1879.

VICTORIA.

VICTORIAN RAILWAYS.

REPORT

OF THE

BOARD OF LAND AND WORKS

FOR THE YEAR ENDING 31st DECEMBER.

1878.

PRESENTED TO BOTH HOUSES OF PARLIAMENT BY HIS EXCELLENCY'S COMMAND.

,

. .

.

APPROXIMATE COS	ST OF REPORT.	
-----------------	---------------	--

APPROXIM	1.000					
Preparation, Lithographing, &c.—Not given. Printing (1,300 copies) - · · ·		OF REPOI	RT.	*	£ 8, d. 102 10 0	N N J

· · ·

•

REPORT.

DEPARTMENT OF RAILWAYS, Melbourne, 25th June 1879.

To His Excellency the Governor in Council.

I have the honor to submit to Your Excellency the Report of the Board of Land and Works on the proceedings of the Department of Railways during the year 1878, together with sundry accounts and returns showing the progress made with works of construction, the Revenue and Expenditure for the year, &c., &c., to which I respectfully beg to draw Your Excellency's attention.

DEBENTURE CAPITAL.

My Lord,

No addition to the Debenture Capital took place during the year, but on the 30th September last a Bill authorizing a further loan of £5,000,000 received the Act No. 608. M. STATE \mathcal{A}^{*} sanction of both Houses of Parliament.

Of this amount, £4,152,235 was to be set apart for the purposes of Railway extension and completion, and to repay sums advanced on Railway Construction Account, by means of votes from the Consolidated Revenue.

The following extract from the Second Schedule to the Loan Act will show

یوند ^{۲۰} قد د	Act No. 608, Second Schedule.
an a state	$\mathbf{f}_{\mathbf{r}}$
"Item <u>1.</u> " 2.	Towards the purchase of the undertaking and property of the Melbourne and Hobson's Bay United Railway Company 1,043,520 For the Construction of Railways already authorized by Par-
	liament 150,000
., 3.	Rolling-stock for Railways 180,000
. 4.	For Railway Station at Melbourne, and other works connected
(1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	with Railway extension, as Parliament may by any Act direct 150,000. For repaying the Consolidated Revenue certain sums expended
297 20 57 1	and to be expended on Railways and other public works 128.715*
999 - C.	For the Construction of such State Railways and works con- nected therewith as Parliament may by any Act direct 2,500,000
	£4,152,235
A set in the set	
	# Bailway proportion of fato (80

The amount of indebtedness on Railway Account for moneys borrowed still remains as at the date of my last Report, £13,503,693, with a total yearly charge for interest of £732,217 14s. 5d., equal to £5 8s. 5.345d. per cent.

.... The net Revenue of the year, after providing for all maintenance and renewals of way, works, stations, rolling-stock, &c., and all and sundry expenses of working and administration, amounted to £590,976 2s. 6d.

This leaves £141,241 11s. 11d. to be met by the Consolidated Revenue, for the purpose of liquidating that portion of the interest not recouped by the net revenue derived from the lines.

The net revenue of the year is equal to 4.376, or £4 7s. 6d., per cent. upon the total capital borrowed, being an improvement upon last year's results of 0.356 per cent.

The total cost of construction, including the non-interest bearing moneys expended, was, however, £15,343,240 6s. 2d., and on this the net revenue paid was 3.85, or £3 178., per cent. \$,

To show the actual results of the year's work, however, it will be necessary to eliminate from the expenditure on construction all moneys which had been spent on lines not opened for traffic at 31st December last, a proportionate amount from such other lines as were only open during a portion of the year, and half the cost of the bridge over the Murray at Echuca.

The total of these deductions approximately amounts to $\pounds_{438,000}$, after allowing for which, the net revenue gives a return upon the capital productively employed, of, as nearly as possible, 4 per cent.

Until last year, and as stated in previous Reports, the Department had never received credit for the interest allowed by the associated banks on the balances of the loan moneys deposited with them, or lying to the credit of the Public Account, although it has been faithfully debited with every penny of the interest paid to the bondholders.

During 1877, as shown in my last Report, a sum of £39,018 2s. 6d. was credited to the Railways by the Treasury on account of interest allowed by the banks on Loan moneys deposited with them; but this is only one item of what must in the aggregate amount to a very considerable sum, and, as it is only fair that the Department should receive credit for all interest received on unspent balances of the Railway Loans, as well as be debited with the interest payable to the bondholders, an attempt is being made to obtain from the Treasury full particulars of such interest, so that in its accounts the Department may be duly credited with the same.

There is no doubt but that such interest reduces considerably the amount to be made good annually by the Consolidated Revenue on account of the railways, and I trust in my next to be enabled to lay before Your Excellency a complete statement in this respect, and thus to show (as is only fair) that the loss sustained by the difference between the net revenue derived from working the lines, and the amount payable for interest on the borrowed capital, is much less than has hitherto been shown by the accounts.

CAPITAL ACCOUNT.

The total expenditure on Capital Account reached, at the 31st December last, a sum of $\pounds_{15,343,240}$ 6s. 2d., exclusive of a further sum of $\pounds_{170,006}$ 15s. 9d., the value of the unused plant and materials available for purposes of further construction, or completion of those lines still in progress.

The expenditure incurred during 1878 amounted to £780,255 19s. 8d., and the following will show in detail the various heads under which the expenditure took place :—

	a one, an	
Sheds and Workshops, Melbourne	£950 13 3	Additions to Workshops.
"Williamstown	1,562 0 5	Ditto.
New Lines to Dock, &c., ,,	146 5 10	
Machinery, Tools, &c., "	1,900 18 0	
General Construction Account	2,512 6 9	Administrative charges.
<u>,</u> , ,,	7,481 14 0	 Loss on sale of old and useless plant, &c.
Continuous Brake	1,681 9 1	
Engineer-in-Chief's Offices	507 1 2	Alterations and additions to offices.
Exchange and Discount Account	306 16 10	Exchange on remittances to London.
Fitting up Williams's Workshops	134 18 6	•
Proposed Locomotive Workshops,		
Williamstown Junction	13 0 0	
	- Maleran - Margana Andrew - State	
Total General Account	£17,197 3 10	
•		,

General.

Return No. 6.

		0)			
	77		G	Louis		¥.
	North		Sys	tem,		
Melbourne Station	45,166		8			See page 6.
Main line to Sandhurst	3,187	14	8	* * *		Completing line.
Echuca line	9,387	I	0	* * *		Echuca station, wharf, &c.
Castlemaine and Dunolly line	1,034	5	I	•••		Completing line.
Ballarat and Maryborough line	1,020	13	10			Ditto.
Maryborough and Avoca line	1,162	4	6	•••		Ditto.
Sandhurst and Inglewood line	500	6	I			Ditto.
Dunolly and St. Arnaud line	104,706	10	7	***		Construction of line.
Carlsruhe and Daylesford line	3,551	5	10	* * *		Ditto.
Total Northern System	• • •			169,716 12	3	
	West	ern	Sys	tem.		
Williamstown line	7,513		10	•••		Construction of Western pier, &c.
Geelong and Melbourne line	4,861	- /	6			Additions and alterations, Geelong station, &c.
Geelong and Ballarat line	2,911	6	3			Additions to Ballarat station, &c.
Ballarat and Ararat line	3,635	Ī				Completing line,
Ararat and Stawell line	936	9	I			Ditto.
Ararat and Hamilton line	19,181	7	5			Construction of line.
Geelong and Colac line	30,672	18	I			Ditto.
Portland and Hamilton line	36,598	6	6			Ditto.
Stawell and Horsham line	127,844		` Ğ	•••		Ditto.
Geelong and Queenscliff line	36,610	I	3			Ditto.
Warrenheip and Gordons line	20,970	I	5	•••		Ditto.
Wartenneip and Gordons mie						
Total Western System	•	•		291,735 10	9	
	North-E	last	ern ,	System.		
Essendon line	627		~	5		
NT. (1) The stress line s	10,819	43		4.00	7	Additional station accommodation, &c.
Wangaratta and Beechworth line		3 19	3	•••		Ditto.
Springs and Wahgunyah line	1,397 33,151	-		• • •		Completing line. Construction of line.
Avenel and Shepparton line	6,645	4 6	5 7	***		
Avener and onepparton inc				8 8 R 1		Ditto.
Total North-Eastern System		•		52,640 17	I I	ı
	East	ern	Sus	tem.		
Oakleigh to Sale line			-3			Construction of line
	77,742 38,835	1 6	6	• • •		Construction of line.
South Yarra and Oakleigh line	30,035	0	U	D + 5		Ditto.
Spencer and Flinders streets Connection	156	6	8			Surveys and plans.
				• • d		buiveys and plans.
Total Eastern System		•		116,733 14	9	
	Roll	linn	r-stoc	.7.		
n :		-		/N•		Completing 9 engines, and payments on 19 in
Engines	42,986		-			Completing to passenger vehicles and 390 wagons,
Carriages, Wagons, Vans, &c.	73,826	9	2	¢ ♦ ♦		&c., and payments on 18 passenger vehicles and 145 wagons, &c., in course of construction.
	\			-116,812 19	9	
Preliminary Surveys	••	•		2,103 б	ó	Trial surveys of lines not authorized.
Murray River Bridge (Echuca)	• •	•		13,315 14	5	Half to be paid by N.S.W. Government.
						•
Total Expenditure for the y	ear 1878		••••	£780,255 19	8	
						-

The items comprised in the foregoing which call for more than a passing remark are those of the

MELBOURNE STATION,

 $\pounds_{45,166}$ 10s. 8d., and rolling-stock, $\pounds_{116,812}$ 19s. 9d.; the remaining expenditure being generally for the construction of lines authorized by Parliament, and which were, during the year past, in progress.

.

I stated in my Report for 1877 that it was my intention, as far as practicable, to have all the alterations and additions made in accordance with the general plan of the station adopted by me, a copy of which appeared in the Appendix to that Report. This has been carried out as far as the works have progressed, and although much necessarily remains to be done, sufficient advancement has been made with the work to enable trains to leave or enter the Melbourne station in safety, which twelve months ago was almost an impossibility.

The large number of shunters, pointsmen, yardsmen, &c., has disappeared, and the expense connected with them, and in their stead three signal boxes fitted with McKenzie and Holland's patent interlocking apparatus have been erected, which easily and effectively control every movement in the yard, whether of ordinary trains or shunting, with the chances of accident reduced to a minimum. The savings in the cost of employing a special shunting engine, together with the wages of the men above referred to, amount to $\pounds 4,108$ per annum, irrespective of other contingent savings consequent on the reduced wear and tear of the permanent way, &c.

The additions to the timber station (known as the "lower-level sidings") have been rendered necessary by the alterations required in the goods station yard, and the increase in the timber and firewood traffic. On these sidings, 175 allotments had been leased on 31st December last, at an aggregate yearly rental of $\pounds 1,338$ 10s., or 18.23 per cent. upon their total capital cost of $\pounds 7,343$ 8s. 6d.

Having in view the low rate at which firewood is carried by the Department, it is the more satisfactory to find that the leasing of these allotments gives a good return upon the capital expended upon their construction.

In orderator carry out the plan of the goods station yard, and to obtain the required room at a proper level, it has been found necessary to continue the extension of the embankments on the western side, and for this purpose all the available spoil in and around the station has been made userof, and the arrangement with the Harbor Trust as to the silt dredged by them from the River Yarra, and noticed at pages 7 of my last Report, has been continued.

The enormous amount of earth required, however, necessitated some cheaper and more expeditious plan of obtaining spoil for the purpose, than either cutting down rocky banks, or hauling silt from the river bank, which latter also contained a large proportion of water; and to this end it was at first proposed to purchase a block of ground near the Melbourne Racecourse, consisting of about ten acres, at a cost of about $\pounds_{2,000,10}$

The proposed method of procedure, had this course been adopted; was to remove the whole of the hill of which the land consisted, with the exception of the surface soil, and after bringing the whole of the block to nearly one common level, only leaving sufficient slope for drainage, to re-spread the surface soil over the whole area and re-sell the land. In the meantime some trial shafts put down in the swampy ground on the western side of the station reserve, in order to test the fitness or otherwise of the soil; for the purposes required, revealed the fact that it was of a nature specially fitted for the work, and obtainable at a much less cost per cubic yard than either the silt or any land along the line of railway.

The cost of its removal also would necessarily be much less, as the material was close to where it was required, and a line on which to carry it already existed on the ground in the shape of the silt line.

I therefore determined to obtain the necessary spoil for the extension of the station embankments from this source, and to this effect a large side-cutting pit has been commenced.

In order to utilize to the fullest extent the labor employed upon this sidecutting pit, I gave directions that the excavation should be made in the form of the dock shown on the plan of the new Melbourne station attached to my last Report, so that while the spoil is being obtained more cheaply than hitherto, the excavation also can be further utilized at any future time should it be deemed advisable to construct a railway dock on the station reserve.

About 505,374 cubic yards have been used in connection with the embankments referred to, and the reclamation of land on the reserve, and the following will show as nearly as possible the sources from which this quantity was obtained and the cost per cubic yard of each :—

	Cubic yards.	Cost per.c. y. (Approximate.)
Wet silt from Harbor Trust dredges	165,522 56,882 24,528 49,902 74,430 38,626	s. d. 1 3 1 6
	208,540 505,374	IO

The total area of the land reclaimed by means of spoil taken from the side-cutting pit is about 9 acres, exclusive of the land made available for the requirements of the Melbourne station. The number of workmen employed upon this excavation, and the removal and deposit of the spoil, averages about 400.

Rolling-stock.

The amount expended under this head was		· ··· · · ·		
For Engines	•••	£42,986	10	7
And for Wagons, Vans, Carriages, &c.	•••	73,826	9	2
Making a total of		£116,812	19	9

The additions in 1878 were 28 engines, 28 passenger vehicles, and 535 goods and other vehicles, inclusive of such as were in course of construction but not completed at 31st December.

But there were also added during the year 104 more miles of line; the whole of which were opened for traffic at the end of the year, and it will be seen, therefore, that, notwithstanding all the efforts of the Department, the rolling-stock is still far from adequate to the requirements of the lines, and is in fact considerably behind what it was in 1876, and only slightly improved as regards the stock of engines and goods vehicles as compared with last year.

As regards passenger vehicles, the lines are more poorly equipped than ever, as will be seen by a glance at the column headed "Number per line mile" in the following table :---

; • .			Engines.			Passenger Vehicles.			Goods Vehicles.		
Date.	Miles Open.	Total Number.	Number per Line Mile.	Train Miles run per Engine.	Total Number.	Number per Line Mile.	Train Miles run per Passenger Vehicle.	Total Number.	Number per Line Mile.	Train Miles run per Goods Vehicle,	
1876 1877	702 931	124 139	0°176 0°149	20,367 20,048	258 276	0.367 0.296	9,789 10,097	2,146 2,318	3°057 2°490	1,177 1,202	
· 1878	1,035	167	0°161	18,536	304	0*293	10,182	2,853	2.756	1,085	

In drawing Your Excellency's attention to the above, I can only reiterate the remarks made by me on this subject, at page 9 of my last Report, and again state that a considerable sum is necessary for the proper equipment of the lines. The £180,000 authorized by Parliament in the Second Schedule to the Loan Act No. 608 will meet this urgent want to a great extent, whenever such moneys become available; but at present the revenue derivable from the working of the traffic is kept down from want of sufficient stock to cope with the steadily increasing tonnage of goods requiring conveyance.

This subject has been so fully set forth and dealt with in the Reports for 1876 and 1877 respectively, and has been at various times so thoroughly brought under the notice of Parliament in different ways, that to dwell upon the subject further is I feel unnecessary.

New Lines.

During the past year the following new lines of railway were duly sanctioned by Acts of Parliament :---

1878. No. of Act.			Line.	Length.			Rate per Mile.	
0	42 Vict., 603 42 Vict., 604 42 Vict., 606	•••	Goulburn Valley Railway South Yarra and Oakleigh Carlsruhe and Daylesford			64 93	£ 5,750 25,000 6,775	

The following contracts for construction of lines authorized were let by tender during 1878, at the various dates shown :---

Dates, 1878.	Line.	No. of Act.	Length.	Amount.	Contractors.	Amonnt per Mile.
2nd Mar. 18th Mar. 18th Mar. 20th July 21st Aug. 13th Sept. 24th Sept.	Warrenheip to Gordons	580 } 580 580 580 580 604	Miles chs. lks. 32 79 68 53 40 70 13 76 83 20 56 85 13 5 82 6 63 93	£ s. d. 71,974 0 8 118,271 13 6 30,463 11 3 58,977 7 6 40,901 12 4 48,868 4 2	Monie and Mattinson D. Leslie and Co Fishburn and Morton Topham, Angus, and Smith King and Co J. F. Higgins and Co	£ 2,181 2,210 2,182 2,848 3,129 7,188

Of the foregoing, the only one which calls for special comment is that from South Yarra to Oakleigh, a distance of nearly seven miles.

This extension will form, with the aid of that portion of the late Melbourne and Hobson's Bay United Railway comprised between South Yarra and Melbourne, the connecting link between the metropolis and the Gippsland line, or the Eastern system, at Oakleigh.

In the remarks upon the revenue accounts of this system, it will be found that the extensions of this line and the increased facilities for traffic have been duly followed by largely increased revenue; and it may fairly be assumed that the still greater facilities for traffic which will be afforded by the stations of this system being brought into direct communication with Melbourne, will result in a further considerable accession to its revenue.

For the purposes of construction of this extension Parliament sanctioned the expenditure of a sum not exceeding $\pounds 25,000$ per mile.

This large expenditure was rendered necessary from the following causes :---

First. The high value of land in the suburbs through which this line was to pass.

Second. The number of road-side stations, averaging one to each mile.

Third. The expense of preparing a portion of the Flinders-street Terminus, on the eastern side of Prince's Bridge, for the dispatch and reception of passengers and goods, without which the line would have been incomplete, as the traffic could not be carried by the Government rolling-stock, under the approach to Prince's Bridge, to the Hobson's Bay Railway Station ; neither would that station have furnished the requisite accommodation.

There now remains but one other link to be added, viz., that between Spencer and Flinders streets stations, to unite the *Southern-Suburban* and Eastern sytems with the rest of the lines in the colony.

The advantages of this being done are so obvious, both to the Department as regards the interchange of rolling-stock, and to the public as regards the convenience of passengers and the facilities for goods and live stock traffic, that, in my opinion, it cannot be completed too soon.

REVENUE ACCOUNT.

The gross Revenue earned by all lines during 1878 amounted to $\pounds 1,216,675$ 4s. 10d., being $\pounds 80,876$ 12s. 10d. in excess of that for 1877.

The average miles open for traffic during 1878, however, exceeded those of 1877 by 180 miles, and the remarks which appeared in my last Report, to the effect that the increase of Revenue does not keep pace with the increased length of mileage opened for traffic, will again apply with increased force to the results of the year under review, as the following table will show :---

TABLE showing the Gross Earnings, Working Expenses, and Net Earnings, per Mile, for the last Five Years.

