Proceedings of the Madras Government, Public Works Department, *6th November* 1875.

No 165. Read the following letter from Lieutenant-Colonel J. H. M. SHAW-STEWART, R.E., Consulting Engineer for Railways, to Major-General G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Madras, 2nd November 1875, No. 593 —

WITH reference to the Order of Government, under date 25th October 1875, No 157, I have the honor to submit the Review of the Revenue Account of the South Indian Railway for the second-half of 1874.

2. This has been prepared in accordance with the revised forms, and endeavours have been made to render the information as complete as possible Owing to the amalgamation of the figures for the late Great Southern and Carnatic Railways, the results differ somewhat from previous reviews, in which the former line was alone dealt with

3 The following points call for remarks —

Table A I—The gauge of the line is entered as 3 feet $3\frac{3}{8}$, though the sections worked during the half-year under review were from Negapatam to Erode Junction, 167 miles of the 5 feet 6 inches gauge, and from Arconum to Conjeveram, 18 miles of the 3 feet 6 inches gauge

Table E I—5 —The sum of the train mileages hauled by the different classes of engines does not correspond with the total, as the latter, in accordance with the latest instructions of the Government of India, includes mileage run for the locomotive and other departments

The Agent has been requested to include the miscellaneous mileage run by the different classes in future returns

Table G I—The information here is not so complete as could be wished, but endeavours will be made to perfect it in succeeding reviews. The average mileage of carriage stock does not fairly represent the work done on Negapatam-Erode section, as the mileage run by the 3 feet 6 inches stock is very small, while the numbers included in column *c* are comparatively large

4 As several errors have occurred in printing former reviews, I beg to suggest that the proof be sent to this office for examination before copies are struck off. In the mass of figures errors are occasionally made, which escape notice until the reviews are received in this office

---

Nos. 166 & 167. ORDER THEREON, 6th November 1875, No. 3,172.

RAILWAY, No. 29-A.

ORDERED that these papers be forwarded to the Government of India

2. The Superintendent of the Government Press will attend to the request made in paragraph 4 of the Consulting Engineer's letter.

(True Extract.)

(Signed) G. W. WALKER, Major-General, R.E.,

Secretary to Government.

No. 168. (DOCKET No 3,173, dated 6th November 1875.)

COPY of the above forwarded to the Government of India

(True Extract.)

(Signed) G. W. WALKER, Major-General, R.E.,

Secretary to Government

Exd E C Shunker

Spare Copies

REVIEW

OF THE

REVENUE ACCOUNT

OF THE

SOUTH INDIAN RAILWAY,

FOR THE

HALF-YEAR ENDED 31ST DEC. 1874.

MADRAS
PRINTED BY E. KEYS, AT THE GOVERNMENT GAZETTE PRESS
1875.

REVIEW OF THE REVENUE ACCOUNT OF THE SOUTH INDIAN RAILWAY FOR THE HALF-YEAR ENDED 31ST DECEMBER 1874

Table A —General Statement of working of half-year ending 31st December 1874

I.—Description of Railway worked

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Gauge of Railway	Length sanctioned	Open mileage at the end of the half year				Mean Mileage worked	Number of Stations opened at the end of the half year	Average distance between stations	Total length of the following gradients —			Steepest gradient worked by			
												Fixed power		Locomotives	
		Single	Double	Total	Sidings				$\frac{1}{100}$ and less	$\frac{1}{101}$ to $\frac{1}{200}$	$\frac{1}{201}$ to $\frac{1}{300}$	Length	Inclination	Length	Inclination.
FT IN	MILES	MS	MS	MS	MS	MILES		MILES	M CHS.	M CHS	M CHS			M CHS	
3 3⅜	*617	185		185	15⅜	185	25	7 7	3 56	10 9	12 19		...	3 56	$\frac{1}{108}$

NOTE —The South Indian Railway is of the metre gauge, but the sections worked during the half year were from Negapatam to Erode Junction 167 miles of the 5 feet 6 inches gauge, and from Arconum to Conjeveram 18 miles of the 3 feet 6 inches gauge

* Open line	..	185 Miles
Southern Extension ..	..	215 „
Northern do		217 „
	Total	617 „

II —Financial Results

17	18	19	20	21	22	23	24	25	26
Total Capital authorized to be raised	Total Capital paid up to end of half year	Total Capital withdrawn to end of half-year	Total Capital expended on open mileage, inclusive of Rolling Stock	Cost per Mile open	Earnings	Expenses	Profits	Per centage of Profits on paid up Capital	Per centage of Profits on Capital expended on open mileage, inclusive of Rolling Stock
£	£	£	£	£	RS	RS	RS		
3,702,100	3,659,505	2,487,537	1,468,326	7,937	5,05,197	2,97,371	2,07,826	0 544	1 356

III —Summary of General Results

27	28	29	30	31	32	33	34	35	36	37
—	Coaching			Goods.			Total including Sundries but excluding Steam Boat			Total including Sundries and Steam Boat.
	Total	Per Passenger Train Mile	Per mean Mile open per Week	Total.	Per goods Train Mile	Per mean Mile open per Week	Total	Per total Train Mile	Per mean Mile open per Week	
	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Earnings	2,83,751	3 583	58 992	2,08,065	2 488	43 257	5,05,197	3 102	105 030	5,05,197
Expenses	1,33,595	1 687	27 775	1,52,273	1 820	31 658	2,97,371	1 826	61 823	2,97,371
Profits	1,50,156	1 896	31 217	55,792	0 668	11 599	2,07,826	1 276	43 207	2,07,826
Percentage of expenses to earnings	47 082		.	73 186		.	58 862	.	...	58 862

IV —Traffic Earnings

38	39	40	41	42	43
Description	Passengers or Tons of Goods carried: Number	Passengers or Tons of Goods carried: Per cent of Total Number and Total Tonnage	Earnings: Amount	Earnings: Per cent of Total Earnings from Coaching and from Goods	Per centage of Total Earnings contributed by each description of Traffic
Coaching (Revenue Account, Abstract II)			RS		
Passengers 1st class	1,285	0 17	4,040	1 42	
Passengers 2nd „	7,550	0 97	7,318	2 58	
Passengers 3rd „	769,317	98 86	2,60,897	91 95	56 17
Passengers 4th „					
Miscellaneous			11,496	4 05	
Total	778,152	100 00	2 83,751	100 00	
Less outstandings irrecoverable					
Net Total			2,83,751		
Goods (Revenue Account, Abstract I)	TONS				
General Merchandize Special	21,333	33 40	51,537	24 77	
General Merchandize 1st-class	35,456	55 51	1,31,303	63 11	
General Merchandize 2nd „	48	0 08	79	0 04	
General Merchandize 3rd „	15	0 02	89	0 03	
General Merchandize 4th „	334	0 52	3,725	1 80	
General Merchandize 5th „	89	0 14	1,075	0 52	41 18
Military Stores	15	0 02	163	0 08	
Railway Materials	6,584	10 31	19,239	9 22	
Minerals					
Miscellaneous			905	0 44	
Total	63,874	100 00	2,08,065	100 00	
Less outstandings irrecoverable					
Net Total			2,08,065		
Sundries including Electric Telegraph			13,381		2 65
Total Railway Earnings			5,05,197		100 00
Steam Boat Traffic					
Total, including Steam Boat			5,05,197		

V —Working Expenses

44	45	46	47	48	49	50	51	52	53
	Maintenance	Locomotive	Carriage and Wagon	Traffic	General	Special and Miscellaneous	Total Railway Expenditure	Steam Boat Expenses	Total including Steam Boat
	RS	RS	RS	RS	RS	RS	RS	RS	RS
Amount	61 034	1,36,733	26,405	45,093	27,263	843	2,97,371		2,97,371
Per centage of expenses of each department.	20 525	45 981	8 880	15 164	9·167	0 283	100 000		

VI —Haulage and Working

54	55	56	57	58	59	60	61	62	63	64	65	66
Train Mileage			Vehicle Mileage (exclusive of Brake Vans)					Gross Ton Mileage (Freight and dead Weight)				
			Run for Public Traffic					For Public Traffic				
Traffic	Miscellaneous	Total	Coaching	Goods	Total	Miscellaneous	Total including Miscellaneous	Coaching	Goods.	Total	Miscellaneous (for Revenue purposes)	Total including Miscellaneous
162,852	4,267	167,119	1,304,486	1,400,219	2,704,705	34,535	2,739,240	12,677,005	15,081,227	27,758,232	506,744	28,264,976

VII —Average Composition and Weight of Trains

67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
	Composition													Weight		
	Coaching Vehicles									Goods Vehicles.						
Nature of Trains	1st Class	2nd Class	3rd Class	4th Class	Carriage, Trucks	Horse Boxes	Luggage Vans	Post Office Vehicles	Brake Vans	Goods Vehicles	Cattle Vans	Mineral Trucks.	Brake Vans.	Freight or live load	Dead load exclusive of Engines and Tenders and Brakes	Total
	No	No	No	No	No	No	No	No	No	No	No	No.	No.	TONS	TONS	TONS
Passenger																
Goods																
Mixed	0 339	0 809	6 030		0 029	0 136	0 666		0 166	8 587	0 011		0 040	34 828	95 468	130 296

VIII —Average loads of Vehicles

84	85	86	87	88	89	90
			Average Weight			
Details	Average carrying capacity	Average contents of each Vehicle	Of each Vehicle	Of Freight.	Total	Proportion per-cent of Freight to Total Weight.
	No	No	TONS	TONS	TONS	
COACHING—						
1st Class	27 37	1 253	7 279	0 110	7 389	1 511
2nd „	38 80	2 298	6 939	0 201	7 140	2 896
3rd „	55 06	26 901	5 655	1 681	7 336	29 726
4th „						
Carriage trucks	1	(a) 1 378	6 060	0 465	5 525	9 139
Horse boxes	8	0 963	7 090	0 421	7 511	5 938
Luggage vans	6 Tons	0 183 Tons	6 110	0 183	6 293	2 995
Post Office vehicles						
GOODS—						
Goods vehicles	6 70 Tons	2 829 „	5 594	2 829	8 423	50 572
Cattle vans	6 „	0 644 „	6 112	0 644	6 756	10 537
Mineral trucks						

(a) Carriages were frequently conveyed in goods trucks, but the mileage was not returned separately

TABLE B

Statement showing in comparison the Coaching Traffic of the half-years ending 31st December 1873 and 31st December 1874

Details	Number		Average fare per unit per mile		Receipts		Average Mileage		Total unit mileage	
	2nd half, 1873	2nd half, 1874	2nd half, 1873	2nd half, 1874	2nd half, 1873	2nd half, 1874	2nd half, 1873	2nd half, 1874	2nd half, 1873	2nd half, 1874
First-class Passengers—			PIES	PIES	RS	RS				
Single journey	999	1,138	10 52	12 060	3,173	3,585	57 99	50 156	57,931	57,078
Excess fares			..		139	142			2,770	2,272
Return journey	168	146	6 05	6 000	860	308	67 99	67 534	11,422	9,860
Troops and Police		1		12 000		5		86 000		86
Total	1,167	1,285	9 78	11 195	3,672	4,040	61 80	53 926	72,123	69,296
Season ticket passengers	240		5 63		180	.	2,018		6,144	.
Second-class—										
Single journey	5,829	6,227	4 83	5 173	5,435	5,943	37 05	35 420	215,969	2,20,564
Excess fares					241	264			10,505	10,906
Return journey	912	1,068	1 94	2 608	884	834	95 82	57 493	87,384	61,402
Troops and Police	66	135	4 32	4 432	125	232	84 14	74 474	5,553	10,054
Total	6,807	7,430	4 02	4 623	6,685	7,273	46 92	40 770	819,411	802,926
Season ticket passengers	480	120	2 34	0 975	100	25	4,096	4,920	8,193	4,920
Third class—										
Single journey	633,949	702,190	2 13	1 960	2,00,425	2,18,643	28 48	30 501	18,056,157	21,119,757
Excess fares					343	461			35,989	44,256
Return journey	83,640	64,864	1 60	1 610	50,634	40,536	72 85	74 514	6,092,978	4,835,196
Troops and Police	980	2,263	1 54	2 026	684	1,237	86 95	51 784	85,206	117,187
Total	718,569	769,317	1 99	1 897	2,52,086	2,60,897	33 78	34 337	24,270,330	26,416,396
Season ticket passengers	..	..		..		..		.	.	
Fourth class—										
Single journey		..						..	...	
Excess fares						.	..			
Return journey				.	..				.	
Troops and Police				...		. .		...	.	
Total										
Season ticket passengers			.					..		
Total—										
Single journey	640,777	709,555			2,09,033	2,28,174	29 61	30 579	18,830,057	21,697,399
Excess fares					723	887			49,264	57,434
Return journey	84,720	66,078		.	51,878	41,698	73 09	74 258	6,191,784	4,906,458
Troops and Police	1,046	2,399			809	1,474	86 77	53 075	90,759	127,327
Total	726,543	778,032			2,62,443	2,72,230	33 94	34 431	24,661,864	26,788,618
Season ticket passengers	720	120			280	25	19 901	41 00	14,336	4,920
	Ton miles	Ton miles								
Passengers' Luggage	5,437	5,399	57 42	65 025	1,672	1,829			..	
Military Luggage	133	312	42 91	28 385	29	46				
	No	No								
Public Carriages	62	86	23 12	22 387	573	769			4,752	6,599
Public Horses	274	233	16 72	13 946	1,583	1,546			18,165	21,288
Public Dogs, &c	352	432	2 33	2 569	216	337			21,714	25,210
Military Carriages						..				86
Military Horses	23	1	8 83	18 000	57	8			1,238	844
Military Dogs, &c		4		0 384		1				
	Ton miles	Ton miles								
Parcels	12,491	13,902	87 70	85 763	5,772	6 210				.
	Train miles	Train miles	RS	RS						
Special trains	701	184	2 87	3 88	1,663	714			.	
Miscellaneous			..	..		..			..	
Post Office	.		.	.	..	...				.
Haulage and hire of Post Office Vehicles	.	..	..							..
Special trains									..	
Parcels					36	36				
Total					2,74,372	2,83,751				
Less outstandings irrecoverable	.			..					...	..
Net Total					2,74,372	2,83,751				

