

T.M-8

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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 256 + 257	Press Mis.
494-495	
Dated 24-1-	1868.

Not to be folded or roughly handled

311

No. 494. Read the following letter from the Consulting Engineer for Railways, to the Secretary to Government, Public Works Department, dated Madras, 20th January 1868, No. 25 :—

I have the honor to acknowledge the receipt of your Memorandum No. 4, dated the 7th instant, and to forward the Returns of accidents on the Madras Railway, North-West and South-West Lines, and on the Great Southern of India Railway during the year 1867.

TABLE No. I.
Return of the number and nature of the accidents and the injuries to life and limb which have occurred on all the Madras and Great Southern of India Railways open for traffic during the year 1897.

[illegible][illegible]

Proceedings of the Madras Government, Public Works Department,
24th January 1863.

Proceedings of the Madras Government, Public Works Department,
24th January 1863.

Return of the number and nature of the accidents and the injuries to life and limb, &c.—(Concluded)

Return of the number and nature of the accidents and the injuries to life and limb, &c.—(Continued.)																	
Date.	Nature and cause of accidents.	CLASSIFICATION OF ACCIDENTS TO TRAINS, &c.,						PASSENGERS.		SERVANTS OF COMPANIES OR OF CONTRACTORS.		OTHER PERSONS.					
		Main heads.			Sub-heads.	Distinguishing letter of column in Return No. 3.	From causes beyond their own control.		From their own misconduct and want of caution.		From causes beyond their own control.	From their own misconduct and want of caution.	Whilst crossing at level crossings.	Whilst trespassing including suicide.	Miscellaneous.		
		I—Collisions.	II—Getting off proper line.	III—Fire.			IV—Running over Cattle.	V—Other causes.	Injured.	Killed.						Injured.	Killed.
1867.	<i>Madras Railway.—(Concluded)</i>																
9th Oct. ...	A coolie working at a Circular Saw received a deep cut on the left thumb ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
10th " ...	An Apprentice whilst boring, the tool passed through the palm of his hand ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
16th Nov....	A striker had the first joint of the great and second toe of the left foot crushed while lifting a boiler ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
27th " ...	A coolie jumped off in front of trolley in motion was run over by it and killed ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
21st Dec. ...	An High-Sided Open Goods Wagon discovered to be on fire ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
		1	3	2	1	...	...	...	...	...	...	...	...	1	...		
									5	11	2	1	...	...	...		
7th Feb. ...	<i>Great Southern of India Railway.</i> The guard iron of an engine struck a post sleeper which had been placed on the line and broke it ...																
8th " ...	A coolie crossing the line was knocked down and killed ...																
26th " ...	A coolie girl working at a ballast pit slipped in and died from the injuries received ...																

23rd March.	A Carpenter fell from the roofing of the station at Trichinopoly and fractured his left arm and nasal bone ...	1												
23rd " ...	A portion of a train got off the line ...													
5th June ...	A train came in contact with a trolley which was on the line contrary to regulations and passed over one of its wheels ...													
8th Aug. ...	A native who was on a truck contrary to regulations, fell off and had his hand crushed and died ...													
10th " ...	A coolie trying to get from one waggon to another fell between, had his right hand injured and died ...													
27th " ...	An old native attempting to cross the line was knocked down and killed ...													
10th Nov. ...	An old woman was knocked down and killed whilst crossing the line ...													
28th " ...	A native attempting to get off a ballast train fell between and was killed ...													
		1	1						1	3		2	1	

MADRAS,
20th January 1863.

(Signed) J. H. M. SHAW STEWART, Major, R.E.,

Consulting Engineer for Railways.

Proceedings of the Madras Government, Public Works Department,
24th January 1868.

TABLE No. I A.

Abstract of the number and nature of the accidents and of the injuries to life and limb which have occurred on the Railway open for traffic during the year 1867.

Presidency.	Mean mileage open.	Railways.	CLASSIFICATION OF ACCIDENTS TO TRAINS, &c.							PASSENGERS.				SERVANTS OF COMPANIES OR OF CONTRACTORS.				OTHER PERSONS.				Total persons of all classes.			
			Main heads.					From causes beyond their own control.		From their own misconduct and want of caution.		From causes beyond their own control.		From their own misconduct or want of caution.		Whilst crossing at level crossings.		Whilst trespassing, including suicide.		Miscellaneous.					
			I.—Collisions.	II.—Getting off proper line.	III.—Fire.	IV.—Running over cattle.	V.—Other causes.	Total.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed and Injured.	Killed and Injured.	
Madras.	645	Madras (South-West and North-West).	1	3	2	1	7	5	11	2	1	...	...	...	1	...	1	...	...	...	9	12	21		
	625	North-West.	1	6	3	...	10	...	...	1	3	...	...	...	...	...	6	...	...	...	7	3	10		
	1354	Great Southern	1	1	...	...	3	1	1	3	...	...	...	...	...	2	...	1	...	...	7	1	8		
	83	of India.	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	1		

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

MADRAS,
20th January 1868.

