

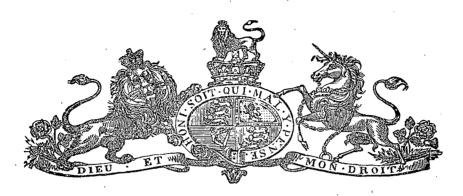
1887.

#### PARLIAMENT OF TASMANIA.

# TASMANIAN GOVERNMENT RAILWAYS:

GENERAL MANAGER'S REPORT FOR 1886.

Presented to both Houses of Parliament by His Excellency's Command.



#### TASMANIAN GOVERNMENT RAILWAYS.

General Manager's Office, Launceston, 6th July, 1887.

STR.

I have the honor to submit my Report on working of the Tasmanian Government Railways for 1886.

#### Capital Account.

The expenditure under this head during the year 1886 was £226,110 10s. 4d., the aggregate expenditure being £1,148,585 12s. 8d.; particulars of expenditure during 1886 being shown in Table No. 2, and of total expenditure in General Balance Sheet (Table No. 1).

#### Revenue Account.

The Revenue from all sources for the year 1886 amounts to £45,924 6s. 10d., which is an increase compared with the preceding year of £9505 12s. 7d.; the number of miles open having increased from  $86\frac{1}{2}$  in 1885 to 133 during 1886.

The following table gives the usual comparative details:-

		18	85	•		14	386	5.	II	VCREA	SE.	DECR	EA	SE.
	Amo	unt.	-	Per Average Mile open (69:594).	Amor	unt.	•	Per Average Mile open (106).	Amor	unt.	Per cent.	Ame	oun	 t.
Passengers	£ 17,138 1409 10,896 2516 4457	6 6 19	d. 0 5 2 8	£	£ 22,456 1720 15,051 2287 4407	17 19	d. 6 1 5 10 0	£	£ 5317 811 4155	11 3	£	£ 228 50	19	d.
	36,418			523.3	45,924	-		433.2	9784	12 5 19 10		278		

#### . Passengers.

The increase in passenger traffic is very marked on the Western Line, there having been an increase of 23,785 passengers.

During the year reductions have been made in Saturday fares; a system of cheap Excursion Trains has also been inaugurated. These have been well patronised by all classes of the community.

#### Comparative Statement of Passenger Traffic.

		1885.	1886.	INCREASE.	DECREASE.
Total miles travelled	No. No. No. No. Pence.	2,955,118 18-62 48,117 106,317 4289 158,723 1·39 2 1·9	3,968,074 20·47 58,153 126,394 9282 193,829 1·36 2 3·80	1,012,961 · 1·85 10,036 20,077 4993 35,106 — 0 2·61	.03

The following are the relative distances travelled during the year:—

Passengers.	PER CENT. OF TOTAL.	Travelled.	Passengers.	PER CENT. OF TOTAL.	Travelled.				
50,322 34,207 30,673 23,952 12,553 10,028 6725 6197 5683	25.96 17.65 15.82 12.36 6.48 5.17 3.47 3.20 2.91	1 to 5 miles. 16 ,, 20 ,, 6 ,, 10 ,, 11 ,, 15 ,, 31 ,, 35 ,, 41 ,, 45 ,, 26 ,, 30 ,, 21 ,, 25 ,, 71 ,, 75 ,,	5487 2122 1851 1416 1091 837 622 113	2·83 1·09 0·96 0·73 0·56 0·43 0·32 0·06	81 to 85 miles. 46 ,, 50 ,, 36 ,, 40 ,, 66 ,, 70 ,, 61 ,, 65 ,, 55 ,, 60 ,, 76 ,, 80 ,,				

The following Table shows the number of Passengers booked at the different Stations during 1886, as compared with 1885:—

STATIONS WHERE BOOKED.	No. of P.	ASSENGERS.	T	Decrease.
STATIONS WHERE BOOKED.	1885,	1886.	Increase.	DECREASE.
Western Line—				
	43,314	44,517	1203	
LauncestonSt. Leonard's	13,909	13,268	1200	641
Evandale Junction	12,999	13,468	469	J 211
Perth.	8728	9702	974	
Longford	19,399		2264	
Bishopsbourne	3760	21,663	233	_
Hagley	3799	3993	200	405
Westbury	9799 9710	3394	1273	400
Exton		10,983		_
	3035	3153	118	
Deloraine	15,898	12,950		2948
*Chudleigh Road	952	2241	1289	_
*Dunorlan	984	3201	2217	_
*Whitefoord Hills	599	<b>7</b> 56	157	_
*Railton	3295	<b>7</b> 666	4371	_
*Latrobe	6605	13,137	6532	_
*Formby	3902	10,581	6679	
Total Western Line	150,888	174,673	27,779	3994
	1		3994	
			23,785	•
Parattah and Oatlands Line	7835	13,535	5700	
Fingal Line—				
St. Mary's		936	936	_
Fingal	_	1071	1 930 1 1071	
Avoca	-		466	
Corners		466	1064	_
	- 1	1064		_
Flag Stations		2084	2084	
Total Fingal Line	ĺ	5621	5621	
Total	158,723	193,829	85,106	

<sup>•</sup> Opened for traffic for 7 months only in 1885. † Opened for traffic for 8 months only in 1885. ‡ Opened for traffic for 5 months only in 1886.

The total number of Passengers carried to the end of 1886 was 1,721,699, who travelled an aggregate distance of 31,437,289 miles.

#### Goods Traffic.

The increase in goods tonnage on the Western Line during 1886, as compared with 1885, was 6363 tons, of which increase 6037 tons consisted of grain and other produce.

The following is a comparative table of goods tonnage on the Western Line:-

	1885.	1886.	INCREASE.
Grain, Produce, &c	10,013 18,663	16,050 18,989	6037 326
·	28,676	35,039	6363

6086 tons of goods, &c. were carried on the Fingal Line, and 1536 tons on the Parattah and Oatlands Line, during 1886.

The following is a comparative statement of goods traffic on all lines for the years 1885 and 1886:—

		1885.	1886.	INCREASE.	DECREASE.
Tonnage	Tons. Miles. s. d. d. £ s. d.	29,329 29·39 6 7·72 2·71 9742 0 9	42,661 28.77 6 5.45 2.69 13,768 2 5	13,332   4026 1 8	0.62 0 2.27 0.02

#### Working Expenses.

A marked decrease in the working expenses is shown in Return No. 12.