Year.		Average Miles Open.	Earnings per Mile.	Expenses per Mile.	Net Profits per Mile.	
1873-4 1874-5 1875-6 1877 1878	••••	414 541 608 787 967	£ - 2,056 1,701 1,636 1,443 1,258	£ 905 890 821 753 647	£ 1,150 810 815 690 611	

It will be seen from the foregoing that while in 1877, with an average increased length of 179 miles above that which was open for traffic in June 1876, the decrease in the receipts was £193 per mile per annum, as stated in my last Report.

In 1878, with an increased length of 180 miles over that of 1877, a decrease in the receipts took place to the further extent of £185 per mile open. No. 9. B

waste wild an even had	5 BAY FA THE	1.04. 1.200 1.		
MADEGISOL CITE AN COURT NEED	1877.	1878.		
	(787 miles.)	(967 miles.)	Increase: 1	all pecrease. House
JEG BLOK CO WAR DE LES	PET AL ASSA DE ANA	· Car Block and Arris	Contraction of	
Passengers	\pm , s., d. 378;118 9 3	$\pounds s. d.$	£ s. d. 46,385 16 0	Gertand.
Parcels, &c.) it		28,665 11-8.	W 127 . 4	··· 1;805; vo. 1
Horses, Carriages, and Dogs	12,727 8 5	13,881. 6 5	1,153 18 0	····
Mails	22,143 5 8	29,449 ï 8	1,3-3	***
Rents	12,323 .7. 8	13,774 6 3		· · · · · · · · · · · · · · · · · · ·
Miscellaneous	4,675 17 11	5,076 2 0	400 4 I	
Live Stock ,	56,481 14 2		जनसम् <i>भेग्राचे विभोग</i> स	4;000 17 0
Goods and the second second second	618,857, 17. 2.	4 648,84314 5 _r ,	. 29,985 17, 3	r
	1,135,798: 12 0	1,216,675 4 10	86,682 9 11	5,805 17 1
	1. The Million	Net Increase		80,876 12 10
			······································	

The details	of the	increase	of £8	0,876 12s.	10d. are	e thus shown :–

It will be observed from the preceding figures that there has been a general increase in every branch of traffic with the exception of the items of parcels and live stock.

In the former the decrease is owing to the large reductions made in the rates for carriage of parcels, by the bye-law of the 13th December 1877, which came into operation on the 1st January 1878, and a copy of which was attached to the last Report. (*Vide* Appendix to Report of 1877, pages 51-2.)

table principally to the long drought, extending during the past year over the greater portion of the Australian continent, and in a lesser, degree to the Stock Tax, which has, to some extent, diverted that branch of traffic from Melbourne to Sydney.

In the case of the parcels traffic, it is hoped that the facilities given for their carriage, together with the reduced rates, will give such an impetus to this branch of the Railway Revenue as will soon more than compensate for the present triffing loss, and result in a largely increased business, and consequent receipts. If, however, this branch of the business does not improve shortly, it will be necessary to revise the rates, so as to render them remunerative.

The expenditure on working expenses amounted to £625,699 2s. 4d., or 51.43 per cent. of the receipts.

In this sum is included, in addition to the ordinary expenditure for maintenance of way, works, stations, and repairs of rolling-stock, &c., all amounts expended on renewals, together with the various sums paid as compensation to officers of the working branches whose services were dispensed with ; also, all the cost and charges of remodelling the Stores Branch, having the whole of the stock thoroughly taken, properly arranged and classified, and its value accurately ascertained, and the useless and obsolete articles disposed of by auction of tender.

In fact every item of expenditure not strictly chargeable to capital account has been faithfully charged against the Revenue, and with this result, that the working expenses for 1878 were 0.73 per cent. lower than they were in 1877.

· · · · · · · · · · · · · · · · · · ·	I ERCENTA	GE TO REVENUE.	<u> </u>	C+ .
n)	1877.	1878.	Increase.	Decrcase.
Maintenance Loco. Charges Traffic Charges General Charges	14.67 	12•77 16:83 20•43 1•40		1·90
a na se sta an sta an se sa	. 52.16	51.43	1.17	1.90
-	Net Decrease	· · · · ·	0.73	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

While, however, the foregoing shows the maintenance as having been kept up at a smaller cost in proportion to the revenue earned, it must be borne in mind that the cost of working the various branches is affected more by the amount of work done than by the revenue earned, as it is evident that the expenditure would still remain if the work were performed for nothing.

The succeeding return will show how each branch was worked in proportion to the work performed :---

		Cost per I	Train Mile.	T	Decrease.	
—		1877.	1878.	Increase.		
		s. d.	s. d.	s. d.	s. d.	
Maintenance		1 2.32	I 0.02	•••	0 2.30	
Loco. Charges	(I 3.22	i 3.88	0 0.29	•••	
Fraffic ditto	•••	1 7.82	1 7.27		0 0.22	
General ditto		0 1.27	0 1.35	0 0.02	•••	
		4 3.03	4 0'52	0 0.34	0 2.85	
	1	Net Decrease		0.2.51	•••	

The net Revenue, after providing for all working expenditure, was $\pounds_{590,976}$ 2s. 6d.

The number of passenger journeys made, including holders of periodical tickets, was $3,829,255\frac{1}{2}$, being an increase over 1877 of 433,547, as shown by the following table :--

			1877.		1878.		Increase.	Decrease.
System.	1	Average Miles Open.	Passengers.	Average Miles Open.	Passengers.	Average Miles Open.	Passengers.	Passengers.
Northern Western North-Eastern Eastern	•••	291 253 210 33	799,323 ¹ 1,895,186 683,168 ¹ / ₂ 18,030 ¹ / ₂	296 348 210 113	777,454 2,178,056 774,888 98,856	5 95 80	 282,870 <u>1</u> 91,720 80,826	21,869 <u>1</u>
1		787	3,395,708 1	967	3,829,2552	180	455,416 <u>1</u>	21,869]
		-	'Net	Increase	•••	***		433,547

The average distance travelled by each passenger was 23.21 miles, at an average revenue of 2s. 2.61d., or at the rate of 1.15d. per mile.

The goods carried totalled 3,829,256 tons, carried an average distance of 65.47 miles, at an average rate of 13s. 11.37d., equal to 2.56d. per ton per mile.

The train mileage, including special trains, totalled 3,095,590 miles, being 309,009 in excess of 1877.

The piloting and shunting represented 670,917 miles, or a gross total of 3,766,507 miles.

NORTHERN SYSTEM.

This system has been increased in length during the past year by the addition of the line from Dunolly to St. Arnaud, a distance of 33 miles.

As, however, this extension was only open from Dunolly to Bealiba, 12 miles, from September the 3rd, and from Bealiba to St. Arnaud, 21 miles, from December 23rd, the average extra length of line open in 1878 above that of 1877 was 5 miles only.

The gross revenue earned was $\pounds_{512,953}$ 4s. 5d., showing a falling off, as compared with 1877, of $\pounds_{10,532}$ 18s. 10d.

в 2

	1877. (291 miles.)	1878. (290 miles.)	Increase.	Decrease.
Parcels, &c Horses, Carriages, and Do Mails Rents Miscellaneous	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	£ s. d. 	£ s. d. 2,922 8 11 3,416 4 .4 378 18 6 24 13 0 11,911 1 9
· · · · · · · · · · · · · · · · · · ·	523,486 3 3 Net Decrease	512,953 4 5	8,120 7 8	18,653 6 6

The decrease has taken place in the revenue derived from the carriage of

The working expenses amounted to £241,000 3s. 4d., being equal to 46.98 of the receipts, or at the rate of 2.50 per cent. lower than in 1877.

This low rate of working, as compared with the previous year, has more than counterbalanced the falling off in the receipts, as the balance of profit, after paying all working expenses, is £271,953 is. id., as against £264,436 6s. 5d. in 1877, or a difference in favor of 1878 of £7,516 14s. 8d.

The average earnings per mile have fallen from £1,797 to £1,734 The reduction in the expenditure is owing entirely to the decrease in the Maintenance Account, the heavy renewals made during 1877 having naturally the effect of lightening the charges in this respect during the past year.

The following will show the expenditure under the different branches for the two years :---

		1 .		•				1 the second
	and the second s	1877.		1 .	1878.	ی. بر	, u	
· · · · · · · ·	., Amount.	T T	ost Per Cent. to Rever. ile. nue.	Amount.	Cost per Train, Mile.		Increase.	Decrease.
Waintananaa		d. s.,	d.	£ s.	d, s. d .	1 10181	£ s. d.	
Maintenance Loco. Charges	75,105 13 81,089 6	-8 1	4.12 12.49	55,460 10 82,664 14	11 1 4.7	6 16.11	-1,575 8 3	19,645 3 9
Traffic ditto General ditto	.96,079 5 6,775 10	.1.1 1	7.11 18:35 1.35 1.29	95,715 19	2. 1. 7.4	0 18:66	W. T. M. Lamo	363 6 9
	259,049 16	10 4	3.21 49.48	241,000 3.	4 4 0.8	5 46.98	1,958 17	20,008 10 6
	·, ···· ··			1 1	5. F	· 171		अर्थन भूतः ।
all Bellette	agen gen		net Dec	rease	ar (x 👬 👘	••••	18,049 13	EL:

The second second second second second

The train miles run were 1,184,012 and a set of the set of the set The number of passenger journeys made were 777,454, or 21,870 less than in 1877.

The decrease of live stock carried was 6,776 tons, the figures for the two years being-1877, 22,984 tons ;; and 1878, 16,208 tons.

The goods tonnage was 351,203 tons.

The revenue per train mile run averaged 8s. 7.98d., and the expenses 4s. 0.85d.

The total cost of the 324 miles of line included in this system was-at the 31st December, £6,476,487 is. 10d., and on this, the net revenue of the year (£271,953 1s. 1d.) was equal to 4.20 per cent.; but as £112,975 was expended on the

Dunolly and St. Arnaud and Carlsruhe and Daylesford lines, of which $\pounds_{98,000}$ was not remuneratively employed at 31st December, the capital cost will thus be reduced to $\pounds_{6,378,487}$, showing a return of 4.26 per cent.

WESTERN SYSTEM.

A considerable extension of this system has taken place during the past year, the total length at 31st December last being 383 miles, as against 343 at the close of 1877.

But as a considerable length of the 343 miles was only opened towards the end of 1877, it follows that there is a still greater increase in 1878 in the average mileage open for traffic when compared with 1877.

The average length in 1877 was 253 miles only, whereas in 1878 the average was 348 miles, so that, although there was only an increase in length of 40 miles during 1878, the average length worked was 95 miles in excess of 1877.

The gross revenue amounted to £391,091 158. 4d., being an increase over the previous year of £45,796 118. 6d.

The average amount earned per average mile open, however, decreased from $\pounds_{1,365}$ to $\pounds_{1,125}$.

This is accounted for by the fact of the extensions between Ararat and Portland, and Geelong and Colac, representing 170 miles of line passing through very thinly populated districts, and consequently reducing the average earnings per mile.

	1877. (253 miles.)	1878. (348 miles.)	Increase.	Decrease.
Passengers Parcels, &c Horses, &c Mails Rents Miscellaneous Live Stock Goods	£ s. d. 142,598 4 4 10,290 16 0 4,222 18 3 6,472 5 4 4,714 14 10 2,320 9 11 4,419 16 6 170,255 18 8 345,295 3 10 Net Increase	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	£ s. d. 123 0 4 45,796 11 6 45,919 11 10

The following gives the items showing the increase and decrease alluded to :---

The expenditure amounted to $\pounds 225,908$ 5s. 9d., or 57.76 per cent. of the receipts.

The details of the items showing the increase of expenditure over 1877, and amounting to $\pounds 28,254$ 6s. 2d., are given in the subjoined table :—

	18	77.		• 18			
		Cost per Train Mile,	Per Cent. to Revenue.		Cost per Train Mile.	Per Cent. to Revenue.	Increase.
Maintenance Loco Traffic General	£ s. d. 57,890 16 9 57,202 6 11 78,092 15 3 4,468 0 8	s. d. 1 4.07 1 3.88 1 9.67 0 1.24	16.77 16.57 22.61 1.29	£ s. d. 59,680 14 7 70,475 1 10 90,306 18 2 5,445 11 2	s. d. 1 1.17 1 3.55 1 7.92 0 1.20	15.26 18.02 23.09 1.39	£ s. d. 1,789 17 10 13,272 14 11 12,214 2 11 977 10 6
	197,653 19 7	4 6.86	57'24	225,908 5 9	4 1.84	57.76	28,254 6 2

The train miles run amounted to 1,087,898, at an average cost of nearly 4s. 2d. per mile.

The number of passenger journeys made amounted to $2,178,056\frac{1}{2}$, being an increase of $282,870\frac{1}{2}$ on that of 1877.

Of live stock, 6,001 tons; goods and general merchandise, 367,988 tons, were carried during the year on the lines comprised under this system.

The cost of construction at the 31st December 1878 amounted to $\pounds_{4,654,861}$ 5s. 6d., and on this the net revenue of $\pounds_{165,183}$ 9s. 7d. was equal to 3.55 per cent., and allowing for the non-productive capital ($\pounds_{187,000}$) spent on lines not open for traffic, to 3.70 per cent.

NORTH-EASTERN SYSTEM.

<u></u>. 57

The mileage length of the system remains the same as last year, no additions having been made during 1878.

The gross revenue again shows an increase over that of the previous year, being £266,711 6s. 1d., or £5,846 5s. 2d. more than 1877.

The percentage of working expenses to revenue is slightly increased, being 50.17, as against 49.61.

The amount is $\pounds 133,813$ 118. 5d., leaving a profit on working of $\pounds 132,897$ 148. 8d., which is equivalent to 7.27 per cent. on the cost of the lines, viz., $\pounds 1,827,162$ 78. 6d.

Deducting, as in the case of previous systems, the capital expended on extensions not open for traffic, and which may be stated at $\pounds 40,000$, the net revenue shows a profit of 7.44 per cent. In 1877 the result was 7.41 per cent.

•			1877. (210 miles.)			187 (210 m	Increase.				Decrease,				
••			£	\$.	d.	£	8.	<i>d</i> .	£	ʻ s ,	d.		£	s.	d.
Passengers	•••	••• .	74,339	4	5	. 77,952	о	8	3,612	16	3				
Parcels, &c.	•••		5,959	17	2	6,355	I 2	5	395	15	3		••	•	-
Horses, &c.	•••		2,916	10	7	3,264	8	10	347	18	3		, 		
Mails	•••	• ••• •	- 7,659	6	2	.7,473	12	6		•		.	185	13	8
Rents	•••		2,782	12	-5	3,451.	9	6	668	17	I	[••		
Miscellaneous	•••		324	13	7	- 51	2	10	••	•			273	10	9
Live Stock	•••		10,637	1	4	12,894	5	8	2,257	4	4		••	•	
Goods	•••		156,245	15	3	155,268	13	8	••	•			977	1	7
· · ,	-	-	260,865	0	11	266,711	6	I							
• • •			Ne	et In	ncreas	se		•••		•			5,846	5	2
			,						• 7,28	2 1 1	2		Ź,282	iı	2

The details of the increase of revenue are shown as follows :----

The	details	of t	he	working	expenses	were	as	under	:
- A A A A	acounto	U L U		WOLDING	CAPCIDOD -	W CLC	COL3	or no s	•

			187	7.					18	78.								
		-		pe	Cost r Train Mile.	Per Cent. to Revenue.					Cost er Train Mile.	Per cent, to Revenue.	Increase.		Increase. Decrease		ase.	
	£	<i>s</i> .	d.	s.	d.		£	<i>s</i> .	d.	s.	d.		£	8.	d.	£	<i>s</i> .	d.
Maintenance Loco Traffic General	31,530 41,358 53,153 3,380		5 5 6 1	0 1 1 0	11.05 2.49 6.62 1.18	15 ^{.8} 5 20.37		0 13	10	1 1		16.83		7	8 4 11		•	, I I
-	129,422	13	5	3	9'34	49.61	133,813	11	5	3	11.07	50.14						
						<u> </u>	Net Inc	erea	se				•	••	;	4,390	18	0
													6,053	18	11	6,053	18	11

The increase in the number of passengers travelled amounted to 91,720, the numbers being 683,169 and 774,889 for 1877 and 1878 respectively.

The live stock carried amounted to 7,634 tons, and that of the goods to 196,250 tons.

There was a decrease of 2,708 train miles run, the numbers being 685,006 in 1877, against 682,298 in 1878.

EASTERN SYSTEM.

The remaining portion of this line between the 1st and 3rd section was opened for traffic on the 1st of March, and the line was thus made continuous from Oakleigh to Sale, a distance of $118\frac{1}{4}$ miles.

The average length opened throughout the year was 113 miles, and on this a gross revenue of $\pounds_{45,918}$ 19s. was earned.

This is equivalent to £406 7s. 3d. per average line mile opened, as against £189 6s. in 1877, when the length was $32\frac{1}{2}$ miles, showing conclusively, that the revenue of this line increased largely with the facilities for traffic. On this system remarks on the comparison of the accounts for the two years

On this system remarks on the comparison of the accounts for the two years would be valueless, as there was only a small portion of it available for traffic in 1877. The amount spent on construction was £736,538 7s. 9d., the net revenue being £20,941 17s. 2d., equivalent to 2.84 per cent, on capital cost.

On this system the capital not remuneratively employed in 1878 amounted to $\pounds 69,000$, and deducting this from the total cost, the net revenue earned gives a return of 3.14 per cent.

of 3.14 per cent. The following tables will show the particulars of the revenue and expenditure on this system :—

	•		REVENU	E.		÷ .	
	2 • • • • • • • • • • • • • • • • • • •	1	1877. miles.)	1875 (113 mi) 15 (2012)	les.)	e o o o o o o o o o o o o o o o o o o o	crease, "- 1"
Passengers Parcels, &c. Horses, &c. Mails Rents Miscellaneous Live Stock Goods		41 11 - 123 1,34	36 9 9 34 7 0 4 35. 13 4 3 12 6 49. 8,11	, 1.3.947.	3 0 16 ¹ 4 ² , 10 9 19 10 3 9.7 1 6 10 5 13 5	£ 21,668 1,338 834 2,750 4 201 370 ,12,598	9 4 .17 5 7 4 .11 3 1 6 10 5
	n úto ser ereg		2 4 0 E 1 91 E.	45,918		39,766	-
	an an Parata		Expendit	URE.	14 44121 H	er en	(15,12) St (1)
		1877. Cost per Train Mile.	Per Cent. to Rovenue.		1878	Per Cent. to, Revenue.	Therease.
Maintenance ' Loco Traffic General	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	I 445 0 1144 I 1043 0 059	3.3338; 23:21, 45:50 1:119:1	5,791 1 1 7,7140 6 1 7,7140 6 1 5,794 12,10 6,791 1 1 7,7140 6 1 5,791 10	2 1 12 5:66 0 11:53 1 0 12 0 0 012 0 0 0 00 0 0 0 0	33122.65 ¹ 3 14:79 y. 15:55 16:1499:0	5,363, 5 3 4,340 16 0 571 3 4

On this system 141,382 train miles were run, 98,857 passenger journeys made, and 14,934 tons of goods and 261 tons live stock carried.