Proceedings of the Madras Government, Public Works Department,
24th January 1868.

TABLE No. II.

Numerical Abstract of accidents to persons of all classes on the Madras Railways open for traffic during 1867.

	MADRAS.				TOTAL.		
	Madras.		Great Southern of India.				
	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed and Injured.
PASSENGERS.							
<i>From causes beyond their own control, viz. :—</i>							
From accidents to trains ...	...	...	...	...	...	...	...
From other causes ...	...	...	...	...	...	...	...
Total number ...	...	...	...	...	...	...	...
Per million of passengers...	...	...	...	...	...	...	...
From their own misconduct or incaution ...	...	...	...	...	...	...	...
Per million of passengers...	...	...	...	...	...	...	...
Total from all causes...	...	...	...	...	...	...	...
<i>Servants of Companies and of Contractors.</i>							
From causes beyond their own control ...	5	11	1	1	6	12	18
From their own misconduct or incaution ...	2	1	3	...	5	1	6
Total from all causes...	7	12	4	1	11	13	24
OTHER PERSONS.							
Crossing at level crossings ...	...	...	2	...	2	...	2
Trespassers including suicide ...	1	...	1	...	2	...	2
Miscellaneous ...	1	...	...	...	1	...	1
Total from all causes...	2	...	3	...	5	...	5
Grand total of all classes from all causes ...	9	12	7	1	16	13	29
Mean length of Railway open during the year (miles) ...	645		135½		780½		
Number of Passengers carried ...	2,047,310		448,477		2,495,787		
Engine mileage (Goods and Passengers) ...	1,630,677		233,815		1,864,522		
Number of servants employed ...	6,939		5,455		12,394		

MADRAS,
20th January 1868.

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

TABLE No. IIA.

Classified abstract of accidents to servants of Companies and of Contractors during the year 1867.

	MADRAS.			
	Madras Railway.		Great Southern of India Railway.	
	Killed.	Injured.	Killed.	Injured.
I.—FROM CAUSES BEYOND THEIR OWN CONTROL, VIZ. :—				
(a.) Servants employed on Trains in motion.				
1. Collisions				
2. Trains running into sidings, or off their proper line through points being wrong...				
3. Trains or Engines getting off rails...				
4. Accidents arising from defects in rolling stock		1	.....	.....
5. Miscellaneous				
Total		1	.....	.....
(b.) Servants employed in Stations or on Line.				
1. Run over or crushed between buffers while coupling or uncoupling carriages or waggons				
2. Run over while shunting trains				
3. Run over or struck while properly performing other duties		1	.....	.....
4. Miscellaneous				
Total		2	.....	.....
II.—FROM INCAUTION OR MISCONDUCT, VIZ. :—				
(a.) Servants employed on Trains in motion.				
1. Collisions				
2. Attempting to get upon or off, or falling from engines or carriages in motion				
3. Miscellaneous				
Total		1	.....	.....
(b.) Servants employed in Stations or on Line.				
1. Crushed between buffers or run over while coupling or uncoupling carriages or waggons				
2. Run over or struck while shunting trains				
Do. do. while incautiously crossing, standing, or walking upon Railway...				
4. Miscellaneous				
Total				
Engine mileage				
Number of servants employed				
Grand Total				
	1	4	.....	.....
	1,60,077	6,939	23,845	5,459

MADRAS,
20th January 1868.

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

TABLE No. III.
Numerical Abstract of accidents to Trains, &c., on open lines of Railway in the Madras Presidency, during 1867, showing their causes, and the number of persons killed and injured thereby.

Nature of accidents.	Number of accidents.		Number of passengers.		Number of servants of Companies or Contractors.		Other persons not servants of Companies or Contractors.		Total number of servants, passengers, and others.		CLASSIFICATION OF ACCIDENTS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Apparently unavoidable or not accounted for.			Defects in rolling stock or road and works.			Neglect or defects in management or discipline.						Improper interference by persons not under the control of the Company.	Malicious acts of persons not under the control of the Company.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
											A.	B.	C.	D.	E.	F.	G.	H.	I.	J.	K.	L.			Working signals and telegraph.	Pointsmen.	Gatekeepers and Police.	Workmen employed on line.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

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

MADRAS,
20th January 1868.

