

1873.

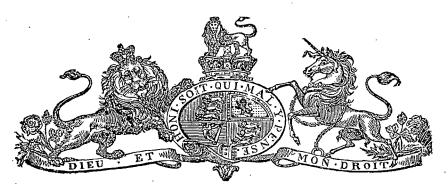
TASMANIA.

HOUSE OF ASSEMBLY.

# LAUNCESTON AND WESTERN RAILWAY.

REPORT BY THE MINISTER OF LANDS AND WORKS.

Laid upon the Table by the Minister of Lands and Works, and ordered by the House to be printed, June 24, 1873.



Launceston and Western Railway, Launceston, 21st June, 1873.

SIR.

I have the honor to report as follows upon the business of this Department from the transfer of the Railway to the Government to the 30th April last.

#### Capital or additional Construction Account.

Return No. 1

The liabilities of the Launceston and Western Railway Company (Limited), for purchase of Stores, &c. on taking the transfer of the Railway were found to be £1713 11s. 8d., which amount, in accordance with the terms of transfer, was paid from the £12,000 voted by Parliament for that and other purposes of the Railway.

The value of the Stores on hand was £1762 15s. 3d., which were duly transferred over to the Government.

The repairs necessary to be done to the earthworks before the Line could be open Return No. 2. for traffic by the Government were estimated at £900, and these were at once executed.

In addition to such repairs, and to render the works of a permanently stable nature, the Inspecting Surveyor reported that it was necessary to reduce many of the slopes to a greater incline, and thus prevent the recurrence of the extensive slips which had previously been continually occurring with very disastrous effects.

It was also found necessary, for the same reason, to drain and ballast many of the embankments, more particularly the large ones known as Nos. 38 & 42, which had from the first opening of the Line been subsiding or settling down towards the valley on the lower side.

These embankments, since they have been drained on the upper side with horizontal and vertical shafts, have given every appearance of perfect stability, notwithstanding the very severe test they have undergone during the recent unusually wet autumn.

The Permanent Way has also been ballasted in several places where necessary, and is now in good order. The total cost of this ballasting and works has been £2242 9s. 3d.: this expenditure was necessary to put the Works in a perfect condition.

#### Rolling Stock.

Return No. 3.

The Rolling Stock and number of Locomotives was quite inadequate to the anticipated requirements of a busy season and a very rapidly developing traffic; consequently orders were immediately despatched to England for additional Wagons and duplicates for Rolling Stock, also for one Locomotive Engine of a lighter character than those at present in use.

The estimate of the cost of these additions to the Rolling Stock of the Department, based upon previous Invoices, has, I regret to say, been very considerably below the actual cost: a fact solely attributable to the unprecedented high price of all Railway material in the English market. Fortunately considerable saving, however, was effected by sending the order for the Locomotive by Telegraph, and thus getting it placed prior to a further large advance which occurred almost immediately subsequent to the issue of the Order.

Return No. 4.

### Additional Accommodation for Traffic.

Additional accommodation for traffic purposes has been erected at several of the Stations in the shape of cattle landings, increased sidings, and extended platform; all of which were found to be essential for the proper working of the traffic.

The several expenditures to which I have herein referred, and details of which will be found in the accompanying tabulated Statements, have been charged to the Capital Account as new works.

Return No. 5.

#### Revenue Account.

The Statement of the Receipts and Expenses for the period during which the Government has had the control and management of this Railway shows a surplus of receipts over expenses of £2375 10s.5d.

Return No. 6. Statements are also submitted of the Receipts and Expenses for the year 1872, and Return No. 7. the direction and extent of Passenger and Goods traffic during that period; together Return No. 8. with carefully calculated statistical factors of the Receipts from each class of traffic per train mile run, and the actual cost of such train mile.