TABLE C

Statement showing in comparison the Goods Traffic of the half-years ending 31st December 1873 and 31st December 1874

Details	Ton Miles				Average rate per Ton per Mile		Receipts		Average Mileage.	
	2nd half, 1873		2nd half, 1874		2nd half 1873	2nd half 1874	2nd half 1873	2nd-half 1874	2nd-half 1873	2nd-half 1874
	Up	Down	Up	Down						
					PIES.	PIES	RS	RS		
Merchandize, General—										
Special	482,834	545,365	286,695	952,804	6 50	7 983	43,794	51,537	95 89	58 102
1st-class	818,165	1,185,213	949,551	1,141,547	11 95	12 056	1,26,601	1,31,303	59 49	58 977
2nd "	31,999	80,474	146	725	14 04	17 409	8,208	79	78 14	18 146
3rd "	17,238	41,825	85	258	18 03	25 667	5,545	39	70 40	19 600
4th "	1,832	10,846	9,535	20,070	24 00	24 155	1,522	3,725	74 71	88 638
5th "	7,314	13,602	2,990	1,576	40 12	45 214	4,371	1,075	73 89	51 303
Total	1,389,383	1,876,825	1,248,952	2,116,980	11 17	10 710	1,90,041	1,87,758	64 80	52 696
Military Stores—	229	.	1,263		17 87	24 713	21	163	76 33	84 200
Railway Materials for Construction—	820,585	1,017	523,716	65,394	3 97	6 270	6,651	19,239	84 63	89 475
Minerals—										
For the Public	.		.		.		.	...	..	...
" the Company		.			.	..			.	...
(*Construction only*)										
Total Goods	1,710,196	1,877,842	1,773,931	2,182,874	10 53	10 062	1,96,713	2,07,160	66 19	61 939
Stores carried free for Revenue—	108291 16	78010 14	99476 71	22994 89	. .		..	.	11 950	48 147
	No		No		Average rate per Ton per Mile				Estimated total Ton Mileage	
Live Stock—										
Horses			.					..		. .
Cattle	24		53		30 343	30 383	74	144	468 25	910 000
Sheep, &c	1,803		1,218		32 750	47 519	64	63	375 200	254 559
Military Live Stock—										
Horses	.				.	.	.	..	.	..
Cattle	.							.	..	. .
Sheep, &c.						.	..		..	..
Rents and demurrage, Wharfage, &c —						...	564	698		..
Interest on outstanding bills—	.		..		..	..	.	...	..	..
Miscellaneous—			..			..	...	..	..	...
Total					..	...	1,97,415	2,08,065		
Less outstandings irrecoverable	.	.			.		..	.		
Net Total						..	1,97,415	2,08,065		

TABLE C—(1)

Comparative Statement showing the Weight and Earnings of the Principal Commodities carried during the half-years ending 31st December 1873 and 31st December 1874.

Description	Quantity 2nd-half, 1873	Quantity 2nd half, 1874	Receipts 2nd half, 1873	Receipts 2nd-half, 1874	Increase in Quantity	Decrease in Quantity	Increase in Receipts	Decrease in Receipts
	TONS	TONS	RS	RS	TONS	TONS	RS	RS
Areca Nuts	1,016	838	4,731	3,314	...	178	.	1,417
Cloth ...	1,139	1,091	6,452	5,287	...	48	...	1,165
Curry Stuff	1,530	1,923	8,026	8,797	393	...	771	...
Fruit and Vegetables ...	1,129	1,384	5,920	6,610	255	...	690	...
Grain of all sorts... ...	19,046	19,722	49,385	50,464	676	.	1,079	.
Granite Stones ...	2,486	9,193	4,049	7,195	6,707	...	3,146	.
Hides	417	434	2,327	2,102	17	...	.	225
Oil and Ghee ...	655	694	3,428	3,326	39	.	...	102
Oil-cakes ...	612	1,258	2,670	5,914	646	...	3,274	...
Salt ...	7,907	6,846	41,499	36,484	.	1,061	..	5,015
Seeds of all kinds ...	2,285	3,954	11,094	18,161	1,669	...	7,067	..
Sundries ...	11,119	9,459	42,478	37,889	..	1,660	..	4,589
Tobacco ...	406	495	2,205	2,348	89	.	143	.
Total	49,747	57,291	1,84,261	1,87,921	7,544	..	3,657	..

TABLE D

Statement of Mileage maintained by Revenue.

	Details		2nd-half of 1873 Departmentally	2nd-half of 1873 By Contract.	2nd-half of 1873 Total	2nd half of 1874 Departmentally	2nd half of 1874 By Contract.	2nd half of 1874 Total	Total Increase	Total Decrease
			MILES	MILES	MILES	MILES	MILES.	MILES	MILES	MILES.
1	Mean miles of line maintained by Revenue	Single	185	..	185	185	.	185		.
2		Double			..	..	..	.	..	.
3.		Total	185		185	185	..	185		..
4	Mean miles of sidings maintained		15⅝		15⅝	15⅝	..	15⅝		.
		Total	200⅝		200⅝	200⅝	..	200⅝		...
5	Mean miles of single track including sidings		200⅝	.	200⅝	200⅝		200⅝		

TABLE D—I

Statement of Train Mileage.

Details		Train Miles run Traffic Department	Train Miles run Locomotive Department	Train Miles run Maintenance Department	Train Miles run Total	Hours of Assisting Engines H	Hours of Assisting Engines M	Hours of Shunting, Piloting, &c H	Hours of Shunting, Piloting, &c M	Hours of Miscellaneous Services H
2nd Half, 1873	Passenger Goods Mixed	1,40,250	629	5,201	1,46,080	6	35	6,215	53	1,487
	Total	1,40,250	629	5,201	1,46,080	6	35	6,215	53	1,437
2nd Half, 1874	Passenger Goods Mixed	1,62,852	1,762	2,505	1,67,119	12	50	7,485	8	1,667
	Total	*1,62,852	1,762	2,505	1,67,119	12	50	7,485	8	1,667
Increase in 1874	Passenger Goods Mixed	22,602	1,133			6	15	1,269	15	229
	Total	22,602	1,133		21,039	6	15	1,269	15	229
Decrease in 1874	Passenger Goods Mixed	..	..	2,696	..	..	..	.	.	...
	Total		..	2,696	.	..	..	...	.	..

* Passenger train mileage	*Nil*
Proportion of mixed train mileage due to passengers	79,184
Total	79,184
Goods train mileage	*Nil*
Proportion of mixed train mileage due to goods	83,663
Total	83,663

TABLE D

Maintenance of Way, Works, and Stations

—	2nd half of 1873	2nd half of 1874		
	Total	Total	Increase	Decrease
Mileage of line maintained	185	185	..	.
Mileage of single track, including sidings ..	200⅜	200⅜		
Train mileage	140,250	162,852	22,602	
Ton mileage ..	25,440,725	28,264,976	2,824,251	

Details	2nd-half of 1873	2nd-half of 1874.			Per mile of Line maintained	Per mile of track including sidings	Per Train Mile	Per 1,000 Ton Miles.
	Total	Total	Increase	Decrease				
General Superintendence—	RS	RS	RS	RS	RS	RS	AS	RS
Engineers' Salaries and Allowances ..	5,753	5,464		289	29 535	27 269	0 537	0 193
Subordinate Superintendents' salaries and allowances, including overtime	3,450	3,990	540		21 568	19 912	0 392	0 141
Office Expenses	2,331	2,275		56	12 297	11 354	0 224	0 081
Maintenance and Renewal of Permanent-way—								
Wages	21,318	19,888		1,430	107 503	99 254	1 954	0 703
Materials	21,427	22,024	597		119 049	109 913	2 164	0 779
Repairs of Bridges, &c —Wages and Materials—								
Bridges and Tunnels ..	1,460	1,301	..	159	7 032	6 493	0 128	0 016
Miscellaneous ...	531	1,173	642		6 341	5 854	0 115	0 042
Repairs of Stations and Buildings—Wages and Materials—								
Repairs of all except staff quarters	2,516	4,403	1,887	.	23 800	21 974	0 433	0 158
Do of staff quarters	196	319	123	...	1 724	1 592	0 031	0 011
Maintenance by Contract—								
Amount paid to Contractors ..								
Materials supplied by the Company	.	.	...	.		..	..	.
Unclassified Expenditure—								
Plantations ..	..	.	..	...	.	..		..
Tools and Plant ..	39	338	299		1·827	1 687	0 032	0 012
Loss on Stores, &c. ..	13	5	..	8	0 027	0 025	0 000	0 000
Total	59,034	61,180	2,146	.	330 703	305 327	6 010	2 164
Less	..	146		146	0·789	0 728	0 014	0 005
Net Total ..	59,034	61,034	2,000	...	329 914	304 599	5 996	2 159

TABLE E—I

Maintenance of Way.

Rails

	Details		Double headed 68 lbs. to the yard	Flat footed 35¼ lbs to the yard	Total
1	Miles of rail in way, including sidings		359 84	40 92	400 76
2	Average age of rails in way at the middle of the half-year		10 years	9 75 years.	10 years
3	Rails inverted ..	Number	1,379	25	1,404
		Miles	2,758	0 04	2 798
4	Proportion inverted per mile of (1) rail		0074	0 00098	0 0068
5	Rails renewed .	Number	118	12	130
		Miles	0 236	0 02	0 256
6	Proportion renewed per mile of (1) rail		00064	00049	·00062
7	Average number of tons hauled over each kind of rail in the half-year		166,028	28,713	152,006
8	Thousands of tons hauled on an average over each kind of rail during the average age of rails in way (2) . ..		2,974	560	2,727

TABLE E—II

Maintenance of Way.

Sleepers.

	Details	Negapatam-Erode Section		Arconum-Conjeveram Section		
		Creosoted pine, 10′ × 10″ × 5″	Pairs of Iron pot-sleepers *	Teakwood.	Longitudinal.	Iron
		No	No	No	No	No.
1	Number of sleepers in way including sidings	128,506	187,854	43,021	127	56
2	Average age of sleepers in way at the middle of the half-year	13 years	7¼ years.	9¾ years	9¾ years	4¼ years.
3	Number renewed	3,466	56	358	...	...
4	Do per cent of (1)	2 69	029	832	..	...

* Two round cast iron pots weighing 80 lbs each united by wrought-iron tie-bar weighing 28 lbs.

TABLE F

Locomotive Department Expenses

—	2ND HALF, 1873	2ND-HALF, 1874		
	Total	Total	Increase	Decrease
Train mileage	140,250	162,852	22,602	..
Ton mileage	25,410,725	28,264,976	2,824,251	..