The cost per mile worked, as compared with 1885, shows a reduction of £49.9 per mile, and per train mile of 4.7d.; the cost, both per mile open and per train mile, being lower than on almost any colonial railway, as will be seen by the following comparative statement:—

	Year.	Per Mile open.	Per T	rain Mile.	Percentage of Working Expenses to Gross Earnings.
Cape of Good Hope Victoria New South Wales Queensland South Australia New Zealand Tasmanian Main Line Railway Tasmanian Government Railways	1885-6 1884 1885 1885-6	£ 404 775·12 877 296·2 383 447·04 517·54 357·6	5 3 4 3 4 4	d. 1·5 7·34 4·72 3·14 0·18 6·85 2 4·6	61·7 56·26 67·06 52·41 61·26 65·91 99·83 82·56

#### General.

It will be observed that, of the increase in the revenue of the year (£9055), more than half, viz., £5317, is derived from passenger traffic; the increase in the number of passengers carried being 35,106.

The increased receipts from goods traffic amount to £4155, and the increase in tons carried is 13,332 tons.

During the year a new tariff was issued. Representations having been made to the Government that the rates for produce were somewhat high, it was decided to reduce the rates on an average by 10 per cent. The effect of this is shown in the goods receipts, which have not increased in proportion to the increased tonnage.

When the new tariff was brought into force, the private rates and concessions, of which a considerable number were in operation, were abolished; amongst others certain storekeepers had been granted a very low rate for the conveyance of merchandise of all descriptions, whilst farmers and others had to pay more than twice as much for the same service. Considerable outcry was raised

by those interested against the abolition of these concessions, and against the new tariff generally, but in the end both the public and the revenue have benefited by the alteration.

The Fingal Line, 47 miles in length, was opened for traffic on the 2nd August. I regret to say that the traffic on this line has been exceedingly unremunerative.

In the future the extension of our railway system will probably lead to a marked falling off in our receipts per mile, as a large portion of the districts traversed by the lines will yield no return.

I anticipate during the next year that on the Western Line we shall have a satisfactory increase in our passenger revenue, owing to the increasing popularity of our Saturday and holiday arrangements. In goods traffic I anticipate an increase in tonnage carried, but owing to the large reductions in rates, it is improbable that the revenue from this source of traffic will be largely augmented.

Whilst our working expenses have fallen to a satisfactory rate, both per mile open and per train mile, I am constrained to observe that there is a probability of an increase in this direction on new lines.

During the year a large amount of construction work has been performed by the maintenance staff.

Inconvenience and irritation would be prevented if station accommodation were handed over in a more completed form in future.

The economical construction of the railways has necessitated steep grades on most of the lines, which will militate against a profitable working should the traffic increase as anticipated.

One station, Whitefoord Hills, has been closed pending arrangements for the necessary alteration for its safe working. Facing-points at this station were on a grade of one in fifty.

It is anticipated that during the coming year such arrangements will be made for alterations to platforms and for a check on tickets as will enable the objectionable practice of locking carriage doors to be done away with.

Native coal has been used on some of our locomotives. The use of this coal will no doubt increase when the contract for New South Wales coal has run out, as the native coal, although inferior to Newcastle, can be used on our lines, provided the present quality is maintained, and the mines can supply it at a reasonable price.

I am pleased to be able to report that no accident has occurred to any of the large number of passengers carried.

The conduct of the staff has been very satisfactory.

The rolling stock has been maintained in a high state of efficiency, and the lines have been kept in a good state of repair.

Considerable renewals will be required on the Launceston and Deloraine section, both to buildings and bridges.

It is to be hoped that the broad gauge will be shortly converted; this will reduce our maintenance expenses, and enable many repairs to be effected at a comparatively low cost.

I append the usual Reports from the Locomotive Superintendent and the Engineer in charge of Permanent Way.

I have, &c.

FRED. BACK, General Manager.

The Hon. the Minister of Lands and Works, Hobart.

Tasmanian Government Railways, Permanent Way Office, Launceston, January, 1887.

SIR,

I HAVE the honor to report on the maintenance of existing Tasmanian Government Railways for 1886.

The broad gauge road, now over seventeen years old, has been maintained in a safe running condition, but, in view of its early abolition, the expenditure on renewals has been strictly confined to that object.

When narrow-gauging this section it will therefore be necessary to provide a liberal supply of all permanent way material, viz., timber, sleepers, &c., to bring up the condition, and make provision for the increase of business developed by extensions, by adding to station accommodation.

This to some extent has been compulsory already, and extra platforms, sidings, &c. have been constructed by the maintenance staff.

The buildings and timber works generally are in a fair state of preservation, but the renewals demanded are still heavy, and it again occurs to me to recommend the substitution of a more substantial material in renewing bridges, platforms, flood-openings, and other similar works.

Five hundred (500) tons of 60 lb. rails and fastenings are daily expected, with which it is proposed to pair with the Tasmanian Main Line Railway Company's 60 lb. third rail between Launceston and Evandale Junction forming the 3 ft. 6 in. road, thus providing sufficient old rails to maintain the broad gauge during its limited term of existence.

The cost of maintaining a mixed gauge, independent of every other reason that might be brought to bear upon this subject, should be a very strong consideration to determine the early abolition of the broad gauge.

I am happy to be able to state that the heavy earthworks in the vicinity of Evandale Junction, so long a continuous drain upon the Department, have now comparatively ceased to move, and are maintained at a trifling amount over what might be considered an ordinary estimate.

The Mersey extension (Deloraine to Formby) has been kept in fair running condition; but the ballast in many places is very scarce, and the formation so extremely soft, that it is necessary to exercise great care to retain that condition under the present rate of speed.

Two hundred Pounds (£200) was expended on No. 2 section, strengthening and making up banks, otherwise the speed could not have been maintained. To render this section thoroughly safe and secure, the balance of my estimate given to do so—viz., £400—will have to be expended, and which, I trust, will not be refused.

A ballast-pit should certainly be secured, and large quantities of ballast run out as soon as winter breaks.

Up to the present the low estimate granted has not been exceeded for maintenance; but, for the reason given, must slightly be so on one or two sections during the wettest time of the year, to retain the character of the road.

The station yards on this extension were very imperfectly finished, and the provision made for the economical handling of the traffic is quite inadequate. It will therefore be necessary to provide for making up approaches, platforms, siding accommodation, and general station improvements.