In comparing the Traffic and Receipts of 1872-3 with those of the corresponding period 1871 (see Tables), it will be observed that, while traffic is rapidly increasing, receipts do not improve at an equal ratio. This chiefly arises from the development of other sources of traffic than that which predominated during the first year, and which is carried at a very low rate. The greater proportion of this traffic is composed of guano, firewood, fencing, lime, &c., part of which is carried at the extremely low rate of 0.66d., or little over one half-penny per ton per mile: this traffic, prior to the opening of the Railway, was carried at an average from 1s. to 1s. 3d. per ton per mile, and was consequently then very limited.

It will be perceived that, while it is judicious to encourage this kind of traffic, it has at present a very detrimental effect upon the receipts; and that, in estimating the amount of benefit to the District from Railway facilities, it is preferable to look to the comparative increase in traffic rather than to the actual amount of receipts.

Return No.10. sho

The working expenses will compare very favourably with Railways elsewhere, as shown in the Statement, and have been considerably reduced during the half year ending April 30th, 1873.

#### General.

The Earthworks may now be considered to have thoroughly consolidated.

The Rolling Stock will be ample for any increase of traffic for several years to come, and will be from time to time carefully renewed out of the Revenue Receipts, which charges have been calculated for in the Estimates that will be submitted for the year 1874.

Return No. 11.

The additional further works likely to be almost immediately required will be an extension of the Goods Warehouse at Launceston, and new Engine Sheds at Launceston and Deloraine, also small sheds for the reception of goods at Hagley and Exton, at both of which places the traffic is very considerable and is rapidly increasing. They are the centres of very large and important Districts, and demand proper accommodation.

I do not feel justified in concluding this Report without alluding to the proposed continuation of the Deloraine and Mersey Tramway from Coiler's Creek to Deloraine, and from Gilbert-street, Latrobe, to the deep water of the River Mersey. When these works are effected by the Company, and continuity of Railway Traffic for Passengers, Mail, and Goods ensured from Launceston to Latrobe, an impetus will be given, not only to the operations of the Launceston and Deloraine Railway, but to the agricultural, pastoral, and commercial interests of the North Coast, which will be felt from Port Sorell to Circular Head.

I have the honor to be, Your Excellency's obedient humble Servant,

> CHARLES MEREDITH, Minister of Lands and Works.

To His Excellency the Governor in Council.

	No.	1.						
STATEMENT of Launceston and W. Stores	Vestern Railw stransferred	ay Comp to Gover	oani nme	es Liabili nt.	_	ı tra	_	r; also
Launceston and Western Railwa	ay Companies	Liabilitie	es	-	£ 1713	s. 11	<i>d</i> . 8	
Ditto, Stores transferred to	Government-		-	-	1762	15	3	
R. M. Johnston, Traffic Auditor.			R. 1	w. Lori	), Secretar	y an	— d M	anager.
•		<del></del>	-		•	-		·
	No.	2.						
8	LOPES an	d Cuttin	gs.			•		
Amount expended on Slopes and	d Cuttings to	30th Ap	ril, 1	1873 -	£ 2242	s. 9	d. 3	
R. M. Johnston, Traffic Auditor.			R. 3	w. Lori	), Secretar	y an	— d М	anager.
	No.	3	-					
ROLLING	G Stock, &c.		in I	England.	•		,	
Carriage and Wagon Dupl Locomotive Duplicates - Pumps Planing Machine - Locomotive - Iron-work for Goods Wag Facing Machine and Steel, Break Vans (2) - Commission, Freight, Insu	  on - &c	 -	- - - -		£ 459 - 353 454 - 167 2395 - 1001 79 - 572 580	0 0 0 0 5 0	d. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
					£6060	· .	0	
R. M. Johnston, Traffic Auditor.			R.	W. LORI	), Secretar	y an	d M	anage <b>r.</b>
	No.		<b>-</b>			,		:
CATTLE-YARDS, St.  Amount expended on Cattle-yards, S.	1					¢c. £ 1685		d. 2
R. M. Johnston, Traffic Auditor.	,		R.	W. LORI	D, Secretar	y an	d M	anager.

No. 5.