Details	2ND-HALF, 1873	2ND HALF 1874			Per train mile	Per 1,000 Ton Miles
	Total	Total	Increase	Decrease		
	RS	RS	RS	RS.	AS	RS
General Superintendence —						
Salaries of Superintendence and Assistants, including allowances	4,313	5,904	1,561	..	0 580	0 209
Do of Subordinate do including allowances	8,649	8,665	16		0 852	0 306
Office Expenses	3,454	3,622	168	..	0 356	0 128
Running Expenses —						
Wages of Drivers and Firemen, including overtime	15,918	16,647	729	.	1 635	0 589
Fuelling, cleaning, and looking after Engines	1,505	1,348		157	0 132	0 048
Contingent Expenses	1	4	3	..	0 000	0 000
Fuel —						
Coal	42 643	65,080	22,437		6 394	2 303
Coke	3,577	28		3,549	0 003	0 001
Patent Fuel	334		..	334		
Wood	16,555	7,950		8,605	0 781	0 281
Water (including Wages and Stores)	1,042	1,187	145		0 117	0 042
Oil, Tallow, and other Stores	2,413	2,499	86	..	0 215	0 088
Maintenance and Renewals						
Wages including overtime	5,388	6,164	776	.	0 606	0 218
Materials	17,622	17,635	13	..	1 738	0 624
Payments to other Lines —						
Unclassified Expenditure —						
Total	1,23,444	1,36,733	13,239		13 434	4 837
Less						
Net Total	1,23,444	1,36,733	13,289		13 434	4 837

—	Fuel consumed							
	Coal	Coke	Patent Fuel	Wood	Average Consumption per train mile		Average Consumption per 1,000 ton miles	
					Coal, Coke, and Patent Fuel	Wood	Coal, Coke, and Patent Fuel.	Wood.
	Tons	Tons	Tons	Tons.	lbs	lbs	lbs.	lbs
Quantity consumed during the 2nd half of 1873	1,420	84	11	2,474	25 510	41 658	136 155	222 847
Do do of 1874	2,342	1	...	1,434	32 227	19 725	185 683	113 645
Increase in 1874	922	..			6 717		49 524	
Decrease in 1874	.	83	11	1,040	..	21 933		108 702

TABLE F—I

Locomotive Power

—		Passenger	Goods	Goods	Tank		Total.
					Negapatam to Erode	Arconum to Conjeveram	
Locomotive ..	1 Wheels coupled ..	4	6	4	4	4	
	2 Weight on driving axle .	9 tons	10½ tons	9½ tons	8 tons	3 15 tons	
	3 Total weight in steam, exclusive of tender	23½ „	29½ „	23 „	15 „	14 15 „	
1 Number of Locomotives erected and made over to Locomotive Department		9	6	4	2	4	25
2 Average number of Locomotives constantly under repairs and renewals		1 44	0 91	0 96	0 06	1 00	4 37
3 Number of Locomotives laid by as spare or hired out to other lines		.					..
4 Average number of Locomotives at work, [1-(2 × 3)]		7 56	5 09	3 04	1 94	3 00	20 63
5 Train miles hauled by each class of Locomotives at work (4)		81,497	47,564	26,902	*Nil*	6,889	167,119
6 Average train miles hauled by each Locomotive at work (4)—							
Per half-year		10,780	9,344	8,849	...	2,296	8,101
Per day		58	51	48	...	12	44
7 Weight of coal, &c, used per train mile	To be separated, if possible, among the classes of Locomotives	30 21 lbs	44 28 lbs	39 74 lbs	..	...	.
8 Weight of wood used per train mile		..	...	...	..	57 93	.
9 Average gross weight of the trains hauled by each class of Locomotives		83 tons	204 tons	124 tons	...	64 tons	130 296

—	Number of Miles per hour.				
	Passenger. Trains	Goods Trains	Through mixed Trains.	Local mixed Trains.	Arconum Conjeveram Section mixed Trains
			MILES	MILES	MILES
10 Average speed between Stations ..	...	...	23	21	11·10
11 Average through speed ..	.	...	21	14	12 5

TABLE G

Carriage and Wagon Expenses.

—	2nd-half of 1873	2nd half of 1874.		
	Total	Total	Increase	Decrease
Train mileage	140,250	162,852	22,602	...
Vehicle Mileage — Coaching	1,133,704	1,304,486	170,782	
Vehicle Mileage — Goods	1,201,444	1,400,219	198,775	
Total .	2,335,148	2,704,705	369,557	..

Details	2nd of half 1873	2nd half of 1874			Cost per train mile	Cost per 1,000 Vehicle miles
	Total	Total	Increase	Decrease		
General Superintendence—	Rs	Rs	Rs	Rs	As	Rs.
Salaries of Superintendents including allowances	750	1,407	657	..	0 138	0 520
Do of Subordinate do , including do	1,443	1,956	513	..	0 192	0 723
Office expenses	572	806	234	.	0 079	0 298
Repairs and Renewals of Vehicles and Machinery—						
Coaching Vehicles — Wages, including overtime	631	1,452	821	...	0 143	1 113 (a)
Coaching Vehicles — Materials	3,060	4,523	1,463	...	0 444	3 467 (a)
Goods Vehicles — Wages, including overtime	3,492	4,828	1,336	...	0 474	3 448 (b)
Goods Vehicles — Materials	9,301	8,631	.	670	0 849	6·164 (b)
Cleaning and Oiling—						
Labor, including wages of Oilers, &c. ...	1,143	1,317	174	..	0 129	0 487
Stores	1,325	1,516	191	...	0 149	0 561
Unclassified Expenditure—						
Total .	21,717	26,436	4,719	...	2 597	9 774
Less ...	...	31	...	31	0 003	0 011
Net Total .	21,717	26,405	4,688	...	2 594	9 763

(a) Per 1,000 coaching vehicle miles (b) Per 1,000 goods vehicle miles

TABLE G—I.

Repairs and Working of Vehicles

Description of Vehicles	Average weight in tons	Average carrying capacity	Total number constructed to end of half year	Repaired and Renewed			Average number constantly under repairs and renewals	Proportion per cent constantly under repairs and renewals	Number laid by as spare, or hired out, or lent to other lines	Average number in working order	Total Vehicle Mileage	Average Mileage run per Vehicle	
				Number repaired	Number renewed	Total						During half year	Per day
		No					(c)						
Coaching Stock—													
Saloon Carriages			*			..		.			844	..	
First-class do	6 70		3			..			.	3 000	172	57	
Composite do	7 29	30	11	17	.	17	0 807	7 326		10 193	122,775	12,045	65
Second class do	6 56	48	8	2		2	0 104	1 800	..	7 896	63,815	8,019	44
Third do do	5 53	50	54	50		50	1 873	3 468		52 127	776,571	14,898	81
Horse boxes	7 09	3	3	4	.	4	0 082	2 733		2·918	22,190	7,605	41
Carriage trucks	5 06	1	1							1 000	4,789	4,780	26
Passenger brake vans	6 11	Tons 6	11	30	.	30	0 439	3 991		10 561	135,530	12,833	70
Total		.	91	103		103	3 305	3 632		87 695	1,126,186	...	.
		Tons											
Goods Stock—													
Ballast Wagons	4 92	6	50	27	..	27	0 253	0 506	...	49 747	3,210	64	3
Covered Goods Wagons (a)	6 12	6	175	136		136	1 548	0 884	...	173 453	823,792	4,749	26
Cattle Trucks	6 07	..		..		...		..	..	...	254	.	
Cattle Trucks of Madras Railway (b)	6 07	.	..	.	.			..	..	..	341	...	
Coke Wagon	5 74	6			.	..	..	..	..	...	16,904	.	...
High sided Wagons ..	5 32	8	50	33	..	33	0 296	0 592	...	49 704	502,644	10,113	55
Open Goods do	4 92	6	90	38		38	0 269	0·299	..	89 731	222,410	2,479	13
Timber Trucks	4 74	6	4			.				4 000	49,731	12,433	63
Travelling Crane .		10			...		.	..	...	..	188	...	..
Goods Brake Vans .	5 25	6	4	8	..	8	0 088	2 200		3 912	33,031	8,444	46
Total ..		.	373	242	...	242	2 454	6 658	...	379 546	1,646,508	..	.

(a) 208,908 miles run for third-class passenger traffic, carrying capacity forty.

(b) Used for merchandize traffic

(c) No record kept Arconum Conjoveram section

TABLE G.—II

DISTRIBUTION of Vehicle Mileage according to the Traffic carried

Description of Vehicles	Mileage run	Remarks
COACHING—		
First-class	55,295	
Second do	131,811	
Third do	981,977	
Fourth do.	*Nil*	
Carriage Trucks	4,789	
Horse Boxes	22,190	
Luggage Vans	108,424	
Post Office Vehicles		
Total paying Vehicle Mileage	1,304,486	
Passenger Brake vans	27,106	
Total including Brakes	1,331,592	
GOODS—		
Goods Vehicles	1,398,410	
Cattle vans	1,809	
Mineral trucks		
Total paying Vehicle Mileage	1,400,219	
Goods brake vans	6,348	
Total including brakes	1,406,567	
MISCELLANEOUS—		Ton mileage of stores and materials carried
(For stores and materials carried free on Revenue Account)		
For Traffic Department—Goods vehicles	1,528	866
For Locomotive Department—Do do	22,717	104,931
For Engineering Department—Passenger do	2,016	16,674
Goods Vehicles	6,044	...
Brake Vans	2,230	
Total including Brakes	34,535	122,471
Grand Total	2,772,694	122,471

TABLE II.

Traffic Expenses

	2ND HALF 1873	2ND HALF OF 1874		
	Total	Total	Increase	Decrease
	RS	RS	RS	RS.
Train mileage	140,250	162,852	22,602	..
* Vehicle mileage, Coaching	1,133,704	1,304,486	170,782	
* Vehicle mileage, Goods	1,201,444	1,400,219	198,775	
Total	2,335,148	2,704,705	369,557	...

Details	2ND HALF, 1873.	2ND HALF OF 1874			Cost per Train Mile	Cost per 1,000 Vehicle Miles
	Total	Total	Increase	Decrease		
	RS	RS	RS.	RS	AS	RS
SALARIES, WAGES, &c —						
General Superintendence, including travelling allowances	3,926	4,851	925	.	0 477	1 794
Office Establishment and Contingencies	970	983	13		0 097	0·363
Station Staff	15,722	16,023	301		1 574	5 924
Train Staff	3,283	3,508	225	.	0 345	1 297
FUEL, LIGHTING, WATER, AND GENERAL STORES	1,757	1,434		323	0 141	0 530
CLOTHING	816	11		805	0 001	0 004
PRINTING, STATIONERY, AND TICKETS	2,303	2,879	576		0 283	1 065
CHARGES FOR DELIVERY AND COLLECTION OF GOODS, &c.				..	...	.
MISCELLANEOUS EXPENSES	278	246	...	32	0 024	0 091
PAYMENTS TO OTHER LINES—	.		.	.		.
Hire of Vehicles	5,805	8,395	2,590	..	0 824	3 104
Mileage of Foreign Stock	6,924	6,763		161	0 664	2 500
Expenses at joint stations	.	...	..			
UNCLASSIFIED EXPENDITURE						
Total	41,784	45,093	3,309	.	4 430	16·672
Less	..	..		...	...	...
Net Total	41,784	45,093	3,309	.	4 430	16 672

TABLE J.

General Charges

Details.	2nd half of 1873	2nd half of 1874.			Cost per Train Mile.
	Total	Total	Increase	Decrease	
Train Mileage	140,250	162,852	22,602		
	Rs	Rs	Rs	Rs	As
Home Expenditure	9,275	5,118		4,157	0 503
Indian Management—					
Agent's Office, including travelling allowances and Contingencies . . .	10,278	4,793	..	5,485	0 471
Auditor's Office do	11,138	9,834		1,304	0 966
Account's Office do					
Paymaster's Office do					
Store Department do.	5,258	1,909		3,349	0 187
Medical Department do	1,811	844	...	967	0 083
Rents	29	21	.	8	0 002
Miscellaneous expenses, including Printing and Stationery and Medicine	1,779	828	...	951	0 082
Police	...	187	187	..	0 018
Advertising	261	.	...	261	
Electric Telegraph—					
Salaries, &c	3,376	3,616	240	.	0 355
Maintenance—(Wages and Stores)	281	113	.	168	0 011
Government Telegraph Department for Rent Maintenance, and Inspection	.	..	..	...	.
Clearing Accounts with other Lines	...	..		.	.
Unclassified Expenditure	...	..	...	...	...
Total ...	43,486	27,263		16,223	2 678
Less ...	...	.	*Nil.*	...	
Net Total ..	43,486	27,263	..	16,223	2 678

TABLE K.

Steam Boat Service.

Details	2nd half of 1873	2nd half of 1874		
	Total	Total.	Increase	Decrease
	Rs	Rs	Rs	Rs
Working Vessels—	...	*Nil*	..	...
Salaries and allowances of Officers and Crews				
Loading and unloading vessels				
Pilotage fees				
Contingencies				
Repairs—				
Wages				
Materials				
Fuel—				
Fuelling Establishment and Fuelling Vessels				
Coal				
Coke				
Patent Fuel				
Wood				
Miscellaneous Stores				
Steam Traffic Agencies				
Miscellaneous Expenditure				
Contribution to Flotilla Reserve Fund				
Total ...	..	...	..	..
Less ..	..	.	...	..
Net Total		...	...	...

—	Quantity consumed.	Quantity consumed	Increase	Decrease.
	Tons.	Tons	Tons	Tons
Coal	...		...	...
Coke	.	*Nil*	...	..
Patent Fuel	..		...	..
Wood	.	.	.	..

TABLE L.

Special and Miscellaneous Expenditure.