Madras,
20th January 1863.

Railways and nature of accidents.	Number of accidents.		Number of passengers.	Number of servants of Companies and Contractors.	Other persons not passengers or servants of Companies or Contractors.	Total number of passengers, servants, or servants of Companies, passengers or Contractors.	Classification of accidents.													
	Killed.	Injured.					Apparently unavoidable or not accounted for.		Rolling Stock.	Road and works.	Fences.	Locomotive Department.	Guard.	Traffic Department.	Working signals and telegraph.	Pointsmen.	Gatesmen and Police.	Workmen employed on line.	Improper interference by persons not under the control of the Company.	Malicious acts of persons not under the control of the Company.
Madras South-West and North-West line (645 miles open—) Nil.	...	...	...	...	...	...	A.	B.	C.	D.	E.	F.	G.	H.	I.	J.	K.	L.	M.	N.
Great Southern of India Railway (144 miles open).	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
II.—Getting off proper line.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
V.—Other causes	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Madras,
1907, January, 1898

(Signed) I H V

TABLE No. III A.
Numerical Abstract of accidents to Passenger Trains on Railways open for traffic during 1867, showing their causes and the number of Passengers killed and injured thereby.

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

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

TABLE No. IV.
Showing the total number of accidents to persons of all kinds, and to trains, &c., in the Madras Presidency during the year 1867.

Presidency.	Main length of Railway open.	Total number of train miles.	Train miles per mile open.	Total number of accidents to trains, &c., of all kinds.	Total number of passengers carried.	Average number of passengers per mile.	PASSENGERS.		SERVANTS.				TRESPASSERS, &c.		TOTAL.			
							Killed.	Injured.	Beyond	Within	Own control.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed and Injured.
Madras	1867...	7804	1,597,385	2,046	10	2,495,787	3,198	...	...	6	12	5	1	5	...	16	13	29
	1866...	708	1,504,307	2,175	7	2,305,621	2,987	...	...	...	...	...	1	6	...	7	4	11

MADRAS,
20th January 1863.

*Proceedings of the Madras Government, Public Works Department,
24th January 1868.*

No. 495.

ORDER THEREON, 24th January 1868, No. 256.

RAILWAY, No. 37.

Ordered that these papers be communicated to the Government of India.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

The Consulting Eng^r for Railways.

Erd. S. T. Augustin.

*Proceedings of the Madras Government, Public Works Department,
24th January 1868.*

No. 494. Read the following letter from the Consulting Engineer for Railways, to the Secretary to Government, Public Works Department, dated Madras, 20th January 1868, No. 25 :-

I have the honor to acknowledge the receipt of your Memorandum No. 4, dated the 7th instant, and to forward the Returns of accidents on the Madras Railway, North-West and South-West Lines, and on the Great Southern of India Railway during the year 1867.

Railways open for traffic during the year 1867.

*Proceedings of the Madras Government, Public Works Department,
24th January 1868.*

[illegible]

*Proceedings of the Madras Government, Public Works Department,
24th January 1868.*

[illegible]

Return of the number and nature of the accidents and the injuries to life and limb, &c.—(Concluded)

Proceedings of the Madras Government, Public Works Department,
24th January 1863.

Date.	Nature and cause of accidents.	CLASSIFICATION OF ACCIDENTS TO TRAINS, &c.						PASSENGERS.		SERVANTS OF COMPANIES OR OF CONTRACTORS.				OTHER PERSONS.					
		Main heads.				Sub-heads.	From causes beyond their own control.		From their own misconduct and want of caution.		From causes beyond their own control.		From their own misconduct and want of caution.		Whilst crossing at level crossings.	Whilst trespassing including suicide.	Miscellaneous.		
		I—Collisions.	II—Getting off proper line.	III—Fire.	IV—Running over Cattle.		V—Other causes.	Distinguishing letter of column in Return No. 3.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.				Injured.	Killed.
1867.	<i>Madras Railway.—(Concluded)</i>	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
9th Oct. ...	A cooly working at a Circular Saw received a deep cut on the left thumb ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
10th „ ...	An Apprentice whilst boring, the tool passed through the palm of his hand...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
16th Nov...	A striker had the first joint of the great and second toe of the left foot crushed while lifting a boiler ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
27th „ ...	A cooly jumped off in front of trolley in motion was run over by it and killed...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
21st Dec. ...	An High-Sided Open Goods Waggon discovered to be on fire ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
		1	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...		
7th Feb. ...	<i>Great Southern of India Railway.</i> The guard iron of an Engine struck a pot sleeper which had been placed on the line and broke it ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
8th „ ...	A cooly crossing the line was knocked down and killed ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
26th „ ...	A cooly girl working at a ballast pit slipped in and died from the injuries received	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		

Proceedings of the Madras Government, Public Works Department,
24th January 1863.