STORES.

In my last Report allusion was made to the alterations which had been affected in the general management of the Stores Branch, and of the beneficial results arising therefrom as regarded economy and despatch of business.

The experience of the past year fully confirms what I then stated.

Since the close of 1876 the large reduction of 30 per cent. in the value of stores kept in stock has been made, and that in the face of an increased line mileage of from 702 to 1,035 miles, or $47\frac{1}{2}$ per cent.

It will of course be understood that this has no connection with the plant and material on hand for purposes of construction, but alludes only to the general stores kept in stock for working purposes.

The decrease of 30 per cent. on the value of the general stores gives, however, a very inadequate idea of the diminution in quantity.

At the time of the alteration in the management a large stock of stores of every description for the use of all branches of the Department was kept on hand, and as there were continual improvements being effected in the various kinds of materials, it followed that a large portion became obsolete, while other portions became of little or no value through deterioration.

These useless stores also occupied, much valuable space and required the same attention as if they had been useful stock.

The whole of the stock has now been carefully inspected, and the useless portion eliminated and sold either by tender or auction.

Perhaps, however, the most satisfactory and independent testimony to the value of the alterations made, is that supplied by Mr. Audit Commissioner Symonds, in his annual report to the Honorable the Treasurer, dated 31st December 1878, written after his inspection of this branch of the Department during the month of November 1878.

Mr. Symonds states as follows :---

"The Stores Accounts have always been a source of difficulty, as well to the Department as to the Commissioners of Audit; for it seemed impossible to place that branch upon a thoroughly satisfactory footing. On the present occasion, therefore, I was exceedingly gratified, not to say surprised, at witnessing the great change for the better which had comparatively recently taken place."

"By bold, but, as I think, well considered measures, large quantities of material and miscellaneous articles considered by the Department to be now useless and never likely to be useful for the service of this colony, have been got rid of, though at a great loss considered with reference to their original cost; the remaining articles have been carefully re-arranged, or are in course of being so, and stored in places suitable for their preservation. In the general storeroom the arrangement of the different articles required by the workmen seemed to be perfect, for they were made up in suitable parcels for delivery, and clearly labelled, so that even a stranger might in a short time acquaint himself with the whereabouts of each of the numerous descriptions of articles the store contains. Attention has been given also to the storing and preservation of the valuable machinery and railway material on the railway grounds. There is much yet to be done in the same direction ; but great progress has already been made, and it is to be hoped that nothing will occur to prevent the work now going on being brought to a complete and satisfactory finish. I think that large savings of expense have been, and will yet be effected, which will go far to compensate for whatever loss is sustained through the necessity of disposing of useless though costly material."

Of the materials in stock for purposes of construction, also considerable quantities were utterly useless, being of patterns now obsolete.

These consisted of various descriptions of truck-turntables, narrow-seated chairs, points and crossings, crossing chairs, old-fashioned axle-boxes and other castings, traversers, cranes, and sundry machinery, representing in the books of the Department large sums of money, but most of which had been lying in stock from twelve to eighteen years, and for which no use could be found.

It will be seen, therefore, that in addition to the general stores at Williamstown that the plant and material lying at the Williamstown Junction has been subjected to a thorough overhaul both as regards its condition and suitability for future use.

As above stated by Mr. Audit Commissioner Symonds, the clearing out of useless stock has not been done without a considerable sacrifice, having regard to the price at which it was originally purchased, but it will be apparent that such a sacrifice had to be made at sometime or other, and it was infinitely better to sell the articles not required while they still possessed some pecuniary value, than to allow them to remain on hand until their gradual and sure decay rendered them valueless.

In addition to the general working stores it has been found necessary to have on hand a large quantity of blackwood timber, for the purpose of building new rollingstock. The reason for keeping a large stock of this timber always on hand arises from the necessity of having it thoroughly seasoned before being brought into use.

The large amount of blackwood required by this Department for rolling-stock purposes renders it imperative that it should keep its own stock of thoroughly seasoned timber, which otherwise would not be obtainable at the time when it was required.

In order to secure a sufficient quantity of blackwood, and to allow the same ample time for seasoning before it is used, a contract was entered into on the 7th June 1878 for supplying nearly $\pounds 16,000$ worth.

For the storing of the timber under this contract, together with the other valuable timber already held by the Department, most of which latter is thoroughly seasoned, two of the old store sheds at Williamstown Junction have been converted into timber sheds, and an entirely new timber shed has been erected at Williamstown, in which, while protected from the influences of the sun and rain, a current of air has free access to every portion of the timber stored there.

For the latter, a sum of ± 500 was placed on the Estimates for 1878-9, which has proved sufficient for the purpose.

In this shed the whole of the valuable timber at Williamstown, large quantities of which had previously been stacked in the open air exposed to all weathers, has been properly stored.

The saving thus effected in the preservation of the timber will therefore in a short time fully repay the cost of the building, to say nothing of such timber being consequently better fitted for the construction of rolling-stock, and less liable to warp, shrink, or decay.

While on the subject of stores I need scarcely point out the fact, that the fuel necessary for locomotive power forms the most considerable item in the yearly expenditure for stores.

During 1878, 45,594 tons of coal were used by the locomotive branch, at a cost of $\pounds_{71,019}$, the contract price being at the rate of 30s. 8d. per ton screened and delivered in bags at Melbourne station, which, with sundry other charges, brought this cost up to 31s. 3d. per ton.

With a determination to reduce as far as possible the cost of this item, I, in October last, called for tenders for the supply of coal direct to the Department from the collieries at Newcastle, New South Wales, and at the same time for tenders for the carriage of the coal from Newcastle to Melbourne, Williamstown, and Geelong, as required. The result proved that the Department could obtain its coal delivered into the trucks at either of the three places above named at an average cost of slightly under 24s. 3d. per ton.

To this must be added the cost of weighing, shunting, haulage from Williamstown to Melbourne, clerical expenses, &c., amounting in the aggregate to nearly 3s. a ton, or a total cost to the Department of say 27s. per ton.

The estimated consumption for the year 1879 is 50,000 tons, and on this the difference between 31s. 3d. and 27s. amounts to £10,625 per annum.

After making all allowances for non-screening after arrival in Victoria, which would slightly reduce the above, it is evident that a large saving will be effected in this item during 1879.

As soon as proper accommodation for the vessels bringing the coal has been provided, at a point on the River Yarra within the Melbourne Station reserve, the expense of hauling the coal from the Williamstown Pier to Melbourne, a distance of over nine miles, as is at present being done, will be saved, and this will reduce the cost of the coal to the Department at least another shilling per ton, or $\pounds 2,500$ in addition to the $\pounds 10,625$ above quoted.

It is also intended to construct hopper trucks for the carriage and discharge of coal at the various depôts, which will effect a further large saving by doing away with the present expensive method of discharging the coal out of the ordinary trucks by hand labor.

With all this saving, however, it is evident that the cost of coal still remains an extraordinarily heavy charge upon the railway revenue, and I think the time has now arrived at which some thorough and systematic search for workable seams of coal should be inaugurated amongst the coal measures of Victoria.

At present we are totally dependent upon the neighboring colony of New South Wales for our supplies, while, for all that has hitherto been proved to the contrary, we may possess the same in abundance almost at our very doors.

At several points on the Gippsland railway the carbonaceous rocks are found in situ close to the line, and the discovery of a workable seam or seams at any of these points, so readily accessible, would prove not only most advantageous from a railway, but also from a national point of view.

A Victorian coalfield would mean cheaper coal for railway uses, and consequently reduced rates for railway carriage, the retention of the money in Victoria at present paid by the Department to New South Wales, and the employment of a large number of persons in a new industry, to say nothing of the immense benefit the colony would derive from such a discovery, and the impetus that would be given to manufacturés and trade of all kinds. It is evident, also, that in the event of the mother country engaging in a conflict with any maritime power, the blockade of either the port of Melbourne, or that of Newcastle in New South Wales, would very seriously interfere with the working of the Railways, and would in fact bring them to a standstill.

In a minor degree the supply of fuel to stations has also received my attention. By purchasing the firewood at the places where required, instead of, as heretofore, accepting large contracts for the same at two or three centres, and hauling the wood along the lines to the various stations, often considerable distances, a direct saving of £700 was made in the supplies of 1878, while the trucks hitherto used for this purpose were available for the ordinary traffic, in itself a very great desideratum, considering the scanty equipment of the lines with this description of rolling-stock. It has for some considerable time past been a source of complaint amongst the travelling portion of the public that passengers having once purchased a ticket for any station could only break the journey short of that destination provided it was resumed and completed within the day.

In cases where such journeys extended over long distances this was often found to be a great hardship.

After some little difficulty a very simple system of check at stations has been devised, which will completely protect the Department, and at the same time enable me to extend to passengers the privilege of breaking the journey at any intermediate point they may desire between the starting station and their destination ; the privilege to be in force for a limited period from the date of issue of each ticket, and in order to carry out which the ordinary tickets as at present used will suffice.

ECONOMY IN THE ADMINISTRATION

of the various branches of the Department has also received my earnest attention.

I have already alluded to the changes made in the Stores Branch, and the savings effected in its re-organization during the latter half of 1877.

These were but the beginning of a series of alterations in the management of the administrative branches contemplated by me, especially in the Engineering Branch, in order to assimilate its organization to that which obtains in the principal railways of Europe, America, and the neighboring colonies.

The political complications which occurred towards the close of 1877 and the early part of 1878, and in consequence of which the services of a number of officers were dispensed with, forced on the consideration of the intended alterations somewhat earlier than I had anticipated.

Every opportunity for perfecting the re-organization thus somewhat prematurely forced upon the Department has been taken advantage of, and experience has since proved that, although initiated under these somewhat unfavorable circumstances, they have been attended with satisfactory results.

It is impossible to give the pecuniary value of many of the improvements effected, but the following list of annual savings in salaries and wages, and one or two other items, will give some idea of what has been done in the way of reducing a large amount of expenditure :---

STATEMENT of AMOUNTS Saved Annually by Reductions and Re-organization of Offices, Station Works, &c.

Particulars.	Capit	Capital		Revenue.			Total.		
 Reduction of Officers in the Construction and Maintenance Divisions of the Engineering Branch Reduction of Officers in Traffic Branch Reduction of Officers in Accounts and Stores Branch Reduction of Officers in Secretary's Office Reduction of Cost of Coal by alterations of method of supply, calculated on the results of the first quarter of the present year Savings effected by the alterations in Melbourne Yard in connection with the Suburban Traffic, Expense of Shunting Engine, and Wages of Pointsmen, &c. 	£ 7,228 		đ. 6	£ 3,558 3,161 3,303 455 10,880 4,108	13 13 12 0	0 6 0	£ 10,786 3,161 3,303 455 10,880 4,108	19 13 12 0	0 0 0
£	7,228	6	6	25,466	18	9	32,695	5	, 3

During the past year an event of more than usual importance has taken place in connection with the extension of the Government lines of railway.

I allude to the purchase of the lines communicating with the southern metropolitan suburban districts, heretofore the property of the

MELBOURNE AND HOBSON'S BAY UNITED RAILWAY COMPANY.

The capital account of the Company showed at 30th June 1878 an expenditure of $\pounds_{1,016,266}$ 13s. 10d., which may be thus classified :—

Share capital-10,694	., at £50	per share		•••	£534,700	0	0
Debenture capital	• • •	•••	***	•••	465,300	0	0
Charged to revenue	•••	• • •		•••	16,266	13	10
	Total	•••	•••	•••	£1,016,266	13	10

This does not, however, represent the real cost of the construction of these lines, as, on the failure of the Suburban Railway Company, in 1865, the Melbourne and Hobson's Bay United Railway Company purchased their undertaking for the sum of $\pounds_{367,000}$, at which price it stands in their capital account, whereas the actual cost to the Suburban Railway Company was $\pounds_{800,830}$.

The difference between these two sums amounts to $\pounds_{433,830}$, added to the capital cost, as shown in the accounts of the Melbourne and Hobson's Bay United Railway Company, will give the actual cost of these lines as $\pounds_{1,450,097}$.

The purchase by the Government was sanctioned by Parliament on the 14th November 1878 under Act No. 617, the price given to the shareholders being at the rate of \pounds 80 per \pounds 50 share, with interest added at the rate of 5 per cent. until the purchase was completed by the payment of the money.

The amount paid by the Government for these lines was :---

10,694 shares at £80 Debenture capital	per share	•••	£855,520 465,300
*	Total	•••	· £1,320,820

All liabilities in connection with debenture capital, current contracts, leases, &c., were taken over by the Government, and the stores in stock taken at a valuation.

In the meantime and until the completion of the purchase, these lines are being worked on behalf of the Government by the officers and staff of the Company, under the control of the Company's Board of Directors.

Careful calculations show that, after paying for all working expenses, the interest to debenture holders and on the amount of $\pounds 855,520$ paid to the shareholders, the revenue derived from these lines will produce a clear profit of I per cent. to the Consolidated Revenue of the colony, with a fair prospect of increase.

But this fact represents only a portion of the advantages which have accrued to the Victorian Railway system by the purchase of these lines.

Prior to that being accomplished it will be remembered that the question of the connection of the Eastern railway system with the metropolis was beset with difficulties, which this purchase at once solved.

The whole of the railways in Victoria are now the property of the State, and their continual growing extent, value, and importance to the community renders it extremely improbable that the State will ever part with the control of them.

Appended to this Report will be found the annual reports of the Engineer-in-Chief, Locomotive Superintendent, and Telegraph Engineer on the working of the Branches under their control.

Also complete Balance-Sheets of the Accounts of the Department, brought up to the 31st December 1878, statements of the Revenue and Expenditure on each of the four systems, and sundry statistical and other returns, diagrams, plans, &c., giving a variety of practical information, and to these I beg to direct your Lordship's attention.

RECAPITULATION.

The results at the close of 1878, as regards the work of the year, may be

progress, and 67 more authorized, making in all 1,174 miles of railway.

The average length open during 1878 was 9661 miles.

The total borrowed capital was £13,503,693, and the yearly interest payable £732,218.

The total expenditure on construction at the close of the year was $\pounds 15,343,240$, giving an average cost of £14,824 per mile for the 1,035 miles open.

On this the net revenue paid 3.85 per cent., or calculated on the interest bearing capital $4\frac{1}{3}$ per cent.

The amount expended on capital account during 1878 was £780,256.

The gross earnings of the year were £1,216,675.

The expenditure was £625,699, or 51.43 per cent. of the earnings.

The balance of profit on working was £590,976.

The amount contributed by the Consolidated Revenue to make good the balance of interest not recouped by the net profit on working the lines was £141,242. The passenger journeys numbered 3,829,256, of an average length of $23\frac{1}{4}$ miles,

at an average cost to each passenger of 1.15d. per mile. م مراجع الم 5 1 5 Nine hundred and thirty thousand three hundred and seventy-five tons of goods were carried an average distance of $65\frac{1}{2}$ miles, at an average rate of slightly over $2\frac{1}{2}d$. per ton per mile. vertande en en pr

Thirty thousand one hundred and four tons of live stock travelled an average distance of 118 miles, at an average rate of $3\frac{1}{2}d$. per ton per mile.

The mileage run totalled 3,766,507 miles, divided thus :- Train miles, 3,095,590; piloting and shunting, 670;917;milestrate

There were employed in working the traffic 148 locomotive engines, 231 passenger vehicles, and 2,763 goods wagons and other vehicles. A suggestive start of the

The earnings per line mile open were £1,258, and per train mile run 7s. 10:33d.

The expenses per line mile were £647, and per train mileu4s...ofd, divided as follows :---Maintenance, 1s. ; locomotive charges, 1s. $3\frac{3}{4}d$. ; traffic charges, including. coaching, 1s. $7\frac{1}{2}d$; and general charges, $1\frac{1}{4}d$. office the second contraction to the con-

The	e different systems gave t	he followi	ng returns	s on the	eir capital	expendit	ture»:-	<u>.</u>
- 1	Northern System' 1 mil	na san shi sa	na an a	à'a∙l -	4:26.per	cent	4	
		•.• •		•••	3.70-4	,	•	
	North-Eastern System	vi + ●	ante con de			,, ,,	a	. 75
	Eastern System		•••	• • •	3.14	,,		

I have the honor to be

nt for this depict of

Your Lordship's most obedient servant, pursue and

an again three and reason to get Commissioner of Railways.

APPENDIX

VICTORIAN RAILWAYS.

APPENDIX TO THE ANNUAL REPORT OF THE BOARD OF LAND AND WORKS ON THE DEPARTMENT OF VICTORIAN RAILWAYS FOR THE YEAR ENDING 31ST DECEMBER 1878.

1. Report of the Engineer-in-Chief.

2. " Locomotive Superintendent.

3. " Telegraph Engineer.

4. Statement showing the contracts in progress at 31st December 1878 for stations, rolling-stock, and other works.

5. Statement of the funds authorized to be obtained on loan for the construction of Victorian Railways, and of the expenditure charged against the same.

6. Statement of the receipts and expenditure on capital account.

7. " " in account with the consolidated revenue.

8. General balance-sheet.

9. Statement of revenue and expenditure on Victorian Railways, all systems.

10.	39	**	**	**	Northern system,
11.	**	*1	**		Western system.
12.	39	33 ,	*	29	North-Eastern system.
13.	33	39 ·	33	>	Eastern system.

14. Return of wool consigned to Melbourne, Williamstown Pier, Geelong, and Portland.

15. Amount, mileage, and traffic at each station.

16. Return of free passes issued.

17. " rolling-stock.

18 Detail of locomotive charges per train mile.

19. Comparative statement for seven and a half years, ending 31st December 1878.

20. Detail of cost of construction of each line open for traffic, highest and lowest levels, steepest gradients, &c., &c.

21. Return of casualties during 1878.

22. n since lines were opened for traffic.

Diagrams showing revenue, expenditure, and net earnings of each system, and average of same per train mile and mile open. Map of Victoria showing railway system.

VICTORIAN RAILWAYS.

D. Oak

No. 1.

Engineer-in-Chief's Office, Railway Department, Melbourne, 28th April 1879.

Sir, I have the honor to report that the permanent way and works of the Victorian Railways were efficiently maintained during the year ending 31st December last.

The total expenditure on account of maintenance for the year was $\pounds_{155,409}$ 18s. 3d., for an average length of 1,099 miles of *single* line, as against $\pounds_{166,580}$ 10s. 8d. during the previous year, for an average length of 934 miles, or at the rate of \pounds_{141} 8s. 2d. per mile of single line in 1878, as compared with \pounds_{178} 7s. in 1877.