Details	2nd Half of 1873	2nd-Half of 1874		
	Total	Total	Increase.	Decrease
	RS	RS	RS	RS
Law Charges	32	376	344	...
Compensation—				
For goods lost or damaged	42	77	35	...
„ personal injury	.	.	..	..
„ other claims	.	.		.
Rates and Taxes	1,854	390	..	1,461
Interest on Revenue Balances	.		...	
Contribution to Special Funds—				
Fire Insurance Fund	5,000	...	...	5,000
Permanent-way, Renewal Fund	.	...	..	.
Casualty Fund	..	.	..	.
Total	6,928	843	.	6,085
Less ...	..	...	...	...
Net Total ..	6,928	843	..	6,085

ANALYSIS OF CARRYING COST.

TABLE M—I

Definitions

The unit of Passenger Traffic is—1 passenger *plus* free luggage.
„ of Carriages is—1 carriage
„ of Horses is—1 horse
„ of Luggage is—1 ton
„ of Post Office Vehicles is—1 „
„ of Goods is—1 „
„ of Cattle is—1 „

Approximate Weight of Units to be adopted in these calculations.

	CWT		TONS
Coaching—			
A 1st class passenger with free luggage	1 75	or	0875
A 2nd „ „ „ „	1 75	or	0875
A 3rd „ „ „ „	1 25	or	0625
A 4th „ „ „ „	1 25	or	0625
A carriage (average for two and four-wheeled)	6 75	or	·3375
Coaching—(Concld.)			
A horse	8 75	or	4375
A dog	0 20	or	01
Goods—			
A head of horned cattle, or a pony or horse	5 00	or	25
A head of sheep, goat, &c	0 50	or	025

Data for calculating the incidence of carrying Cost per Unit per Mile for each Class of Passenger Traffic and for Goods, Cattle, and Minerals

	Details	Total Mileage of each description of Rolling Stock (a)	Total Mileage of Units (b)	Average Contents in Units of each Vehicle: No (c)	Average Contents in Units of each Vehicle: Weight in Tons, (d)	Average Weight of Rolling Stock in Tons * (e)	Total average Weight including Contents of each Vehicle in Tons (f)	Proportion per cent of Freight to Total Weight (g)	Ton Mileage: Of Freight. (h)	Ton Mileage: Of Dead Weight. (i)	Total Ton Mileage: Excluding Engines and Tenders and Brake Vans (k)	Total Ton Mileage: Including Engines and Tenders and Brake Vans (l)
	Coaching—											
1	1st Class	55,295	69,296	1 253	0 110	7 279	7 389	1 484	6,063	402,492	408,555	..
2	2nd „	131,811	302,926	2 298	0 201	6 939	7 140	2 816	26 506	914,637	941,143	...
3	3rd „	931,977	26,416,396	26 901	1 681	6 655	7 336	22 919	1,651,026	5 553,079	7,204,104	..
4	4th „									..	.	.
5	Carriage Trucks	4,789	6,599	1 373	0 465	6 060	6 525	8 417	2 227	24,233	26,460	..
6	Horse Boxes ..	22,190	21,374	0 963	0 421	7 090	7 511	5 610	9,351	157,327	166,678	..
7	Luggage Vans	108,424	15,868	.	0 183	6 110	6 293	2 912	19,868	662,470	682,338	...
8	Post Office Vehicles	.		..	.	..	..	.		.		..
9	Total ..	1,304,486	..	..	..	. .	.	.	1,715,040	7,714,238	9,429,278	..
10	Passenger Engines and Tenders	79,184	..	.	..	38 923	..	.	...	3,082,109	..	. .
11	Do Brake Vans „	27,106	.	..	..	6 110	..			165,618		. .
12	Total Coaching Ton Mileage .	.			.	.			1,715,040	10 961,465		12,677,005
	Goods—											
13	Goods Vehicles	1,398 410	8,956,306	...	2 829	5 594	8 423	38 188	8,956 306	7,822,706	11,779 012	.
14	Cattle Vans	1,860	1,165		0 641	6 112	6 756	0·532	1,165	11,056	12,221	.
15	Mineral Trucks .					...				.	..	
	Total ...	1,400 219	..		.	.	..	.	8,957,471	7 833 762	11 791 233	
16	Goods Engines and Tenders	83,668		..	..	35 923	..			3,256,667	..	. .
17	Goods Brake Vans ..	6,348		.	.	5 250				33,327		
19	Total Goods Ton Mileage .		..				.		3,957,471	11,123,756	.	15,081,227
	Miscellaneous (for stores carried free on Revenue Account)—											
20	For Traffic Department	1,528	866	...	0 567	6 097	6 664	8 505	866	9,316	10,182	.
20 A	„ Locomotive do .	23,717	104,931		4 619	5 032	9 651	47 861	104,031	114,312	219,243	..
21	„ Maintenance do	10,290	16,674	..	1 620	5 133	6 753	23 995	16,674	53,818	69,492	
22	Total ..	34,535		.	...		.		122,471	176,446	298,917	..
23	Engines and Tenders	5,169	.	.	. .	40 206	...	.	...	207,827	. .	.
24	Brake Vans	..	.	.		..	...	..	...	..	.	..
25	For stores carried free in ordinary trains.	.	.			...				. .	...	
26	Total Miscellaneous Ton Mileage ..		..	. .		.	.		122,471	384,273	...	506,744
27	Total Ton Mileage ..	...	..	.	.	. .	..	..	5,791,082	22,469,994	...	28,264,976

TABLE M—II.

Division between Coaching and Goods of the Expenditure of Departments

	RS	RS
Maintenance expenses as per the Revenue Account		61,034
Reduced by value of stores sold	257	
Rents of dwelling-houses	1,617	
		1,874
Net amount		59,160
Locomotive expenses as per the Revenue Account		1,36,733
Carriage and wagon expenses as per the Revenue Account .		26,405
Traffic expenses as per the Revenue Account		45,094
Reduced by stores sold	1	
Mileage of vehicles over foreign lines	6,016	
		6,017
Net amount .		39,077
General charges as per the Revenue Account		27,263
Reduced by telegraph receipts	3,155	
Fees on transfers of shares	416	
		3,571
Net amount...		23,692
Special and miscellaneous expenses as per the Revenue Account		842
Reduced by sale of unclaimed and damaged goods . .		41
Net amount		801

Division of Expenses.

—	Maintenance (a)	Locomotive. (b)	Carriage and Wagon (c)	Traffic. (d)	General (e)	Special and Miscellaneous (f)	Total
	RS	RS.	RS	RS.	RS	RS.	RS
nses as reduced above	59,160	136,733	26,405	39,077	23,692	801	285,868
to coaching ..	27,018	66,484	9,337	18,847	11,520	389	133,595
to goods ..	32,142	70,249	17,068	20,230	12,172	412	152,273

TABLE M—III

Distributed Cost of carrying the Vehicles of each Class, including Freight

Details	Coaching									Goods			
	First class	Second class	Third-class	Fourth class	Carriage Trucks	Horse Boxes	Luggage Vans	Post Office Vehicles	Total	Goods Vehicles	Cattle Vans	Mineral Trucks.	Total.
	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Maintenance (a)	1,171	2,697	20,642		76	477	1,955		27,018	32,109	33		32,142
Locomotive (b)	2,881	6,636	50,795		186	1,175	4,811		66,484	70,176	73		70,249
Carriage and Wagon (c)	396	943	7,029		84	159	776		9,337	17,046	22		17,068
Traffic (d)	799	1,904	14,187		69	321	1,567		18,847	20,204	26		20,230
General (e)	488	1,164	8,672		42	196	958	.	11,520	12,156	16		12,172
Special and Miscellaneous (f)	17	39	293		1	7	32	..	389	411	1	..	412

TABLE M—IV.

Classified Cost of working over one Mile a Vehicle including its Freight, also Total Cost of carrying over one Mile a Unit of each Description of Traffic

Details	Coaching.								Goods		
	First class	Second class	Third class	Fourth class	Carriage Trucks.	Horse Boxes	Luggage Vans	Post Office Vehicles	Goods Vehicles	Cattle Vans	Mineral Trucks
	PIES	PIES	PIES	PIES	PIES.	PIES	PIES	PIES	PIES	PIES	PIES
Maintenance	4 066	3 929	4 036		3 047	4 127	3 462	.	4 409	3 503	..
Locomotive ..	10 004	9 666	9 932		7 457	10 167	8 519	..	9 635	7 748	
Carriage and Wagon	1 375	1 374	1 374		1 363	1 376	1 374		2 340	2 335	
Traffic	2 774	2 773	2 774		2 766	2 777	2 775		2 774	2 759	
General	1 695	1 695	1 696		1 684	1 696	1 697		1 669	1 698	
Special and Miscellaneous ..	0 059	0 057	0 057		0 040	0 061	0 057		0 056	0 106	
Total	19 973	19 494	19 869		16 357	20 204	17 884		20 883	18 149	..
Cost per Unit	15 937	8 482	0 739		11 871	20 975	97 595		7 382	28 182	

TABLE M—V

Statement showing in comparison the Receipts and the carrying Cost per Vehicle per Mile and per Unit per Mile of Coaching and Merchandize Traffic

Details	Average Receipt per Vehicle per Mile (a)	Carrying Cost per Vehicle per Mile (b)	Profit per Vehicle per Mile (c)	Loss per Vehicle per Mile (d)	Average Receipt per Unit per Mile (e)	Carrying Cost per Unit per Mile (f)	Profit per Unit per Mile (g)	Loss per Unit per Mile (h)	Proportion per-cent. of Profits to Receipts. (i)
	PIES	PIES	PIES	PIES.	PIES	PIES	PIES	PIES	
Coaching—									
1st-class	14 030	19 973		5 943	11 195	15 937		4 742	..
2nd ,,	10 624	19 494		8 870	4 623	8 482		3 859	
3rd ,,	51 012	19 869	31 143		1 896	0 739	1 157	.	61·025
4th ,,				..					
Carriages	30 848	16 857	14 491	-	22 387	11 871	10 516		46 974
Horses	18 449	20 204		6 755	13 962	20 975		7 013	.
Luggage, including parcels and dogs	14 914	17 884	-	2 970	81 392	97 595	.	16 203	.
Post Office Vehicles ..					.	.	..		
Goods—									
Merchandize, including Government Stores and Railway Materials	28 443	20 883	7 560	.	10 052	7 382	2 670	..	26 563
Cattle	21 977	18 149	3 828		34 125	28 182	5 943	..	17 415
Minerals	.								

(Signed) R. G MACDONALD,
Examiner of Railway Accounts

MADRAS,
7th September 1875

Review of the Revenue Account
of the
South Indian Railway
~~for the Half year ended~~ 31st December 1874. —

Table A. General Statement of working of half year ending 31st December 1874.

I. Description of Railway worked.

	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of line sanctioned	Open mileage at the end of the half year				Mean mileage worked	Number of Stations open at the end of the half year	Average distance between Stations	Total length of the following gradients			Steepest gradient worked by				
											Fixed power		Locomotives		
	Single	Double	Total	Sidings				100 and less	101 to 200	201 to 300	Length	Inclination	Length	Inclination	
Miles	Miles	Miles	Miles	Miles	Miles		Miles	M Ch	M Ch	M Ch	M Ch			M Ch	
617×	185	.	185	16	185	24	7.7	3.56	10.9	12.19	.	.	.	3.56	1/100

— The South Indian Railway is of the metre gauge, but the sections worked during the half-year were from Negapatam to Erode Junction 167 miles of the 5' 6" gauge; and from Arconum to Conjeveram, 18 miles of the 3' 6" gauge —

× Open line ...... 185 miles
Southern Extension .... 215 "
Northern Extension ... 217 "
Total ..... 617 miles.