The Parattah and Oatlands branch has been maintained at a cost above the original estimate, but as economically as the weak character of the permanent way will permit. Renewals are daily demanded, and kept up from the old stock left on Mersey Tramway. Every endeavour is made to reduce the expenses to a minimum; but with safety as a primary object, no reduction can be made on what may be considered a comparatively high estimate. I would respectfully suggest the relaying of the section with a 30 or 40 lb. flange rail, as the only plan to effect a reduction and ensure safety.

The Fingal Branch, from the Corners to St. Mary's, 47 miles, was formally opened for traffic on the 29th June, and the maintenance service conducted by the Department on the 1st December. During the month an efficient staff has been organized and equipped for this service, and a fair running condition exists; but, as a new work, and the development of traffic must necessitate additional facilities, estimates for improvements should meet with liberality.

Many of the earthworks have been constructed and topped up with very sandy loose material, unprotected by any sowing of grasses as is usual, and which I fear will be troublesome during the winter. The ballast is also very scarce on works still subsiding, and must receive attention during next year.

A small quantity—viz. 100 tons—of 40 lb. rails has been ordered for the requirements of this and the Mersey extension, as no stocks were left by Construction Department.

On this section, also, an expenditure is positively necessary for station improvements and accommodation; roadsides require platforms, shelter sheds for passengers, and in some outlying sections

quarters for platelayers, both for protective purposes, economical working, and inspection. Interest on cost would be covered by charging a small rental, and the advantages to the Department would be considerable.

At present some of the staff are camping out, as it is impossible to rent quarters. This is not conducive to secure the services of desirable men.

I am happy to be able to report that the character of the permanent way and works as constructed is safely and efficiently maintained, and will be materially strengthened and improved should the requirements, as shown to be so much needed, be granted without reserve.

I am, &c.

LEONARD DOWLING.

The General Manager, Launceston.

Tasmanian Government Railways,
Locomotive and Carriage and Wagon Department, Launceston, January, 1887.

SIR.

I HAVE the honor to report that the rolling stock, locomotives, buildings, machinery, signals, pumps, and water supply in connection with this Department have been well maintained during the year ending 31st December, 1886.

The locomotive engine mileage on all lines, including shunting, for the twelve months was 246,269 miles.

During the year the engines and rolling stock for the Fingal and Derwent Valley lines were landed, brought round from the Queen's Wharf, and erected.

The former line was opened on 29th June, and the rolling stock has been working satisfactorily since.

New signals were erected on the Fingal line, and new turntable and water-tank at St. Mary's; also new water-tank, pump, &c. at Stony Creek.

I must again draw attention to the great want of shelter-sheds for carriages on the various lines, as the stock is now standing out in all weather, and deteriorating in consequence.

It is also necessary to provide another engine running shed in the Launceston yard.

The engine and stone-crushers for the Public Works, and the diamond bits for the Mines Department, have been repaired by this Department during the year.

I have, &c.

W. E. BATCHELOR.

F. BACK, Esq., Manager.

original Debenture Capital, raised under Act 31 Vict. No. 9	00,000 0	d. £ s. 0 0	d. £ s.	d.		Constru Expend		Unexpended Construction Balances.		renue nditure.		Net renue.	
Share Capital (L. &. W. Railway Co.)	.,	400,000 50,000		0	By Western Railway prior to	£	s. d.	£ s. d.	£	s. d	. £	. s. d	_
Accrued Interest, Premiums, &c. (L. & W. Railway Co.)			12,015 4		transfer to Government Ditto including Extension	413,704	8 4	•••					
Amounts raised by Debentures for Construc-	,	•••	12,010 4	1	since transfer	248,907	19 10	55,992 14 2	307,41	8 15	74,09	1 12 5	2
tion purposes under Act 36 Vict. No. 4	. • • •	12,000			Parattah and Oatlands Railway	11,386		´	'		′		1
Ditto 44 Vict. No. 34		5000	0 0		Fingal ditto	173,951	8 7		/		1	•	1
Ditto 46 Vict. No. 45	• • •		0 0		Derwent Valley ditto	125,907		14,092 12 5	.		1		
Ditto 47 Vict. No. 47	• • •	617,000			Launceston and Scottsdale ditto			150,572 12 9	,		}		} .
Ditto 49 Vict. No. 54	• • • •	408,800			Green Ponds ditto			112,484 6 8					
Lessons amondo de la companie de la			1,146,200 O	0	Sorell ditto			58,358 8 3			1	_	
Amount expended in excess of amount raised			05.005.11	7.0	Chudleigh ditto		7 4	36,238 12 8			ĺ		
by Debentures	•••	•••	25,337 11	10.	Timber for Rolling Stock Rail-	9219	2 2	15,780 17 10	!				
Construction purposes			15,126 18	0	ways generally		3 5	256 16 7					İ
Ditto for payment of Interest		•••	531,240 0		Machinery Shop Extension, &c.		0 0	200 10	Į.		- [		1
Railway Income		•••	381,510 7		ditto		15 8	3198 4 4	.				
tores transferred to Government by the Launceston and Western Railway Com-		•	,-		Supplementary Rolling Stock, ditto	11,118		6881 10 10	1				
pany			1762 15	3				ļ	-		_		_
						1,148,585	12 8	453,856 16 0	307,41	8 15	1 74,09	1 12 5	2 1,983,952 16
•							_	<u> </u>	<del></del>				-
			•		Interest.								1
				- 1	Amount prior to tra	ınsfer			•••••		48,000	0 0	
				i	Amount paid on De	bentures r	nder 31	Vict. No. 9					
				- 1	Ditto 33 Vict.	No. 38	• • • • • • • • •		• • • • • • • • • • • • • • • • • • • •		99,000		
				- 1	Ditto 36 Vict.	No. 4	• • • • • • • •		• • • • • • • • • • • • • • • • • • • •	•••••	8400		
• .								••••••			800		1
								•••••			16,000		1
		•		- 1	Ditto 47 Vict.	No. 54	•••••				74,040	0 0	
					13110 48 A1GP	110, 04,,.	,						579,240 0
			£2,563,192 16	_									
			4:2.563 (U) 16	- 5									3 2,563,192 16

No. 2.

TASMANIAN GOVERNMENT RAILWAYS.

STATEMENT of Expenditure on Works of Construction during the year 1886.