23rd March.	A Carpenter fell from the roofing of the station at Trichinopoly and fractured his left arm and nasal bone ...	...	...	...	...	...	...	...	...	...	...	...	...
27rd " ...	A portion of a train got off the line ...	...	...	...	...	...	...	...	...	...	...	...	...
5th June ...	A train came in contact with a trolley which was on the line contrary to regulations and passed over one of its wheels ...	...	...	...	...	...	...	...	...	...	...	...	...
8th Aug. ...	A native who was on a truck contrary to regulations, fell off and had his hand crushed and died ...	...	...	...	...	...	...	...	...	...	...	...	...
10th " ...	A cooly trying to get from one waggon to another fell between, had his right hand injured and died ...	...	...	...	...	...	...	...	...	...	...	...	...
27th " ...	An old native attempting to cross the line was knocked down and killed ...	...	...	...	...	...	...	...	...	...	...	...	...
10th Nov....	An old woman was knocked down and killed whilst crossing the line ...	...	...	...	...	...	...	...	...	...	...	...	...
28th " ...	A native attempting to get off a ballast train fell between and was killed ...	...	...	...	...	...	...	...	...	...	...	...	...

MADRAS,

20th January 1863.

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

Proceedings of the Madras Government, Public Works Department,
21st January 1863.

TABLE No. I A.
Abstract of the number and nature of the accidents and of the injuries to life and limb which have occurred on the Railway open for traffic during the year 1867.

Presidency.	Mean mileage open.	Railways.	CLASSIFICATION OF ACCIDENTS TO TRAINS, &c.							PASSENGERS.				SERVANTS OF COMPANIES OR OF CONTRACTORS.				OTHER PERSONS.				Total persons of all classes.																
			Main heads.							From causes beyond their own control.				From their own misconduct and want of caution.				From causes beyond their own control.					From their own misconduct and want of caution.				Whilst crossing at level crossings.				Whilst trespassing, including suicide.				Miscellaneous.			
			I.—Collisions.	II.—Getting off proper line.	III.—Fire.	IV.—Running over cattle.	V.—Other causes.	Total.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.		Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.							
Madras.	645	Madras (South-West and North-West).	1	3	2	1	7	5	11	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
	625		1	6	3	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...								
	135½	Great Southern of India.	1	1	...	1	3	1	1	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...								
	83		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...								

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

MADRAS,
20th January 1863.

Proceedings of the Madras Government, Public Works Department,
21st January 1863.

TABLE No. II.

Numerical Abstract of accidents to persons of all classes on the Madras Railways open for traffic during 1867.

	MADRAS.				TOTAL.		
	Madras.		Great Southern of India.		Killed.	Injured.	Killed and Injured.
	Killed.	Injured.	Killed.	Injured.			
PASSENGERS.							
<i>From causes beyond their own control, viz. :—</i>							
From accidents to trains ...	...	...	...	...	...	...	...
From other causes ...	...	...	...	...	...	...	...
Total number ...	...	...	...	...	...	...	...
Per million of passengers...	...	...	...	...	...	...	...
From their own misconduct or incaution ...	...	...	...	...	...	...	...
Per million of passengers...	...	...	...	...	...	...	...
Total from all causes...	...	...	...	...	...	...	...
<i>Servants of Companies and of Contractors.</i>							
From causes beyond their own control ...	5	11	1	1	6	12	18
From their own misconduct or incaution ...	2	1	3	...	5	1	6
Total from all causes...	7	12	4	1	11	13	24
OTHER PERSONS.							
Crossing at level crossings ...	...	...	2	...	2	...	2
Trespassers including suicide ...	1	...	1	...	2	...	2
Miscellaneous ...	1	...	...	...	1	...	1
Total from all causes...	2	...	3	...	5	...	5
Grand total of all classes from all causes ...	9	12	7	1	16	13	29
Mean length of Railway open during the year (miles) ...	645		135½		780½		
Number of Passengers carried ...	2,047,310		448,477		2,495,787		
Engine mileage (Goods and Passengers) ...	1,680,677		233,815		1,864,522		
Number of servants employed ...	6,939		5,455		12,394		

MADRAS,
20th January 1863.

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

Proceedings of the Madras Government, Public Works Department,
24th January 1868.

TABLE No. IIA.