It will be seen that, although an additional average length of 165 miles of way has been maintained, the total cost of maintenance was $\pounds 11,170$ 15. 5d. less last year than for the previous year. This decrease is principally accounted for by the very small issues of permanent-way materials during the year 1878, $\pounds 9,483$ 155. 1d., compared with the issues in 1877, $\pounds 21,976$ 35. 5d.; but there is no doubt that large issues of permanent-way materials will be necessary during the present year to keep the lines in proper working order. working order.

The number of redgum sleepers used for renewals and repairs during the year was 52,714, against 47,453 in the previous year.

The following lines were opened for traffic during the year :--

Branch line to Geelong Racecourse, 2 miles, on 1st February. Bunyip to Moe, 32 miles, on 1st March.

Dunolly to Bealiba, $12\frac{1}{4}$ miles, on 3rd September.

Stawell to Murtoa, $35\frac{1}{2}$ miles, on 17th December. Bealiba to St. Arnaud, $20\frac{1}{2}$ miles, on 23rd December.

The contractors for the Dunolly and St. Arnaud and the Stawell and Murtoa lines, having com-pleted the lines so far as to enable them to be opened for traffic before the specified dates, obtained the bonus to which they were in each case entitled under their respective contracts, viz., £3,000 on the former contract, and £500 on the latter.

The following new lines were maintained by the Department for a portion of the year :---

Dunkeld to Hamilton, 19 miles, for 11 months.

Branch line to Geelong Racecourse, 2 miles, for 11 months.

Oakleigh to Pakenham, 25% miles, for 11 months.

Portland Jetty to Hamilton, 54 miles, for $9\frac{1}{2}$ months. Moe (River) to Morwell, 19 miles, for 8 months.

Bunyip to Moe (River), $21\frac{1}{2}$ miles, for $5\frac{1}{2}$ months.

Contracts were entered into during the year for the construction of the following lines :---

No. of Act.	Date.	Line.	Ľ	engtl	۱.	Average per Mile.
580	2nd March	Dunolly to St. Arnaud (exclusive of the above-mentioned	m.	ch.	lks.	£
, , , , , , , , , , , , , , , , , , , ,	18th March	bonus of £3,000)	32	79	68	2,181
"		of \pounds (00)	53	40	70	2,210
,,	20th July	Springs to Wahgunyah	13	76	83	2,182
,,	21st August	Geelong to Queenscliff	20	56	85	2,848
>>	13th September	Warrenheip to Gordons	13	5	82	3,129
604	24th September	South Yarra to Oakleigh, including works for double line	6	63	93	7,188

or, omitting the South Yarra and Oakleigh line, at an average of £2,429 per mile. This is exclusive of land, stations, permanent-way materials, engineering, rolling-stock, &c.; but there is no doubt that the lines will be completed for the amounts authorized.

Considerable alterations have been made in the Melbourne yard for facilitating the Suburban traffic; the outlay will be about $\pounds_{10,000}$, and the saving effected will be about $\pounds_{4,000}$ per annum, besides greater safety to the public being secured.

The alterations in the yard affecting the general traffic are being proceeded with. The new approaches to the goods station will be finished about October next, and those to the passenger station about the end of December.

In the general working of the Engineering Branch of the Department the separation of "Construction" from "Maintenance" has been attended with very satisfactory results, and everything is going on well.

The adoption of uniform drawings for all the requirements of the different new lines affords great facilities to contractors, which they are not slow to appreciate ; and I am convinced the Department gets the work done much cheaper in consequence.

I have the honor to be, Sir,

Your obedient servant,

ROBT. WATSON,

Engineer-in-Chief,

The Honorable John Woods, Commissioner of Railways.

VICTORIAN RAILWAYS.

 $\mathbf{24}$

No. 2.

Locomotive Superintendent's Office,

Melbourne, 5th June 1879.

I have the honor to report that the rolling-stock upon the Victorian Railways has been well main-tained during the twelve months ending 31st December 1878. Some of the repairs have been of a very extensive nature, and all have been charged to working expenses. The locomotives are in fair condition. Some very heavy repairs were effected to both boilers and

engines during the past year.

Extensive renewals are required to the boilers of some of the earlier engines, and a large amount of material is now on the way from England for that purpose.

Extensive repairs have been effected to carriages generally, all worn-out tyres having been "trued up" or renewed, and a new system of roof ventilation has been introduced. Twenty (20) composite carriages require stronger underframes.

A few wagons yet remain with weak underframes, but these I am gradually altering.

The horse boxes, carriage trucks, and brake vans are all in good condition.

The detailed accounts will show that 3,095,590 train miles were run during the year, against 2,786,581 in 1877, or an increase of 309,009 miles; the cost of working has been 18. 7.42d. per train mile. For comparative purposes, I beg to show by following return the working expenses and mileage since 1870 :-

WORKING EXPENSES AND REPAIRS, REPAIRS TO ENGINES, WAGONS, AND CARRIAGES-YEARS 1870 TO 1878.

	Train	Repairs to En	gines.	Repairs to Carr	iages, &c.	Repairs to We	agons.	Running Bra	nch.	Total Working I and Repai	
Year.	Miles.	Amount.	Cost per Train Mile.	Amount.	Cost per Train Mile.	Amount,	Cost per Train Mile.	Amount.	Cost per Train Mile.	Amount,	Cost per Train Mile.
1870 *1871 1871-2 1872-3 1873-4 1874-5 1875-6 *1876 1877 1878	1,116,218 530,326 1,173,434 1,354,131 1,667,124 2,051,710 2,280,092 1,262,782 2,786,581 3,095,590	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	d. 4'64 4'98 3'91 3'66 3'69 3'31 2'49 2'95 3'19	£ s. d. 4.998 8 11 2.729 1 6 5.513 7 5 6.954 17 0 10.710 6 12.571 19 2 14.778 16 10.669 11 15.863 15 10 15.039 6 2	<i>t</i> . 1'07 1'24 1'13 1'23 1'55 1'47 1'56 2'01 1'36 1'17	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	d. 1'59 1'56 1'43 1'65 1'54 1'80 1'99 1'28 1'56	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	s. d. I 2.52 I 2.87 I 1.59 I 2.31 I 2.73 I 2.65 I 1.66 I 1.61 I 1.33 I 1.50	48,838 10 4 103,353 5 1 119,071 19 4 151,479 3 4 182,563 16 5 193,168 6 11 105,799 13 1 219,779 11 6	s. d. 1 9.82 1 10.10 1 9.13 1 9.10 1 9.80 1 9.80 1 9.85 1 8.33 1 8.10 1 6.92 1 7.42

* For six months only.

It will be seen that during the last two years the working expenses have been much lower than in previous years.

During the year the work performed in the Railway workshops, exclusive of running shed repairs, has been-59 locomotive engines, thoroughly repaired ; 10 locomotive engines, slightly repaired ; 11 boilers, nearly made new; 2 boilers, entirely renewed; new plates in barrels of 2 boilers; also, 6 new crank axles, 98 new tyres, and 12 pairs of new cylinders have been put in the engines.
These, together with other sundry repairs to engines, amounted to £41,152.
In the carriage shops, the following work has also been executed :--3 new brake van bodies rebuilt;

2 second class carriages converted into combined composite and brake carriages for light lines; extensive repairs to 16 first class carriages, including retrimming, new panelling, and varnishing; 28 first class carriages revarnished, &c., and new steel tyres put on the wheels; extensive repairs to 9, and ordinary repairs to 53 second class carriages; extensive repairs to 9, and ordinary repairs to 22 composite carriages; extensive repairs to 11, and ordinary repairs to 25 brake and 5 travelling post office vans. These, with other general repairs to carriages, &c., cost £15,039.

There were also under construction (and are now nearly completed) 2 first class American saloon carriages.

Two travelling post office vans have been built from new designs, and these are now running, and have given every satisfaction.

In the wagon shop, 184 wagons have been very extensively repaired, almost entirely rebuilt; 105 wagons have had a good general repair; 42 wagons have been entirely remade; 10 wagons, with light wagons have had a good general repair; 42 wagons have been entrely remade; 10 wagons, whill light iron under frames, have had new strong wood and iron ones put under them; 50 iron wagons have had very extensive repairs; 253 wagons have been lifted, and 500 old wheels have had new steel tyres put on. Ordinary repairs have also been effected to 11 horse boxes, 2 carriage trucks, and 400 wagon buffers. The total cost for wagon repairs amounts to £20,091. There have also been built 12 wagons and a pattern double bogic covered wagon with double doors.

These two items have been charged to construction account.

Contracts have been let during the year for the construction, in the colony, of 100 medium open goods wagons, 3 first class and 4 second class American double bogie saloon carriages, 15 horse boxes, 15 carriage trucks, 10 luggage brake vans, 10 locomotive engines and tenders, supply of engine, tender, carriage, and wagon wheels as required for three years, and 1,500 wrought iron buffers.

Considerable loss and expense has accrued to the department for some time past from the necessity which has arisen for the employment of unseasoned blackwood timber in the construction of carriages,

wagons, &c. To obviate this, a large contract has been entered into for the supply of sawn blackwood from the forests of South Gippsland, instead of as hitherto obtaining our supply (through the contractors) from Tasmania.

In the contract alluded to very stringent conditions have been embodied regulating the periods at which trees shall be felled, and such other conditions as are considered best conducive to the obtaining of the timber in the best possible condition.

I am glad to be able to state that the timber already delivered, the product of trees felled during last winter (June 1878) is of excellent quality, and will compare most favorably with any hitherto obtained by the department.

ł

To ensure thorough seasoning before use, it is being properly stacked, under shelter, at Williamstown Junction.

It is obvious that this timber will improve in value the longer it is kept, and by the time it is required for use it will be in such condition as to insure the stability of the rolling-stock, in the construction of which it will be employed, thus effecting a saving in the cost of general repairs.

YEAR 1879.

During the current year (1879) contracts have also been let for the manufacture, in the colony, of 5 first class and 5 second class American double bogie saloon carriages, 100 medium open goods trucks, 70 double bogie medium open goods wagons, 19 double bogie covered goods wagons, and 20 sets of automatic continuous brake gear.

An additional workshop (the Yarra Bank Works, formerly occupied by Mr. Williams) has been

provisionally purchased by the department, subject to the approval of Parliament. At the present time there are 12 luggage brake vans being constructed in it, and as soon as the necessary lines of way are laid down, I purpose executing some of the ordinary running repairs there. Those trains upon the main line having to stop at Chewton station, are fitted with Woods' Continuous

Brake, which acts very satisfactorily.

The train on the Williamstown line, fitted with the same continuous brake, has been in constant running since December 1877, making 180 stoppages per day, and has run over 98,000 miles, requiring only the ordinary renewing of worn-out parts, viz., brake blocks and indiarubber couplings.

With regard to brake power upon passenger trains, I beg to quote extracts from the report of the

Royal Commissioners in England upon railway accidents in 1877. Lord De La Warr and Buckhurst, one of the commission, in his separate report with regard to brake

enquiries and of experiments which have been made, lead to the conclusion that brake power has been insufficiently applied on railways generally.

"Several systems of applying brake power are in use in this country, and it has been adopted with great success in America.

"It does not seem desirable to recommend any particular form of brake; this would be better decided by railway companies themselves.

"I am of opinion it should be made obligatory upon railway companies to employ sufficient brake power upon all passenger trains, with due regard to speed and inclines, to bring them to a stand in a distance not exceeding 500 yards."

Mr. Galt, another eminent member, in a separate report states-

"One of the most important subjects connected with railway management, and to which we devoted much more time and attention than to any other, related to brake power, the insufficiency of which was the most fruitful cause of accidents in the long catalogue of railway disasters. Out of 85 cases Col. Hutchinson investigated last year, 35 cases could either have been mitigated or prevented by continuous brakes in the hands of the drivers.

"In my opinion the use of such brakes should be made compulsory on all passenger trains.

"The brake that brings to a stand both portions of a train, in case of it being divided by an accident, is certainly the only kind thoroughlŷ effective."

The Commission found with regard to brakes-1 12

"We recommend that railway companies shall be required by law, under adequate penalties, to supply all trains with sufficient brake power to stop them within 500 yards, under all circumstances.

"We are of opinion that the amount of controlling power generally supplied with trains is at present insufficient, and we recommend that companies be required by law to provide revery train with sufficient brake power to stop it absolutely within 500 yards. "We recommend the fitting of brakes upon engines, and we think it of great importance that a large

proportion of the general brake power of the train should be under the control of the driver." I believe that the Woods' Continuous Brake complies with the conditions laid down by Captain

Tyler, late Railway Inspector of the Board of Trade, and also Mr. Galt, one of the Royal Commissioners above quoted.

At the commencement of this year a new system of coaling has been introduced, viz., the supply of pit screened coal in bulk, and the expensive system of bagging and weighing the coal in 12 cwt. quantities has been abolished.

From the accountant's returns it appears that a saving has been effected in the cost during the three months ending 31st March last of £2,720, or at the rate of £10,880 per annum.

I have to state that by the provision of proper sheds and appliances for the discharge of the coal at the various locomotive depôts, without handling, a further saving of 9d per ton could be effected, which would decrease the present cost by at least £2,000 per annum in addition. I would again beg to call attention to the increased number of train miles run during the year, caused by the opening of new lines, necessitating an increase in the quantity of rolling-stock, whilst little or no

provision is being made in the shape of suitable workshops for the efficient and necessary repairs of the same.

The returns of working expenses for the first three months of this year (1879) furnished by the accountant show a reduction of 2d. per train mile in the cost of working as compared with the same period last year. Of this large sum, 84d. per mile is due to the saving on coal and charges in connection with same; 26d. per mile is due to the larger number of punior drivers (in the 3rd and 4th classes) and firemen out on the lines, and other savings in consumption of stores and material have operated to bring the cost of working so low, whilst the general efficiency and maintenance have I think been increased. In the running branch better time has been kept on the lines than formerly. I can say that I do

not know of more than two cases during the past six months where late trains have been caused by the Locomotive Branch.

c

I have the honor to be, Sir,

Your obedient servant,

S. MIRLS. Locomotive Superintendent.

No. 9.

The Honorable J. Woods, Commissioner of Railways.

TO TO ARTICLE AND THE CORRESPONDED FOR THE STATE OF A FLOWAY SECTOR CALORADE OF

diomenta l andonomie te specieur fire del del del del 1995 del 2005 de 2005 de 2005 de 1995 de 1995 de 1995 de 1995 de 20 1996 a de 1996 de 1995 de 1996 de 2005 1996 de 2016 de 2016 de 2016 de 2016 de 2017 de 2005 de

SIR, Telegraph Engineer's Office, Melbourne, 27th May, 1879.

conclusion of the year 1878. Before the commencement of that year, the telegraph wires used, belonged to the Postal Department, which provided them in consideration of having all moneys received at railway stations for telegrams transmitted, paid to its credit. This arrangement was proved to be unsatisfactory, and at the end of 1877 the principle that the department should construct its own telegraph lines was adopted, and a commencement made with one wire along the North-Eastern Railway, that line being first selected, as the one upon which the telegraph arrangements required to be most perfect, on account of the necessity for working it upon the block system. 730 + dt9 1 $\sim 4...I$

This line was completed in July 1878, and it is gratifying to know that since that date the only interruption which has occurred on it was when it was cut by the Kelly outlaws. The cost of the North_r Eastern line, which is also about that of the others constructed by the department, was a little less than £18 a mile, an amount which will compare favorably with the cost of telegraph lines elsewhere. From a report of the New Zealand Telegraph Department, I find that the lines in that colony cost considerably more— \pounds_{53} IIS. per mile in the case of one line, and \pounds_{25} ITS. per mile in the case of another, being recorded. Our lines have been constructed of the best materials procurable, and test admirably in

Every way. The total number of telegrams sent from the railway stations during 1878 was 267,636... The cash collected during that period amounted to 22,838 6s. 1d., and the value of telegrams transmitted O.H.M. Service $\pounds 13,841$ 3s., being a total money value of $\pounds 16,679$.9s. 1d. These figures do not by any means represent the work done in the offices. In addition to the messages mentioned a monthly average of more than a service to the service of the service term of the service term. nearly 6,000 are repeated between stations on different-lines. Los her

The establishment of electrical return signals at semaphores, and, the maintenance of the electric signals, batteries, &c., which are used at signal-boxes, to indicate the passage of trains, form a not unimportant part of the duties of this branch. The second second second is a second second in a second second in a second second in a second sec consideration of the best means of keeping correct time-has occupied-my attentiou, and I-am arranging

for the fixing of electro-magnetic clips, by means of which all the station clocks and those in the signal-boxes will be set right every hour.

boxes will be set right every hour. During the year very successful experiments were made in the matter of signalling in trains between passengers, guards, and engine-drivers. Numerous experiments were made also with a dynamo-electric machine, to ascertain the feasibility of lighting the station-yard and platforms by electricity. Lywas obliged to discontinue the experiments, but Lexpectcto be in a position to recommence, them very shortly, as well

as to see if the electric light cannot be used to illuminate trains in motion. A considerable amount of labor is occasioned, and time lost, by the system of settling daily, accounts between offices. This I hope to have altered from the 1st July next, by arranging that all money receipts be paid, into railway revenue, and the accounts examined by the departmental auditors when they visit the stations. 5

From the class for instruction in telegraphy and the practice and class-room, much good has resulted, which will increase as the employes become better acquainted with the advantage of using them. I hope to be able to establish similar rooms at a number of central stations, so as to give the employes wider facilities for learning the theory and practice of telegraphy. is for learning the theory and practice of telegraphy. The following comparative statement will show how the Telegraph Branch of the Department has

progressed during the last two years:-

COMPARATIVE STATEMENT showing the Amount and Value of Railway Telegraph business transacted during the Years ending 31st December 1876 and 1878.

- 1	<u> </u>		<u>.</u>		the second se
7	the second provide the second	Particulars,		v 1875.	1878.
:			F	·	
	Total number of me Actual cash receive	d		104,857 1,789 28. 6d.	267,636 £2,838 68. Id.
	Value of O.H.M.S. Total value of busin	telegrams sent ness transacted		24,572 78. od. 26,361 98. 6d.	£13,841 38. od. £16,679 98. 1d.
	Miles of wire open Number of offices of		····	702 53	1,147
	the second se		<u> </u>	<u> </u>	and the second s

In making this comparison, I can refer to the very great improvement which the new lines have effected in our working. Much yet remains to be done before our system is as perfect as it should be; but I hope gradually, as circumstances will allow, to be able to have all necessary improvements made.

Since the end of 1878 considerable progress has been made with the construction of our telegraph lines, and by the end of the financial year over 1,300 miles of wire will be in use, of which over 800 miles are the property of the department; 97 to 100 stations will be connected with these lines, and therefore in telegraphic communication with Melbourne and with the whole railway system of the colony.

Your obedient servant,

The Honorable J. Woods, Commissioner of Railways.

4 to t

K. L. MURRAY,

Telegraph Engineer. - Ç. e. e. - 47 Acres

5. 11111

...

No. 4.

STATEMENT showing the Contracts in progress at the 31st December 1877 for Construction of Lines, Stations, Rolling-stock, and other works; also the Contracts entered into during the Year ending 31st December 1878.