II. — Financial Results.

17	18	19	20	21	22	23	24	25	26
Total Capital authorized to be raised.	Total Capital paid up to end of half year	Total Capital withdrawn to end of half year	Total capital expended on open mileage, inclusive of rolling stock	Cost per mile open	Earnings	Expenses	Profits	Percentage of profits on paid up Capital	Percentage of profits on capital expended on open mileage, inclusive of rolling stock
£	£	£	£	£	Rs	Rs	Rs		
3 702.100	3.659.505	2.487.537	1.468.326	7.937	505 197	297.371	2.07.826	0.544	1.356

III Summary of General Results

27	28	29	30	31	32	33	34	35	36	37
	Coaching			Goods			Total including sundries, but excluding steam-boat			Total including sundries and steam boat
	Total	Per Passenger train mile	Per mean mile open per week	Total	Per Goods train mile	Per mean mile open per week	Total	Per total train mile	Per mean mile open per week	
	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs
Earnings (from No. VIII of the Revenue Account)	2.83 751	3.583	58.992	2.08.065	2.488	43.257	5,05,197	3.102	105.030	5,05,197
Expenses	1.33.595	1.687	27.775	152.273	1.820	31 658	2,97,371	1.826	61.823	2.97.371
Profits	1.50 156	1.896	31.217	55,792	0 668	11.599	207 826	1.276	43.207	2.07.826
Per cent of Expenses							58.862			58.862

Description			Passengers or tons of Goods carried: Number	Per cent of total number and total tonnage	Earnings: Amount	Per cent of total earnings from Coaching and from goods	Percentage of total earnings contributed by each Description of traffic.
					Rs		
...hing (Revenue ...unt Abstract H)	Passengers	1st Class	1,285	0.17	4,040	1.42	
		2nd "	7,550	0.97	7,318	2.58	
		3d "	769,317	98.86	2,60,897	91.95	
		4th "	"	"	"	"	
	Miscellaneous		"	"	11,496	4.05	
		Total	778,152	100.00	2,83,751	100.00	
	Less outstandings irrecoverable				"		
		Net Total			2,83,751		56.17
...oods (Revenue A... ...unt, Abstract I.)	General merchandize	Special	Tons 21,333	33.40	51,537	24.77	
		1st Class	35,456	55.51	131,303	63.11	
		2d "	48	0.08	79	0.04	
		3d "	16	0.02	39	0.02	
		4th "	334	0.52	2,725	1.80	
		5th "	89	0.14	1,075	0.52	
	Military Stores		15	0.02	163	0.08	
	Railway materials		6,584	10.31	19,239	9.22	
	Minerals		"	"	"	"	
	Miscellaneous				905	0.44	
		Total	63,874	100.00	208,065	100.00	
	Less outstandings irrecoverable				"		
		Net Total			2,08,065		41.…
Sundries, including Electric telegraph					13,381		2.…
		Total Railway earnings			5,05,197		100
Steam boat traffic					"		
		Total, including steam boat			5,05,197		

V. - Working Expenses.

44	45	46	47	48	49	50	51	52	5…
	Mainte-nance	Locomo-tive	Carriage and Wagon	Traffic	General	Special and Miscellaneous	Total Railway Expenditure	Steam boat Expenses	T… inclu… stea… -b…
	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	R…
Amount (Revenue Account Form No. VIII)	61034	1,36,733	26,405	45,093	27,263	843	297,371	"	2,97,3…
Percentage of expenses of each Department	20.525	45.981	8.880	15.164	9.167	0.283	100.000	"	

38

VI. Haulage

54	55	56	57	[illegible]	59	60	61	62	63	64	65	66.
Train-mileage			Vehicle-mileage, (inclusive of brake vans)					Gross ton-mileage (freight and dead weight.)				
			Runs for public traffic				Total	For public traffic				
Traffic	Miscel-laneous	Total	Coaching	Goods	Total	Miscel-laneous	including Miscel-laneous	Coaching	Goods	Total	Miscel-laneous (for Revenue purposes)	Total including Miscel-laneous.
162,852	4,267	167,119	1,304,486	1,400,219	2,704,705	34,535	2,739,240	12,677,005	15,081,227	27,758,232	506,744	28,264,976

VII. Average composition and weight of trains

67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
	Composition													Weight.		
	Coaching Vehicles								Goods Vehicles							
Nature of trains	1st Class	2d Class	3d Class	4th Class	Carriage trucks	Horse Boxes	Lug-gage Vans	Post Office vehi-cles	Brake Vans	Goods Vehicles	Cattle Vans	Mineral trucks	Brake Vans.	Freight or live load.	Dead load exclusive of engines and tenders and brakes	Total
	No	No	No	No	No	No	No	No	No	No	No	No	No	Tons	Tons	Tons
Passenger																
Goods																
Mixed	0.339	0.809	6.030	"	0.029	0.136	0.666	"	0.166	8.587	0.011	"	0.040	34.878	95.468	130.2

VIII. Average loads of Vehicles

84	85	86	87	88	89	90
			Average weight			
Details	Average carrying capacity	Average contents of each vehicle	of each vehicle	of freight	Total	Proportion per cent of freight to total weight
	No	No	Tons	Tons	Tons.	
Coaching						
1st Class	27.37	1.253	7.279	0.110	7.389	1.511
2d "	30.80	2.298	6.939	0.201	7.140	2.896
3d "	55.06	26.901	5.655	1.681	7.336	29.726
4th "						
Carriage trucks	1	(a) 1.378	5.060	0.465	5.525	9.189
Horse boxes	3	0.963	7.090	0.421	7.511	5.938
Luggage vans	6 Tons	0.183 Tons	6.110	0.183	6.293	2.995
Post Office Vehicles						
Goods						
Goods vehicles	6.70 "	2.829 "	5.594	2.829	8.423	50.572
Cattle vans	6 "	0.644 "	6.112	0.644	6.756	10.537
Mineral trucks						

Table B.—

Statement showing in comparison the Coaching Traffic of the half years ending 31st December 1873 and 31st December 1874.

Reference to Revenue Account	Details	Number		Average fare per unit per mile		Receipts		Average mileage		Total unit mileage	
Table and sub. Main head.		2nd Half 1873	2nd Half 1874	2nd Half 1873	2nd Half 1874	2nd Half 1873	2nd Half 1874	2nd Half 1873	2nd Half 1874	2nd Half 1873	2nd Half 1874
				Pies	Pies	Rs	Rs				
X. (H) 1.	1st Class Passengers—										
	Single journey	999	1,138	10.52	12.060	3,173	3,585	57.99	50.156	57 931	57,078
	Excess fares					139	142			2,770	2,277
	Return journey	168	146	6.05	6.000	360	308	67.99	67.534	11,422	9,860
	Troops and Police		1		12.000		5		86.000		86
	Total	1,167	1,285	9.78	11.495	3,672	4,040	61.80	53.926	72 123	69,296
	Season Ticket passengers	240		5.63		180		2.048		6,144	
1	2nd Class—										
	Single journey	5,829	6,227	4.83	5.178	5,435	5,943	37.05	35.420	215 969	220,564
	Excess fares					241	284			10,505	10,906
	Return journey	912	1068	1.94	2.608	884	834	95.82	57.493	87,384	61,402
	Troops and Police	66	135	4.32	4.432	125	232	84.14	74.474	5,553	10,054
	Total	6 807	7,430	4.02	4.623	6,685	7,293	46.92	40.770	319,411	302,926
	Season Ticket passengers	480	120	2.34	0.975	100	25	4.096	4920	8,192	4,920
1	3rd Class—										
	Single journey	633,949	702,190	2.13	1.960	200,425	2,18,643	28.48	30.504	18,056,157	24,419,757
	Excess fares					343	461			35,989	44,256
	Return journey	83 640	64,864	1.60	1.610	50,634	40,566	72.85	74.534	6,092,978	4,835,196
	Troops and Police	980	2,263	1.54	2.026	684	1,237	86.95	51.784	85,206	117,187
	Total	718,569	769,317	1.99	1.897	2,52,086	2,60897	33.78	34.337	24,270,330	26,416,396
	Season Ticket passengers					Nil					
1	4th Class—										
	Single journey										
	Excess fares					Nil					
	Return journey										
	Troops and Police										
	Total										
	Season Ticket passengers										
	Total—										
	Single journey	640,777	709,555			209,033	228,171	28.61	30.579	18 330 057	21,697,399
	Excess fares					723	887			49264	57434
	Return journey	84,720	66,078			51,878	41,698	73.09	74.253	6 191 784	4,906,458
	Troops and Police	1,046	2,399			809	1474	86.77	53.075	90,759	127,327
	Total	726,543	778032			262,443	272,230	33.94	34.431	24,661,864	26788.618
	Season ticket passengers	720	120			280	25	19.901	41.00	14,336	4,920
2	Passengers' Luggage	Ton miles 5 437	Ton miles 5,399	57.42	65.025	1,672	1,829				
3	Military Baggage	183	314	42.91	28.385	29	46				
4 1	Public Carriages	No. 62	No. 86	23.12	22.387	572	769			4,752	6,599
4 2	Public Horses	273	233	16.72	12.946	1,552	1,046			18,165	21,287
4 3	Public Dogs &c.	352	432	2.33	2.569	266	287			23,714	25,210
5 1	Military Carriages										
5 2	Military Horses	13	1	8.83	18.000	57	8			1,238	86
5 3	Military Dogs &c.		4		0.384		1				.344
6	Parcels	Ton miles 12 491	Ton miles 13,902	87.76	85.763	5,772	6,210				
7	Special Trains	Train miles 701	Train miles 184	Rs. 2.37	Rs 3.88	1,662	714				
8	Miscellaneous										
	Post Office—										
9 1	Haulage and hire of Post Office vehicles										
9 2	Special Trains										
9 3	Parcels					36	36				
						Nil					
	Total					274,372	283,751				
	Less outstandings irrecoverable					.	.				
	Net Total					274,372	283,751				

Table C.

Statement shewing in comparison the Goods Traffic of the halfyears ending 31st December 1873 and 31st December 1874.

...ference to
Revenue
Account
...of No
...d Sub,
furnished
...ead

	Details	Ton miles				Average rate per ton per mile		Receipts.		Average mileage	
		2d Half of 1873		2d Half 1874		2d Half	2d Half	2d Half	2d Half	2d Half	2d Half
		Up	Down	Up	Down	1873	1874	1873	1874	1873	1874
						Pies	Pies	Rs.	Rs.		
	Merchandize, General-										
X(1) 1	Special	482 834	545,365	286,695	952,804	6 50	7 933	43,794	51,507	95 89	58·102
	1st Class	348,165	1 185,213	949,551	1,141,547	11 95	12·056	1,26601	1,31,303	59·49	58·977
	2d "	31,999	80,474	146	725	14 04	17·409	8,208	79	78·14	18·146
	3d "	17,238	41,825	35	258	18·03	25667	5,546	39	70·40	19·600
	4th "	1,832	10,346	9,535	29,070	24 00	24155	1,522	1,725	74·71	88 638
	5th "	7,314	13,602	2,990	1,576	40 12	45 214	4,371	1,075	73 39	51 308
	Total	1,389,382	1,876,825	1,248,952	2,116,980	11·17	10 710	1,99,041	1,87,758	64·80	52 696
2	Military Stores	229		1,268		17·87	24 713	21	163	76 88	84·200
3	Railway Material for Construction	320 585	1017	523,716	65,394	3 97	6 270	4,651	19,239	84 63	89 476
	Mineral -										
4 1	In the Public										
2	" Company (construction only) -										
	Total Goods	1710,196	1 877842	1,773,931	2,182,374	10 53	10 052	1,96,713	2,07,160	66·19	61·939
5	Stores carried free for Revenue	108 291·16	78 010 14	99476	122994 89					11 950	43 147
	Live Stock -	No.		No.		average rate per ton per mile				Estimated total ton mileage	
6 1	Horses	"		"		"		"		"	
2	Cattle	24		53		30.343	30 382	74	144	468 25	910.00
3	Sheep &c.	1808		1.218		32·750	47·519	64	63	375·200	254·55
	Military Live Stock -										
7 1	Horses	"						"			
2	Cattle	"						"			
3	Sheep &c.	"						"			
8	Rent and Demurrage, Wharfage &c.	"						564	698		
9	Interest on Outstanding Bills	"						"			
10	Miscellaneous	"						"			

Total 197415 208065

Less outstanding irrecoverable Nil Nil

Net Total 197415 208065

Ex d

Description	Quantity 2nd Half 1873 Tons	Quantity 2nd Half 1874 Tons	Receipts 2nd Half 1873 Rs	Receipts 2nd Half 1874 Rs	Increase in quantity Tons	Decrease in quantity Tons	Increase in receipts Rs.	Decrease in receipts Rs.
Areca nuts	1,016	838	4,731	3,314		178		1,417
Cloth	1,139	1,091	6,452	5,287		48		1,165
Curry Stuff	1,530	1,923	8,026	8,797	393		771	
Fruit and Vegetables	1,129	1,384	5,920	6,610	255		690	
Grain of all sorts	19.046	19.722	49.385	50,464	676		1.079	
Granite stones	2,486	9.193	4,049	7.195	6.707		3,146	
Hides	417	434	2,327	2,102	17			225
Oil and Ghee	665	694	3,428	3,326	39			102
Oil cakes	612	1,258	2,670	5,944	646		3,274	
Salt	7.907	6,846	41,499	36,484		1,061		5,015
Seeds of all kinds	2,285	3,954	11,094	18,161	1,669		7,067	
Sundries	11,119	9459	42,478	37,889		1,660		4,589
Tobacco	406	495	2,205	2,348	89		143	
Total	49,747	57,291	1,84,264	1,87,921	7,544		3,657	

Exd.

Table D.– (7)

Statement of Mileage maintained by Revenue.

Reference to Revenue Account: Table and Main head	Reference to Revenue Account: Sub-head		Details		2nd Half of 1873: Depart=mentally	2nd Half of 1873: By Contract	2nd Half of 1873: Total	2nd Half of 1874: Depart=mentally	2nd Half of 1874: By Contract	2nd Half of 1874: Total	Total Increase	Total Decrease
					Miles	Miles	Miles	Miles	Miles	Miles	Miles	Miles
IX	(A)	1	Mean miles of line maintained by Revenue	Single	185		185	185		185		
		2		Double	"		"	"		"		
		3		Total	185		185	185		185		
		4	Mean miles of sidings maintained		15 3/8		15 3/8	15 3/8		15 3/8		
				Total	200 3/8		200 3/8	200 3/8		200 3/8		
		5	Mean miles of single track including sidings		200 3/8		200 3/8	200 3/8		200 3/5		

Table D.I.