RECEIPTS and Expenditure from August 12, 1872, to April 30, 1873.

	Mont	th.			Working Days.	Passengers.	Tons.	Receipts.	Expenditure.
August September October November December January - February March - April -	-	-	 	-	18 25 27 26 26 26 27 24 26 26 26	2810 4174 4559 5010 8797 7915 8611 7063 7815	1160 1117 1043 1221 1447 1233 2020 4236 4591	£ s. d. 736 19 10 900 14 0 952 6 10 945 9 3 1184 8 7 1151 10 1 1520 16 1 1994 14 4 2550 15 8	£ s. d, 767 13 5 1015 0 3 1077 16 8 1095 1 4 977 13 2 1160 14 5 1099 3 9 1073 14 11 1295 6 4

Surplus of Receipts over Expenditure

£2375 10s. 5d.

R. M. Johnston, Traffic Auditor.

No. 6.
STATEMENT of Revenue and Expenditure for the Year 1872.

Total Train mileage (Passengers and Goods), 72,300 miles.

Cr.

EXPENDITURE. (A.)		Cost per Train mile.	Cost per mile open.	REVENUE. (B.)									
To maintenance Permanent Way and Works	£ s. d. 4008 5 4	s. d. 1 1.30	£ 89.07	By Passengers, 63,647 at 23.37d £ s. d. £ s. 6199 15									
Locomotive and carriage and wagon charges	4299 10 2	1 2.7	95.54	Parcels, horses, carriages, and dogs 316 14	1 0 1 0								
Traffic charges	3582 16 <b>2</b>	0 11.39	79.62	Goods, 18,111 tons, at 6s. 3 59d 5645 15 5									
Police, Gatemen, &c	324 17 8	0 1.8	7.22	Live stock 167 19 1									
General charges	1382 15 4	0 4.59	30.73	5813 14	6 1 7.29								
Mails Compensation	174 4 4 }	0 0.60	4.18	Rents, mails, &c 1306 2	0 4.3								
				Balance 149 2									
	£13,786 9 0	:		£13,786 9									

R. M. Johnston, Traffic Auditor.

# SCHEDULE A.

# ANALYSIS of Expenditure, 1872.

DEPA	AMOUNT EXPENDED EACH				
PARTICULARS.	Salaries & Wages.	Stores. (C.)	Sundry charges.	TOTAL.	MONTH.
Maintenance of Way— Inspecting Surveyor, Platelayers, Labourers, &c	£ s. d. 3870 13 10	£ s. d. 119 15 6	£ s. d. 17 16 0	£ s. d. £ s. d. 4008 5 4	£ s. d. January 1287 13 0
Locomotive and Carriage and Wagon Department— Locomotive Foreman, Carpenters, Fitters, Drivers, Fire- men, Cleaners, Labourers, &c	2201 7 1	2015 16 3	82 6 10	4299 10 2	February - 1294 19 3  March - 2209 13 10
Traffic Charges— Station Master, Guards, Porters, Signalmen, Pointsmen, &c.—  Launceston— Evandale— Perth Longford Westbury— Exton— Deloraine— Cartage General traffic charges  Total traffic charges  Police, Gates, &c.—	938 3 11 165 3 6 183 5 1 516 19 3 195 5 0 65 1 8 389 1 9 6 3 0	64 16 1 22 12 0 22 11 1 51 11 11 20 6 11 11 12 2 48 1 5 102 11 2	438 3 8 341 6 7 779 10 -3	1003 0 0 187 15 6 205 16 2 568 11 2 215 11 11 76 13 10 487 3 2 438 3 8 450 0 9	April 1467 9 4  May 1325 15 11  June 1267 12 10  July*
Gate Keepers, &c. at level crossings  General Charges— Office of Secretary, Traffic Superintendent, Traffic Auditor, and Stores, Cashier, and other charges -	317 18 0 1306 12 3	39 10 7	36 12 6		December - 977 13 2
Mails— Mail Carriers, &c	1306 12 3		. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	_ 1362 13 4 _ 174 4 4	• Cessation of traffic from 30th June to 12th August.
Compensation— Sundry damages	£10,155 14 4	£2526 4 9	14 0 0 £1104 9 11	- 14 0 0 £13,786 9 0	£13,786 9 0

B.