4.5

Contra	et No.	· .		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · ·	Expenditure to	Balance	i
Engineer- n-Chief's.	Gazette.	Date.	Contractor.	Description of Contract.	Line of Railway:	Contract Amount.	31st Dec. 1878.	Unexpended.	Remarks.
		1875.	• * ·		······································	£ . s. d.	£. s. d.	£ s. d.	•
630	466	July 16 1875.	Fishburn and Morton	Construction of 9 miles 79 chains 56 links of rail- way from Everton to Beechworth	Wangaratta to Beechworth	70,018 1 8	69,244 9 9		Not completed at 31st Dec. 1878
632	776	Sept. 17 1875.	John Thomas	38 miles 34 chains 76 links of rail- way from FreshwaterCreek toColac	Geelong to Colac	97,325 2 3	92,242 9 6	5,082 12 9	Completed.
*635	1541	Feb. 12 '1878,	James Leggat	", 34 miles 38 chains 69 links of rail- way from Oakleigh to Bunyip	Oakleigh to Sale	98,520 13 8	} 101,375-2 -3	3,3547 6	, т
635	1942	Apr. 5	Jame's Leggat	Extra on ditto	33	6,208 16 1) ^{101,3/5} 2 · 3	3,334°70	37 37
636	974		Noonan Brothers	Construction of 40 miles 26 chains 33 links of rail-	yy *** *** ***	170,994 5 7	100,775 4 11	***	Not completed at 31st Dec. 1878
636A	1172	1877. Jan. 26	Fishburn and Morton	way from Bunyip to Morwell Completion of 21 miles 14 chains 69 links of the		89,528 19 5	83,000 10 0	72 1	33 35 35 35 35 35 35 35 35 35 35 35 35 3
637	1443	1874. Dec: 18	Millar and James	second section of the Oakleigh and Sale line Construction of 40 miles 44 chains 64 links of rail-	h, and a fail of m to good path, the	127,500 8 10	1895 6 2	5 EE 261	.,
637	1863	1877. Apr. 6	Millar and James	way from Morwell to Sale		9,200 Õ O	140,498:6 6	216 0	Completed.
637	1501	1878. Feb. 8	Millar and James	Extra on ditto	· · · · · · · · · · · · · · · · · · ·	3,800 13 8) hite 2 a	- · · · · •	
656	77,2	1875. Sept. 9	Milne, Gartly, and Tout		Maryborough to Avoca	37,185 0 3	27,525 12 1	9,659 8 2	, n
‡697	°951	Dec. 10	Walker and Halliday	Maryborough to Avoča	Sandhurst to Echuca :::	81,825 16 2	81,825 16 2		Not completed at 31st Dec: 18
699	1028	1876. Jan: 21	Overend and Robb	Very market beneformiles 7 chains of railway from	Ararat-to Hamilton () H.H. Safe ? We	177,326 9 1	162,397 15 7	14,928 · 13 [·] 6	Completed.
727		Mar: 24	Overend and Robb ¹	Ararat to Hamilton 55 miles 3 chains 66 links of rail;	Portland to Hamilton :::	153,017 7 7) et e e e e e	n 2	
727		1878. Oct. 18	Overend and Robb	way from Portland to Hamilton Extra on ditto	میں میں بی میں میں میں میں اور	1,735 .2 2	154,752 9 9	111 	The option of the grast Book 16
766A	ï87ì		Wright and Edwards	Manufacture of 12 brake vans :::	Lines authorized under Act 37 Vict. 475	3,360 0 10	3,360 0 0		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
783	760	1876. Sept.15	Phœnix Foundry	Manufacture and supply of 10 first-class and 10	sy	10,373 10 0)10,355 16 0	30 0 0 1714 0	3 2
792	~750	*,, 8	Company Phœnix Foundry	second-class carriages Building and finishing complete 8 locomotive	»» »» ····	22,812 .0 Ò	22,778 0 0	.34.00	
834	1184	1877. Nov. 16	Company C. B. Retallack	engines and tenders Construction of iron foot-bridge at Ballarat West	Geelong to Ballarat :: :.:	17.97 .7 IÕ	752 18 1	11 44 9 9	,
841			Walker and Halliday	station Additions to passenger station, Echuca	Sandhurst-to-Echuca		; i,835 ī8 2	203 1 10	· · · · · · · · · · · · · · · · · · ·
841 846 -	422 1171	July .6 Jan. 26	Walker and Halliday Humble & Company	Extra on ditto Manufacture of engines, boilers, pumps, tanks, &c.	Oakleigh to Salê, Ararat to Hamilton, Geelong to Colac, & Portland to Hamilton	750 0 0 1~5;128 17 - 8	15,017,16,45	DUCERCIANT, 3	

• This contract was transferred from Neil MacNeil to James Leggat on the 16th May 1876. A portion of this contract, 21 miles 14 chains 69 links, was surrendered by the contractors to the Board of Land and Works on 6th January 1877, and re-let to Messrs. Fishburn and Morton ou 7th January 1877. One-half the cost of this contract will be paid by the Government of New South Wales.

.

.

•••

Contr	act No.	· · ·	•		· · · · · · · · · · · · · · · · · · ·		The send times t	[<u></u>
Engineer- in-Chief 's	Gazette.	Date.	Contractor.	Description of Contract.	Line of Railway.	Contract Amount.	Expenditure to 31st Dec. 1878.	Balance Unexpended.	Remarks.
860	1858	1877. Apr. 6 1878.	James King	Erection of passenger station, &c., at Winchelsea	Geelong to Colac	£ s. d. 1,716 12 9	£ s. d.	£ s. d.	Completed.
860	2196	Feb. 1	James King	Extra on ditto	,, ,	* 360 12 5	2,062 5 2	15 0 0	Completed.
861	1859	1877. Apr. 6 1878.	James King	Erection of passenger station, &c., at Birregurra	» ,	1,799 10 9	1,896 15 8	20 0 0	
861	2197	Feb. 1 1877.	James King	Extra on ditto	3 3 *** ***	117 4 11	{ ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	20 0 0	"
867 868	1861	Apr. 6 Feb. 9	Robert Thornton Alfred Day	Construction of dock, timber wharf, &c., at Echuca Asphalting Sandhurst platform	Sandhurst to Echuca	14,948 12 3 175 14 8	9,035 15 7 153 15 4		Not completed at 31st Dec. 187
869	2136	June 22	Atlas Company of Engineers	Manufacture of 4 two-ton cranes for Echuca wharf	»» ••• •••	640 I 7	640 1 2	005	Completed.
872		Mar. 14	Patent Composition Pavement Company	Asphalting platform, Footscray station	Footscray Junction to Williamstown	15 2 6	15 2 6	••••	"
885 *894 894	1974 2035	Apr. 27 May 18	Henry Turnbull J. H. Robinson and Sons	Construction of western pier, Williamstown Manufacture and supply of 320 tons of fishbolts and 400 tons of dogspikes	Lines authorized under Act 41 Vict. 580	11,828 19 0 14,200 0 0	9,490 3 8 11,309 7 2-	,	Not completed at 31st Dec. 187 Completed.
894.	2038	" 18	Wright and Edwards	", ", 160 tons of pins for permanent way	»» », •••	2,672 0 0	2,672 0 0	•••	>>
901 901	2114 2037	June 8 May 18	Isaac Summerland A.McKenzie and Son	Erection of a passenger station at Dunkeld Supply of 5,000 split rails and 8,000 split posts	Ararat to Hamilton	1,175 8 10 324 15 0	1,087 5 11 324 15 0	88 2 11	, » 33
908 914	456 718	July 20 Aug. 17	Walker and Halliday Isaac Summerland	Works in connection with water supply, Echuca Erection of a brick residence for station-master, Sandhurst	Sandhurst to Echuca Footscray Junction to Sandhurst	2,200 0 0 -,1,996 0 2	2,199 7 11 1,800 6 5	0 12. 1 195 13 9	** **
916 918	421 968	July 6 Sept. 28	J. Horwood and Son Langlands Foundry Company	Supply of 10 pairs of locomotive engine cylinders ,, 2,000 wrought-iron spoke wheels	All lines Lines authorized under Act 41 Vict. 580	1,017 17 6 9,550 0 0	967 17 6 1,924 6 6	50 0 0 	,, Not completed at 31st Dec. 18
9184	944	" 14 1878.	Victoria Iron-rolling Company	" 1,000 wrought-iron axles	»» », ««··	4,625 0 0	832 10 0	· · · · ·	* **
921	417	July 19 1877.	Taylor and Duguid	Erection of a passenger station at Colac	Geelong to Colac	3,024 12 0	1,725 19 10	194. 	,,,
922	422	July 6 1878.	Wright and Edwards	Supply of cast-iron pipes for Echuca wharf	Sandhurst to Echuca	720 0 0	584 16 ¹ 1	•••	33
924	2160	June 7 1877.	John Lewis	" sawn blackwood	Lines authorized under Act 41 Vict. 580	15,847 15 2		•••	»»
927	892	Aug. 31	Phœnix Foundry Company	Construction of 7 locomotive engines and tenders	»» »» »»	24,010 0 0	18,220 17 3	•••	
929	893	" 31	Phoenix Foundry Company	Building and finishing 100 cattle wagons	yy yy ***	14,595 0 0	14,595 0 0		Completed.
931	694	" 3	James Mackintosh	Supply of 15,500 redgum sleepers and 1,500 l. ft. sawn timber	Williamstown Junction to Geelong and Ballarat and Footscray to Sandhurst	3,066 13 4	3,066 11 2	· 0 2 2	2 23
934	950	Sept. 14 1878.	Taylor and Duguid	Erection of a goods shed at Geelong	Geelong to Colac	11,882 14 6) {11,995 9 0	 *	· · · · ·
934	881	Oct. 18 1877.	Taylor and Duguid	Extra on ditto	,» ··· ··· ···	112 14 6)		
936 940	943	Sept. 14		Erection of a goods shed at Hamilton Supply of 300 axle-boxes	Ararat to Hamilton	4,266 14 7	4,026 12 5 243 15 0	240 2 2	3 2

÷

No. 4.—STATEMENT showing the Contracts in progress at the 31st December 1877 for Construction of Lines, Stations, Rolling-stock, and other works; also the Contracts entered into during the Year ending 31st December 1878—continued.

	1	1877.	ł	1	1	1	1		•	1
.941	945		E. Cummings	Erection of a passenger station, &c., at Heywood	Portland to Hamilton		1,149 15 0	1,106 19 4	42 15 8	Completed.
942	946	, 14	E. Cummings				1,281 0 0	1,206 7 6	74 12 6	
943	947	,, 14	E. Cummings	Branxholme	22 24 24 2		1,149 15 0	1,127 4 0	22 11 0	
.945	942	" I4	Jas. McGregor and	Construction of gatekeepers' cottages			2,157 6 8	1		
		1878.	Sons		1			2,237 19 8		
945	2097		Jas. McGregor and	Extra on ditto	37		80 13 0)		
		1877.	Sons						-	
951	952	Sept. 14		Additions and alterations to buildings and founda-	Geelong to Ballarat	••••	2,194 14 0	2,020 5 7	174 8 5	**
		Dealer	Company John Foot	tions to foot-bridge at Ballarat West station Erection of a goods shed and platform at Oakleigh	Orbisian to Sala	. 1	·			
952	1272	1878.	John Foot	Infection of a goods shed and plasform at Oakleigh	Oakleigh to Sale	•••	473 7 11	472 15 4	0 12 7	37
953	21.61		W McCulloch and	Supply of redgnm sleepers	Footscray to Sandhurst		280 0 0	1		
223	41.01	-	Company		to sugar to Manufactor		200 0 0	387 19 6		
.953	691	Aug. 2	W. McCulloch and	Extra on ditto			107 19 6	3-7-9-		**
~2.5.5		1877.	Company,			-		1		
954	965			-Supply of 15,000 redgum sleepers, and 1,000 l. ft.			2,801 0 10	2,785 12 2	15 8 8	33
		-	ther	sawn timber			- I			
.955	1052	Oct. 12	Philip Bevan	Manufacture and supply of 100 goods wagons	All lines	•••	16,152 18 4	15,622 18 4	530 0 0	29
956	1050	" I2		Building and finishing 100 open goods wagons	,,		10,400 0 0	10,400 0 0		27
<u> </u>			Company						-	
958	964		Robert Thornton		Portland to Hamilton	•••	2,310 0 0	2,144 7 11	1 -	>>
961 962	1051						6,202 0 0 Rate	6,122 2 3	79 17 9	» .
.902	900	Dept. 20	Thomas Tozer	goods wagons ,, wrought fronwork for	yy *** *** ***		Itate	1,619 7 9		"
963.	1041	Oct. c	James Silk		Geelong to Colac		513 10 10	467 2 3	46 8 7	
965	1047	. 12	Robert Thornton	,, temporary booking office, &c., at			189 0 0	189 0 0	, ,	**
, ,	+/	,,,		Portland			,			
966	1234	Dec. 7	Paterson and Quayle	" goods shed, &c., at Branxholme	25 ···· ···		339 14 8	332 1 4	7 13 4	**
		1878.								
967	1941	Apr. 5	W. Evans	Supply of 160 wagon springs	All lines		Rate	477 I9 9		**
968	1417			Conveyance of a locomotive engine from Spencer		10t.	129 0 0	129 0 0		17
		1877.	Son H. Luth	street to Oakleigh	475 Melbourne terminus			x 001 8 6		
969	1069 1235	Dec. 20	H. Luth	Erection of a goods shed, &c., at Condah	The 18 TH 19 TH 19 1	••• (1,112 IO O 331 18 3	1,004 8 6 322 0 3	108 I 6 9 I8 0	**
972 973	1236		Paterson and Quayle	"	1		323 14 0	318 12 9	5 1 3	22
9/3	1240	» 7 » 7	James Kennedy	Erection of wooden building for offices, Batman's Hill	Melbourne terminus		166 13 10	166 13 10	···· ·	
985	1233	» 7	Pritchard and Black-	Erection of a wooden building at Stawell	Ararat to Stawell		I55 7 7	153 15 7	1 12 0	"
	- 23	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	wood				. ,	-35 5 2		"
986	1232	" 7	James Silk	" turntable, &c., at Colac			477 II 3	477 10 7	0 0 8	
987	1273		John Foot	" goods shed and platform at Dandenong	Oakleigh to Sale		495 8 0	478 19 7	16 8 5	>>
-988	1274		John Foot	" " " Berwick …	,, 9		506 8 0	485 13 8	20 14 4	3 3
··991	1275		John Foot	,, ,, ,, Drouin	yy •*** •**	•••	550 8 0	512 7 11	38 0 1	• • • •
		1878.	D. Taskie and Com	Construction of 36 miles 20 chains 53 links of rail-	Stowall to Haraham			6	1	
~992	1984	Apr. 12		way and telegraph line between	Stawen to Horsnam	•••	77,999 I3 4	67,009 5 5	•••	Not completed at 31st Dec. 1878.
	1		pany	Stawell and Murtoa						
007	1985	12	D. Leslie and Com-				40,272 0 2	6,886 1 3		
_ 993	- 903	» 14	Dany	and telegraph line between Murtoa and Horsham	yy ··· ···		T-1-/- ~ ~	-,000 1 3	•••	77
995	1412	Jan. 11	James Mackintosh		Footscray Junction to Williamstown		253 5 3	203 5 3	50 0 0	Completed.
,,,,		1877.			-					
996	1276		Charles Beauchamp	" 5,000 c. y. of 21-inch metal at Williams-	Williamstown Junction to West Geeld	ong	1,281 5 0	1,261 15 6	1996	>>
			-	town Junction				-		
1			······		·				<u></u>	

* In consequence of the contractors having made an assignment of their estate for the benefit of their creditors this contract was determined by the Board of Land and Works on 22nd November 1878.

,

No. 4.—STATEMENT showing the Contracts in progress at the 31st December 1877 for Construction of Lines, Stations, Rolling-stock, and other works; also the Contracts entered

>

				,	ang jist boomon royo tomma			, 1	
Contra	ct No.	1		موہ پیڈیوں کے انہ انہ ا	· · · · · · · · · · · · · · · · · · ·	1		<u> </u>	······································
Engineer- in-Chief's.	Gazette.	Date.	Contractor	Description of Contract.	Line of Railway.	. Contract Amount	Expenditure to 31st December 3 1878.	Balance Unexpended.	Remarks.
998	1277	1877. Dec. 21	C. Nash	Supply of 5,000 c. y. of 22-inch metal at Lethbridge	Williamstown Junction to West Geelong and Geelong to Ballarat	£ s. d. 875 0 0	£ ^{.3} ~s. d. 875 0 0	£ s. d.	Completed.
9981	1241	n <u>1.</u> 7	Langlands Foundry	", "röller for pläte bending machine, docks," Williamstown	Footscray Junction to Williamstown	130 0 0	130 0 0	* *	્ર મધ્ય આવેલી તે શેર દેવેલા મુખ્યત્વે દક્ષિણ અ
999 1000 1001	1237 1238 1239	** 7 ** 7. ** 7.	Scott Brothers Scott Brothers James King	, 3,000 sleepers, &c	Line to racecourse, Geelong	188 10 0	885 03 0 188 10 0 900 0. 0		, 23 , 1 23 , 1 23 , 1 33 , 1 35 ,
1003	, 2200,,		Langlands Foundry Company	5 pairs of locomotive engine cylinders			470,000		, "
1004 1005 1006 1007	1921 1414 1415 418	Jan. 11	Robert Barbour. John Foot Thomas Pescatt T. Cockram and	Colac, Co	Melbourne terminus Oakleigh to Sale Geelong to Colac Oakleigh to Sale	641 13 4 326 7 2	547 2 7 324 11 11 307 7 7 7 2,133 17 3	94 10 99 1315 34	, 39 , 39 ; 39 ; 39 ; 39 ; 39 ; 39 ; 39 ; 39 ;
1009 1011 1012	141,1 1413 1416-	,, II	A. McKenzie and Son W. H. Lamond	44 iron tanks	Ballarat to Maryborough	70 10.0	124 10 0 70 10 0 197 0 0	, , , ,	Completed.
1013 1014 1015	1418 2198	. 11	George Cooper	Excavation, &c., for reservoir at Warrigal station Supply of 12 400 gallon tanks Clearing a portion of the Dandenong creek	Oakleigh to Sale	197 0.0 889 7 0 51.0.0 326,14,0	82 17 6 51 2 0 0	· 29 14 0	Not completed at 31st Dcc. 1878. Completed.
1016	1295	Dec. 28 1878.	l nonr	Supply of portable engine for workshops, Ballarat	Geelong to Ballarat	• 245 0 0	245 0 0) * *** * * ** 2	1 22
1017 1018	1907 1933	Mar. 1 ,, 22	A. Braid Thompson and Com-	Manufacture of platelayers' tools, &c , points and crossings	Oakleigh to Sale Lines authorized under Act 41 Vict. 580		271 15 4 2,485 10 8	49 14 6	"" Not completed at 31st Dec. 1878.
1019 1020 1021	 2199 1900	July 4 Feb. 1 ,, 22	Wright and Edwards W. B. Hoffman J. Stewart and Com-	", ", for Portland jetty Supply of 8,000 redgum sleepers Erection of passenger station, &c., at Craigieburn	Portland to Hamilton Melbourne terminus Newmarket Junction to Wodonga	1 2 4 4 4 7 7 6 4 1	· · · · · ·	184 15 3	Completed.
1021	22,30		pany J. Stewart and Com-		15 7, 25 15 11	563 0.0	, I,III I3 I	35 5 11	
1022 1023	1901 1902	Feb. 22.	pany Phillips and Markwell James Richardson	Erection of passenger station, &c., at Kilmore ",",",", Broadford	- 22 ² , 5 29 2 29 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	506 11 11. 516 15 11	486 9 1 493 16 9	20 2 IO 22 IQ 2	2.
1024 1025	1903 1419	22		Tallarook	Footscray Junction to Williamstown,	516 15 11.	501. 8, 6 436 9 6	15 Zu 51	Completed.
,	* 0		A. C. Conhott & Son	Conversion of a locamative anging from Malhaurna	Williamstown Junction to West Gee- long, and Geelong to Ballarat			<u>,</u> 1	н — п 1
1026 1027, ,	1448	·	1	Conveyance of a locomotive engine from Melbourne, to Oakleigh Construction of 32 miles 79 chains 68 links of rail			129 0 0 160,132 1 6 ¹¹	***	yy ⁵ . Not completed at and Day 20-0
	1.750 4	,.		way and telegraph line between Dunolly and St. Arnaud					Not completed at 31st Dec. 1878.
1028	1936		•	Erection of gatekeepers' cottages on middle section of the Oakleigh and Sale line	Oakleigh to Sale	I a a da da a l	1,772 9 4	- 12 6 7 7 - 17 7	Completed.
1028	856	Oct: 4	Paterson and Quayle	Extra on ditto	* *** *** ***	422 3 4)		1

