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(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public (Misc.) DEPARTMENT.

G.O. No. 5352	Press Mis.
5-62	
Dated 19 10	18 7 .

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 10th October 1871.

No. 161. Read the following letter from the Acting Consulting Engineer for Railways, to the Secretary to Government, Public Works Department, dated Madras, 20th September 1871, No. 404:—

With reference to G. O., No. 824, of the 19th March 1870, I have the honour to submit a letter,* with enclosure, received from the Agent of the Madras Railway reporting unfavourably on the result of the experiment of using cow-catchers on the western section of the South-West Line.

* No. 535, 12th September 1871.

2. Another description of cow-catcher is now being made by the Locomotive Superintendent, and the result of future experiments will be reported to the Government.

From the Acting Agent and Manager of the Madras Railway Company, to the Acting Consulting Engineer for Railways, dated Madras, 12th September 1871, No. 535.

In reply to your letter No. 444, of the 12th of July last, I have the honour to inform you that the subject of "cow-catchers" was discussed in connection with your office letter No. 143, of the 25th of March 1870, at the Meeting of the Stores Committee, which took place on the 7th of June 1870, when a communication from the then Acting Locomotive Superintendent was read reporting the result of the experiment of using them on the western section of the South-West Line.

2. I enclose a copy of that Report* for your information, and from it you will observe that the trial which was made was not considered successful.

* No. 139, 16th May 1870.

3. The Locomotive Superintendent informs* me that another description of cow-catcher is now being made at Perambore which will be tried as soon as finished and the result reported to Government.

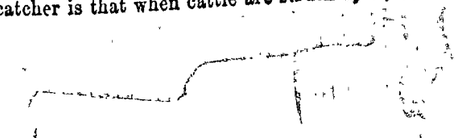
* No. 288, 11th September 1871.

From the Acting Locomotive Superintendent, to the Agent and Manager of the Madras Railway Company, dated Perambore Works, 16th May 1870, No. 139.

Referring to your endorsement on the Consulting Engineer's letter, No. 143 of the 25th March last, I beg to inform you that our Foreman Armstrong at Coimbatore reports, with regard to an experimental cow-catcher fixed to Engine No. 87, that this engine while working the 12-30 P. M. train from Palghaut to Coimbatore, on the 6th instant, struck a calf at the 324th mile, and threw it across the left rail in front of the leading wheel, which passed over and severed the body.

2. Our Foreman, who was a passenger in the train, and who witnessed the occurrence, expresses his opinion that the efficiency of the cow-catcher depends greatly on the speed of the train, and that unless a speed of 30 or 40 miles per hour is maintained to enable the cow-catcher to strike cattle with sufficient force to throw them clear off the rails, an accident is more likely to occur with the cow-catcher than without it.

3. He states that without the cow-catcher cattle are generally struck by the buffer plank and forced down between the rails, but that with the cow-catcher they are forced on the rail and held between the life-guard and catcher, consequently the life-guard has no chance of clearing the rail unless the obstruction is forced outwards. Foreman Armstrong mentions that another objection to the cow-catcher is that when cattle are struck by it, the ballast is thrown over the machinery.



Proceedings of the Madras Government, Public Works Department,
10th October 1871.

No. 162. ORDER THEREON, 10th October 1871, No. 2,582.

RAILWAY, No. 26.

THE Government regret to learn from these papers the ill-success of the cow-catchers used on the Madras Railway, but they will await a report of the result of the trial proposed to be made by the Locomotive Superintendent with cow-catchers of another description. The Government presume that the use of the cow-catcher which has been unfavourably reported on has been discontinued.

(True Extract.)

Captain, R.E.,
Offg. Joint Secretary to Government.

To the Acting Consulting Engineer for Railways.

Madras Railway Company
Locomotive Superintendent's Office
Perambore Works.
16th May 1870.

No. 139.

To

The Agent and Manager.

Dear Sir,

Referring to your endorsement on the Consulting Engineer's letter No. 143 of the 25th March last, I beg to inform you that our Foreman Armstrong at Coimbatore reports, with regard to an experimental Cow-catcher fixed to Engine No. 87, that this Engine, while working the 12/30 P. M. Train from Palghaut to Coimbatore on the 6th instant, struck a calf at the 324th mile, and threw it across the left rail in front of the leading wheel, which passed over and severed the body.

Our Foreman who was a Passenger in the Train, and who witnessed the occurrence, expresses his opinion that the efficiency of the Cow-catcher depends greatly on the speed of the Train, and that unless a speed of 30 or 40 miles per hour is maintained to enable the Cow-catcher to strike cattle with sufficient force to throw them clear off the rails, an accident is more likely to occur with the cow-catcher than without it.

He states that without the Cow-catcher, cattle are generally struck by the buffer plank, and

and forced down between the rails, but that with the Cow-catcher they are forced on the rail and held between the life-guard and catcher, consequently the life-guard has no chance of clearing the rail unless the obstruction is forced outwards. Foreman Armstrong mentions that another objection to the Cow-catcher is that when cattle are struck by it, the ballast is thrown over the machinery.

Yours &c.
(Sd) W. J. Collinson
Ag: Loco: Superintendent.

True Copy
I. W. Mellis.
for the Ag Agent and Manager.

No. 4491/71

Public Works Department
No. 2582
Proceedings of the Madras Government
Read the following
5

From:-
The Ag: Loco: Engineer for Railways } (F. C. No. 404 of 20th Sept. 1871)

The Government regret to learn from these papers the ill success of the Cow Catchers used on the Madras Railway, but they will await either interest a report of the result of the trial proposed to be made by the Locomotive Superintendent with Cow Catchers of another description.

Ag. S.

I would add "how far it presumes that the use of the cow-catcher which has so unfavourably impressed Sir ... or how much disagreed." Ag S
The Loco Engineer for Railways

G. bo. 4491.

Govt. of {1871} Madras.

PUBLIC WORKS.

To The Secretary Engr for Railways

Dated

Recd. Feb. 2

G. O. 10th August. No. 2582.

Nos. 161/162

Cow Catchers - Indian Railways

Awaiting a report of the result of the trial proposed to be made by the Locomotive Superintendent Cow Catchers of various description