

Public Works (190¹⁸⁹⁵) Department.

RAILWAY BRANCH.

G.O., No. 242 R

DATED 23-8-1895

[Despatch Abstract.]

Results of the working of continuous automatic
brakes in use on railways in India during the
six months ended the 31st December 1894

Communicating to the Agents Madras, South Indian
and Nizam's Railway and the Engineer in
Chief Nilgiri Railway the —



SOUTH INDIAN RAILWAY.

ABSTRACT AND RETURN OF LATE TRAINS

for the month of *February* 1895.

SOUTH INDIAN RAILWAY.

RETURN OF LATE TRAINS.

Abstract for February 1895.

Description and Number.	LATE MINUTES.					Total minutes late.	Percentage of late trains.	Remarks.
	Above 15 and not exceeding 30 mts.	Above 30 and not exceeding 60 mts.	Above 60 and not exceeding 90 mts.	Above 90 mts.	Total.			
No. 13462 Madras and Chingleput — mail 56	1	.	.	.	1	15	1.78	
" 15428 Madras and Satecori — mail 56	2	5	8	1	16	566	28.57	
" 31444 — do — do — do 56	1	8	7	.	16	445	28.57	
" 25758 Back to Villupuram & Villupuram to Madras — 56	.	1	.	.	1	17	1.78	
" 35456 Back and Pallavaram — Passenger 56	.	.	.	.	.	.	.	
" 21121 Madras and Pallavaram — do 56	.	.	.	.	.	.	.	
Carried over...	4	14	15	1	34	1073	10.11	

Down trains.	15 mts. late.	30 mts. late.	60 mts. late.	90 mts. late.	In excess of 90 mts. late.	Total in month late.
No. 62 train	1	.	.	.	.	1
" 28	.	.	.	.	.	.
" 14	.	.	1	.	.	1
" 58	.	.	.	.	.	.
" 56	.	.	.	.	.	.
" 212	.	.	.	.	.	.
" 40	1	.	4	1	.	6
" 145	.	2	4	.	.	6
" 2	.	.	1	.	.	1
" 88	.	.	.	.	.	.
" 94	.	.	.	.	.	.
" 90	1	2	.	.	.	3
" 100	.	.	.	.	.	.
" 110	.	1	.	.	.	1
" 214	.	.	.	.	.	.
" 116	.	.	.	.	.	.
" 112	.	1	.	.	.	1
" 144	.	.	.	.	.	.
" 132	1	.	.	.	.	1
" 146	1	.	.	.	.	1

ABSTRACT OF LATE TRAINS.

Down trains.	15 mts. late.	30 mts. late.	60 mts. late.	90 mts. late.	In excess of 90 mts. late.	Total in month late.
No 158 train	.	.	.	.	.	.
" 184	.	.	.	.	.	.
" 170	.	.	.	.	.	.
" 198	.	.	.	.	.	.
" 200	.	.	.	.	.	.
" 204	.	.	.	.	.	.
" 208	.	.	.	.	.	.
" 216	.	.	.	.	.	.
" 220	.	.	.	.	.	.
" 218	.	.	.	.	.	.
" 226	.	.	.	.	.	.
" 234	.	.	.	.	.	3

Up trains.	15 mts. late.	30 mts. late.	60 mts. late.	90 mts. late.	In excess of 90 mts. late.	Total in month late.
No 13 train	1	.	.	.	.	1
" 15	2	5	1	.	.	16
" 31	1	9	.	.	.	51
" 25	.	.	.	.	.	1
" 35	.	.	.	.	.	.
" 211	.	.	.	.	.	.
" 1	1	.	.	.	.	1

[illegible]

James Lord & Co. Patent on Physical Exhaust, awarded on Engineering for Foreign Railway frame of functions 24 Feb.