	Amount.	TOTAL.
Western Railway— Third Rail, &c. Siding from Mersey and Deloraine Railway, Latrobe, to Wharf Ditto to Wharf, Formby Water Supply, Formby Extension of Line to Coal Wharf, Launceston Mersey and Deloraine Extension Leven Extension Urgent works  Parattah and Oatlands Railway Fingal Railway Rolling Stock for Fingal Coal  Derwent Valley Railway Launceston and Scottsdale Railway Green Ponds Line Sorell ditto Chudleigh ditto Shop Extension, and Machinery for Railways generally. Supplementary Rolling Stock ditto. Timber for Rolling Stock	649 18 10 701 5 0 746 10 10 2 13 10 1109 6 1 651 8 5 528 11 7 62,808 12 11 9202 14 10	£ s. d.  4599 2 2 1196 6 2  72,011 7 9 54,833 17 2 78,026 11 1 515 13 4 341 11 9 61 7 4 2301 15 8 11,118 9 2 1163 18 9

#### TASMANIAN GOVERNMENT RAILWAYS.

#### STATEMENT of RECEIPTS and EXPENDITURE for the Year 1886.

Train Mileage: Western Line—Goods and Passengers, 169,393; Ballasting, 9352; Total, 178,745; Tasmanian Main Line Railway—Train Mileage between Launceston and Evandale Junction, 21,098; Parattah and Oatlands Line—Goods and Passengers, 12,852; Ballasting, Nil.; Total, 12,852; Fingal Line—Goods and Passengers, 17,755; Ballasting, Nil.; Total, 17,755. Grand Total, 230,450. Mean Train Mileage, 224,143. Engine Mileage, 246,269.

EXPENDITURE.				RECEIPT	rs.			
	Train Mileage.	Train	Cost per Mile open.		Amount.	TOTAL.	Per Trair Mile.	Per Mile open.
Working Expenses.		s. d.	£		£ s. d.	£ 8. (	l. s. d.	£
Locomotive and Carriage and Wagon charges   11,862 16 2   Traffic charges   7869 15 11   Gatekeepers, &c.   635 16 11   General charges   1809 9 10   Mails, &c.   431 3 5	230,450 209,352 230,450 230,450 224,143	0 8.8	111·9 80·2 21·1	Passengers—193,829, at 2s. 3.80d. average rate per passenger.  Parcels, Horses, Carriages, and Dogs.  Goods, &c., 42,661 tons, at 3s. 5.45d. average rate per ton Live Stock	22,456 4 6 1720 15 1 13,768 2 5	39,228 17	0	
Balance to Credit of Railway Income				Rents, Mails, &c	4407 10 0	6695 9 10	<b>_</b>	433·2b

a Mean Train Mileage.

W. H. LOVETT, Accountant.

<sup>&</sup>lt;sup>b</sup> Average miles open per year, 106.

# TASMANIAN GOVERNMENT RAILWAYS. WESTERN, AND PARATTAH AND OATLANDS LINES.

ANALYSIS of Traffic and Traffic Receipts, 1886.

			TRA	FFIC ANI	O RECEIPTS	S AT EACH	STATION.	<u> </u>	<del></del>	,		<del></del>	
STATIONS.		NGERS.	GOODS TO				RECEIPTS.	<del></del>		RECEIP'	rs dur:	ING EACH	MONTH.
	Outwards.	Inwards.	Outwards.	Inwards.	Passengers.	Parcels, &c.	Goods and Live Stock.	Mails, Rents, Tolls, &c.	TOTAL.	Month.	Working Days.	Relative value of each Month.	Amount.
Western Line. Launceston. Hobler's Bridge. St. Leonard's Breadalbane Evandale Junction. Perth Longford Wilmore's Lane. Little Hampton. Bishopsbourne Oaks Glenore Hagley Westbury Exton Deloraine C'hudleigh Road Dunorlan Whitefoord Hills Kimberley Railton Latrobe Tarleton Spreyton. Formby Mails, Rents, and sundry Receipts Tolls, &c. (T.M.L.R)  Total Western Line  Parattah and Oatlands Line	13,268 13,468 9702 21,663 3993 3394 10,983 3153 12,950 2241 3201 756 7666 13,137	56;160 39 11,193 2596 6608 5182 18,222 1044 1453 1793 3392 2409 2061 6850 1493 13,044 1154 1135 1092 870 4191 13,311 495 1913 8470 8503  174,673	5486 25 168 726 369 3187 2083 935 893 1681 3953 644 6292 1423 718 302 9 3770 2013 24 23 315 35,039 1535	17,100 83 128 1068 634 3662 777 176 265 474 1486 105 1593 204 127 32 6 764 1444 19 25 4867 35,039	£ s. d.  5839 8 1  402 13 9   1179 1 4  587 3 8  1914 9 6  340 7 9   335 9 6  1200 16 9  262 1 9  286 14 9  234 11 10  269 10 0  85 0 1   2270 5 2  588 13 8   20,930 5 10	419 18 11 10 19 2 61 12 10 34 9 10 142 11 2 41 4 0 0 3 0 29 4 11 82 15 8 12 18 11 211 1 1 18 10 3 15 0 0 4 0 0 70 2 3 217 9 2 161 11 8 27 10 0	50 5 2  666 2 8  230 4 7 1133 3 6  152 10 4  22 7 1  279 11 1 697 4 0 95 5 11 1248 12 0 268 3 8 76 97 25 17 1  563 15 0 783 19 7  973 1 7	0 1 0  16 8 8 22 5 8 12 9 1  0 3 0   0 5 6 40 10 10 0 0 6 48 0 5 0 1 6 0 1 0 2 0 0   7 5 9 4 19 5   74 16 10  1837 11 6 4407 10 0  6630 8 11	1923 15 6 874 3 9 3202 13 3 534 5 1 22 10 1 644 11 0 2021 7 3 370 7 1 3794 8 6 521 7 3 361 0 7 116 17 2 1468 13 5 3312 16 0 3479 15 3	January February March April May June July August September November December	26 24 27 26 26 26 26 26 26 27 26 26 27	8·6 7·8 11·1 11·2 9·7 7·8 7·4 6·1 7·2 8·2 6·7 8·2	£ s. d.  3708 9 11  3367 6 2  4754 15 6  4814 1 2  4161 19 8  3346 15 8  3181 14 5  2632 5 9  3098 19 7  3531 16 8  2891 5 10  3521 7 8
Total	188,208	188,208	36,574	36,574	21,378 16 6	1624 5 1	13,365 14 2	6642 2 3	43,010 18 0		313	100.0	43,010 18 0

W. H. LOVETT, Accountant.

FRED. BACK, General Manager.