					•						
1029	1800	1 Feb. 22	Richard Jack	Supply of 4-in. 5-in. and 6-in. water pipes	Qakleigh to Sale,		396 15 2	396 15. 1	001	, Completed.	
1030	21.36	May 23	Langlands Foundry	Supply of 4-in., 5-in., and 6-in. water pipes			182 13 4	182 12 10	006	μ τη του	
••		1	sp company	station .							
*1031	1934	Mar. 22	James Nation & Co.	Manufacture and supply of 60 cast-iron semaphores			1,894 19 5	. 495 0 Ô	•••	Not completed at 31st Dec. 1878.	•
1032	1551	L'ep. 13	A. G. Corbett & Son-	Conveyance of a locomotive engine from Melbourne to Oakleigh		475	119 0 0	119.00	••••	,Completed.	
1033	1938	Mar 20	J.A. Wood	Construction of a goods shed & at Sale	Oakleigh to Sale	.		936 9 4	55 .5 2	,	
1034	1935	· · · ·	Dobigon Drog & Cat	Construction of a goods shed, &c., at Sale	Lines authorized under Act 41 Vict.	580	612 19 9	583 16 0	29 3 9	n minter a la la manara de la man	
1035	2093	May 3	Lonie Dingle and Co.	Manufacture and supply of engines, boilers, pumps.	1 STATUS AND AND STATUS ALLES BEAN	10.5	4,884. 14, 0	1,741 0, 6	••••	Not completed at 31st Dec. 1878.	
							. 30		•	.,	
1036	1937.	Mar. 29	Humble & Nicholson	Construction of 4 engine turntables, a turnt	Er an affreden for gegeneren an an		1,890 0, 0	1,194 6 0	; • ;• ,	Completed.	
1037	1927	" 15	A.G. Corbett & Son	to Oakleigh	, , , , , , , , 37 Vict. 4	475	129 0 0	129 0 0	1 •••	Completed.	
1038	1926	1.1.15	J. W. and J. Robson	to Oakleigh (1) and a sequence of a control of the second	Footscray to Sandhurst		354. 0. 0.	353 17 8	024		
1039	1986.	Apr. 12	James Mackintosh	I TO	Geelong to Ballarat		37.6 7 7	1326 7 7	50 0 0	1 22	
• •	· ·			station .					•	•	•
1040	2149	May 31	Blair & McGrowther	i, i, io,000 redgum sleepers and 1,000 l. ft. of	Footscray, Junction to Williamstov	wn,	1,846 17 6	1,846 15 3.	0,2.3		
	1 :	í . ĭ	a tan santa a sa ta	crossing timbers	'Geelong to Ballarat, Footscray Sandhurst and Echuca, and Ne		- 1 A	۰. <u>ب</u>			
		:			market Junction to Wodonga	,	ب ها خدر آ		•		
1041	2138.	.,, · 2.3	Noble, Mahood & Co.	Manufacture of 750 wrought-iron buffers	Lines authorized under Act 41 Vict.	580	2,334 7 6	945 0 0	••••	Not completed at 31st Dec. 1878.	
104,2	2196	June 21	Johnson and Co.	Construction of wrought-iron girders for bridge at	Geelong to Ballarat	·	163 1 4	129 I. I	34 .0. 3	Completed.	
		1 1 1 2		Brougham Place, Geelong					<i>cc</i> :	. •	
1043 <u>.</u> 1044	420 	July 19	Cormack and Hogan Oliver and Yourn	", 500 c. y. of guartz tailings for Talbot		••• 1	985 8 4 32 9 4	918 14 2	66 14 2	27,	
	••••	****		station .	• •		32 9 4	32 9 4	•••	33.	
1045	1998		John Blyth and Co.	station 485-water pipes	O_{-1}		357 13 11	357 13.11	••••		
1046	2149,	May 31	Charles Beauchamp	$V \rightarrow V$ IO.000 C V OT METAL	Geelong to Colac		2,704 3 4	2,655 19 3		Not completed at 31st Dec. 1878.	فن ا
1047	2231	June 28	Fishburn and Morton			•••• •	706 16 9	7.06 16 9	·	Completed.	-
1048	2232	,; 28,	Sons.	Supply of wrought-iron pins and ferrules	All lines	••••	463 0 0	463 .0 0	···	5 3,	
1049	2194		Fishburn and Morton	y	Oakleigh to Sale		608 13 4	608 13 4		. s 33	
2		20	the second s	and Dandenong						~	
104'9A	2195	21 `رور	J. S. White	" 600. c. y. of bluestone metal at Berwick	The gas of second se	32	195 0 0	195 0 0	•••	37	
1050; 1051	2147 .630)		Richard Jack	and Dandenong, "boo.c. y. of bluestone metal at Berwick pipes for water supply, Traralgon "boo.c. y. of bluestone metal at Berwick pipes for water supply, Traralgon 5-in. cast-iron water pipes for water.	Collaboration in This is a set	•••	340 19 8 124 7 6	340 13 8	o 6 o	22,	
1051	0305	July 20		supply, Elmore	Sandnurst to Echuca	••••	· 19 / -	124 7 6	· · · ·	39 <u>.</u>	
1052	2137	May 23	Robert Barbour 1	,, ' 4,000 redgum sleepers	Footscray Junction to Williamstow	wn.	700 o o	700 0 0			
-		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	1 10 36 10 cm 2 m		Williamstown Junction to Geelong a	and		1.U (14		
		: Tarlar (The later of Northeast		Ballarat		51 73	:		1	
1053	637	July 20;	Fishburn & Morton	Construction of 13 miles 76 chains 83 links of rail- way and telegraph line from Springs to Wah-	Springs to Wahgunyah	•••	30,463 11 3	15,210 15 0	•••	Not completed at 31st Dec. 1878.	
	· · · · ·	-'.		gunyah	••	- !	· · · ·	•			
1054	2098	May. 17.	Hugh Owen	Supply of 10,000 c. y. of gravel ballast	Ararat, to Hamilton,		710 8 4	709 2 6	1 5 10	Completed.	
1055		July 19	T. Cockram and Co.	Construction of a passenger station at Warrigal			3,403 6 6	2,276 2 3	•••	Not completed at 31st Dec. 1878.	
1056	395	" 12	Richard Jack	Supply of 480 cast-iron water pipes for water	» ····	•••	258 14- 9	254 I 9	4 I 3 O.	Completed.	
1057	.402 .	., 19	Bohert Aitchison	supply, Traralgon Erection of 5 gatekeepers' cottages	Stawell to Horsham	-	407 10 0	496 13 11	0161	· · · · ·	
1058	403	, 19 , 19		Brection of 5 gatekeepers' cottages		••••	497 10 0	452 11 6		" Not completed at 31st Dec. 1878.	
1059	404	,, 19	Robert Aitchison				524 6 8	446.7 I		not completed in 31st Dec. 18/8.	
1060	405	" I <u>9</u>	Robert Aitchison	······································			537 17 6	385 0 8	•••		
1061	406	" I <u>9</u>	Robert Aitchison	3 5 3 3 5 3 5 3 5 3 5 3 5 3 5 3 5 5 1 5 1 5 1 1 1 1 1 1 1 1 1 1		•••	551 7 6	294 8 4		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
1062 1063	407	» 19 www.104	Jason Fraser			· ••• •	558 17 6 566 7 6	321 6 10 180 0 0	•••	>>	
	4-99.9	. muaryn	Combernation	\$78.872 39 5 39 5 39 5 4 7 5 4 7 5 4 5 4 5 4 5 4 5 4 5 4 5 4	Service and the service of the servi	•••	<u>566 7 6</u>	190 0 0	•••		

•

.

* This contract was transferred from Thomas Tozer to James Nation and Company on 27th December 1878.

.

Contrac	et No.			a construction of the second se			Expenditure to	Deterre]
Engineer- in-Chief's.	Gazette.	Date.	Contractor.	Description of Contract.	Line of Railway.	Contract Amount.	31st December 1878.	Balance Unexpended.	Remarks.
		1878.				£ s. d.	£ s. d.	£ s. d.	
1064	409		Jason Fraser	Erection of 5 gatekeepers' cottages	Stawell to Horsham	567 17 6	192 I I		Not completed at 31st Dec. 18
1065	410		Jason Fraser	»» 5 »» <u> </u>	· · · · · · · · · · · · · · · · · · ·	570 12 6		***	
1066	411,		Jason Fraser	33 5 5 33 ····	- 21 Hay in 25	572 12 6			23
1067	412.			y, 4 yy *** ****	2 1 ¹¹ 22 * *** *** ***	461 2 0	94 16 5	***	23
1068	415.		J. Faulkner	»» 5 »» ···· ···	Dunolly to St. Arnaud	481 13 6	453 5 5	28 8 I	Completed.
1069	2233		George Thomson	, , , 5 ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,	55 ···· ···	575 0 0	536 12 11	387 I	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1070	2234		George Thomson	yy 5 yy	• • • • • • • • • • • • • • • • • • • •	602 11 8	564 18 1	37 13 7	,,
1071	2235		George Anderson	» 5 » ··· , ···	2 33 222 234 244 244	622 10 0	577 5 6	45 4 6	,,
1072 -	2236	,, 20	George Anderson		The second s	379 10 0	331 5 8	4844	,2
1073	421	July 19	A. McKenzie & Son	Supply of 5,000 split rails and 5,000 split posts	Footscray to Sandhurst	262 10 0	262 10 0		- 13
1074	2139		Phœnix Foundry Co.	" 2 locomotive engines and tenders	Lines authorized under Act 41 Vict. 580	5,200 0 0	2,406 7 2	•••	Not completed at 31st Dec.
1075	_ 799°		Topham, Angus, and Smith	Construction of 20 miles 56 chains 85 links of railway	Geelong to Queenscliff	58,977 .7 6	16,220 0 0		**
1076	800			and telegraph line from Geelong to Queenscliff	Claurall de TT-u-li				
1078	800	,, 13 ,, 13		Construction of a passenger station, &c., at Murtoa	Stawell to Horsham	592 10 0	308 1 2		**
1079	638	7,7 13 Tulu 26	Isaac Summerland	", ", Glenorchy ", ", Bealiba	Dunolly to St. Arnaud	579 4 6	487 17 9	•••	**
1080	740	Ang 20	Ainsworth Harrison	" " " Bealloa		574 16 9	493 4 0		a
1082	.631	A. 8. 43	THE AL A	Construction of a passenger station, &c., at Essendon	Newmarket Junction to Wodonga	568 4 6	561 16 9	679	Completed.
108'3.	- 632	26		Dana Jun og Jun	•	581 9 2	543 I4 O	37 15 2	73
1084	822	,, 20 Sent 27	TT7'11' 36 1	Tanana di S	23 33 23 +++	553 17 10	447 I 4	•••	Not completed at 31st Dec.
1085	807		T. H. Amery	Trans	x ⁻ 5 ³³ 35 32 ***	572 15 8	267 2 6	•••	"
1086		July 26	James Williams	TT:-lot ID-	73 33 33 3 3 ** *	553 16 4	-248 4 3	•••	19
1087	634	1 26	T. W. Cowley & Co.	Cumin m	27 23 23 ×**	579 16 9	473 O I	•••	· • •
1088	943	Nov. 22	Howard and Cooke	Manufacture of points and crossings	Melbourne terminus	538 8 11	457 15 4	•••	3 3
1089	928	,, 15				3,295 7 11 2,980 12 8			37
1090	929	. 15	Fulton Foundry Co.	>> >> >> >> +++ +++ >> >> >> >> >> >> +++ +++		2,776 8 0	473 13 8 525 3 8		33
1091	978		J. Horwood and Sons	777 777 777 777 777 777 711 712 717 777 777 777		2,721 6 0		•••	"
1092	414		J. Haworth and Son		Geelong to Queenscliff	541 12 9	320 9 2 541 12 9	•••	Completed.
1093	413	,, 19		Erecting 6 miles of fencing	» `··· ···	188 0 0	188 0 0	•••	- ,
1094	635	26	Fishburn & Morton	Supply of ballast at Pakenham	Oakleigh to Sale	1,208 6 8	100 0 0	•••	3 2
1094	944	Nov. 22	Fishburn & Morton	Extra on ditto	yy +** +** +**	492 0 8	1,700 7 4		33
1096	2237	June 28	Walker, Hickman,	Supply of 10 pairs locomotive engine cylinders	All lines	950 0 0	95 0 0		Not completed at 31st Dec.
1			and Co.		aland an ing a state of the		,,,		
1097	639	July 26		" 3,000 c. y. of White Hills gravel	Sandhurst to Echuca	165 0 0	165 0 0		Completed.
10971		" I2		··· 500 · ···	yy	29 19 0	29 19 0		33
1098	855	Oct. 4	Crushing Company	" 664 " metal	Williamstown Junction to West Geelong	170 3 0	170 3 0		37
1099	825		King and Co.	Construction of 13 miles 5 chains 82 links of railway and telegraph line from Warrenheip to Gordons	Warrenheip to Gordons	40,901 12 4	7,048 17 0	.,.	Not completed at 31st Dec.
1100	74 I			Construction of foundations and erection of turn- table at Sale	Oakleigh to Sale	226 9 10	203 16 10	•••	. 53
1101	692		John Paterson	Erection of turntable at Warrigal	, yy •••• ••• *••	⁽²⁾ 339 3 9	339 1 2	027	Completed,
1102	941	Nov. 22	Buchanan & Nodrum	Manufacture of three steam crab-winches	Sandhurst to Echuca	324 11 4	339 1 ~	/	Not completed at 31st Dec.
4103		July 10	William Watson	Conveyance of ballast trucks from Oakleigh to	Melbourne terminus	48 15 0	48 15 0		Completed.
1		•		Spencer street			T ² - J		comprover.

No. 4.-STATEMENT showing the Contracts in progress at the 31st December 1877 for Construction of Lines, Stations, Rolling-stock, and other works; also the Contracts entered into during the Year ending 31st December 1878-continued.

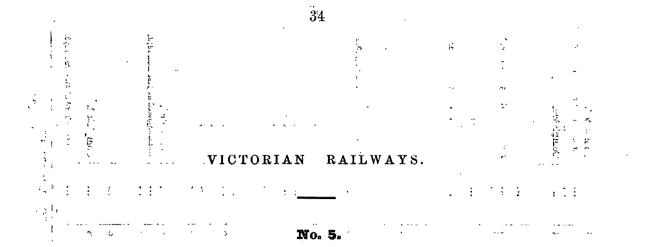
.