Delphinus Engines account for 10 rats, lost by driven off,
 Delphinus 20 rats, defunct at Vaudanougah by submersion 74 rats, and missing
 rats. So have lost time at the same place by the operation of hacking
birds not having been shot. The birds are more no the

" 123 & 144 Pondicherry sind Vellupuram - ^{hail 56} _{8 May 22}	2	1	.	.	3	81	5.35
" 132 Vellupuram to Pondicherry do 28	.	.	.	.	.	.	.
" 141 & 146 Koppattam and Tanjore - ^{hail 56} _{8 May 22}	1	1	.	.	3	67	5.35
" 153 & 156 do and do hail 56	.	.	.	.	.	.	.
" 169 & 184 Trichy and Erode do 56	.	.	.	.	.	.	.
" 179 & 170 do and do do 56	1	.	.	.	1	15	1.78
" 193 & 198 Mangayachi and Timenuliy - ^{hail 56} _{8 May 22}	.	.	.	.	.	.	.
" 197 & 200 do and do - ^{hail 56} _{8 May 22}	1	.	.	.	1	15	1.78
" 201 & 204 do and do - ^{hail 56} _{8 May 22}	.	.	.	.	.	.	.
" 205 & 208 do and do - ^{hail 56} _{8 May 22}	.	.	.	.	.	.	.
" 215 & 216 Mayasaram and Koppattam - ^{hail 56} _{8 May 22}	.	.	.	.	.	.	.
" 219 & 220 do and Kuchipet do 56	7	.	.	.	7	153	12.50
" 223 & 218 do and Tiruvallur do 56	.	.	.	.	.	.	.
" 225 & 226 do and Koppattam do 56	.	.	.	.	.	.	.
" 235 & 234 Tiruvallur and Kuchipet do 56	10	.	.	.	10	213	17.85
Total ... 1764 16 56 28 2						102	27/5 5.78

SOUTH INDIAN
Return of late trains for the

Down trains.									
Date.	No. of Trains.	Proper time of arrival.		Actual time of arrival.		Late minutes.	Cause of detention.		
1895.									
February	5	40	20	25	20	40	15	Waited on loco, and time lost by	
								Caution signals.	
	234	17	30	17	50	20	Inwards train late in and time lost		
								by Caution signals.	
	7	145	18	20	19	2	42	Detained at meeting stations, Passengers	
								and shunting.	
	234	17	30	17	48	18	Inwards train late in and time lost		
								by Caution signals.	
	8	40	20	25	21	27	62	Detained at meeting stations and	
								time lost by driver.	
	10	112	8	45	9	9	24	Waited at Arkonam for Madras	
								Railway train.	
	14	40	20	25	21	10	45	Detained at meeting stations and	
								shunting.	
	145	18	20	18	54	34	Detained at meeting stations.		
	234	17	30	17	52	22	Inwards train late in and time lost		
								by Caution signals.	

RAILWAY.
Month of February 1895.

Up trains.									
Date.	No. of Trains.	Proper time of arrival.	Actual time of arrival.	Late minutes.	Cause of detention.				
1895.									
February	1	15	10	30	11	22	52	Detained at meeting stations, time lost by caution signals & waited on loco.	
	31	18	10	18	33	23	Time lost by caution signals and waited on loco.		
	123	2	46	3	11	25	Shunting, waited on loco & detained at Kandamangalam by Customs.		
2	15	10	30	11	53	83	Detained at meeting stations, time lost by caution signals & waited on loco.		
	31	18	10	18	29	19	Time lost by caution signals and waited on loco.		
3	15	10	30	11	23	53	Detained at meeting stations, time lost by caution signals & waited on loco.		
	31	18	10	18	31	21	Time lost by caution signals and waited on loco.		
	41	13	30	13	45	15	Detained at meeting stations.		
4	15	10	30	11	15	45	Detained at meeting stations, time lost by caution signals and waited on loco.		
	31	18	10	18	45	35	Shunting, time lost by caution signals and waited on loco.		
	41	13	30	13	45	15	Loading, unloading and Shunting.		
	235	20	45	21	4	19	Shunting and time lost by caution signals.		
5	15	10	30	11	17	47	Detained at meeting stations, time lost by caution signals & waited on loco.		
	31	18	10	18	54	44	Detained at meeting station, time lost by caution signals & waited on loco.		