ANALYSIS of Traffic, 1872.

	TRAFFIC AND RECEIPTS AT EACH STATION.												
•	PASSEI	NGERS.	Goo	DS.			RECEIPTS		MONTH.				
STATIONS.	Outwards.	Inwards.	Outwards.	Inwards.	Passengers.	Parcels, &c.	Goods and Live Stock.	Mails, Rents,	Total Receipts.	Month.	Working Days.	Amount.	
Launceston St. Leonard's	No. 26,017	No.	Tons:	Tons. 12,192 31 7 1046 579 2726 272 82 176 170 350 35 445	£ s. d. 2486 19 9 ——————————————————————————————————	£ s. d. 100 10 9 0 13 6 14 1 10 14 15 8 70 5 9 4 4 0 1 19 0 2 7 9 8 15 3 33 3 8 4 5 0 61 11 11	£ s. d. 2647 19 9 0 6 9 0 3 0 214 15 8 361 19 1 1585 9 5 105 5 9 12 18 11 5 17 10 69 5 6 250 0 11 60 13 3 498 19 3	£ s. d. 6 9 7 — 2 9 3 7 18 0 7 8 8 — — — — — — — — — — — — — — — — — —	£ s. d. 5241 19 10 0 6 2 0 16 6 631 17 9 751 16 2 2666 0 10 109 9 9 14 17 11 8 5 7 78 0 9 930 13 9 65 3 3 1833 10 7 1303 7 5	January - February - March - April - May - June - July - August - September - October - November - December -	No. 27 25 26 26 27 25 27 25 27 26 26 26	£ s. d. 1236 8 2 1440 5 3 1575 2 2 1746 9 3 1210 5 0 1659 15 7 48 4 4 736 19 10 900 14 0 953 6 10 945 9 3 1184 8 7	
	63,647		18,111	18,111	£6199 15 7	£316 14 1	£5813 14 6	£1306 2 1	£13,636 6 3			£13,636 6 3	

R. W. LORD, Secretary and Manager.

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R. M. Johnston, Traffic Auditor.

C. ANALYSIS of Stores consumed, 1872.

Description of Stores.	Consumed by each Department.	Consumed during each Month.
Fuel. £ s. d.  Coal 1023 tons  Wood 129 tons  Oils.  Castor 1011\frac{3}{4} galls.  Colza 64\frac{1}{2} galls.  M. Bird 140\frac{3}{2} galls.  Kerosene 142\frac{1}{3} galls.  Chinese 5 galls.  Sundries 40\frac{1}{4} galls.  Tallows 10 cwt. 0 qr. 7lb.  Grease 7 cwt. 3 qr. 37lb.  Waste, &c.  Tucks, Packing 83 lbs.  Flax 33\frac{3}{4} lbs.  Waste 1772 lbs.  Wicks 31. 9s. 2d.  Stationery, advertisements 204 15 3  Timber 44 1 3  Iron 114 7 11  Tools 73 6 11  Ordinary Sundries 59 9 9  Extra Sundries 120 14 4  £2526 4 9	£ s. d. £ s. d.  Maintenance of Way & Works Locomotive and Carriage and Waggon Department Traffic Charges. Launceston . 64 16 1 Evandale . 22 12 0 Perth . 22 11 1 Longford . 51 11 11 Westbury . 20 6 11 Exton . 11 12 2 Deloraine . 48 1 5 General Traffic Charges . 102 11 2 Police, Gates, &c. 6 19 8 General Charges . 39 10 7	£ s. d. January 225 2 1 February 195 16 2 March 280 9 3 April 221 8 9 May 203 19 8 June 207 16 11 July

R. M. Johnston, Traffic Auditor.

R. W. LORD, Secretary and Manager.

No. 7. DIRECTION and Extent of Goods Traffic, 1872.