Classified abstract of accidents to servants of Companies and of Contractors during the year 1867.

	MADRAS.			
	Madras Railway.		Great Southern of India Railway.	
	Killed.	Injured.	Killed.	Injured.
I.—FROM CAUSES BEYOND THEIR OWN CONTROL, VIZ. :—				
(a.) Servants employed on Trains in motion.				
1. Collisions				
2. Trains running into sidings, or off their proper line through points being wrong...				
3. Trains or Engines getting off rails...				
4. Accidents arising from defects in rolling stock				
5. Miscellaneous				
Total				
(b.) Servants employed in Stations or on Line.				
1. Run over or crushed between buffers while coupling or uncoupling carriages or waggons				
2. Run over while shunting trains				
3. Run over or struck while properly performing other duties				
4. Miscellaneous				
Total				
II.—FROM INCAUTION OR MISCONDUCT, VIZ. :—				
(a.) Servants employed on Trains in motion.				
1. Collisions				
2. Attempting to get upon or off, or falling from engines or carriages in motion				
3. Miscellaneous				
Total				
(b.) Servants employed in Stations or on Line.				
1. Crushed between buffers or run over while coupling or uncoupling carriages or waggons				
2. Run over or struck while shunting trains				
Do. do. while incautiously crossing, standing, or walking upon Railway...				
4. Miscellaneous				
Total				
Grand Total				
Engine mileage				
Number of servants employed				
	1	4	2	.....
	1,610,677	6,939	233,845	5,455

MADRAS,
20th January 1868.

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

Proceedings of the Madras Government, Public Works Department,
24th January 1868.

TABLE No. III.
Numerical Abstract of accidents to Trains, &c., on open lines of Railway in the Madras Presidency, during 1867, showing their causes, and the number of persons killed and injured thereby.

Nature of accidents.	Number of accidents.		Number of passengers.		Number of servants of Companies or Contractors.		Other persons not servants of Companies or Contractors.		Total number of persons.		CLASSIFICATION OF ACCIDENTS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Apparently unavoidable or not accounted for.			Defects in rolling stock or road and works.			Neglect or defects in management or discipline.						Improper interference by persons not under the control of the Company.	Malicious acts of persons not under the control of the Company.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
											A.	B.	C.	D.	E.	F.	G.	H.	I.	J.	K.	L.			Pointsmen.	Gate-men and Police.	Workmen employed on line.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

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

MADRAS,
20th January 1868.

Proceedings of the Madras Government, Public Works Department,
21th Jaunary 1868.

MADRAS,
20th January 1868.

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

Railways and nature of accidents.	Classification of accidents.											
	Number of accidents.			Number of passengers.			Number of servants.			Other persons not passengers.		
	Killed.	Injured.	Total.	Killed.	Injured.	Total.	Killed.	Injured.	Total.	Killed.	Injured.	Total.
I.—Madras South-West and North-West Line (645 miles open—)XII.	...	...	...	...	...	...	...	...	...	...	...	...
II.—Great Southern of India Railway (144 miles open).	...	...	...	...	...	...	...	...	...	...	...	...
III.—Getting off proper line.	...	...	...	...	...	...	...	...	...	...	...	...
IV.—Other causes	...	...	...	...	...	...	...	...	...	...	...	...
Apparently unavoidable or not accounted for.	Rolling Stock.			Road and works.			Fences.			Locomotive Department.		
	...			...			...			...		
Neglect or defects in management or discipline.	Guard.			Traffic Department.			Working signals and telegraph.			Pointsmen.		
	...			...			...			...		
Improper interference by persons not under the control of the Company.	Gatesmen and Police.			Workmen employed on line.			...			...		
	...			...			...			...		
Malicious acts of persons not under the control of the Company.	...			...			...			...		
	...			...			...			...		

TABLE No. III A.
Numerical Abstract of accidents to Passenger Trains on Railways open for traffic during 1867, showing their causes and the number of Passengers killed and injured thereby.

Proceedings of the Madras Government, Public Works Department,
24th January 1868.

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

MADRAS,
20th January 1868.

Presidency.	Main length of Railway open.	Total number of train miles.	Train miles per mile open.	Total number of accidents to trains, &c., of all kinds.	Total number of passengers carried.	Average number of passengers per mile.	PASSENGERS.		SERVANTS.				TRESPASSERS, &c.		TOTAL.			
							Killed.	Injured.	Beyond	Within	Own control.	Killed.	Injured.	Killed.	Injured.	Killed and Injured.		
Madras	1807...	7804	1,597,385	2,046	10	2,495,787	3,198	...	...	6	12	5	1	5	...	16	13	29
	1806...	708	1,504,307	2,175	7	2,335,621	2,987	...	...	...	...	...	1	4	6	...	7	4	11

TABLE No. IV.
Showing the total number of accidents to persons of all kinds, and to trains, &c., in the Madras Presidency during the year 1867..