Statement of Train Mileage.

	Details		Train-miles run: Traffic Department	Train-miles run: Locomotive Department	Train-miles run: Maintenance Department	Total	Hours of Assisting Engines		Hours of Shunting, Piloting, &c.		Hours of Miscellaneous	
	Reference to Revenue Account		XIV.1	XIV, 2	XIV.3		XIV.4.		XIV 5.		XIV. 6	
							hrs.	mns.	hrs.	mns.	hrs.	mn
1	2nd Half, 1873	Passenger										
		Goods										
		Mixed	1,40,250	629	5,201	1,46,080	6	35	6,215	53	1,437	
		Total	1,40,250	629	5,201	1,46,080	6	35	6,215	53	1,437	
2	2nd Half, 1874	Passenger										
		Goods										
		Mixed	1,62,852	1,762	2,505	1,67,119	12	50	7,486	8	1,667	
		Total	1,63,852	1,762	2,505	1,67,119	12	50	7,486	8	1,667	
3	Increase in 1874	Passenger										
		Goods										
		Mixed	22,602	1,133		23,436	6	15	1,269	15	229	
		Total	22,602	1133		23,435	6	15	1,269	15	229	
4	Decrease in 1874	Passenger										
		Goods										
		Mixed			2,696	2,696						

…ance to
…me Amount
…nd Inte-
…ead Head

		2 Half 1873	2nd Half of 1874		
			1,434	32.227	19.726 185.622 …43
		Total	Total	Increase	Decrease
	Mileage of line maintained (D.3, page 7)	185	185	"	"
	Mileage of single track, including sidings (D.5, page 7)	200 3/8	200 3/8	"	"
1.	Train Mileage (D–I 2, page 7)	140,250	162,852	22,602	"
	Ton mileage (M–I column 27 C)	25,440,725	28,264,976	2,824,251	"

		Details	2nd Half 1873 Total	2nd Half of 1874 Total	Increase	Decrease	Per mile of line maintained	Per mile of track including sidings	Per train mile	Per 1000 ton miles
			Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs
IX(A)		General Superintendence—								
1	1 & 2	Engineers' salaries and allowances	5,753	5,464		289	29.535	27.269	0.537	0.193
	3 & 5	Subordinate Superintendents' salaries and allowances including overtime	3,460	3,990	540		21.568	19.912	0.392	0.141
	6	Office expenses	2,331	2,276		56	12.297	11.364	0.224	0.081
		Maintenance and Renewal of Permanent Way—								
2	1	Wages	21,318	19,888		1,430	107.503	99.254	1.954	0.703
	2	Materials	21,427	22,024	597		119.049	109.913	2.164	0.779
		Repairs of Bridges, &c:- Wages and Materials—								
3	1	Bridges and Tunnels	1,460	1,301		159	7.032	6.493	0.128	0.046
	2	Miscellaneous	531	1,173	642		6.341	5.854	0.115	0.04
		Repairs of Stations and Buildings Wages and Materials—								
4	1	Repairs of all except Staff quarters	2,516	4,403	1,887		23.800	21.974	0.433	0.15
	2	" " of Staff quarters	196	319	123		1.724	1.592	0.031	0.01
		Maintenance by Contract—								
5	1	Amount paid to Contractors								
	2	Materials supplied by the Company								
		Unclassified Expenditure—								
6	1	Plantations								
	2	Tools and Plant	39	338	299		1.827	1.687	0.032	0.012
	3	Loss on stores, &c.	13	5		8	0.027	0.025	0.000	0.00
		Total	59,034	61,180	2,146		330.703	305.327	6.010	2.164
		Less		146		146	0.789	0.728	0.014	0.005
		Nett Total	59,034	61,034	2,000		329.914	304.599	5.996	2.159

End

Maintenance of Way.
Rails.

	Details	Double-headed 68 lb to the yard.	Flat-footed 35½ lb to the yard	Total
1	Miles of rail in way, including sidings	359·84	40·92	400·76
2	Average age of rails in way at the middle of the halfyear	10 years	9·75 years	10 Years
3	Rails inverted { Number	1,379	25	1,404
	Rails inverted { Miles	2,758	0·04	2·798
4	Proportion inverted per mile of (1) rail	·0074	0·00098	0·0068
5	Rails renewed { Number	118	12	130
	Rails renewed { Miles	0·236	0·02	0·256
6	Proportion renewed per mile of (1) rail	·00064	·00049	·00062
7	Average number of tons hauled over each kind of rail in the halfyear	166,028	28,713	152,006
8	Thousands of tons hauled on an average over each kind of rail during the average age of rails in way (2.)	2,974	560	2727

Table E. II.
Maintenance of Way
Sleepers

	Details	Negapatam-Erode Section		Arconum-Conjeeveram Section		
		Creosoted pine 10'×10"×5"	Pairs of Iron pot sleepers *	Teakwood	Longitudinal	Iron
		No	No	No	No	No
1	Number of sleepers in way including sidings	128,506	187,854	43,021	127	5
2	Average age of sleepers in way at the middle of the halfyear	13 years	7¼ years	9¾ years	9¾ years	4
3	Number renewed	3,466	56	358		
4	Ditto per cent. of (1.)	12·69	·029	·832		

* Two round cast iron pots weighing 80 lbs each united by wrought iron tiebar weighing 28 lbs.

Exd
H.H.

Table F. — (10) 13

Locomotive Department Expenses.

Reference to Revenue Account Table and Main heads		2nd Half 1873	2nd Half 1874		
		Total	Total	Increase	Decrease
XIV.1	Train-mileage (D-1, 2, page 7)	140,250	162,852	22,602	
	Ton-mileage (M-1 column 27l, page 18)	25,440,725	28,264,976	2,824,251	

Reference		Details	2nd Half 1873	2nd Half 1874			Per train mile	Per 1000 ton miles
			Total Rs	Total Rs	Increase Rs	Decrease Rs	As	Ps
		General Superintendence—						
IX(B)1	1&2	Salaries of Superintendents and Assistants, including allowances	4,343	5,904	1,561		0·580	0·209
	3&5	Ditto of Subordinate ditto including ditto	8,649	8,665	16		0·852	0·306
	6	Office expenses	3,454	3,622	168		0·356	0·128
		Running Expenses—						
2	1&2	Wages of Drivers and Firemen including overtime	16,918	16,647	729		1·635	0·589
	3	Fuelling, cleaning and looking after Engines	1,505	1,348		157	0·132	0·048
	4	Contingent expenses	1	4	3		0·000	0·000
		Fuel—						
3	1	Coal	42,643	65,080	22,437		6·394	2·303
	2	Coke	3,577	28		3,549	0·003	0·001
	3	Patent Fuel	334			334		
	4	Wood	16,555	7,950		8,605	0·781	0·281
4		Water (including wages and stores)	1,042	1,187	145		0·117	0·042
5		Oil, tallow and other Stores	2,413	2,499	86		0·245	0·088
		Maintenance and Renewals—						
6	1&2	Wages including overtime	5,388	6,164	776		0·606	0·218
	3	Materials	17,622	17,635	13		1·733	0·624
7		Payments to other lines						
8		Unclassified Expenditure						
		Total	1,23,444	1,36,737	13,289		13·434	4·837
		Less	4	4	2	4		
		Net Total	1,23,444	1,36,733	13,289		13·434	4·837

Fuel consumed (from Abstract 10 of Revenue Account.)

	Coal	Coke	Patent Fuel	Wood	Average consumption per train mile: Coal Coke and patent Fuel	Average consumption per train mile: Wood	Average consumption per 1000 ton miles: Coal Coke and patent Fuel	Average consumption per 1000 ton miles: Wood
	Tons	Tons	Tons	Tons	lbs	lbs	lbs	lbs
Quantity consumed during the 2nd Half of 1873	1,420	84	11	2,474	25·510	41·668	136·159	222·347
do do of 1874	2,342	1		1,434	32·227	19·726	185·683	113·645
Increase in 1874	922				6·717		49·524	
Decrease in 1874		83	11	1,040		21·942		108·702

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Table F. I. (11)

Locomotive Power

Reference to Revenue Account: Table and Main head	Sub-head		Passenger	Goods	Goods	Tank: Negapatam to Erode	Tank: Arconum to Conjeveram	Total
		Locomotives: 1. Wheels coupled	4	6	4	4	4	
		2. Weight on driving axle	9 tons	10½ tons	9½ tons	8 tons	3·15 tons	
		3. Total weight in steam, exclusive of tender	23½ tons	29½ tons	28 tons	15 tons	11·15 tons	
XII	5	1. Number of Locomotives erected and made over to Locomotive department	9	6	4	2	4	25
″	″	2. Average number of Locomotives constantly under repairs and renewals	1·44	·91	0·96	·06	1·00	4·37
		3. Number of Locomotives laid by as spare or hired out to other lines						
	″	4. Average number of Locomotives at work, [1 - (2 + 3)]	7·56	5·09	3·04	1·94	3·00	20·63
		5 Train miles hauled by each class of Locomotives at work (4)	81,497	47,564	26,902	nil	6,889	167 119
		6. Average train miles hauled by each Locomotive at work (4) — Per half year	10,780	9,344	8,849		2,296	8 101
		Per day	58	51	48		12	44
		7 Weight of coal used per train mile (To be separately if possible among the classes of Locomotives)	30·21 lbs	44·28 lbs	39·74 lbs			
		8. Weight of wood used per train mile (To be separately if possible among the classes of Locomotives)					57 93	
		9. Average gross weight of the trains hauled by each class of Locomotives	83 tons	204 tons	124 tons		64 tons	

Number of miles per hour.

	Passenger trains	Goods trains	Through mixed trains	Local Mixed Trains	Arconum Conjeveram Section mixed Trains
			Miles	Miles	Miles
~~[illegible]~~ Average speed between stations			28	21	14·10
″ Average through speed			21	14	12 5

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ue Account

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d

		2nd Half 1873	2nd Half of 1874		
		Total	Total	Increase	Decrease
-1	Train mileage (D-I. 2, page 7.)	140,250	162,852	22,602	
	Vehicle mileage: Coaching (M-I. 9 a, page 18)	1,098,801	1,304,486	205,685	
	Vehicle mileage: Goods (M-I. 16 a, page 18)	1,174,785	1,400,219	225,434	
	Vehicle mileage: Total	2,273,586	2,704,705	431,119	

		Details	2nd Half 1873	2nd Half of 1874			Cost per train mile	Cost per 10 Vehic miles
			Total	Total	Increase	Decrease		
		General Superintendence –						
)-1	1 & 2	Salaries of Superintendents, including allowances	750	1,407	657		0·138	0·57
	3 & 5	Ditto of Subordinate ditto, including ditto	1,443	1,956	513		0·192	0·723
	6	Office expenses	572	806	234		0·079	0·798
		Repairs and renewals of Vehicles and Machinery –						
2	1 & 3	Coaching Vehicles: Wages, including overtime	631	1,452	821		0·143	1·113
		Coaching Vehicles: Materials	3,060	4,523	1,463		0·444	3·467
		Goods Vehicles: Wages, including overtime	3,492	4,828	1,336		0·474	3·448
	1 & 3	Goods Vehicles: Materials	9,301	8,631		670	0·849	6·164
		Cleaning and oiling –						
3	1	Labor, including wages of oilers &c.	1,143	1,317	174		0·129	0·48
	2	Stores	1,325	1,516	191		0·149	0·561
4		Unclassified expenditure						
		Total	21,717	26,436	4,719		2·597	9·7
		Less		31		31	0·003	0·0
		Net Total	21,717	26,405	4,688		2·594	9·7

Repairs and working of Vehicles

Description of Vehicles	Average weight in tons.	Average carrying capacity	Total number at end of half year.	Repaired and renewed			Average number constantly under repairs and renewals.	Proportion per cent under repairs and renewals.	Number lent by or hired out, or lent to other lines.	Average number in working order	Total Vehicle mileage.	Average mileage run per vehicle.	
				Number repaired	Number renewed	Total.						During half year	Per day
	a	b	c	d	e	f	g	h	i	k	l	m	n
ing Stock —													
Saloon Carriages —											844		
irst class — do —	6.70		3							3.000	172	57	
Composite — do —	7.29	30	4	17		17	0.807	7.326		10.193	122,775	12,045	65
econd class — do —	6.56	48	8	2		2	0.104	1.300		7.896	63,315	8,019	44
Third — do — do —	5.58	50	54	50		50	1.873	3.468		52.127	776,571	14,898	81
Horse Boxes —	7.09	3	3	4		4	0.082	2.733		2.918	22,190	7,605	41
Carriage trucks —	5.06	1	1							1.000	4,789	4,780	26
Passenger brake vans —	6.11	tons 6	11	30		10	0.439	3.991		10.561	135,530	12,833	70
Total			91	103		103	3.305	3.632		87.695	1,126,186		
oods Stock — 9	3	3 tons	3	2	2	2	3	3	3	4	4 .16/2	3	
Ballast Wagons —	4.92	6	50	27		27	0.253	0.506		49.747	3,210		64
Covered Goods wagons — (a.)	6.12	6	175	136		136	1.548	0.884		173.452	823,792	4,749	2
attle trucks —	6.07										254		
ttle trucks of Madras Railway	6.07										344		
oke wagon —	5.74	6									10,904		
High sided wagons —	5.32	8	50	33		33	0.296	0.592		49.704	502,644	10,113	
Open goods — do —	4.92	6	90	38		38	0.269	0.499		89.731	222,410	2,479	
imber trucks —	4.74	6	4							4.000	49,731	12,433	
Travelling Crane —		10									188		
Goods brake Vans —	5.25	6	4	8		8	0.088	2.200		3.912	33,031	8,444	
Total			373	242		242	2.454	0.658		370.526	1,646,508		

(a.) 208,908 miles run for third class passenger traffic, carrying capacity 40.

