for the half-year ending 31st December 1896 which will be submitted in March '97.
- (b) The total train miles for the half year ending 31st Decr 1896 have not yet been ascertained.

Perambur Works.
21st January 1897

Sgt. A. Pilkington
for Loco. Supd.

From
THE AGENT,
SOUTH INDIAN RAILWAY,
Trichinopoly,
To
THE CONSULTING ENGINEER FOR
RAILWAYS,
Madras.
Dated
Received
No.
189
ENCLOSURE.

Statement shewing, in which the automatic vacuum
brakes failed to act when req^d working of trains.

1	2	3	4	5
		tely of:- red in case of an Name or description of trains being imminent. brakes which failed circumstances to caused delay in the Number of miles stances specified as of defects in, run by trains fit- column 4. whether they arose ted with Auto- failure of ma- matic Vacuum brakes.		
Standard Madras-	Vacuum Autom.	ele attached to cherla owing to lost 34 minutes of a defective ke to partly ected. b came to a stand y air and the minutes- 96 delayed int on the steam detained 30 minutes t in the brake ained 15 minutes wing to a coupling		53,617 miles

Percambore Works }
21st Jan'y 1897 }

A. H. Kingston
for Loco-Supd^t

Table No. II.

Statement shewing, for the six months ending with the 31st December 1896, all cases in which the automatic vacuum brakes failed to act when required to ~~be~~ brought into action, or caused delay in the working of trains.

1	2	3	4	5
Railway.	Name or description of brakes which failed or caused delay in the instances specified in column 4.	Date of failure.	Instances under the three following heads separately of:— (I) Failure or partial failure to act when required in case of an accident to a train, or a collision between trains being imminent. (II) Failure or partial failure to act under ordinary circumstances to stop a train when required. (III) Delay in the working of trains in consequence of defects in, or improper action of the brakes, distinguishing whether they arose from neglect or inexperience of servants, or failure of machinery or material.	Number of miles run by trains fitted with Automatic Vacuum brakes.
Standard Madras—	Vacuum Automatic.	14-10-'96.	(iii) Neglect of servants—A coupling on a vehicle attached to the No. 14 mail of 14-10-96 broke at Timmavercherla owing to a too sudden application of the brake.	
		21-10-'96	(iii) Failure of machinery—No. 81 mail of 21-10-96 lost 34 minutes between Madras and Puttur in consequence of a defective pipe on a foreign vehicle causing the brake to partly leak on—at Puttur the brake was disconnected.	
		25-11-'96	(iii) Failure of machinery—No. 81 mail of 25-11-96 came to a stand at $\frac{27}{15}$ miles owing to a defective pipe drawing air and the brake leaking on. The train was delayed 5 ~~min~~ minutes.	
		25-11-'96.	(iii) Failure of machinery—No. 14 mail of 25-11-96 delayed 20 minutes at Royalechem owing to a joint on the steam pipe blowing badly.	
			(iii) Failure of machinery—No. 81 mail of 26-11-96 was detained 30 minutes at Perambur for the purpose of rectifying ^a defect in the brake or rigging of a foreign vehicle.	
		16-12-'96	(iii) Failure of machinery—No. 14 mail of 16-12-96 detained 15 minutes at $\frac{7}{4}$ mile to release brake which had leaked on owing to a coupling on a foreign vehicle, being defective.	

53,677 miles

Perambore Works }
21st Jan'y 1897 }

A. H. Kingston
for Loco-Supd^{ts}

(No. 11.)

No. 9581
88

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE,

MADRAS, 22nd January 1897.

From

The *Ag.* Agent and Manager,
M. K. Coy.

To

The Consulting Engineer for Railways.
Madras.

SIR,

In compliance with the request contained in your letter N^o. 3885 of the 8th ultimo, I have the honour to forward herewith Tables I and II shewing the rolling stock fitted with vacuum brakes, &c. and the results of working the brake during the six months ending 31st December 1896.

I have the honour to be,
Sir,

Your most obed^t Servant,

Hecey C. West

Ag. Agent & Manager.

Encls.

Wack

371
13/1/97

R. FORM No. 12.

No. 652

Government of Madras.

PUBLIC WORKS DEPARTMENT,
RAILWAY BRANCH.

To

THE SECY. TO THE GOVT. OF INDIA,

P. W. DEPARTMENT.

Calcutta

Madras the 28th January 1897.

SIR,

With reference to Govt
of India Circular No 62 R Stat
dated 19th Dec 1896 and
No 354 R Stat of 4th Sept 1896,
I am directed to forward
herewith for the information
of the Govt of India the
following returns for the
half year ended the 31st
Dec 1896

(1) Two statements show-
ing the rolling stock on
the M & S R R fitted
with continuous automatic
vacuum brakes.

(2) ~~Two~~ statements showing
all cases in which the
continuous automatic
brakes

MADRAS RAILWAY.

From

The Agent and Manager.

To

The Consulting Engineer

for Railways.

Dated

188

Recd.

No.

brakes failed or caused
delay in working the train
on the Lta Railway.

CMW ²⁶/₁

Document accompanying:-
4. Statement referred to.
Despatched

By
No. 65. Dated 28.1.97.

28.1.97