FORWA	ARDED FROM					REC	EIVE	D A'	r						TOTA	LS OU	TWARDS.
S	FATIONS.	Launceston.	St. Leonard's.	Breadalbane.	Evandale.	Perth.	Longford.	Bishopsbourne.	Oaks.	Glenore.	Hagley.	Westbury.	Exton.	Deloraine.	Tons.	Average Distance.	Miles travelled.
St. Leonar Breadalbar Evandale Perth Longford Bishopsbor Oaks Glenore . Hagley . Westbury	d's	Tons.  4 11 615 1427 3934 475 92 188 472 434 877 3673	Tons. 12	Tons. 2 — — — — — — — — — — — — — — — — — —	Tons. 648 5 - 1 26 8 - 7 - 4 128 219	Tons. 199	Tons. 1183  1 2 8  61 20 405 97 149 347 529	Tons. 155 — 8 6 10 — 1 — 28 11 53	9 - - - - - - - 4 4	44   1 11 1 1  1 4 24	126 	1 1	Tons. 26 - 8 3 - 1 1 - 4	Tons. 370 — 9 17 25 7 — 16 1	Tons. 3075 9 2 649 1473 4078 587 116 600 572 705 1495 4810	11111131111111	67,491·01 30·98 20·65 7490·08 21,846·97 71,769·97 12,785·16 2640·14 9728·57 16,242·05 19,725·31 50,018·10
	Tons	12,192	31	7	1046	579	2802	272	82	112	158	350	35	445	18,111	_	
Totals Inwards.	Average Distance		_	_			<u> </u>	_	_	<u>  -</u>		<u> </u>	<u>                                     </u>	<u> </u>	_	26.31	
	Miles travelled	349,042	395	57	19,974	12,747	52,554	5639	1306	2126	4390	-	1232	27,444		_	476,607
T T A	otal train miles otal (ton) miles tray otal goods tonnage verage goods tonnag Ditto train mile	elled e per trai	in	47 ]	2,300 6,607·6 8,111 11·3 0·25 26·31	tons.		Avera I I	ge go Ditto j Ditto j	ods r per.tr per.to	eceip ain n	ts (to	n) per	mile.	0 0	0 2	87 : : : :

R. M. Johnston, Traffic Auditor.

DIRECTION and Extent of Passenger Traffic, 1872.

	,				•		INWA	RDS	AT						TOTA	L OU	TWARDS.
OUTWARDS FROM	: :	Launceston.	St. Leonards.	Breadalbane.	Evandale.	Perth.	Longford.	Bishopsbourne.	Oaks.	Glenore.	Hagley.	Westbury.	Exton.	Deloraine.		Average Distance.	Passenger Miles travelled.
Launceston St. Leonard's		_	6391	1501	2222	1306	4016	* 1839	463	330	1397	1100	* 544	1746	26,017		459,4833
Breadalbane †	300 251 679	3148 2236 5639	324 148 276	136 45 79	378 528	379 779	619	190 225 1254	35	26	204 160 501	154 151 507	51 61 236	130 198 580	5776 5022 11,762	_	67,670 60,431 <u>4</u> 175,318 <u>4</u>
Hagley† Westbury Exton†	315	2026	107	7	86	120	586	433	204	324	737	-	857	1284	· <b>7</b> 086		123,944}
Deloraine	744	3295	62	. 34	18	233	743	452	107	132	256	1142	666		7984	_	227,2873
Passengers Average Distance Miles travelled	5451	16,344	7308	1802	3332	2817	7075	4390	1268	1198	3255	3054	2415	3938	63,647	_	_
Distance	_	_	_			_	_	_				. —			<u></u> — .	17•50	
velled	98,018	387,673	39,158	14,105	35,777	32,405	108,995	<b>72,66</b> 9	20,859	18,499	63,740	65,381	39,257	117,592		$\overline{-}$	1,114,1313
	ssenger) listance sengers passenge passenge	miles tr travelled carried	per pas	senger	63,6	131½ n 17·5 n 47 p 39·6 p 0·88 p	passenger niles. niles. assenger assenger assenger	s. A s. s.	verage p mile ac Ditto Ditto	passenge tually to per tra per pas per tra	r receip ravelled in mile ssenger in	ts per	passeng	er, per n	oile	£ s. 99 15 0 0 0 1 0 1 3 17	7 1.33 .8.56 11.37 2.14

