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MADRAS RECORD OFFICE.**Government of Madras.***Public Works* **DEPARTMENT.**G.O. No. 754 (24) Press
Mix.

Dated 6-3-1877.

Not to be folded or roughly handled

No. 112. Read the following endorsement of the Consulting Engineer for Railways, dated Madras, 23rd February 1877, No. 126 :—
Statement of Cases of Fire on the Madras and South Indian Railways for the quarter ending 31st December 1876.

Month and Date.	Train.	Num-ber of En-gine.	Name of Driver.	Where Fire was first discovered.	Whether burning Wood or Coal.	Whether Spark-arrester fitted or not.	Whether Arrest-er and Ash-pan were in good order.	Damage sustained by Vehicle.	Damage to contents of Vehicle.	Number and description of Vehicle.	Whether properly sheeted.	Delay to Train.	Remarks.
MADRAS RAILWAY.													
SOUTH-WEST LINE.													
1876.													
1st Oct.	7 A.M. mixed from Leylore.	26	W. Ablett.	Muddakerry sta- tion.	Wood ..	Yes ..	In good order.	None	One sleeper slightly burnt	H. S. O. G. No. 671.	Not sheeted.	None ..	Probable cause, sparks from engine.
15th "	10-15 A.M. mail ..	125	A. H. Lyder.	At 18 th mile, 4th telegraph post, between the Mulla-puram and Shev- varoy Hills sta- tions.	Do ..	Do ..	Do ..	Vehicle much damag- ed.	Contents, soap- nut in bam- boo baskets de- stroyed.	Coke wagon No. 245.	Properly sheeted.	70 min- utes.	Supposed to be caused by fric- tion of bamboo mat packing.
24th "	8-30 A.M. passenger ..	122	W. R. Pratt.	At 18 th mile, 13th telegraph post, between the Mulla-puram and Shev- varoy Hills sta- tions.	Do ..	Do ..	Do ..	Small hole burnt in corner.	Empty	Do. No. 226.	Not sheeted.	4 min- utes.	Supposed cause, sparks from engine.
2nd Nov.	8-18 A.M. from Erode.	79	W. John- son.	At 17 th mile, 7th telegraph post, between the Mulla-puram and Mulla-puram stations.	Do ..	Do ..	Do ..	Slightly charred in one corner.	One half of tarpaulin, one bundle of twist, and a few gunny bags burnt.	H. S. O. G. No. 1,578.	Not pro- perly sheeted being covered with one tarpaulin	20 min- utes.	Probable cause, sparks from engine.
6th "	10-20 A.M. special goods from Erode to Mulla-puram.	90	J. Bayatt.	At 21 st mile, 1st telegraph post, between the Mulla-puram and Mulla-puram stations.	Do ..	Do ..	Do ..	A place in buffer head stock burnt, about nine inches in circumference.	None	Coke wagon No. 2.	Properly sheeted	6 min- utes.	
14th "	3 P.M. special from Mulla-puram to Mulla-puram.	82	Simmons.	At 19 th mile, be- tween the Shev- varoy Hills and Mulla-puram stations.	Do ..	Do ..	Do ..	Wagon much dam- aged.	Contents much damaged.	H. S. O. G. No. 846.	Sheeted with only one tarpaulin.	20 min- utes.	Supposed cause, sparks from engine.
7th Dec.	6 P.M. mail from Madras.	1	W. Swan.	At 23 rd mile, be- tween the Mulla-puram and Mulla-puram stations.	Do ..	Do ..	Do ..	Slightly charred in one corner.	None	Ballast wagon No. 144.	Properly sheeted.	6 min- utes.	Do.

Statement of Cases of Fire on the Madras and South Indian Railways, &c.—(Continued).