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No. 5.

TASMANIAN GOVERNMENT RAILWAYS
FINGAL LINE.

ANALYSIS of Traffic and Traffic Receipts, Five Months ending 31st December, 1886.

•		_	TRAF	FIC AND	RECEIPT	S AT EACH	H STATION.			RECEIPT	פ הווס	i NG EACH	MONMIT
STATIONS.	PASSE	NGERS.	GOODS T	ONNAGE.			RECEIPTS.			RECEIPI	s Dun	ING EACH	MONTH.
,	Outwards.	Inwards.	Outwards.	Inwards.	Passengers.	Parcels, &c.	Goods and Live Stock.	Mails, Rents, &c.	TOTAL.	Month.	Working Days.	Relative value of cach Month.	Amount.
forners tony Creek Ianleth astbourne voca rmley ullochgorum ingal It. Nicholas ullenswood t. Mary's lag-stations & excess tickets Iails, &c.	466 * 1071	1510 84 * * 463 * * 830 * * 650 2084	1017 104 7  162 19 31 1002 667 2562 515 	3452 131 2  385 68 14 534 75 590 835 	£ s. d. 885 4 0  60 14 10  194 13 7  436 15 7	Cr. 32 13 8		£ s. d 0 3 0 2 6 3 50 18 4	£ s. d. 868 6 11 188 16 10 746 18 1 1058 8 8 50 18 4	August September October November December		14·7 17·3 22·1 21·7 24·2	£ s. d.  427 4 5 504 12 6 642 11 6 631 17 707 2
Total	5621	5621	6086	6086	1077 8 0	96 10 0	1686 3 3	53 7 7	2913 8 10		131	100	£2913 8 1

<sup>\*</sup> Included in flag-stations and excess tickets.

W. H. LOVETT, Accountant.

No. 6.
TASMANIAN GOVERNMENT RAILWAYS.

ANALYSIS of Working Expenses, 1886.

	Salari Wa	es d iges.		Store Rene			Sun	drie	8.	Тот	AL.	
Maintenance of Permanent Way Locomotive, Carriage, and Wagon Charges. Traffic Charges Gates, &c. General Charges Mails.—Contracts for delivery of mails between the several Railway Stations and Post Offices	10,009 7230 5900 617 1457	18 15 2 19	8 10 8 6 6	114	6 10 14 19	2 8 2 5 11	67 76	12 10 10  10	5	£ 15,308 11,862 7869 635 1809 431 37,917	16 15 16 9	6 2 11 11 10 5

FRED. BACK, General Manager.

W. H. LOVETT, Accountant.

No. 7.
TASMANIAN GOVERNMENT RAILWAYS.

FURTHER Analysis of Stores consumed during the Year 1886.

Fuel—Coal, 2175 tons; firewood, 809 tons; coke, 12 loads	£ 2715		
oils. 335 galls.	622	3	3
oils, 335 galls.  Tallow, &c.—Tallow, 646 lbs.; grease, 338 lbs.	16	15	10
Packing, &c.—Tuck's packing, 212 lbs.; flax, 76 lbs.; waste, 4332 lbs	121	16	9
Paints and varnish.	59	14	2
Stationery and advertisements	894	9	5
Timber	276	10	10
Iron	664	5	4
Tools	514	10	10
Ordinary sundries	1141	11	2
Extra sundries	200	15	10 ·
Duplicates	3	18	7
Renewals	4273	7	4
$oldsymbol{arepsilon}_{oldsymbol{\cdot}}$	11,505	18	4

FRED. BACK, General Manager.

W. H. LOVETT, Accountant.

No. 8.

WESTERN RAILWAY.

DIRECTION and Extent of Goods Traffic for the Year 1886.