## R. M. Johnston, Traffic Auditor.

R. W. LORD, Secretary and Manager.

#### No. 9.

## COMPARATIVE Statement of Traffic and Receipts for 1871-72-73, showing rate of Increase or Decrease.

	WORKING	PASSI	ENGERS.	TC	NS.	RECEIPTS.					PER-CENTAGE INCREASE OR DECREASE PER WORKING DAY ON 1871, OR FIRST YEAR.							
IAAR.	DAYS.	Total.	Average per Day.	Total.	Average per day.	Total.		Average per Day.				Tons.		Reccipts.				
1871	279	58,326	209	13,710	41.4	£ s. 12,628 14	d. 7	£ 15	s. 5	d. 3	Increase.	Decrease.	Increase.	Decrease.	Increase.	Decrease.		
1872	278	62,225	223.8	18,111	65·1	13,636 6	3	<b>1</b> 9	1	0	7		57:4	_	8:37	·		
1873 (4 months)	103	31,404	304.7	12,080	117:2	7217 16	2	70	1	6	45.7		183	_	54.83	_		

COMPARATIVE Statement showing relative rate of Increase of Traffic in Grain and other Products, such as Guano, Firewood, Fencing, Lime, &c., taking for comparison the Periods during which the respective Traffics predominate.

#### GRAIN.

PERIOD.	WORKING DAYS.	Т	ons.	PER-CENTAGE ON FIRST PERIOD.
		Total.	Per working Day.	Increase.
3 Months ending 31st April, 1871  Ditto, 1872  Ditto, 1873	69 77 76	5453 6993 10,847	79·02 90·81 142·72	14·9 80·6
GUANO, FI	REWOOD,	FENCING,	LIME, &c.	
5 Months ending 31st December, 1871 Ditto, 1872 Ditto, 1873	131 122 —	4161 5988	31·76 49·08 —	15.4

<sup>·</sup> R. M. Johnston, Traffic Auditor.

R. W. LORD, Secretary and Manager.

## No. 10.

### COMPARATIVE Cost of Working Expenses on different English and Colonial Railways.

ENGLISH RAILWAYS.*			•
Bristol and Exeter, half-year ending December 31st, 1872  Metropolitan, ditto	- -	- - -	Cost per train mile.  s. d. 3 0.24 3 1 3 2 3 6.5
COLONIAL RAILWAYS.			
New South Wales Railways, 1871 Victorian Railways, 1872 Hobson's Bay Railway, ditto Launceston and Western Railway, for the year 1872 Ditto, for period commencing 12 August, 1872, to 30 April,	- - 18 <b>7</b> 8	- - - 3 -	4 6.86 4 9.73 3 9.74 3 9.24 3 1.6

<sup>•</sup> Labour in England is from 40 to 50 per cent. cheaper than in the Australian Colonies.

R. W. LORD, Secretary and Manager.

R. M. Johnston, Traffic Auditor.

## No. 11.

## STATEMENT showing the Estimated Cost of New Works required.

Engine Shed with Pits Ditto, Deloraine	, at Lau	nceston	; <b>-</b>	~	-	_	£ - 350 200	
Additional Goods Shed Goods Shed at Hagley Ditto, Exton		odation	at La	unceston	. <del>-</del> -	-	- 400 150 - 150	)
D1009 1250011	TOTAL	_	-	-		-	£1250	