Month and Date.	Train.	Num-ber of En-gine.	Name of Driver.	Where Fire was first discovered.	Whether burning Wood or Coal.	Whether fitted with Spark-arrester or not.	Whether Ash-pan and Spark-pan were in good order.	Damage sustained by Vehicle.	Damage to contents of Vehicle.	Number and description of Vehicle.	Whether properly sheeted.	Delay to Train.	Remarks.
1876.													
13th Dec.	12-30 P.M. special, Palghat to Pothanore.	90	A. Burns.	At Walliar station.	Wood ..	Yes ..	In good order.	A small hole burnt into wagon.	A grease bucket burnt.	Road brake wagon No. 9.	..	5 minutes.	Probable cause, sparks from engine.
26th "	7-30 P.M. special, Palghat to Pothanore.	87	J. Wagstaff.	At Pothanore station.	Do. ...	Do. ...	Do. ...	About three or four inches of end of board burnt.	Five bags of paddy slightly burnt.	Coke wagon No. 257.	Sheeted with one tarpaulin.	No delay.	Do.
9th Oct.	5-20 P.M. mixed from Gondaloul to Adoni.	54	G. Pratt.	At the 297th mile, between the Auspree and Adoni stations.	Coal ..	No ..	Ash-pan in good order.	One flooring board burnt slightly about two inches in length.	Empty.	Coke wagon No. 188.	Not sheeted.	6 minutes.	Do.
18th "	4 P.M. horse special.	84	C. Anderson.	At 55th mile, 7th telegraph post, between the first tany and Nag-gery stations.	Wood ..	Yes ..	In good order.	One corner of cattle truck slightly burnt.	None	Cattle truck No. 23.	..	10 minutes.	Supposed cause, sparks from engine.
21st "	1-35 P.M. mail from Ratchore.	77	A. Carr.	At 99th mile, 2nd telegraph post, between the Triputty and Co-door stations.	Do. ...	Do. ...	Do. ...	A plank in the roof burnt about 8' X 3'.	Empty	Do. No. 9 ..	..	8 minutes.	Do.
26th "	Do.	77	Do. ..	At 101st mile, 12th telegraph post, between the Triputty and Co-door stations.	Do. ...	Do. ...	Do. ...	Inside of doors charred as also one corner of vehicle.	Goods partly damaged.	Coke wagon No. 233.	Properly sheeted.	40 minutes.	Cause of fire, unknown.
31st "	3-50 A.M. horse special from Arcot to Cuddapah.	104	J. Leggett.	At 15th mile, 2nd telegraph post, between the Wontimuttah and Cuddapah stations.	Do. ...	Do. ...	Do. ...	None	None	Cattle wagon No. 30.	..	5 minutes.	Supposed cause, sparks from engine.
31st "	8-25 P.M. mail of 31st October 1876.	42	D. Francis.	At Keesee station.	Do. ...	Do. ...	Do. ...	One angle bar, one cross bar, one side frame, and the bottom boards burnt.	..	G. I. P. medicine wagon.	Not sheeted.	No delay.	Probable cause, sparks from engine.
16th Nov.	5-45 A.M. mixed	42	G. Pratt.	At 251st mile, between the Royal-chervu and Gooty stations.	Do. ...	Do. ...	Do. ...	Two wagons entirely consumed and one scorched.	Contents of two vehicles, viz., loose cotton and Beugal gram entirely consumed.	Coke wagon No. 181, H. S. O. G. No. 1,121.	Properly sheeted.	4 hours 40 minutes.	Do.

Month and Date.	Train.	Num-ber of En-gine.	Name of Driver.	Where Fire was first discovered.	Whether burning Wood or Coal.	Whether fitted with Spark-arrester or not.	Whether Ash-pan and Spark-pan were in good order.	Damage sustained by Vehicle.	Damage to contents of Vehicle.	Number and description of Vehicle.	Whether properly sheeted.	Delay to Train.	Remarks.
17th "	9-40 P.M. special	44	E. Vincent.	At the Kondipuram station.	Do. ...	Do. ...	Do. ...	None	About 1 lb. of cotton burnt out of a bale.	H. S. O. G. No. 1,298.	Not properly sheeted, opened at middle two tarpaulins join together.	5 minutes.	Do.
19th "	5-25 A.M. goods and empties, special from Gooty to Cuddapah.	109	E. Damer and.	At 167th mile, 10th telegraph post, between the Cuddapah and Cuddapah stations.	Do. ...	Do. ...	Do. ...	Woodwork destroyed.	Contents destroyed.	Coke wagon No. 427.	Not sheeted.	2 hours, and 30 minutes.	Do.
1st Dec.	3 A.M. special, Bellary to Cuddapah.	119	G. Allison.	At 196th mile, 8th telegraph post, between the Cuddapah and Wontimuttah stations.	Do. ...	Do. ...	Do. ...	Flooring and sideboards slightly burnt.	Empty	Do. No. 229.	Do. ...	5 minutes.	Do.
16th "	2 P.M. goods and empties from Gooty to Cuddapah.	109	G. Allison.	Near the Royal-chervu station.	Coal ..	No ..	Ash-pan in good order.	Flooring boards slightly scorched.	Do.	Do. No. 237..	Do. ...	8 minutes.	Do.
24th "	9-30 A.M. mixed from Arcot to Cuddapah.	95	J. Marsh.	At 70th mile, 13th telegraph post, between Pootoor and Pootoor stations.	Wood ..	Yes ..	In good order.	One wagon entirely destroyed, two partly.	Contents of one destroyed and part of the other two.	H. S. O. G. Nos. 1,163, 652, and 1,606.	Properly sheeted.	4 minutes.	Do.
26th "	4-45 A.M. mixed Cuddapah to Arcot.	93	W. Jolliffe.	At 119th mile, 12th telegraph post, between the Cuddapah and Reddipully stations.	Do. ...	Do. ...	Do. ...	Two inches square of wagon burnt.	Empty	Coke wagon No. 230.	..	5 minutes.	Do.
9th Oct.	No. 1 train	21	..	At Pootoor station.	Do. ...	Do. ...	In good order.	Damage slight to vehicle.	Two bundles of hides partly burnt.	M. R. H. S. O. G. No. 1,300.	..	15 minutes.	Cannot account for fire.