Erd. S. T. Augustin.

Proceedings of the Madras Government, Public Works Department,
24th January 1868.

No. 495. ORDER THEREON, 24th January 1868, No. 256.
RAILWAY, No. 37.

Ordered that these papers be communicated to the Government of India.
(True Extract.)
(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 496. Docket No. 257, dated 24th January 1868.
Copy of the above forwarded to the Secretary to the Government of India in the Public Works Department, with reference to his letter of the 15th October 1867, No. 901 R.

(True Extract.)
(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

Table No. I A

Abstract of the number and nature of the accidents and of the injuries to life and limb which have occurred on the Railway open for traffic during the year 1867.

Railway.	Classification of accidents to injuries, &c.					Passengers.		Servants of Govt. - Police or other persons.		Other persons.		Total persons.	
	I Collisions.	II Getting off improperly.	III Fire.	IV Running over cattle.	V Other causes.	From Causes beyond their own control.	From their own mis-conduct beyond their own control.	From their own mis-conduct beyond their own control.	From their own mis-conduct beyond their own control.	Whist.	Whist.	Whist.	Whist.
Madras	1	2	1	1	1	1	1	1	1	1	1	1	1
Madras (South-West)	1	1	1	1	1	1	1	1	1	1	1	1	1
Madras (North-West)	1	1	1	1	1	1	1	1	1	1	1	1	1
Great Southern of India	1	1	1	1	1	1	1	1	1	1	1	1	1
India	1	1	1	1	1	1	1	1	1	1	1	1	1

Madras
20 January
1868

Major R. E.
Consulting Eng. for Railways

In a letter from the
 Consulting Engineer for
 Railways to the Secy
 of Genl^l P. W. - Dated 24
 20th Decr/88 No 25.

3

PM 25/88

Table No 14

Table No. II

Numerical abstract of accidents to persons of all classes on the Madras Railway open for traffic during 1868.

	Madras		Great Southern of India.		Total	
	Killed	Injured	Killed	Injured	Killed	Injured
From causes beyond their own control viz:						
From accidents to trains	.	.	.	.	.	.
From other causes	.	.	.	.	.	.
Total number	.	.	.	.	.	.
Per million of passengers	.	.	.	.	.	.
From their own misconduct or inattention	.	.	.	.	.	.
Per million of passengers	.	.	.	.	.	.
Total from all causes	.	.	.	.	.	.
Results of Commission and of Contractors						
From causes beyond their own control	5	11	1	1	6	12
From their own misconduct or inattention	2	1	3		5	1
Total from all causes	7	12	4	1	11	13
Other persons						
Dropping at level crossings	.	.	2	.	2	.
From passengers including suicide	1	.	1	.	2	.
Miscellaneous	1	.	.	.	1	.
Total from all causes	2	.	3	.	5	.
Grand total of all classes from all causes	9	12	7	1	16	13
As can be seen of Railway open during the year (miles)						
Number of passengers carried	645		135½			780½
Engine mileage (Goods and Passengers)	2,047,310		448,477		2,495,787	
Number of servants employed	1,630,677		233,845		1,864,522	
	6,939		5455		12,394	

Madras
20th January
1868

Major R. C.
Consulting Engineer for R.G.

(1)

is a letter from the
 Consulting Engineer for
 Railways to the Dept
 of Public Works. Dated 14
 Dec 1894. No 25.

1894 Dec 25-31

Table No II

Table No. II A

Classified abstract of accidents to servants of Companies and of Contractors during the year 1867.

		Madras.		Great Southern of India Railway.	
		Killed.	Injured.	Killed.	Injured.
I From causes beyond their own control, viz.:-					
(a) Servants employed on trains in motion.					
1. Collisions.	"	"	"	"	"
2. Trains running into sidings, or off their proper line through points being wrong.	"	"	"	"	"
3. Trains or engines getting off rails.	"	"	"	"	"
4. Accidents arising from defects in Rolling stock.	"	"	"	"	"
5. Miscellaneous.	"	"	"	"	"
Total		2			
(b) Servants employed in stations or on line.					
1. Run over or crushed between buffers while coupling or uncoupling.	"	"	"	"	"
2. Run over or crushed while standing on a passing train.	"	"	"	"	"
3. Run over or struck while properly performing other duties.	"	"	"	"	"
4. Miscellaneous.	"	"	"	"	"
Total		1			
II From inattention or misconduct, viz.:-					
(a) Servants employed on trains in motion.					
1. Obstructions.	"	"	"	"	"
2. Attempting to get upon or off, or falling from engines or carriages in motion.	1	"	"	2	"
3. Miscellaneous.	"	"	"	"	"
Total		1		2	
(b) Servants employed in stations or on line.					
1. Crushed between buffers or run over while coupling or uncoupling carriages or wagons.	"	"	"	"	"
2. Run over or struck while shunting trains.	"	"	1	"	"
3. Run over or struck while incautiously crossing, standing, or walking upon Railways.	"	"	"	"	"
4. Miscellaneous.	"	"	"	"	"
Total		1	1		
Grand Total		1	4	2	
Engine mileage.		1630,677		233,845	
Number of servants employed.		6939		5455	