1104	636		John Foot	Erection of a timber platform at Morwell	Oakleigh to Sale	110 10 6	110,10 6		Completed.
1105	729	Aug. 16	J. Egan	Supply of posts and rails	Sandhurst to Echuca	103 7 0			Not completed at 31st Dec. 187
1106	824	Sept. 27		Erection of 7 gatekeepers' cottages	Springs to Webgunyah	739 5 4	211 10 0		Not completed at 31st Dec. 187
1107	810	,, 20	John Foot	Construction of platforms at Waterloo and Flinn's Creek	Oakleigh to Sale	301 14 3	301 14 3		Completed.
LIII	697		James Leggat	Supply of 30 ballast trucks	All lines	2,025 0 0	2,025 0 0		33
IIIIA IIIIA	698 758	, » <u>9</u>	Fishburn & Morton Fishburn & Morton	<i>y</i> 20 <i>y</i>	27	1,452 0 0	1		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
IIII2	696	,, 30		Extra on ditto		18 0 0	} I,470 O O	•••	33
1113	826	Sent 27	Walker Hickman		Williamstown Junction to West Geelong	Rates	894 13 9	•••	Not completed at 31st Dec. 187
-		1	and Co.	wagons	Lines authorized under Act 41 Vict. 580	, 9,850 0 0	1,385 18 6		29
1114	802	,, 13	Geo. Buckley & Co.	Supply of 10,000 c. y. of gravel ballast	Ararat to Hamilton	593 15 0	593 15 0		Completed.
1115 1116.	730	Aug. 10	John Foot	Construction of platform, &c., at Sunny Creek	Oakleigh to Sale	430 0 0	429 19 10	0 0 2	
1117	828	Dept. 27	William Swanson	Erection of passenger station, &c., at Rutherglen Construction of 6 miles 63 chains 93 links of rail-	Springs to Wahgunyah	572 16 I	409: 8 10		Not completed at 31st Dec. 187
		,, 2/4	o. r. 1188118 and 00.	way from South Yarra to Oakleigh	South Yarra to Oakleigh	48,868 4 2	11,594 13 6	•••	39
1123	809	5 . 20		Supply of reasonable inco too los	Storell to Hard D II to Gu				
		, , , , , , , , , , , , , , , , , , , ,		Supply of 125 wrought-iron tanks	Stawell to Horsham, Dunolly to St.	484 7 6			
					Arnaud, Geelong to Queenscliff, Springs to Wahgunyah, Warrenheip				
					to Gordons			•••	>>
1123	882		W. H. Lamond	Extra on ditto		12 5 0	÷ 1		
1125	739	Aug. 23	John Ryan	Supply of 500 c. v. of bluestone metal	Geelong to Queenscliff "	143 15 0	143-15 0		Completed.
1126	808	Sept. 20	John Foot	Construction of fuel shed, &c., at Warrigal	Oakleigh to Sale	281 19 0	223 I I		Not completed at 31st Dec. 187
1129	906	Nov. I	P. Bevan	Manufacture and supply of 3 first-class and 3	Lines authorized under Act 41 Vict. 580	8,300 0 0	1,080 0 0		Not completed at 31st Dec. 167
1130	907	,, I	A Harknoin and Ca	second-class American saloon carriages					
1131	910	,, 1 ,, 1	Morris and Bogg	Manufacture and supply of 15 horse-boxes Erection of a goods shed at Glenorchy	04 ¹⁰ TT ¹⁰ ¹¹	3,746 5 0			
1132	883	Oct. 18	Brophy and Co.	"," ", Murtoa	Stawell to Horsham	· 492 19 1	••• :		>>
1133	884	, 18	John Foot	"," ", Murtoa ", ", Goldsborough	Dupolly to St Amand	499 9 4			>>
1134	885	., 18	John Foot			467 5 5	234 `0 0	•••	33
1135	911		R. R. Briggs		Springs to Wahgunyah	474 9 4	290 14 0	•••	·
1137	974	,, 29	P. Bevan	Supply of 200 axle-boxes	All lines	412 17 I 167 10 0	···· ,		23
1138	908	,, I	Atlas Company of	Manufacture and supply of 15 carriage trucks	Lines authorized under Act 41 Vict. 580	1,712 10 0	225 0 0		23
1139	000		Engineers			-,,			. 33
1140	909 886	Oct 18		Erection of goods shed at Horsham	Stawell to Horsham	1,170 7 3			,,
1141	887	18	Thomas Corley			1,133 2 3	264 12 0		- 33
1142	942	Nov. 22	Phœnix Foundry Co	", "Wahgunyah "" Manufacture and supply of 10 luggage brake vans	Springs to Wahgunyah	1,210 8 1	••••		23
1143	912	,, I	Blair and Chadwick	Supply of 10,000 redgum sleepers and 1,000 l. ft.	Lines authorized under Act 41 Vict. 580	4,480 0 0			,,
				crossing timber	town Junction to Geelong and Balla-	1,864 11 8	206 19 3.	•••	27
·				0	rat, and Footscray to Sandhurst				
I144	976	" 29	A. McKenzie and Son	Supply of posts and rails for fencing	Malhoumpo to Eastanne	167 3 .9	167 3 9.	•	Completed.
1145 1146	975	,, 2 9'	Noble, Mahood, & Co.	Manufacture and supply of 750 wrought-iron buffers	Lines authorized under Act 41 Vict. 580	2,365 12 6	10/ 3 9.		Not completed at 31st Dec. 18
1140	977	,, 29	John Harker	", ", pins and ferrules	Melbourne to Williamstown, Williams-	1,492 16 9	183 19 8	L	not completed at 31st Dec. 18;
1			•		town Junction to Geelong and Balla-				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1149		. · т	Phoenix Foundary	Manufacture and supply of locomotive engine and	rat, and Footscray to Sandhurst	•			
	-	" 1	Company	tender	Lines authorized under Act 41 Vict. 580	_2;875 0 0	960 12 9	•••	7.5
1154	1007	Dec. 13	Anderson and Bruce		Malhauma ta Williamatan C. 1	•	-		
					Melbourne to Williamstown, Geelong to Ballarat, and Footscray to Sandhurst	175 2 2	175 2 2	•••	Completed.
1156	973	Nov. 29	Humble & Nicholson	Supply of boiler for pumping engines at Kyneton	Footscray to Sandhurst				
1					Footscray to Sandhurst	150 10 0		•••	Not completed at 31st Dec. 18
Enginee	r-in-CP	ief's Offic		ζ	14 - 20 - 20 - 20 - 20 - 20 - 20 - 20 - 2	·	1		<u> </u>
		il 1870.	~~)		· · · · · · · · · · · · · · · · · · ·			ROBT. WA	UTRONT

~

، میں اس معمد ا

.



<u>1</u>	
Loans Authorized,	Expenditure on Construction charged against Loans.
in the state of the second	
	s. d.
Loan 21 Victoria No. 36 8,000,000 0 0	Expenditure on construction of Victorian Rail-
Loan 25 Victoria No. 150	ways, charged against the Railway Loans, to 31st December 1877, including Rolling-stock,
Loan 29 Victoria No. 287,	Plant, and Material I2,839,480 II 0
Loan 32 Victoria No. 331 2,107,000 0 0	
Loan 37 Victoria No. 468	Balance unexpended 648,515 5 6
Loan 39 Victoria No. 531' 1,396,693 0 0	
13,503	ig3 , o o
Less Discount and Expenses on Sale of Debentures—	
Loan 37 Victoria No. 468 159,182 10 7	
Loan 39 Victoria No: 53191,286-18 0	
250,469 8 7	
Deduct Net Premiums on De- bentures of-	
Loan 21 Victoria No. 36	
Loan 25 Victoria No. 150	
Loan 29 Victoria No. 287	
Loan 32 Victoria No. 331	697 3 6
	995 16 6 13,487,995 16
	<u>H</u>
	P. P. LABERTOUCHE,
	: Secretary.
من م	GEO. T. A. LAVATER,
Railway Department, Accountant's Office,	Accountant.
20th March 1879.	
	in a state of the
ο το	· · · · · · · · · · · · · · · · · · ·

VICTORIAN RAILWAYS.

No. 6.—RECEIPTS and EXPENDITURE on Capital Account to the 31st December 1878.

			ENDITORE on Capital Account to the 31st December 1878.			
o Net Amount raised on Loans, as per Statement	£ s. d.	£ s. d.		£ s. d.	£ s. d.	£ s. (
No. 5	1248-005-56 6		By Construction (General Account)	•••	266,543 6 11	
, Railway Loan Liquidation and Construction	- 3,40/,995 10 0		By Construction Main Line Wellberry to Candbarry	1 0 1 4 7 9 9 0		
Account (Act 360)			Ditto ditto Condhumet to Tabaaa	5,014,418 8 0 602,944 12 0		
Advances on account of ditto			", Ditto, ditto, Sandifurst to Echuca	282,055 8 8	•	
Advances on account of Loan 608	77 580 6 6		" Ditto, Ballarat and Maryborough Line	251,909 12 10		
, Amount from Consolidated Revenue (see Return			, Ditto, Maryborough and Avoca Line	60,131 11 0		
No. 7)	441,800 2 2		, Ditto, Sandhurst and Inglewood Line	152,051 18 8		
, Remittance Account		- 16,174,964 5 8	" Ditto, Dunolly and St. Arnaud Line (in progress)	108,035 4 4		
Sundry Creditors	15,060 1 0		" Ditto, Carlsruhe and Daylesford Line (in progress)	4,940 6 4	·	
, Sundry Creations	10,453 16 1		Total Northern System		6,476,487 I IO	
• • •		25,513 17 1	Western System. By Construction, Williamstown Line (Footscray to Williamstown)	101601-6		
			", Ditto, Geelong Line (Williamstown Junction to Geelong)	405,635 16 3	-	
			" Ditto, Ballarat Line (West Geelong to Ballarat)	1,050,736 16 10 1,717,881 16 6		
•			" Ditto, Ballarat and Ararat Line	310,063 11 10	·	
			" Ditto, Ararat and Stawell Line	110,093 3 9		
			, Ditto, Ararat and Hamilton Line	298,763 19 8]	
			, Ditto, Geelong and Colac Line (including Branch Line to			
			Racecourse)	310,813 18 3		
	· ·		" Ditto, Portland and Hamilton Line	260,106 17 1		
• •			" Ditto, Stawell and Horsham Line (in progress) " Ditto, Geelong and Queenscliff Line (in progress)	132,610 12 9		
			Ditto Womenhoin and Condens Time Vision	37,154 4 I 21,000 8 6		
	(Potel Western Createrns	21,000 8 6		
			North-Eastern System.		4,654,861 5 6	
·	1 1 1 1	1.0	By Construction, Essendon Line (Essendon Junction to Essendon,			4.
			including Racecourse Branch)	76,648 13 6		•
			" Ditto, North-Eastern Line (Essendon to Wodonga)	1,556,485 0 0		•
			, Ditto, Wangaratta and Beechworth Line	153,730 9 4		
			" Ditto, Springs and Wahgunyah Line (in progress)	33,652 18 1	•.	
			" Ditto, Avenel and Shepparton Line (in progress)	6,645 6 7		
			Total North-Eastern System		1,827,162 7 6	
			By Construction California and Sala Line	607 546 14 7		
			" Ditto, South Yarra and Oakleigh Line (in progress)	697,546 14 7 38,835 6 6		
			", Ditto, Spencer and Flinders streets connection (in progress)	156 6 8		
			Total Eastern System		736,538 7 9	
			By Rolling-stock—Engines	577,623 19 7	/ / / / / /	
			" " Carriages, Trucks, and all other Vehicles	674,799 15 1		
	'		$\mathbf{D}_{\mathbf{r}}(\mathbf{r}) = \mathbf{D}_{\mathbf{r}}(\mathbf{r}) + \mathbf{D}$	· · · · · · · · · · · · · · · · · · ·	1,252,423 14 8	•
			" Preliminary Surveys of Lines (not authorized for construction) " Bridge over Murray at Echuca		40,817 6 10	1
				: :•••	88,406 15 2	
:	,		Plant and Materials.		15,343,240 6 2	
			By Balance on hand	154,946 14 9		
	· ·		", Amount in hands of Agent-General for further purchase of Plant, &c.	15,060 I 0		
					170,006 15 9	
•			By Unadjusted Advances			15,513,247 1
:			" Sundry Debtors			26,000 0 12,715 15
	:		" Balance of Funds unexpended-Loan 32 Vict. 331		303 12 0	•••,/•5 •5
7			", ", Loan 37 Vict. 468 ", ", Loan 39 Vict. 531	•••	477 14 3	
			", Loan 39 Vict. 531		647,733 19 3	648,515 5
	£	E 16,200,478 2 9	· ·		£	16,200,478 2
Railway Department, Accountant's Of			II	<u> </u>	LI Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	

•

.

•

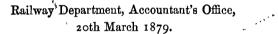
VICTORIAN RAILWAYS.

No. 7.

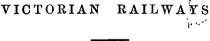
VICTORIAN RAILWAYS in account with the Consolidated Revenue to 31st December 1878.

Receipts and Expenditure.

1. A.	£ s. d. £	£ s. d.	£ s. d. £ s. d
To Receipts from Consolidated Revenue ,, Votes, 1878-9 ,, Treasurer's Advance Vote	4,444,198 18 11 378,591 7 4 44,046 17 5	56,837 3 8	By Railway Income on account of 1878-9 (paid into Treasury) 604,260 0 9 " Ditto (outstanding)
"Remittance Account "Sundry Creditors	12,262 5 1 47,136 15 4	59,399 0 5	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
• • •			$\begin{array}{c} \pounds \ s. \ d. \\ \text{Northern System} & & & & \\ \text{North-Eastern System} & \\ \ \ \text{North-Eastern System} & \\ \ \ \ \ \ \ \ \ \ $
· · · ·	, t		By Unadjusted Advances $172,700$ $72,700$ <t< td=""></t<>



P. P. LABERTOUCHE, Secretary. GEO. T. A. LAVATER, Accountant.



•

No. 8.

GENERAL BALANCE-SHEET, 31st December 1878.

	£	<i>s</i> .	<i>d</i> .	£	<i>s.</i>	d.	\pounds s. d. \pounds s	
o Receipts on Capital Account from Loans	13,487,995	16	6				By Construction Account, in- cluding Plant and Mate-	•
" from R. L. L. and C. Account	1,800,000						rials on hand, in transit, &c 15,513,247	1 1
Advances on ditto			0				"Railway Income for 1878-9	
on Loon	367,579	0	U				(six months) 632,610 m	4
,, , , , , , , , , , , , , , , , , , ,	77,589	6	6				Tooma	
				15,733,164	3	6	,, Stores on hand, in transit, &c 3,752,910	4
, " from Consolidated							" Unadjusted Advances—	4
Revenue	•••			4,866,837	3	8	Capital 26,000 0 0	
T							Revenue 23,000 0 0	
, Remittance Account—				·			49,000	o
Capital Revenue	15,060						" Sundry Debtors—	
Revenue	12,262	5	I		6	J	Capital 12,715 15 4 Revenue 9,130 11 5	
				27,322	0	1		
"Sundry Creditors—							" Balance of Loans unex-	6
Capital	10,453	16	r					_
Revenue	47,136						pended 648,515	5
				57,590	11	5	a .	
							I. j———	
			£	20,684,914	- 4	8	£ 20,684,914	4

Railway Department, Accountant's Office, 20th March 1879. P. P. LABERTOUCHE, Secretary. GEO. T. A. LAVATER, Accountant,

No. 9.

STATEMENT of Revenue and Expenditure on ALL LINES for the Year ending 31st December 1878.

Dr. EXP	ENDITURE.			REVENUE.		CB.
Miles open Through Mileage Average open for the Year Train Miles run	1,035 1,054 966 <u>1</u> 3,095,590	Cost per Train Mile.	Per Cent. to Revenue.	Number of Passengers carried 3,829,2553 Tons of Live Stock carried 30,104 ,, Goods carried 930,375		Revenue per Train Mile.
MAINTENANCE OF WAY AND WORES: Salaries, Wages, and Services Materials LOCOMOTIVE CHARGES: LOCO. Superintendent and Clerks , Foremen , Drivers and Firemen , Cleaners , Coalmen and Laborers , Sundrics Coal Wood	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			£ s. d. £ s. Passengers 424,504 5 3 Parcels, &c 28,665 11 8 Horses, Carriages, and Dogs 13,881 6 5 Mails 29,449 1 8 Rents 13,774 6 3 Miscellaneous 52,480 17 2 Goods 648,843 14 5	<i>d</i> ,	s. d.
Oil, Tallow, and Waste Sundry Stores for Cleaners Repairs of EnginesWages , , Stores , Tools, &cWages , , Stores Thaffic Charges :	6,350 2 I 3,633 I5 8 25,916 6 0 15,236 0 6 2,106 8 3 1,493 10 8 204,805 18 9	1 3*88	16-83			
Trafile Manager's Office Melbourne Terminus, Passenger Station Melbourne Terminus, Goods Station Melbourne Terminus, Goods Station North Melbourne Station Footscray Station Station Masters Station Masters Porters, Laborers, &c. Pointsmen, &c. Gatekcepers Guards Travelling & Incidental Expenses Repairs of Carriages and { Wages Wagons Stores Sundry Charges Williamstown Pier Expenses	19,798 14 2 15,331 10 9 4,504 3 6 6,085 18 1 9,114 17 3. 7,339 16 7		20142		- F	
GENERAL CHARGES: Secretary's Office Accountant's ,, Superannuation Allowances Insurance of Buildings Total Balance	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 I'32 4 0'52	1.40	1,216,675 4	10	7 10'3'

From the practice which obtains of running a large number of Mixed trains on all the Lines, the Passenger and Goods train mileage and charges cannot be separated.

Railway Department, Accountant's Office, 20th March 1879.

1

P. P. LABERTOUCHE, Secretary. GEO. T. A. LAVATER, Accountant.

.

. . . . VICTORIAN RAILWAYS.

No. 10. Automatic and a second second second • STATEMENT of Revenue and Expenditure on the NORTHERN SYSTEM for the Year ending 31st December 1878.

×.

DR.	EXI	PENDITURE.	16 t. 1		,	-	RE	VENUE.	• • •	CR.
	Miles open Through Mileage Average open for the Year Train Miles ran	·· ·· ·· ··	324 324 295 1 1,184,012	Cost per Train Mile.	Per Cent. to Revenue.	• Number of Tons of Li	Passengers ca ve Stock carrier oods carried	1 ··· .	777,454 16,208 351,203	Revenue per Train Mile.
		£ s. d.		;		•		· · · · · · · · · ·	·. 1 ···	
MAINTE	NANCE OF WAY AND WORKS:	ar. s. u.	£ s. d.	s. d.			*	.; £. s. d.	£ . s. d.	·s. d.
Sala	ries, Wages, and Services	42,659 1 3.		·.		Passengers		154,372 1 10		
Mat	erials	-12,801 8 9-				Parcels, &c.		10,339 7 3		1 N
	·		55,460 IO 0.	0 11.54.	10,81	Horses, Carria	ges, and Dogs	5,173 7 9	· · ·	· · .
	TVE CHARGES :	4. •	,			Mails	•• ••	7,715 7 6.		
	Superintendent and Clerks	1,105 16 10				Rents Miscellaneous	••* ••	· 5,415 16 . 7 2,006 1 5	3. 4 / 8	1
"	Foremen	1,243 16 11				Live Stock		29,513 14: 7		1
**	Cleaners	3,477 10 .7				Goods	•• .	298,417 7 6		4×
**	Coalmen and Laborers	1,788 2 11					ч. Ч	;		
**	Sundries	4,464 4 3		:						111 T
Coal	.a	26,839 5 5						p'		1
Woo Wat	i i	669 16 2 2,004 5 8)	• :	1 1	· · ·	
	Tallow, and Waste	2,552 10 3							21, 2 4 4	
	Iry Stores for Cleaners	1,391 3 8					<i>n</i> .		1	
Repa	irs of Engines-Wages	11,592 4 4						i '	·	
	79 19 Stores	6,516 7 9					*.			
	" Tools, &cWages	830 II 3 577 I8 9			.					
		1377 10 9	82,664 14 11	1 4.76	16.11					l, f
RAFFIC	CHARGES :	•								. ·
Traf	fic Manager's Office (propor-						· ,	2		-
	on of)	1,883 11 10								
of	ourne Terminus (proportion.	18,298 19 4						, <i>•</i>		! • •
Nor	th Melbourne Station (propor-					i		1 g. 1 g. 1 g. 1		-
*	seray Station (proportion of)	1,144 18 2								
	arat Station (proportion of)	951 6 4 2,122 4 4				•				
	ion Masters	5,156 17 0								
Cler		3,794 1 10		l				· .	ŕ ,	
	ers, Laborers, &c	13,696 14 3					i	,		[
	tsmen, &c	2,459 3 4				:		· ·	·	ļ
Gua	•	9,979 15 10 5,062 5 3		l						
	es for Stations	3,931 4 1					. •	•		
	pensation	698 0 9								
	ertising	978 9 4								<
	velling & Incidental Expenses	1,102 3 9							·	•
Rep: W	airs of Carriages and { Wages agons { Stores	9,056 4 II 6,981 9 I				1			{	
Grea	sing Carriages and [Wages	1,922 9.0								
w	agons Stores	2,649 11 4			:		· · · · · · · · · · · · · · · · · · ·			
Sun	dry Charges	3,846 9 5							· ·	· ′
ENERAT	CHARGES :	· ·	95,715 19 2	1 7'40	18.00					
	etary's Office (proportion of)	sala E -							Į .	20 1
	ountant's Office (proportion of)	1,360 6 5					•	([· ·	{
Sup	rannuation Allowances (pro-						•	:		
	rtion of)	887 3 10					ŗ	••	'	
	rtion of)	424 7 7				-	•			
	5		7,158 19 3	0 1'45	1'40	1			ļ ,]
	Total	·	241,000 3 4	4 0.85	46.98	Į. •			, i	1
_		1		4 0.05	40 90	l				1
Bala	nce		271,953 I I						··· ·	
		i i								
		1	512,953 4 5	1	1	1		1	512,953 4 5	8 7.98

Railway Department, Accountant's Office, 20th March 1879.