MADRAS, 23rd February 1877. (Signed) J. H. M. SIAW-STEWART, Lt.-Col., R.E., Consulting Engineer for Railways.

*Proceedings of the Madras Government, Public Works Department,
6th February 1877. No. 754.*

SUBMITTED for the information of Government.

It will be observed that in three of the nine cases on the South-west Line the contents of the wagons were much damaged, the sheeting being imperfect in two cases.

2. Out of the thirteen on the North-west Line, three cases of heavy damage are recorded, the sheeting being imperfect in one case.

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

No. 113. ORDER THEREON, 6th February 1877, No. 754.

RAILWAY, No. 13.

HIS GRACE the Governor in Council observes that, in the foregoing list, several engines are shown to have been responsible for two fires each, and the attention of the Railway authorities should be drawn to them. In several instances the delays appear unnecessarily long. There was one delay of 4 hours and 40 minutes, one of 3 hours and 30 minutes, and one of 2 hours and 30 minutes. The special attention of guards and drivers should be drawn to the necessity of preventing such delays, which of course involve loss of money and extra expenses of various kinds.

2. From some entries in the foregoing list, it is observed that the sheets do not appear to be large enough for the wagons, and that two sheets are used for one wagon. This involves a certain degree of risk, especially when the lap between the sheets is turned towards the engine. It should be explained why a single sheet sufficiently large to cover a wagon is not always used.

(True Extract.)

Lieut.-Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Railway Branch.

To the Consulting Engineer for Railways.

Exd. E. C. Shunker.

Spare Copies

P. W. DEPARTMENT.

READ the following:—

*Indorsement of the Consulting
Engineer for Railways No. 126
of 23rd February 1877.*

FOR ORDERS.

M. S. Stewart
Lt. Col. R.E.
Secy. to Govt. Railways Dept.

13. A. M. Special 119 G. Allison At 12 1/2 miles do do do Flooding
 between the Cuddapah station
 15. 25. R. M. goods 109 G. Allison Near the Royalcham coal ho. Station Flooding
 and empties from host to Cuddapah. in good slight order
 26. 9.30 A.M. 95 J. Marsh At the 7 1/2 mile Road 700 Sugar One wagon
 from Arcum to Cuddapah. between the Postoor and Poody stations order destroyed partly
 25. 4-45 A.M. 93 N. Joliffe At 11 1/2 mile between do do do Two inches
 Cuddapah to Arcum. the footoor & Poody stations
 Oct 9. host train 21 a At Poogaloxe station do do do Damage
 vehicle.

17. 9.40 P.M. 114 B. Vincent At the Kundurum do do do do
 12. 8-45 A.M. 92 G. Pratt At 25 miles between do do do do
 31. 8-25 P.M. 92 B. Vincent At the large station do do do do
 31. 3-50 A.M. 104 J. Regatt At 15 1/2 miles between do do do do
 26. do do do do do do do do
 27. 1-35 P.M. 97 A. Cam At 27 miles between do do do do
 15. 4 P.M. 98 B. Vincent At 27 miles between do do do do
 24. 5-20 P.M. 97 G. Pratt At the 27 mile Road 100 Sugar One wagon
 between the Poody station and Poody station in good order
 21. 8-25 P.M. 92 B. Vincent At the large station do do do do
 31. 3-50 A.M. 104 J. Regatt At 15 1/2 miles between do do do do
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 between the Poody station and Poody station in good order

Statement of cases of fire on the Madras and South Indian Railways for the quarter ending 31st December 1876.