(b.) used for merchandize traffic

Coaching—

First Class	55,295
Second do	131,811
Third do	981,977
Fourth do	nil
Carriage trucks	4,789
Horse Boxes	22,190
Luggage Vans	108,424
Post Office Vehicles	-
Total paying vehicle mileage	1,304,486
Passenger brake vans	27,106
Total including brakes	1,331,592

Goods—

Goods Vehicles	1,398,410
Cattle vans	1,809
Mineral trucks	-
Total paying vehicle mileage	1,400,219
Goods brake vans	6,348
Total including brakes	1,406,567

Miscellaneous—

(For stores and materials carried free on Revenue Account)		Ton mileage of stores and materials carried.
For Traffic Department—Goods vehicles	1,528	866
For Locomotive Department—Goods vehicles	22,717	104,931
For Engineering Department—Passenger vehicles	2,016	16,674
Do Goods vehicles	6,044	-
Do Brake Vans	2,230	-
Total including brakes	34,535	122,471
Grand Total	2,772,694	122,471

52

End

Table H.— (15)

Traffic Expenses.

Reference to Revenue Account Table and Sub-Main head head		2nd Half 1873 Total	2nd Half of 1874 Total	Increase Decrease
XIV. 1	Train mileage (D-1, 2, page 7)	140,250	162,852	22,602
	Vehicle mileage — Coaching (M-I 9(a) page 18)	1,140,962	1,304,486	163,524
	Vehicle mileage — Goods (M-1, 16(a) page 18)	1,207,444	1,400,219	198,775
	Vehicle mileage — Total	2,342,406	2,704,705	362,299

	Details	2nd Half 1873 Total Rs	2nd Half of 1874 Total Rs	Increase Rs	Decrease Rs	Cost per train mile As	Cost per 1000 vehicle miles Rs
	Salaries, Wages &c.—						
IX (D). 1. a 113	General Superintendence including travelling allowances	3,926	4,851	925		0·477	1·794
a 244	Office Establishment and contingencies	970	983	13		0·097	0·363
b	Station Staff	15,722	16,023	301		1·574	5·924
c	Train	3,233	3,508	275		[illegible]	[illegible]
2 163	Fuel, Lighting, Water and General Stores	1,727	1,404		323	0·141	0·530
3	Clothing	816	11		805	0·001	0·004
4	Printing, Stationery and tickets	2,303	2,879	576		0·283	1·065
5	Charges for Delivery and collection of Goods &c.						
6	Miscellaneous Expenses	278	246		32	0·024	0·091
	Payments to other Lines—						
7 1	Hire of vehicles						
7 2	Mileage of Foreign stock	5,805	8,395	2,590		0·824	3·104
7 3	Expenses at Joint Stations	6,924	6,763		161	0·664	2·50
8	Unclassified Expenditure						
	Total	41,784	45,093	3,309		4·430	16·
	Less						
	Net Total	41,784	45,093	3,309		4·430	

Table I. — (16) S8

General Charges.

Reference to Revenue Account Table and Sub: Main head: head	Details	2nd Half 1873	2nd Half of 1874			
		Total	Total	Increase	Decrease	Cost per train mile
XIV. 1	Train Mileage (D.1, 2, page 7.)	140,250	162,852	22,602		
		Rs	Rs	Rs	Rs	As
XV (E.) 1 1&4	Home Expenditure	9,275	5,118		4,157	0·503
2	Indian Management—					
1	Agents' Office, including travelling allowances and contingencies	10,278	4,793		5,485	0·470
2	Auditor's Office — ditto	11,138	9,834		1,304	0·966
3	Accounts' Office — ditto					
4	Paymaster's Office — ditto					
5	Store Department — ditto	5,258	1,909		3,349	0·187
6	Medical Department ditto	1,811	844		967	0·083
7	Rents	29	21		8	0·002
8 to 10	Miscellaneous expenses, including Printing and Stationery and Medicine	1779	828		951	0·082
3 1&3	Police		187	187		0·016
4	Advertising	261			261	
	Electric Telegraph—					
5 1&4	Salaries, &c.	3,376	3,616	240		0·355
5	Maintenance (wages and stores)	281	113		168	0·011
6	Government Telegraph Department for rent, Maintenance and Inspection					
6	Clearing Accounts with other Lines					
7	Unclassified Expenditure					
	Total	43,486	27,263		16,223	2·678
	Less		Nil			
	Net Total	43,486	27,263		16,223	2·678

Exd

Steam-Boat Service. —

ference to Revenue Account ble and in head	sub-head	Details	2nd Half 1873 Total	2nd Half of 1874 Total	Increase	Decrease
			Rs.	Rs.	Rs.	Rs.
F 1		Working Vessels —				
1	1	Salaries and allowances of Officers and crews —				
	2	Loading and unloading vessels —				
	3	Pilotage fees —				
	4	Contingencies —				
		Repairs —				
2	1	Wages —				
	2	Materials —		Nil		
		Fuel —				
3	1	Fuelling Establishment and Fuelling vessels —				
	2	Coal —				
	3	Coke —				
	4	Patent Fuel —				
	5	Wood —				
4		Miscellaneous Stores —				
5	112	Steam Traffic Agencies —				
6	154	Miscellaneous Expenditure —				
7		Contribution to Flotilla Reserve Fund —				
		Total —				
		Less —				
		Net Total				

			Quantity Consumed Tons	Quantity Consumed Tons	Increase Tons	Decrease Tons
3	2	Coal —				
	3	Coke —				
	4	Patent Fuel —				
	5	Wood —				

Table I. —

Special and Miscellaneous Expenditure

ference to venue Account ble and in head	Sub-head	Details	2nd Half 1873 Total	2nd Half of 1874 Total	Increase	Decrease
			Rs.	Rs.	Rs.	Rs.
(G)	1	Law Charges —	32	376	344	
		Compensation —				
2	1	For goods lost or damaged —	42	77	35	
	2	" personal injury —				
	3	" other claims —				
3		Rates and Taxes —				
4		Interest on Revenue Balances —	1,854	390		1,464
		Contributions to Special Funds —				
5	1	Fire Insurance Fund —	5,000			
	2	Permanent Way Renewal Fund —				5,000
	3	Casualty Fund —				
		Total	6,928	843		6,085
		Less		Nil		
		Net Total	6,928	843		

Analysis of Carrying Cost.—
Table M I.

Definitions

The unit of passenger traffic is 1 passenger, plus free luggage.
" of carriages is 1 carriage
" of horses is 1 horse
" of Luggage is 1 ton
" of Post Office Vehicles is 1 "
" of goods is 1 "
" of cattle is 1 "

Approximate weight of units to be adopted in these calculations—

Coaching	Cwt. Tons
A 1st Class passenger with free luggage	1·75 or ·0875
A 2d class do do	1·75 or ·0875
A 3d class do do	1·25 or ·0625
A 4th class do do	1·25 or ·0625
A carriage (average for two and four wheeled)	6·75 or ·3375
Coaching (contd)	**Cwt. Tons**
A horse	8·75 or ·4375
A dog	0·20 or ·01
Goods—	
A head of horned cattle or a pony or horse	5·00 or ·25
A head of sheep, goat, &c.	0·50 or 0·25

Data for calculating the incidence of carrying cost per unit per mile for each class of Passenger Traffic, and for Goods, Cattle and Minerals.—

	Details	Total mileage of each description of rolling stock	Total mileage of units	Average contents in units of each vehicle: No.	Average contents in units of each vehicle: Weight in Tons	Average weight of rolling stock in Tons	Total average weight including contents of each vehicle in Tons	Proportion percent of freight to total weight	Ton-mileage of freight	Ton-mileage of dead weight	Total ton mileage including engines and tenders and brake-vans	Total ton mileage including engines and tender and brake-vans
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(k)	(l)
	Coaching—											
1	1st Class	55,295	69,296	1·253	0·110	7·279	7·389	1·484	6,068	402,492	408,555	
2	2d "	131,811	302,926	2·298	0·201	6·939	7·140	2·816	26,506	914,637	941,143	
3	3d "	952,977	[illegible]	26·908	1·681	5·656	7·336	22·919	1,601,025	5,553,079	7,204,104	
4	4th "	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	
5	Carriage trucks	4,789	6,599	1·378	0·465	5·060	5·525	8·417	2,227	24,233	26,460	
6	Horse-boxes	22,190	21,374	0·963	0·421	7·090	7·511	5·610	9,351	157,327	166,678	
7	Luggage Vans	108,424	19,868	"	0·183	6·110	6·293	2·912	19,868	662,470	682,338	
8	Post Office Vehicles											
9	Total	1,304,486	"	"	"	"	"	"	1,715,040	7,714,228	9,429,278	Nil
10	Passenger Engines and tenders	79,184				38·923				3,082,107		
11	" Brake-vans	27,106				6·110				165,618		
12	Total Coaching, ton mileage	"	"	"	"	"	"	"	1,715,040	10,961,965	"	12,677,005
	Goods—											
13	Goods vehicles	1,398,410	3,956,306		2·829	5·594	8·423	33·588	3,956,306	7,822,706	11,779,012	
14	Cattle Vans	1,809	1,165		0·644	6·112	6·756	9·532	1,165	11,056	12,221	
15	Mineral trucks											
16	Total	1,400,219	"	"	"	"	"	"	3,957,471	7,833,762	11,791,233	"
17	Goods engines and tenders	83,668				38·923				3,256,667		
18	" Brake Vans	6,348				5·250				33,327		
19	Total goods, ton mileage	"	"	"	"	"	"	"	3,957,471	11,123,756	"	15,081,22
	Miscellaneous (for Stores carried free on Revenue Account)											
20	For Traffic Department	1,528	866	"	0·567	6·097	6·664	8·505	866	9,316	10,182	"
20a	" Locomotive "	22,717	104,931	"	4·619	5·032	9·651	47·861	104,931	114,312	219,243	"
21	" Maintenance	10,290	16,674	"	1·620	5·133	6·753	23·995	16,674	52,818	69,492	"
22	Total	34,535	"	"	"	"	"	"	122,471	176,446	298,917	"
23	Engines and tenders	5,169				40·206				207,827		
24	Brake Vans											
25	For stores carried free in ordinary trains											
26	Total Miscellaneous, ton mileage								122,471	384,273	"	506,744
27	Total, ton mileage								5,794,982	22,469,994	"	28,264,976

End

Table M. II.

Division between Coaching and Goods of the expenditure of Departments.

Maintenance expences as per the Revenue Account —— Rs 61,034

Reduced by value of stores sold —— Rs 257

Rents of dwelling houses —— Rs 1,617 —— 1,874

Net amount Rs 59,160

Locomotive Expenses as per the Revenue Account —— Rs 136,733

Carriage and Wagon Expenses as per the Revenue Account —— 26,405

Traffic expenses as per the Revenue Account —— Rs 45,094

Reduced by stores sold —— Rs 1

mileage of vehicles over foreign lines —— Rs 6,016 —— 6,017

Net amount Rs 39,077

General Charges as per the Revenue Account —— Rs 27,263

Reduced by Telegraph receipts —— Rs 3,155

Fees on transfer of shares —— Rs 416 Rs 3,571

Net amount Rs 23,692

Special and Miscellaneous expences as per the Revenue Account Rs 842

Reduced by Sale of unclaimed and damaged goods —— Rs 41

Net amount Rs 801

Division of Expenses.