				<del></del>						II	WARD!	SAT		· ·							;		OUTW	ARDS	FROM
OUTWARDS FROM	Launceston.	St. Leonard's.	Breadalbane.	Evandale Junction.	Perth.	Longford	Bishopsbeurne.	Oaks.	Glenore.	Hagley.	Westbury.	Exton.	Deloraine.	Chudleigh Road.	Dunorlan.	Whitefoord.	Kimberley.	Railton.	Latrobe.	Tarleton.	Spreyton.	Formby.	Tons.	Average Distance	Miles Travelled.
Launceston St. Leonard's Breadalbane. Evandale Perth. Longford Bishopsbourne Oaks Glenore Hagley Westbury Exton Deloraine Ohudleigh Road Dunorlan Whitefoord Kimberley Hailton Latrobe Tarleton Spreyton Formby	16:85 16:85 21:4:40 23:35 265:865 17:80:90 7777:35 655:75 1230:05 3191:65 595:15 857805 818:45 291:45 160:05 67:55 14:60 2:10 26:10	13·95 6·25 2·15 2·20 0·85 0·10 0·10 0·10 1·40 0·95 0·75 0·05 0·35	39·55 2·00 0·45 1·00 4·45 1·75 0·50 78·00	74·40 0·60 0·70 - 4·15 160·90 18·30 1·20 1·20 1·795 25·00 12·10 486·30 28·95 49·05 28·30 8·00 26·05 4·05 14·25	390·15 3·65 1·95 4·70 30·20  0·45 1·55 112·85 8·55  78·05 1·40 0·20	1558-45 0'25 4'20 119'10 1'45 167'70 92'30 212'40 24'4'35 381'00 6'30 697'50 53'65 0'85 6'95 108'55 59'90	390'40 0'55 0'80 0'20 11'00 1'20 0'40 8'45 23'50 0'55 18'70 0'05 23'25 0'65	113°85 2°25 0°05 15°25 2°10 0°55 12°55 12°55 1°95 0°40 0°10 0°05	102·20 3·65 22·90 5·10 0·15 0·35 27·60 6·70 0·05 0·40 0·05 0·05	249'55 0'15 0'05 1'55 0'25 21'60 1'85 0'75 0'35 1'15 2'20 164'50 8'45 0'05 1'200 9'70 0'30	786-30 0-20 243-65 114-75 83-80 2-40 0-65 0-65 0-65 0-20 0-10 31-25 5-70 1-70	86'45 0'20 0'50 0'50 0'50 0'75 0'75 0'15 6'95  0'10 	941·50 0·10 11·80 6·50 60·65 15·25 3·70 8·80 132·65 113·50 1·25  1·55 38·75 29·80  153·60 26·80 	121·10 0·05 6·35 0·76 8·80 1·45 1·85 3·95 7·65 4·56 0·10 4·80 6·25 21·90 6·65	50·10 0·15 0·20 0·05 9·00 2·55 0·35 0·70 0·05 12·90 0·45  0·10 0·20 8·65 17·80 	14·05 0·10 6·75 1·85 2·60 3·65 0·05 2·30 0·35 0·15 0·50	0·35  0·15  0·15 0·10 0·10 0·10 0·20 4·45	191-20 0.05 4*80 0.65 14*40 21*10 0.105 7.50 0.60 30:80 2.05 0.60 6:25 8:35 0.25 301-90 11-25	264·15 28·40 3·70 7·50 0·10 0·05 0·30 7·65 0·35 67·40 9·65 27·55 9·90 9·60·45 0·30 52·05	0.45 1.55	2.90  0.25  0.05 0.05 0.05  7.85 3.55 0.05	84-85  80-10 1-30 92-85 28-10 0-05 0-30 24-20 131-25 6-20 382-75 459-95 29-560 58-10 1617-45 4-60 2-65	5486'60 24'95 168'35'726'45' 369'45'3186'75' 2082'65'85'45'85'25'0 1681'20'35'35'25'64'35'5 64'35'5 64'35'5 629'20'0 1423'20'718'10'30'24'5 8'60'30'30'30'30'30'30'30'30'30'30'30'30'30		181,392,39 172,67 1248,77 17,583,74 63,61,41 60,153,18 49,009,17 22,404,58 21,546,14 46,165,99 127,924,7 25,731,76 234,272,92 59,001,04 27,208,04 12,477,93 415,89 22,770,68 1426,26 553,33 8241,62
Tons Inwards	17,099.60	83*35	128 45	1067-90	633.80	3661.50	776•70	176.05	265.45	474.45	1486.45	104.55	1593:30	204.05	126.80	32.25	5•65	763.90	1443.65	19.50	25.20	4867:40	35,039.95	··-	
Average Distance				••	••		••							••						••			'	29.10	
Miles travelled	587,809.90	2574.98	3397'02	31,455.10	14,035.39	69,501.89	17,585.97	3840.29	5123.88	11,466.36	40,578.52	3774.07	54,608.79	7669:17	4390.41	1188-42	97:31	21,565.74	33,944.82	825 90	387•15	103,922.75	•• '		1,019,743.23
						•	1	1885.	1	886.							1.8	385.	18	86.					
	٠	Ditto t Ditto t verage to	on ditto onnage. ns per tr	ain mile	• • • • • • • • • • • • • • • • • • •			141,512 858,917 28,676 0:20 29:95	1,0	.69,393 )19,743 35,039 0.21 29.10	Aver D D	age ditto itto, ditt itto, ditt	s per ton j o, per tra o, per ton o, per we	per mile in mile	·	•••••••	9660 0 0	s. d. 9 10 0 2.69 1 4.38 6 8.85 15 6.88	11,916 0	s. d. 12 7 0 2 1 4 1 6 9 3 3	80 88 62				

W. H. LOVETT, Accountant.

No. 9.

WESTERN RAILWAY.

DIRECTION and Extent of Passenger Traffic for the Year 1886.

												IN	WARD	S AT												_	TOTA	r onl	WARDS.
OUTWARDS FROM—	Season Ticket- holders, &c. *	Launceston.	Hobler's Bridge, *	St. Leonard's.	Breadalbane,*	Evandale Junction.	Perth.	Longford.	Wilmore's Lane.	Littlo Hampton.º	Bishopsbourne.	Oaks.	Glenore.	Hagloy.	Westbury.	Exton.	Deloraine.	Chudleigh Road.	Dunorlan.	Whitefoord.	Kimberloy.*	Railton.	Latrobe.	Tarleton.	Spreyton.	Formby.	Passengers.	Average Distance.	Miles travolled.†
Launceston St. Leonard's Evandale Junction Perth Longford Bishopsbourne Hagley Westbury Exton Deloraine Chudleigh Road Dunorlan Whitefoord Hills Railtou Latrobe. Formby	2168 646 655 476 1054 196 170 536 153 629 111 153 17 374 638 527	11,107 7397 4372 12,477 1495 1244 4909 720 5168 133 268 107 938 2774 2931	20	10,198 212 136 457 35 12 22 10 73 4 1 2 8 8 14	  2 10	2763 248  1097 1302 177 77 141 21 316 16 13 2 51 170	2262 129 772 1721 25 18 54 6 6 121 3 2  6 33 30	9632 400 1972 2947  686 365 633 129 732 80 52 4 144 227 219	403 8 31 27 303 120 26 26 1 76 10 1	596 23 51 20 529 52 63 59 9 45 	494 52 149 18 426  101 120 70 243 14 14  27	1286 51 299 57 614 290 81 360 19 265 5 10 1 1 3 3 2	851 10 55 19 383 100 201 513 28 171 5 2	746 39 102 30 277 108  406 34 168 16 4 5 5 59 42	2219 53 262 69 532 234 496  693 1467 123 108 22 110 256 216	266 8 14 9 57 71 22 451  458 6 5 14 25 55 32	3298 100 540 123 759 284 291 1966 1084  7300 1694 295 535 925 410	118 13 39 27 78 12 10 73 5 402  44 14 92 148 79	145 8 18 1 23 8 24 41 16 269 64  31 177 262 48	51 4 7 3 5 28 36 338 54 247  101 170 43	60  2  12 116 28 24 21 328 244 21 328	349 9 61 18 84 19 20 86 34 264 88 117 62 2584 396	2243 31 274 99 215 65 72 308 52 979 379 316 104 3937 	24   1  50  15 199 205	41  12  7 1 19 25 8 102 853 845	2556 37 351 77 217 22 59 210 24 545 165 118 54 646 3389	44,517 13,268 13,468 9702 21,663 3993 3394 10,983 3163 12,950 2241 3201 7666 7666 13,137 10,581		1,121,987 173,211 194,785 104,889 344,283 65,075 66,518 261,499 52,118 390,328 44,829 51,304 14,838 149,555 366,698
No. Passengers	8503	56,160	39	11,193	2596	6608	5182	18,222	1044	1453	1793	3392	2409	2061	6850	1493	13,044	1154	1135	1092	870	4191	13,311	495	1913	8470	174,673	••	···
Average Distance	<u></u>			 				••	 			<u></u>					••		<u>.                                  </u>	••			••					21.57	
Miles travelled †	178,563	1,468,973	301	57,856	115,585	93,826	52,578	280,450	14,192	20,263	31,761	58,120	40,712	41,749	147,235	23,363	304,607	22,317	23,534	15,019	12,543	74,404	336,345	5085	13,362	335,551	•.		3,768,602

o Includes Outwards and Inwards.