Date	Train	No. of engine	Name of driver	Where fire was first discovered.	Whether burning filter with wood or spark coal.	Whether filter with wood or spark coal.	Whether filter with wood or spark coal.	Damage to engine	Damage to contents of vehicle	Number and description of vehicle	Whether properly sheeted	Delay to train	Remarks
Dec 1 st	7 A.M. mixed from Bangalore.	26	M. Abblett	Muddakur station	Wood	yes	good order	None	One axle slightly bent.	H.S.C.F. No. 671	Not sheeted	None	Probable cause sparks from engine.
15	10-15 A.M. Mail	125	A.H. Loader	At 1 1/4 mile between the Kullapuram and Theravay Hills stations.	do	do	do	Vehicle much damaged.	Contents soap nut in leather baskets much destroyed.	Coach wagon No. 245.	Properly sheeted	70 minutes	Supposed to be caused by friction of bamboo mat packing.
24 th	8-30 A.M. passenger	122	H.R. Pratt	At 1 1/2 mile between the Mulloor and Colar Road stations.	do	do	do	Small hole burnt in corner.	Empty	No. 226	Not sheeted	15 minutes	Supposed cause - sparks from engine.
Jan 2 nd	6-12 A.M. from Erode.	79	M. Johnson	At 2 3/4 miles between the Morapoor and Mallapooram stations.	do	do	do	Slightly charred in one corner.	One half of tarpaulin and one bundle of timber and a few gunny bags burnt.	H.S.C.F. No. 1578	Not properly sheeted being covered with only one tarpaulin	20 minutes	Probable cause - sparks from the engine.
6 th	10-20 A.M. Special from Palghat to Kullapuram.	90	J. Bayatt	At 2 1/4 mile between the Salem and Mac Donalds Choultry stations.	do	do	do	A place in buffer head sheet burnt about 9 inches in circumference.	None.	Coach wagon No. 2.	Properly sheeted	6 minutes	
14 th	3 P.M. Special from Palghat to Kullapuram.	82	Limmers	At 1 1/4 mile between the Theravay Hills and Salem stations.	do	do	do	Wagon much damaged.	Contents much damaged.	H.S.C.F. No. 846	Sheeted with only one tarpaulin	200 minutes	Supposed cause - sparks from engine.
Jan 7 th	6 P.M. mixed from Kullapuram.	1	M. Swan	At 2 1/4 mile between the Brauachy and Romanor stations.	do	do	do	Slightly charred in one corner.	None.	Ballast wagon No. 1111.	Properly sheeted	5 minutes	do
13 th	12-30 P.M. Special from Palghat to Pithapuram.	90	A. Burns	At Walla station	do	do	do	A small hole burnt into wagon.	A grease bucket burnt.	Road brake wagon No. 9.		5 minutes	Probable cause - sparks from engine.
26 th	7-30 P.M. Special from Palghat to Pithapuram.	97	J. Wagstaff	At Pithapuram station.	do	do	do	About 30 inches of end of board burnt.	5 bags of paddy slightly burnt.	Coach wagon No. 257	Sheeted with no delay one tarpaulin.		do

Empty	Coke wagon	do	8 minutes	do
do	do	do	8 minutes	do
Contents of one	H. S. O. G. No. 1163	Properly	4 minutes	do
destroyed and sent	652 + 1606	shredded	shredded	do
of the other two.		into Postoffice	station.	
Empty	Coke wagon	"	5 minutes	do

Indian Railway.

2 bundles hides	H. S. O. G. No. 1200	15 minutes	Cannot account for fire.
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Madsen
23rd February

Muntz
Specie
Copper for Exp.

Empty	Coke wagon	do	8 minutes	do
Contents of one	H. S. O. G. No. 1163	Properly	4 minutes	do
destroyed and sent	652 + 1606	shredded	shredded	do
of the other two.		into Postoffice	station.	
Empty	Coke wagon	"	5 minutes	do
2 bundles hides	H. S. O. G. No. 1200	15 minutes	Cannot account for fire.	
Madsen	23 rd February			
Muntz	Specie			
Copper for Exp.				

PUBLIC WORKS DEPARTMENT,
Railway Branch.

Consulting Engineer's Office,
Madras, 23 February 1877.

No. 126

SUBMITTED

Government

for the information of
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West Line the contents of the wagons
were much damaged, the sheeting
being imperfect in two cases.

Out of the thirteen on the North
West Line, three cases of heavy dam-
age are recorded the sheeting being
imperfect in one case.

I do not quite follow the argument of sheeting - from some
reason it would appear the sheeting was not large enough for
wagons. & good 2 - 2 sheets always
leave a dangerous place at the top.
is to make the wagon as a whole, a sheet would be
a single sheet is frequently caught by sliding the top - why do
not the sheets cover the wagon a little -
engines causing fire, to be a long time for Railways
Mantlement,
J. Col. R.E.

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The Canal Engineer
for Railways (Ed. No. 126 d / 23rd Feb 1877)

His Grace the Governor
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the foregoing list, several sin-
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[illegible]

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995
Govt. of 1877 Madras.
PUBLIC WORKS.

Dated

Issued

Recd.

March Encl.

G. O. 5-1877, No.

Nos. 112-113

Statement of cases of fire
in the Madras and S.
Dept for quarter ending
31st December 1876 -
Receiving the

Draft no 100.

C. E. for 1876