Return of

Down trains.

Date. 1895.	No. of Trains.	Proper time of arrival.	Actual time of arrival.	Late minutes.	Cause of detention.
February 15	146	8 5	8 20	15	Detained at meeting stations.
16	2	17 55	18 40	45	Detained at meeting stations.
	145	18 20	18 56	36	Detained at meeting stations and Road side goods.
17	40	20 25	21 5	40	Shunting and detained at meeting stations.
	145	18 20	18 38	18	Detained at meeting stations and Shunting.
	234	17 30	17 48	18	Inwards train late in and time lost by Caution signals.
18	234	17 30	17 55	25	Inwards train late in and time lost by Caution signals.
19	40	20 25	21 13	48	Detained at meeting stations, Shunting and time lost by Caution signals.
	110	0 35	0 58	23	Shunting, loading and unloading.
21	90	21 55	22 15	20	Shunting waited on loco and Passengers.

RAILWAY.

Month of February 1895.

Up trains.

Date. 1895.	No. of Trains.	Proper time of arrival.	Actual time of arrival.	Late minutes.	Cause of detention.
February 5	41	13 30	13 55	25	Detained at meeting stations, Shunting and Road side goods.
	219	14 50	15 8	18	Detained at meeting stations, time lost by Caution signals and Shunting.
6	15	10 30	11 17	47	Time lost by Caution signals, waited on loco and detained at meeting stations.
	31	18 10	18 33	23	Waited on loco and time lost by Caution signals.
7	15	10 30	11 25	55	Detained at meeting stations, time lost by Caution signals and waited on loco.
	31	18 10	18 26	16	Time lost by Caution signals and waited on loco.
	41	13 30	13 50	20	Shunting.
	89	21 45	22 1	16	Detained at meeting stations and time lost by Caution signals.
8	31	18 10	18 28	18	Time lost by Caution signals and waited on loco.
	41	13 30	13 45	15	Detained at meeting stations & loading.
9	15	10 30	11 17	47	Detained at meeting stations, time lost by Caution signals & waited on loco.
10	41	13 30	13 45	15	Shunting.
11	31	18 10	18 51	41	Time lost by Caution signals, detained at meeting stations, waited on loco and Battas train.

Return of

late trains.

Down trains.

Down trains.									
Date.	No. of Trains.	Proper time of arrival.	Actual time of arrival.	Late minutes.	Cause of detention.				
1895.									
February	21	234	17	30	18	0	30	Inwards train late in and time lost by caution signals.	
	22	90	21	55	22	10	15	Detained at meeting stations and Road side goods.	
	24	14	8	10	8	49	39	Time lost by caution signals, detained at Srirangalam owing to the derailment of four sided wagon at facing points and at meeting stations.	
	25	90	21	55	22	16	21	Detained at meeting stations and waited on loco.	
	145	18	20	18	36	16		Detained at meeting stations and Shunting.	
	234	17	30	17	54	24		Inwards train late in and time lost by caution signals.	
	28	40	20	25	21	15	50	Detained at meeting stations & Shunting.	

Up trains.