<sup>†</sup> Decimals omitted.

	1885.	1886.		1885.	1886.
Passenger train miles Miles travelled Average miles travelled per passenger Ditto passengers carried per train mile Total passengers carried	144,512 2,921,125 19:35 1:06 150,888	169,393 3,768,602 21.57 1.03 174,673	Total passenger receipts Average receipts per passenger per mile Ditto per train mile Ditto per passenger Ditto per week	£ s. d. 16,869 11 11 0 0 1 138 0 2 4 61 0 2 2 83 324 S 3 67	£ s. d. 20,930 5 10 0 0 1:33 0 2 5:65 0 2 4:75 402 10 1:34

No. 10.

TASMANIAN GOVERNMENT RAILWAYS.

COST of Railways and Equipment, and List of Rolling Stock, 1886.

CONSTR AND EQU														ROL	LINC	i st	OCI	ζ.			•												
Cos	ST.	OTIVES.	-			CARRIA	AGES.						,				WA		s.							-			Br	AKE V	ANS.		), GF
Amount.	Per Mile open.	Госомо		Saloon.	1st Class.	2nd Class.	Com	posite.	Excursion.	Bal	last.	High- sided.	Med	lium.	Lo sid	w- led.	Tin	be <b>r.</b>	Cov	ered.	Carı	iage.	Ca	ttle.	Sb	eep.	1000	DOKSE	Passen- ger.	Goods	Cor	n- ite.	TOTAL NO.
		Gaug	ge.	Gauge.	Gange.	Gauge.	Ga	uge.	Gauge.	Gar	ıge.	Gauge.	Ga	uge.	Gai	ıge.	Ga	uge.	Ga	uge.	Ga	uge.	Ga	uge.	Ga	uge.	Gar	ıge.	Gauge.	Gauge	Gar	ge.	.
£	£	5′ 3″ 3	6"	5′ 3″	5′ 3″	5′ 3″	5′ 3″	3′ 6″	5′ 3″	5′ 3″	3′ 6″	5′ 3″	5′ 3″	3′ 6″	5′ 3″	3′ 6″	5′ 3′	3′ 6″	5′ 3″	3′ 6″	5′ 3 <sup>//</sup>	3′ 6″	5′ 3′	3' 6	5′ 3	3′ 6′	5′ 3″	3′ 6″	5′ 3″	3′ 6″	5′ 3″	3′ 6″	
872,332	6558	5	2	1	4	3	6	14	2	5	25		42	30	13	94	10	5	15	30	_	4	9	17	6	17	4	4	2	3	2	9	   
			-				5	20		9	80	16		$\widetilde{\widetilde{72}}$	1	07	]	15		45	 	$\overset{1}{\overbrace{4}}$	-	26		23	-	· ·	<b></b>	<del></del>		ر!	
		17	,			30	)		<del></del>				<u> </u>				<u>.                                    </u>	3 <b>3</b> 8	<u> </u>	<del>`</del>	!		1					8		16			4(

W. H. LOVETT, Accountant.

FRED. BACK, General Manager.

No. 11.

TASMANIAN GOVERNMENT RAILWAYS.

SUMMARY of Railway Statistics for Five Years ending 31st December, 1886.

					<del>,</del>	
		1882.	1883.	1884.	1885.	1886.
Miles open	No.	45	45	45	863	133
Total cost of construction and equipment		439,383	445,322	465,494	668,263	872,332
Ditto ditto per mile	£	9764	9896	10,344	7726	6558
Disco ditto per mile	_ ~					
Gross earnings	£	27,686	29,522	29,075	36,419	45,924
Working expenses	£	17,808	22,568	20,553	31,064	37,917
Profits on working	£	9878	6954	8522	5355	8007
Proportion of working expenses to gross earnings		64.32	76.44	70.68	85.29	82.56
Profits on working per £100 capital expendi-			]		33.73	
ture	,,	2.24	1.56	1.83	0.80	0.90
			<u> </u>	<del></del>	<u> </u>	
Passenger journeys	No.	111,271	123,441	132,482	158,723	193,829
Average distance travelled per passenger	Miles.	18.83 .	18.77	18:21	18.62	20.47
Average rate per passenger	s. d.	21.82	2 1.47	2 0.7	2 1.91	2 3.80
Ditto per passenger per mile	Pence.	1.37	1.39	1.35	1.39	1.36
Goods tonnage	No.	24,966	25,528	22,862	29,329	42,661
Average distance travelled per ton	Miles.	27.77	31.4	29.68	29.38	28.77
Average rate per ton	s. d.	6 11.77	7 1.54	6 11.30	6 7:71	6 5.45
Ditto per ton per mile	Pence.	3.02	2.72	2.80	2.71	2.69
Train mileage	No.	102,739	107,466	108,175	164,575	224,143
Average ditto per mile open	No.	2283	2388	2404	2365	2114
Engine mileage	No.	103,167	109,495	120,274	196,155	246,269
	1					
Gross earnings per train mile	s. d.	5 4.7	5 5.9	5 4.5	4 5.1	4 1.1
Ditto per mile worked	£	615.2	656.0	646-1	523.3	433.2
Working expenses per train mile	s. d.	3 5.6	4 2.4	3 9.6	3 9.3	3 4.6
Ditto per mile worked	£	341.5	428.9	391.8	407.5	357.6
Locomotives	No.	5	5	5	10	17
Other vehicles	No.	142	144	144	224	392

FRED. BACK, General Manager.