Memorandum

Madras
20 January 1868

Major D. E.
General Manager for Railways

In a letter from the
Countess Rupiner for
Railways to the King
of Saxony ~~Prussia~~ ^{Prussia} ~~Captive~~ ^{Captive} of
28th June 1865 No 25.

65-2537-10

Julie H^o H^o H^o

Table No. III

37

Numerical abstract of accidents to trains &c on open lines of Railway in the Madras Presidency during 1867, showing their causes and the number of persons killed and injured. Thereby.

Nature of accidents	Number of accidents	Number of passengers		Number of servants of Companies or Contractors		Over persons not passengers or servants of Companies or Contractors		Total number of servants passengers and others.		Classification of Accidents														Improper interference by persons not under the control of the company	Deliberate acts of persons not under the control of the company.	
		Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Apparent to be unavoidable or not accounted for.	Defects in Rolling stock or road and works.				Neglect or defects in management or discipline.											
											Rolling stock	Road and works	Fences	Locomotive Department	Guard	Staff	Passenger Department	Working signals & telegraph.	Postmen	Gatekeepers & Police.	Workmen employed on line.	m	n			
										a	b	c	d	e	f	g	h	j	k	l	m	n				
Madras Railway (645 miles open)																										
I Collisions	1	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.		
II Getting off proper line	3	.	.	.	.	.	.	1	.	.	.	2	.	.	.	.	.	1	.	.	.	.	.	.		
III Fire	2	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
IV Running over cattle	1	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
Total	7	.	.	.	.	.	.	1	.	3	.	2	.	1	.	.	.	1	.	.	.	.	.	.		
Great Southern of India Railway (144 miles open)																										
I Collisions	1	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.		
II Getting off proper line	1	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
V Other causes	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1		
Total	3	.	.	.	.	.	.	.	.	1	.	.	.	1	.	.	.	.	.	.	.	.	.	1		

Madras
20 January
1868

Montgomery Leaps R.E.
Consulting Eng. for G.P.

In a letter from the
Counting Engineer for
Railways to the Secy
of the R. W. - C. 1872
25th June 1872 No 25.

1872 25/6/72

Page No III

Table III A

Numerical abstract of accidents to passenger trains on Railways open for traffic during 1867, showing their causes and the number of passengers killed and injured thereby.

Railways and nature of Accidents.	Number of accidents.	Number of passengers.		Number of servants of Companies and of Contractors.		Other persons not passengers or servants of Companies or of Contractors.	Total number of servants, passengers, and others.		Classification of accidents.													
		Killed.	Injured.	Killed.	Injured.		Killed.	Injured.	Apparently inevitable or not accounted for.	Defects in Rolling stock or road and works.		Neglect or defects in management or discipline.										
										Rolling Stock.	Road and works.	Fences.	Locomotive Department.	Guard.	Staff.	Department.	Working signals and Telegraph.	Pointmen.	Gatekeepers and Police.	Workmen employed on line.	Improper interference by persons not under the control of the Company.	Malicious acts of persons not under the control of the Company.
									A.	B.	C.	D.	E.	F.	G.	H.	I.	J.	K.	L.	M.	N.
Madras. South-West and North-West Lines. (645 miles open) Nil.																						
Great Southern of India Railway (144 miles open)																						
II Getting off proper line									1													
V Other causes.																			1			

Madras
20th January
1868

Maister Major R. E.
Consulting Eng^r for R. G.

Table No. III 4:

1866-253/60

In a letter from the
Consulting Engineer for
Railways to the Hon.
to Govt. P.W. - Oct 17th of
20th Aug 1887 No 25-

Table No. IV

Showing the total number of accidents to persons of all kinds, and to trains, &c., in the
Madras Presidency during the year 1867.