Up trains.									
Date.	No. of Trains.	Proper time of arrival.	Actual time of arrival.	Late minutes.	Cause of detention.				
1895.									
February	11	89	21 45 22	0 15	Stopped at G $\frac{166}{11}$ mile owing to the train ran over a cow and time lost by caution signals.				
	12	31	18 10 18	48 38	Detained at meeting stations, time lost by caution signals & waited on loco.				
	13	15	10 30 11	10 40	Detained at meeting stations, time lost by caution signals and waited on loco.				
	41	13	30 13	49 19	Detained at meeting stations & loading.				
	14	15	10 30 10	47 17	Time lost by caution signals and waited on loco.				
	31	18	10 18	25 15	Time lost by caution signals and waited on loco.				
	41	13	30 14	5 35	Shunting and Road side goods.				
	219	14	50 15	10 20	Detained at meeting stations, Shunting and time lost by caution signals.				
	15	15	10 30 10	50 20	Detained at meeting stations, time lost by caution signals and waited on loco.				
	31	18	10 18	48 38	Engine defective, time lost by driver & caution signals & waited on loco.				
	41	13	30 13	50 20	Detained at meeting stations, Shunting and waited on loco.				
	141	4	10 4	46 36	Shunting and time lost by driver.				

Return of

Down trains.

Date.	No. of Trains.	Proper time of arrival.	Actual time of arrival.	Late minutes.	Cause of detention.
1895.					
February 28	145	18 20	18 55	35	Detained at meeting stations.
	234	17 30	17 48	18	Inwards train late in and time lost by caution signals.

late trains.

Up trains.

Date.	No. of Trains.	Proper time of arrival.	Actual time of arrival.	Late minutes.	Cause of detention.
1895.					
February 16	1	17 5	17 20	15	Time lost by drivers and detained at meeting stations.
	41	13 30	13 50	20	Shunting and detained at meeting stations.
17	41	13 30	13 53	23	Shunting and Road side fods.
	179	17 40	17 55	15	Detained at meeting stations.
	219	14 50	15 9	19	Detained at meeting stations, Shunting and time lost by caution signals.
18	25	21 20	21 37	17	Delayed by Harbour works.
	41	13 30	13 50	20	Shunting and heavy luggages.
	113	18 50	19 10	20	Detained at meeting stations.
	123	2 46	3 18	32	Shunting, waited on loco and time lost by drivers.
	219	14 50	15 19	29	Detained at meeting stations, Shunting and time lost by caution signals.
19	13	18 15	18 30	15	Detained at meeting stations.
	15	10 30	10 50	20	Detained at meeting stations, waited on loco and time lost by caution signals.
	41	13 30	13 50	20	Shunting.
	123	2 46	3 10	24	Shunting, waited on loco and detained at Sandamangalam by fustons.
20	15	10 30	10 45	15	Waited on loco and time lost by Caution signals.
	41	13 30	13 46	16	Detained at meeting stations & Ro fods.

Return of

Down trains.

Date.	No. of Trains.	Proper time of arrival.	Actual time of arrival.	Late minutes.	Cause of detention.
189					

late trains.

Up trains.

Date.	No. of Trains.	Proper time of arrival.	Actual time of arrival.	Late minutes.	Cause of detention.
1895.					
February	21	15 10	30 10	50 20	Shunting, time lost by caution signals, and waited on loco. —
	41	13 30	14 0	30	Shunting and loading. —
	219	14 50	15 17	27	Detained at meeting stations, shunting and time lost by caution signals. —
	235	20 45	21 4	19	Inwards train late in, shunting and time lost by caution signals. —
	22	15 10	30 10	50 20	Waited on loco, and time lost by caution signals. —
	31	18 10	18 30	20	Waited on loco and time lost by caution signals. —
	89	21 45	22 5	20	Detained at meeting stations. —
	213	23 50	0 7	17	Shunting. —
	23	31 18	10 18	27 17	Detained at meeting stations and time lost by caution signals. —
	41	13 30	13 45	15	Detained at meeting stations. —
	107	11 50	12 11	21	Detained at meeting stations. —
	25	15 10	30 10	45 15	Waited on loco and time lost by caution signals. —
	41	13 30	14 3	33	Shunting and detained at meeting stations. —
	219	14 50	15 12	22	Detained at meeting stations, shunting and time lost by caution signals. —
	27	31 18	10 18	48 38	Waited on loco, detained at meeting stations and time lost by caution signals. —