	Maintenance (a) Rs	Locomotive (b) Rs	Carriage and Wagon (c) Rs	Traffic (d) Rs	General (e) Rs	Special and Miscellaneous (f) Rs	Tot Rs
Expenses as reduced above ——	59,160	136,733	26,405	39,077	23,692	801	285,
Due to Coaching ——	27,018	66,484	9,337	18,847	11,520	389	133,
Due to Goods ——	32,142	70,249	17,068	20,230	12,172	412	15

Details		Coaching First class	Second class	Third class	Fourth class	Carriage trucks	Horse boxes	Luggage vans	Post office vehicles	Total	Goods Goods vehicles	Cattle vans	Mineral trucks	Total
		Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs
aintenance	(a)	1,170	2,697	29,642	nil	76	477	1,955		[illegible]	[illegible],109	33		32,142
comotive	(b)	2,881	6,636	50,795	"	186	1,175	4,84		66,484	70,176	73		70,249
rriage and Wagon	(c)	396	943	7,029	"	34	159	776		9,337	17,046	22		17,068
affic	(d)	799	1,904	14,187	"	69	321	1,567		18,847	20,204	26		20,230
eneral	(e)	488	1,164	8,672	"	42	196	958		11,520	12,156	[illegible]		12,172
ecial and Miscellaneous	(f)	17	39	293	"	1	7	32		389	411	1		412

Table No IV.

Classified cost of working over one mile a vehicle including its freight, also total cost of carrying over one mile a unit of each description of traffic.

Details	Coaching First Class	Second Class	Third class	Fourth Class	Carriage trucks	Horse boxes	Luggage vans	Post office vehicles	Goods Goods vehicles	Cattle vans	Mineral trucks
	Pies	Pies	Pies	Pies	Pies	Pies	Pies	Pies	Pies	Pies	Pies
Maintenance	4·066	3·929	4·036		3·047	4·127	3·462		4·409	3·580	
Locomotive	10·004	9·666	9·932		7·457	10·167	8·519		9·635	7·748	
Carriage and Wagon	1·375	1·374	1·374		1·362	1·376	1·374		2·340	2·235	
Traffic	2·774	2·773	2·774		2·766	2·777	2·775		2·774	2·459	
General	1·695	1·695	1·696		1·654	1·696	1·697		1·669	1·698	
Special and Miscellaneous	0·059	0·057	0·057		0·040	0·061	0·057		0·056	0·106	
Total	19·973	19·494	19·869		16·357	20·204	17·884		20·883	15·149	
Cost per unit	15·937	8·482	0·739		11·871	20·975	97·595		7·382	28·182	

Table No V.

23½

Statement showing in comparison the receipts and the carrying cost per vehicle per mile and per unit per mile of Coaching and Merchandize Traffic.

Details	Average receipt per vehicle per mile (a) Pies	Carrying cost per vehicle per mile (b) Pies	Profit per vehicle per mile (c) Pies	Loss per vehicle per mile (d) Pies	Average receipt per unit per mile (e) Pies	Carrying cost per unit per mile (f) Pies	Profit per unit per mile (g) Pies	Loss per unit per mile (h) Pies	Proportion per cent of profits to receipts (i)
Coaching—									
1st Class	14·030	19·973		5·943	11·195	15·937		4·742	
2d "	10·624	19·494		8·870	4·623	8·482		3·859	
3d "	51·012	19·869	31·143		1·896	0·739	1·157		61·02
4th "									
Carriages	30·848	16·357	14·491		22·387	11·871	10·516		46·97
Horses	13·449	20·204		6·756	13·962	20·975		7·018	
Luggage including parcels and dogs	14·914	17·884		2·970	81·392	97·595		16·203	
Post Office vehicles									
Goods—									
Merchandize including ~~Government~~ Government and Railway Materials	28·443	20·883	7·560		10·052	7·382	2·670		26·5
Cattle	21·977	15·149	3·828		34·125	28·182	5·943		17·4
Minerals									

Details	Coaching									Goods			
	First class	Second class	Third class	Fourth class	Carriage trucks	Horse boxes	Luggage vans	Post office vehicles	Total	Goods vehicles	Cattle vans	Mineral trucks	Total
	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs
aintenance ——— (a)	1,170	2,697	29,642	nil	76	477	1,955		[illegible]	[illegible],109	33		32,142
comotive ——— (b)	2,881	6,636	50,795	"	186	1,175	4,84		66,484	70,176	73		70,249
rriage and Wagon ——— (c)	396	943	7,029	"	34	159	776		9,337	17,046	22		17,068
affic ——— (d)	799	1,904	14,187	"	69	321	1,567		10,847	20,204	26		20,230
eneral ——— (e)	488	1,164	8,672	"	42	196	958		11,520	12,156	[illegible]		12,172
ecial and Miscellaneous (f)	17	39	293	"	1	7	32		389	411	1		412

Table M-IV.

Classified cost of working over one mile a vehicle including its freight, also total cost of carrying over one mile a unit of each description of traffic.—

Details	Coaching								Goods		
	First Class	Second Class	Third Class	Fourth Class	Carriage trucks	Horse boxes	Luggage vans	Post Office vehicles	Goods vehicles	Cattle vans	Mineral trucks
	Pies	Pies	Pies	Pies	Pies	Pies	Pies	Pies	Pies	Pies	Pies
Maintenance ———	4.066	3.929	4.036		3.047	4.127	3.462		4.409	3.500	
Locomotive ———	10 004	9.666	9.932		7.457	10 167	8.519		9.635	7.748	
Carriage and Wagon ———	1.375	1.374	1.374		1.362	1.376	1.374		2.340	2.235	
Traffic ———	2.774	2.773	2.774		2.766	2.777	2.775		2.774	2.459	
General ———	1.695	1.695	1.696		1.654	1.696	1.697		1.669	1.698	
Special and Miscellaneous	0.059	0.057	0.057		0.040	0.061	0.057		0.056	0.106	
Total	19.973	19.494	19.869		16.357	20.204	17.884		20.883	18.149	
Cost per unit	15.937	8.482	0.739		11.871	20.975	97.595		7.382	28.182	

23½

Table M-V.

Statement showing in comparison the receipts and the carrying cost per vehicle per mile and per unit per mile of Coaching and Merchandize Traffic—

Details	Average receipt per vehicle per mile (a) Pies	Carrying cost per vehicle per mile (b) Pies	Profit per vehicle per mile (c) Pies	Loss per vehicle per mile (d) Pies	Average receipt per unit per mile (e) Pies	Carrying cost per unit per mile (f) Pies	Profit per unit per mile (g) Pies	Loss per unit per mile (h) Pies	Proportion per cent of profits to receipts (i)
Coaching—									
1st Class ———	14.030	19.973		5.943	11.195	15.937		4.742	
2nd ———	10.624	19.494		8.870	4.623	8.482		3.859	
3rd ———	51.012	19.869	31.143		1.896	0.739	1.157		61.02
4th ———									
Carriages ———	30.848	16.357	14.491		22.387	11.871	10.516		46.97
Horses ———	13.449	20.204		6.755	13.962	20.975		7.018	
Luggage including parcels and dogs ———	14.914	17.884		2.970	81.392	97.595		16.203	
Post Office vehicles ———									
Goods—									
Merchandize including Government and Railway Materials	28.443	20.883	7.560		10.052	7.382	2.670		26.5
Cattle ———	21.977	18.149	3.828		34.125	28.182	5.943		17.4
Minerals ———									

PWGO-6 November/75
No 165

PW. 7073

6th November [illegible]

With order

RAILWAY DEPARTMENT

CONSULTING ENGINEER'S OFFICE
Madras, 2nd November 1875.

No. 593.

From
LIEUT.-COLONEL J. H. M. SHAW-STEWART, R.E.,
Consulting Engineer for Railways,

To
MAJOR-GENERAL G. W. WALKER, R.E.,
Secretary to Government,
Public Works Department,
Fort Saint George.

SIR,

With reference to the Order of Government under date 25th October 1875, No. 157, I have the honour to submit the Review of the Revenue Account of the South Indian Railway for the second half of 1874.

This has been prepared in accordance with the revised form, and endeavours have been made to render the information as complete as possible. Owing to the amalgamation of the figures for the late Great Southern and Carnatic Railways, the results differ somewhat from previous reviews in which the former line was alone dealt with.

3. The following points call for remarks:-

Table A I. The gauge of the line is entered as 3'.3 3/8, though the sections worked during the half year under review were from Negapatam to Erode Junction, 167 miles of the 5'.6" gauge, and from Arconum to Conjeveram, 18 miles of the 3'.6" gauge.

Table E I.5. The sum of the train mileages claimed by the different classes of engines does not correspond with the total, as the latter, in accordance with the latest instructions of the Government of India, includes mileage run for the locomotive and other departments. The Agent has been requested to include the miscellaneous mileage run by the different classes in future returns.

Table C I. The information here is not so complete as could be wished but endeavours will be made to perfect it in succeeding reviews. The average mileage of carriage stock does not fairly represent the work done on Negapatam-Erode section, as the mileage run by

(?) With order

[illegible] 23-11-15

by the 3'.6" stock is very small, while the numbers included in column C are comparatively large.

4. As several errors have occurred in printing former reviews, I beg to suggest that the proof be sent to this office for examination before copies are struck off. In the mass of figures errors are occasionally made, which escape notice until the reviews are received in this office.

I have the honour to be
Sir
Your Most obedt Servt.
C. H. Smith Major R.E.

PW: 1875 Dept
RAILWAY DEPARTMENT.
No 70/

From
The Consulting Engineer
for Railways,

To
The Secretary to Government,
P W Department,
Fort Saint George

Dated 2 }
Recd 4th } November 1875.

No 593.

Subm
Review of the Reve
Account of the Sou
Indian Railw
for the half yea
ended 31st Dece
1874
With order

891—591

No 3172 6 Nov/75

Ordered that these papers be forwarded to the Govt of India.

The Supdt of the Govt Press will attend to the request made in para 4 of the Consulting Engineer's letter.

(H. C. No 3173 dd 6 Nov/75

C. E. for Rys —2)
to Govt Press- 2 Copy of the above forwarded to the Govt of India.

28 copies of the Review to the Con Engr for Rys
7 to the Go. S. of India
despd 25-11-75

[illegible] of 1875 [illegible]
PUBLIC WORKS.

[illegible] Engr for Rys of India [illegible]

[illegible] 1875, No. 31-2 3173

Nos. [illegible]

[illegible] Account [illegible] that the [illegible] the half year [illegible] December 1874 [illegible] the first half [illegible]

Proceedings of the Madras Government, Public Works Department,
6th November 1875.

No. 169 From C A LAWSON, Esq, Editor of the *Madras Mail*, to Major-General G W WALKER, R E, Secretary to Government, Public Works Department, dated Madras, 23rd October 1875 —

"I HAVE the honor to acknowledge receipt to-day of the Proceedings, Madras Government, Department of Public Works, 13th instant, containing a letter to you from Captain Skipwith, R E, the Assistant Secretary to the Government of India, relative to my suggestion for a revision of the existing rules for press telegrams

2 I observe with surprise that, in the opinion of the Governor-General in Council, the "Director-General would have been fully justified if he had withdrawn the privilege" of receiving press telegrams from this journal, simply because I demurred, pending the consideration of my representation on the subject, to pay what I considered, and the Director-General has admitted, was an unjust charge I conceive that the Government of India framed the existing rules for press telegrams not with a view to oblige Newspaper Proprietors or Editors, but *pro bono publico* The *Madras Mail*, with a circulation of 1,694 copies, is now one of the most considerable papers in the country, and it seems to me a harsh proceeding to desire to place such a journal at a disadvantage as compared with other journals in the matter of telegraphic news for no stronger reason than that I have, on public grounds, represented some flaws, in my opinion, in the existing rules for press telegrams

3 Moreover, the Government of India do not appear to have borne in mind the exact nature of those rules Captain Skipwith observes that by refusing to pay the difference between the "ordinary" and "press" rates on the telegram in question (which I made no use of), I failed to fulfil my part of the contract, but it has escaped his notice that the Telegraph Department had already failed to complete its part of the contract According to No 1 of the Rules, it is stated that to render a message eligible for acceptance as a press message, it "must be one of manifestly public interest," yet in the instance referred to the message contained an inquiry as to whether a statement that a certain newspaper was for sale was libellous This message was of no public interest on the face of it, yet the signaller received it as though it were so This, therefore, was an unintentional breach of contract on the part of the department for which I was not responsible Under Rule 4 the Director-General is vested with the power of "withdrawing the concession should he have reason to believe that the conditions are in any way infringed" In what way, I beg to ask, have I infringed the conditions? I have undertaken to publish messages "of manifestly public interest" transmitted to me for publication at press rates, or to pay the difference thereon between press and ordinary rates The department forwards a message that is manifestly not of public interest as a press telegram, and this message I do not publish Surely this is no infringement on my part of the conditions Yet the Governor-General in Council considers that the Director-General would have been fully justified if he had punished this journal for an offence of which it is innocent

4 The concession referred to being a valuable one, fruitful of revenue to the Government, and of news to the Government and the public, I have no wish to forfeit it, and it appears to me that the thanks rather than the implied censure of the Government are due to me for pointing out where the rules regulating that concession are susceptible of easy amendment It is stated in Rule 5 that "these rules are experimental only, and are liable to revision or cancellation at any time after ten days' notice,"