W. H. LOVETT, Accountant.

#### No. 12.

#### TASMANIAN GOVERNMENT RAILWAYS.

 $RECEIPTS,\ Traffic,\ and\ Working\ Expenses,\ \&c.--Decennial\ Return.$ 

TRAFFIC RECEIPTS, &c.

	open.	Cost of Cor and Equ		Total Train	otives.		nd Pas- Traffic.					Receip	ots.						ts per Mile.	ng Days.
Year.	Miles	Amount.	Per mile.	Miles.	Locom	Tons.	Passen- gers.	Passenger	s.	Parce &c		Goods Live S			scel- eous.	Тот	'AL.		Receipts per Train Mile.	Working
1877 1878 1879 1880 1881 1882 1883 1884 1885 1886	45 45 45 45 45 45 45 45 45 133	£ 433,409 435,445 435,595 435,595 436,815 439,383 445,322 465,494 668,263 872,332	£ 9631 9676 9679 9679 9707 9764 9896 10,344 7726 6558	102,471 101,712 100,624 104,473 101,934 102,739 107,466 108,175 164,575 224,143		18,516 17,421 16,363 20,762 21,043 24,966 25,528 22,862 29,329 42,661	102,959 106,472 103,256 102,918 102,495 111,271 123,441 132,482 158,723 193,829	£ s. 9899 2 10,250 19 10,082 8 10,117 10 10,396 9 11,972 16 13,103 8 13,673 2 17,138 12 22,456 4	10 2 8 1 0	571 1 674 1 769 759 1 790 1	19 7 9 1 10 1 16 1 5 0 10 2 11 9	6804 6448 5685 7332 7540 9266	9 3 1 17 9 14 10 1 8 9 6	£ 4167 1 4816 7 5046 8 5350 3 5345 1 5525 9 5701 7 5729 2 6974 5 6695	6 4 10 19 1 0 0 2 9	£ 21,442 8 22,189 8 21,583 9 23,560 1 24,074 27,685 6 29,522 7 29,075 8 36,418 0 45,924	19 1 19 1 0 12 8 6 14	1 4 0 4 4 6 0 4 4 5 5 5 5 5 5 3 4	$\begin{array}{c} d. \\ 2 \cdot 2 \\ 4 \cdot 3 \\ 3 \cdot 4 \\ 6 \cdot 1 \\ 8 \cdot 7 \\ 4 \cdot 7 \\ 5 \cdot 9 \\ 4 \cdot 5 \\ 5 \cdot 1 \\ 1 \cdot 1 \end{array}$	313 312 313 314 313 312 313 314 313

#### WORKING EXPENSES.

orked.	or near.	Main	tenance	?.	Locomotive and Wago			Traffi	c Char	ges.	Genera Ma	l Char ils, §c.		TOTAL CHA	WORKI RGES.	NG	Days.
Year.		Amount.	Per Mile open.	Per Train Mile.	Amount.	Per Mile open.	Per Train Mile.	Amount.	Per Mile open.	Per Train Mile.	Amount.	Per Mile open.	Per Train Mile.	Amount.	Per Mile open.	Per Train Mile.	Working
	5 5 5 5 5 5 5 5 5 5	5687 19 2 9187 11 2 7546 12 10 10,697 1 2	97·2* 118·7* 99·2* 102·3* 101·6* 164·1*	011.9 1 0.6 1 0.6 1 7.4 1 3.7 1 2.8	5662 8 6 5681 4 0 5248 7 5 5205 15 8 5376 9 1 5931 17 5 5731 8 10 11,928 10 3	125·8 126·2 116·6 115·7 119·5 131·8 127·3 162·3	1 3·4 1 3·7 1 1·9 1 2·2 1 2·7 1 3·3 1 2·7 1 6·0	# s d 4884 1 9 4805 18 4 4719 18 0 4976 0 8 4822 10 10 5040 10 8 5681 8 2 5450 15 6 7013 15 2 8505 12 10	84·3* 88·9* 86·1* 90·0* 101·4* 97·3* 87·0	0 10·5 0 10·5 0 10·7 0 10·6 0 11·2 1 0 0 11·4 0 9·7	1747 13 0 1677 8 7 1955 10 1 1703 1 9 1767 2 6 1824 9 11 2054 4 7	35·6 33·4* 31·2* 30·0* 34·9* 30·4* 31·6* 32·5* 25·5	0 4·1 0 3·9 0 3·6 0 4·3 0 3·1 0 3·7 0 3·8 0 2·8	17,681 010	402·2 342·2* 360·4* 334·7* 339·0* 341·5* 428·9* 391·8* 407·5	3 8.6* 3 4.1* 3 5.6* 4 2.4* 3 9.6* 3 9.3	313 314 313 312 313

<sup>\*</sup> Reduced to the equivalent of a single line of Railway throughout.

<sup>a</sup> On average miles open per year (106).

W. H. LOVETT, Accountant.

FRED. BACK, General Manager.

# No. 13. TASMANIAN GOVERNMENT RAILWAYS. RECONCILIATION of Treasury and Railway Accounts for the Year 1886.

Traffic Receipts for the year 1886, as per Railway Accounts— Western Line————————————————————————————————————	•••••		•••	£ 42,307 703 2913	10 7	7	£		s. d
1gut 2	• • • • • • • • • • • • • • • • • • • •		•••				45,99	24	6 10
Cash banked on account of Tasmanian Government Railways*  Add outstandings 31st December, 1886  Less amount due to Superintendent of Telegraphs	£2728	14	1 9	45,765	17	,11	<del></del>		
Less amount due to Superintendent of Telegraphs			- -	2689	10	10			
Deduct outstandings 31st December, 1885		14	0	48,455	8	9			
Less amount due to Supt. of Telegraphs and W. Howard Smith & Son, Limited	28	12	1	2531	1	11	a.i		
							£45,92	4 ——	6 10

\* As per Treasury Statements.

W. H. LOVETT, Accountant.

FRED. BACK, General Manager.

Reconciliation Statement, No. 13, correct.

W. LOVETT, Colonial Auditor.

## No. 14.

#### TASMANIAN GOVERNMENT RAILWAYS.

### TRAIN Mileage.

	Section	149,809* 50,034	
•		<del></del>	199,843
	• • • • • • • • • • • • • • • • • • • •		12,852
Fingal Line	• • • • • • • • • • • • • • • • • • • •	• •	17,755
То	TAL	••	230,450

Engine miles, 246,269.

W. H. LOVETT, Accountant.

<sup>\*</sup> Includes 21,098 miles run by T.M.L. trains between Launceston and Evandale Junctions.