Presidency.	Madras	Mean Length of Railway lines.	Total number of train miles.	Train miles per mile of line.	Total number of accidents to trains, &c., of all kinds.	Total number of passengers carried.	Average number of passengers per mile.	Passengers.					Total.			
								Beyond Station.	Within Station.	Total.	Dead.	Injured.				
Madras	1867	720 1/2	1597.385	2.046	10	249,475	318	.	6	12	5	1	5	16	13	29
		708	1504.307	2.115	7	230,561	298	.	.	.	1	4	6	7	4	11
Madras	1868	708	1504.307	2.115	7	230,561	298	.	.	.	1	4	6	7	4	11
		708	1504.307	2.115	7	230,561	298	.	.	.	1	4	6	7	4	11

Madras
20. January
1868

Consulting Engineer for Railways
P. C.

See a letter from the
Quecting Engineer for
Railways to the Secy
of the R.R. - Capital of
the country is 28.

8

1725/10

Salute No IV.

1725/10

61-
Return of the number and nature of the accidents and the injuries to life and limbs sustained on all the roads and great sections of India Railways open for traffic during the year 1901.

Date	Location and Cause of Accidents	Classification of Accidents to locomotives	Percentage of Accidents to locomotives	Percentage of Accidents to locomotives	Percentage of Accidents to locomotives
February 12	A native workman fell from a pier of the Cannon bridge while running a stop for meeting and died.	I Collisions.			
March 18	A high-sided open goods wagon was thrown off the line by coming in contact with a ballast. A woman laden with cotton found to be on fire - A native man over by a train and killed at night.	II Getting off proper line.			
April 4	One wagon of a ballast train got off the main line at Kottapattanam station.	III Fire.			
April 20	A Railway laborer carrying timber with another accidentally knocked down and killed. The timber falling on his chest was killed. An old man said to be deaf knocked down by an engine and killed.	IV Running over Cattle.			
May 1	A native fireman accidentally fell off the step of the engine and had his right foot crushed.	V Other causes.			
May 9	A cart and a horse to have fallen asleep on the rails was run over by a train and killed.	Distinguishing between Collision in Return No. 3.			
May 14	A goods train got off the main line siding at the Jorrapath station.	Killed. From causes beyond their own control.			
May 18	A native man run over by a train and killed.	Injured. From their own misconduct and want of caution.			
May 22	A native said to have committed a murder on account in the morning in a field to have committed suicide by a train and killed.	Killed. From causes beyond their own control.			
May 26	Engine driver and three wagons thrown off the line at the Chittanathi river, around person had his arm injured.	Injured. From their own misconduct and want of caution.			
May 28	A native sawyer nearly was killed at the Chittanathi river by timber falling on him.	Killed. From their own misconduct and want of caution.			
May 30	A native driver at the Chittanathi river while turning a signal of a train had his left hand severely crushed.	Killed. From their own misconduct and want of caution.			
May 31	A guard while conducting the running at the Chittanathi station the engine men over and crushed his toe.	Killed. From their own misconduct and want of caution.			
June 1	A cart while separating Cattle was killed by a man of cart falling on him.	Killed. From their own misconduct and want of caution.			
June 2	A native porter at Chittanathi had his right hand injured in the execution of his duty.	Killed. From their own misconduct and want of caution.			
June 3	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 4	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 5	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 6	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 7	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 8	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 9	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 10	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 11	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 12	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 13	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 14	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 15	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 16	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 17	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 18	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 19	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 20	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 21	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 22	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 23	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 24	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 25	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 26	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 27	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 28	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 29	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			
June 30	A cart while working at a circular saw had his right hand crushed off. A native man injured the palm of his hand. A native man injured the palm of his hand. A native man injured the palm of his hand.	Killed. From their own misconduct and want of caution.			

In a letter from the
Consulting Engineer for Rail-
ways to the Secy to Govt.
P. W. Dept. of 26th Jan'y/68
No 25-

Recd. 26 Jan'y 1868

253/68

Table No I

256
Public Works Department.

no. 256

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 21st Jan'y 1868

Read the following

(Here enter No. dated)

Ordered that these
papers be communicated
to the Government of India.

2nd Secy. Engr. for Rail.
Recd 27/1/68
Docket No. 257

no. 257

Copy of the above
forwarded to the Secretary
to the Government of India
in the Public Works Depart-
ment, with reference to his
letter of the 15 October 1867,
No 901 R.

Recd 24/1/68

East St George
24th Jan'y 1868

1844-45

State Districts 1845

Trans. Geo. for January

1845

Proof the. Madras Govt

1845

Trans. Geo. for January
1845

1844-45