P. P. LABERTOUCHE, Secretary. GEO: T. A. LAVATER, Accountant. .3

. Tr

<u>,</u>

...

. . .

÷

No. 11.

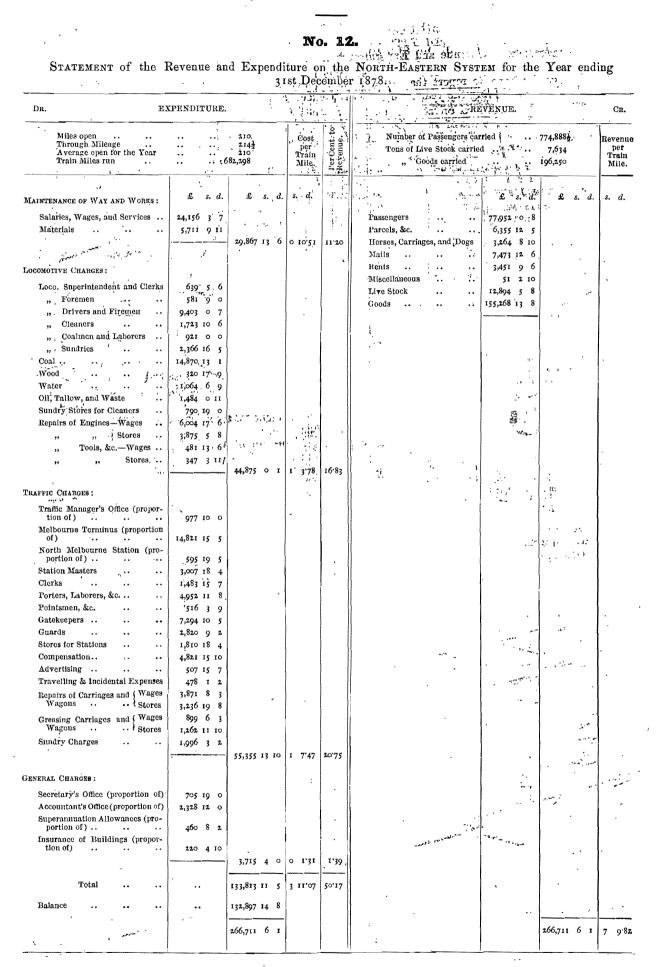
STATEMENT of Revenue and Expenditure on the WESTERN SYSTEM for the Year ending 31st December 1878.

 $t \to -t$

DR. EXP	ENDITURE.				REVI	CNUE. CI
Miles open Through Mileage Average open for the Year Train Miles run	··· ·· ·· ·· ·· ·· ·· ·· ··	3823 3973 3473 87,898	Cost per Train Mile,	Per Cent. to Revenue.	Number of Passengers carrie Tons of Live Stock carried ,, Goods carried	6,001 pe Tra 367,988 Mil
MAINTENANCE OF WAY AND WORKS : Salaries, Wages, and Services Materials	£ s: d. 46,464 3 2 13,216 II 5		s. d. 1 1.17		-	£ s. d. £ s. d. s. 56,624 19 9 10,167 15 8 4,572 19 1
LOCOMOTIVE CHARGES: Loco. Superintendent and Clerks ,, Foremen ,, Drivers and Firemen ,, Cleaners ,, Coalmen and Labores Coal Wood	I,014 3 0 I,235 4 4 I5,641 7 I 3,102 5 0 I,522 0 0 4,379 I 6 24,072 I4 8 549 4 7 I,542 I 8	59,680 14 7			Mails Rents Miscellaneous Live Stock	11,097 1 10 4,898 16 5 2,817 16 3 9,702 6 6 81,209 19 10
Oil, Tallow, and Waste Sundry Stores for Cleaners Repairs of Engines—Wages ,, ,, Stores ,, Tools, &c.—Wages ,, Stores	2,063 9 4 1,322 19 1 8,017 12 8 4,696 3 11 763 1 0 553 14 0	70,475 I IO	1 3.22	18.05		· · · · · · · · · · · · · · · · · · ·
TRAFFIC CHARGES: Traffic Manager's Office (proportion of) Melbourne Terminus (proportion of) North Melbourne Station (proportion of) Footseray Station (proportion of) Ballarat Station (proportion of) Station Masters	1,432 15 4 .17,065 15 6 873 1 2 726 10 0 4,244 8 7 3,594 4 0				, , , , , , , , , , , , , , , , , , ,	•
Clerks Porters, Laborers, &c. Pointsmen, &c. Gatckeepers Guards Stores for Stations Compensation Advertising Travelling & Incidental Expenses	1,375 17 1 9,938 5 2 1,690 8 3 8,969 1 10 4,346 10 5 3,854 2 11 4,958 4 10 744 5 8 1,331 19 6					· · · · · · · · · · · · · · · · · · ·
Repairs of Carriages and { Wages Wagons { Stores Greasing Carriages and { Wages Wagons } Stores Sundry Charges Williamstown Pier Expenses	6,557 5 0 4,978. 2 0 1,404 16 0 1,955 11 0 2,925 17 4 7,339 16 7	90,306 18 2	1 7'92	23'09		1 5 ~ ·
GENERAL CHARGES: Secretary's Office (proportion of) Accountant's Office (proportion of) Superanuuation Allowances (pro- portion of) Insurance of Buildings (propor- tion of)	1,034 15 0 3,413 3 0 674 17 0 322 16 2	5,445 11 2	0 1'20	1.39		
Total Balance	·	225,908 5 9 165,183 9 7 391,091 15 4	4 1.84	57.76		391,091 15 4 7 2

Railway Department, Accountant's Office, 20th March 1879. P. P. LABERTOUCHE, Secretary. GEO. T. A. LAVATER, Accountant.

ļ



Railway Department, Accountant's Office, 20th March 1879.

P. P. LABERTOUCHE, Secretary. GEO. T. A. LAVATER, Accountant.

41

VICTORIAN RAILWAYS.

No. 13.

STATEMENT of Revenue and Expenditure on the EASTERN SYSTEM for the Year ending 31st December 1878.

Dr. E	XPENDITURE.				REVENUE.	Cr.
Miles open Through Mileage Average open for the Year Train Miles run		1184 1184 1184 113 141,382	Cost per Train Mile.	Per Cent, to Revenue.	Number of Passengers carried 98,856½ Tons of Live Stock carried 261 ,, Goods carried 14,934	Revenu per Train Mile,
	£ s. d.	£ s. d.	s. d.		. £ s. d. £ s.	đ. s. d.
MAINTENANCE OF WAY AND WORKS:					Passengers 25,555 3 0	
Salaries, Wages, and Services	. 10,304 9 7				Parcels, &c 1,802 16 4	
	. 96 10 7		1		Horses, Carriages, and Dogs 870 10 9	
		10,401 0 2	1 5.66	22.65	Mails 3,162 19 10 Rents 8 3 9	
					Miscellaneous 201 I 6	
LOCOMOTIVE CHARGES:					Live Stock 370 10 5	1
]			Goods 13,947 13 5	
Loco. Superintendent and Clerk	s 123 10 0 63 18 2				· .	
	1,792 8 11					
	. 297 10 5		1			
", Coalmen and Laborers	. 193 13 4		-			
,,	. 969 ° I		1	· · ·		
••••	2,287 5 11		· .		· · · · · · · ·	1
	108 3 8	1			. ,	
	250 1 7					
and the second	128 13 11	•	1	(
Repairs of Engines-Wages	301 11 6					
,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,	148 3 2					
" Tools, &cWages			}			
", Stores	14 14 0	6,791 1 11	0 11'53	14.70		
					•	
TRAFFIC OF ADORS					×	
TRAFFIC CHARGES :		[
Traffic Manager's Office (propo tion of)	. 169 12 2					ĺ
Station Masters	681 10 11	1				
	250 14 8				e de la construcción de la constru	
· · ·	1,957 17 3					
	1017ò 71793					
	717 9 3 531 15 1	1				
	. 1,059 5 9					
and the first	214 0					
Advertising	88 2 2				•	
Travelling and Incidental E penses	K- 379 9 2					1
Repairs of Carriages and (Wag						
wagons ··· (Stor	95 135 0 0	1 .]
Greasing Carriages and Wag	es 277 12 3			.		
Wagons ·· { Stor Sundry Charges		1				1
Sundry Charges	346 7 4	7,140 6 11	1 0.17	15.22		
GENERAL CHAROES :				.	••	
Secretary's Office (proportion	f) 122 9 10					1
Accountant's Office (proporti	on			·		
of)	404 1 0					
portion of)	79.17 10	·				
Insurance of Buildings (propo			1			
tion of)	38 4 2		0			
•		644 12 10				
Total Balance	•• ••	24,977 1 10	3 6.40	54*39	-	
	**	20,941 17 2	-			
,	1	45,918 19 0	1	1 H	45,918 19	0 6 59

Railway Department, Accountant's Office, 20th March 1879.

.

P. P. LABERTOUCHE, Secretary. GEO. T. A. LAVATER, Accountant,

.

4

•

No. 14.--RETURN of Wool from the undermentioned Stations to Melbourne, Williamstown Pier, Geelong, and Portland for Year ending 31st December 1878.

		١	To	Melbourne.	To Will	lamstown Pler.	То	Geclong.	To	Portland,	1	Total.
From			Bales.	Revenue.	Bales.	Revenue.	Bales.	Revenue.	Bales.	Revenue,	Bales.	Revenue.
				£ 8. d.		£ s. d.		£ s. d.		£ s. d.	\	£ s. d
Melbourne					84,199	3,062 5 3	17	1 16 0			84,216	3,064 I. 1 140 I7 8
Keilor Road Digger's Rest	••	••	1,237 110	78 10 8	797	5976 7145	21	2 19 6 		• •	2,055 196	140 17 8 14 19 4
Sunbury		••	25	1 12 3				••		••	25	1 12 3
Laucefield Road Riddell's Creek	•••	••	1,074 45	110 15 0	714	8950		••		••	1,788	200 0 0 4 17 8
Gisborne Woodend	••	••	16r	16 18 4				••		••	45 161	16 18 4
Carlsruhe	•••	••	121 30	13 16 3 3 9 4				••		••	121 30	1316 394
Kyneton Malmsbury	••	••	1,250	192 15 5 85 2 7	15	2 13 9	•••	••		••	1,265	195 9 2
Taradale		••	5	0 19 6						**	559 5	0 19 6
Elphinstone Castlemaine	••	•••	352	65 19 9 57 8 1		30 14 3		••		••	352	65 19 9 88 2 4
Harcourt Kangaroo Flat	••	••	•••		74	30 14 3 15 14 6		••		••	74	15 14 6
Sandhurst	••	•••	123 1,227	33 2 2 337 7 6		16 11 6		20 13 6		••	123 1,343	33 2 2 374 12 6
Goornong Elmore	••		203 1,555	60 2 10 487 12 10				••		••	203 1,876	60 2 10 592 2 7
Rochester			780	273 8 10	321 93	104 9 9 32 0 11	7	2 17 0		••	880	308 6 9
Echuca Werribee	••	 	45,186 42	13,152 18 9 3 6 4	31,727 1,009	21,305 11 10 75 13 6	21	8 11 6		••	76,934	34,467 2 1 78 19 10
Little River	••	••	13	1 9 10	82	75 13 6 10 6 4	314	15 19 3		••	409	27 15 5
Lara Geelong	•••	••	177 338	17 15 6	1,570	 197 14 1	24 	140		••	201 . 1,908	18 19 6 234 1 7
Leigh Road	••		32	4 1 4	••	••	1,314	85 15 3			1,346	89 16 7
Lethbridge Meredith	••	••		0 12 0		••	110 659	618 0 66 0 0		••	110 662	6 18 c 66 12 c
Elaine Yendon	••	••	8 207	1 12 0 46 12 2	••	•• .	1,044	104 19 3		••	1,052	106 11 3 69 18 1
Ballarat East	••	••	•••	••		••	187 15	23 5 11 2 7 6 994 6 9		••	394 15	276
Ballarat Craigieburn	••	•••	949 52	230 17 I 2 13 0		••	6,908	994 6 9		••	7,857 52	1,225 3 10 2 13 0
Beveridge	••		196	20 10 11						••	196	20 10 11
Wallan Wallan Wandong	••		127 30	13 I I 3 0 0	::	••		••			127 30	13 1 1 3 0 0
Kilmore	••	••	500	39 2 5	••			••		••	500	39 2 5
Broadford Tallarook		••	578 1,692	71 3 3 259 10 0		12 15 6		••			578 1,765	71 3 3 272 11 6
Seymour Avenel	••	••	948	163 15 4	77 568	14 12 10		••		••	1,025	178 8 2
Longwood	**	••	1,539 2,093	446 10 3	508 126	125 5 11 29 18 6	::	••		••	2,107 2,219	476 8 9
Euroa Violet Town	••	••	983 460	80 16 7 1 19 19 3	67	17-11-9	::	••		••	1,050 460	98 8 4 119 19 3
Benalla		••	2,137	610 10 2		28 10 0		••		••	2,227	648 0 2
Gleurowan Wangaratta	··· ··		111 68g	36 12 7 236 1 2	··- 81	32 5 0		••		•••	111 770	36 12 7 268 6 2
Springs	••	••	6,919	2,236 11 6	4,318	32 5 0 1,516 8 4		••		••	11,237	3,752 19 10
Chiltern Barnawartha	••	••	36 26	15110		••		••		••	36 26	15 II 0 13 5 5
Wodonga Burrumbeet	••	·•	13,678	4,857 5 2	1,068	·384 1 0		156 12 3		•• /	14,746 969	5,241 6 2 167 17 8
Trawalla			42 I	11 5 5 0 7 3 115 6 4			927 337	6780			338	67 15 3
Beaufort Middle Creck	••	•••	392	115 6 4		••	1,703 44	359 12 5		••	2,095 44	474 18 9 10 3 0
Buangor		••*	118	37 14 8			1,004	252 7 6		••	1,122	290 ž 2
Ararat Great Western	••		154 8	58 14 · 1 3 4 2		••	710 169	194 12 8 50 8 9		••	864 177	253 6 9 53 12 11
Stawell	••	••	2,909	962 12 9	140	54 5 0	8,262	2,579 18 10 9 13 6		••	11,311 27	3.596 16 7
Murtoa Tarrawingee	•••			5 18 0		••	27	9 13 0			15	5 18 0
Evertou Beechworth	••	••	728 100	46 13 4 43 8 8		••		••		••	128 109	46 13 4 43 8 8
Guildford	••	•••	109 26	5 19 4		**		••			26	5 19 4
Newstead Moolort	••	••	372 145	92 3 10 37 19 0		••		••			372 145	92 3 10 37 19 0
Carisbrook	••	••	277	81 10 7							277 180	81 10 7
Maryborough Bet Bct	••	••	170 32	42 8 4		••		2 13 10		••	32	10 11 4
Dunolly Bealiba	••	••	322 844	101 17 5 271 9 7		••	264 101	72 18 6 29 16 6		••	586 945	174 15 11 301 6 1
St. Arnaud						••	4	180			4	180
Creswiek Clunes	••	••	254 423	68 8 0 127 4 2		••	67 4	018 0			321 427	80 3 5 128 2 2
Talbot	••		19	5 19 6		**	168 536	36 3 5 158 14 8		••	187 648	42 2 11 198 19 2
Maroona Wickliffe Road	••	::	112 374	4° 4 6 143 13 11		••	1,386	352 0 4			1,760	495 14 3
Glen Thompson Dunkeld	••	••	30 620	11 5 0 248 8 6	···		808 2,590	271 9 3 1,009 15 11	279	50 11 3	838 3,498	282 14 3 1,308 15 8
Condalı	••	••	13	595		1		••	384	41 8 4	397	46 17 9
Hamilton Branxholme	••	••	2,020 121	754 5 3	17	746	1,887 6	685 12 10 2 5 6	5,333 1,442	423 18 11 144 9 1	9,257 1,569	197 10 9
Heywood	••	••		••					32	1 12 0	32 358	1 12 0 107 9 0
Eaglehawk Marong	••	··· ··	45 7	13 11 6 1 18 6	313	93 17 6		•• •			7	1 18 6
Leichardt Bridgewater	••		31 3,918	9 13 5 1,199 0 0	 1,118	363 19 10		••		••	31 5;036	9 13 5 1,562 19 10
Inglewood	••	••	2,764	867 1 9	375	125 0 0	61	22 13 5			3,200	1,014 15 2
Avoea Monnt Moriae	••	••	1,676	506 19 2			816 12	229 6 2 012 0		••	2,492 12-	736 5 4 0 i 2 0
Winchelsea	••	••	198	37 2 11			253	1639		••	45 I	53 6 8
Birregurra Ondit Road	••			3 16 0			575 1,106	57 18 0 130 3 9			575 1,122	57 18 0 133 19 9
Colae	••	••	1,125	281 19 11			2,019	268 10 4		••	3,144	\$50 10 3 *10,637 11 7
Deniliquin	••	••	23,730	*10,302 6 6			625	*335 5 1			24,355	
Total			132,434	41,455 12 2	129,292	27,815 18 3	37,181	8,714 15 0	7,470	661 19 7	306,377	78,648 5 0

* These amounts include the full charge from Denillquin.

Railway Department, Accountant's Office, 20th March 1879.

P. P. LABERTOUCHE, Secretary, GEO. T. A. LAVATER, Accountant.

No. 15.-AMOUNT, Mileage, and Traffic at each Station for the Year ending 31st December 1878.

				PASS	ENGERS, PA	RCELS, ETC.								GOODS	99 1 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				-		LIVE	STOCK.				STATION TRAFFI		
	Stations.		OUTWARDS.				IN	WARDS.	er.			Outwards.	-				ວະ			Outwards.					being Molety of	Outwards and Inward	ds Revenue from—	- Stations.
			e. anue. Nill Revenue.				Mileage. And Nileage.	Revenue.	Parcels, &c.	Tons.	per Milea	Revenu per Mill			Tons. per	Mileage.	Reven		Tons. per	Mileage.		Tons. per	Mileage. 57				Totals.	
Systems	North Melbourne Footscray Kolior Road Diggersrest Suubury Lancefield Road Riddel's Creek Gisborne Macedon Kyneton Kyneton Kyneton Kyneton Kyneton Kyneton Kyneton Kyneton Kyneton Carisruhe Carisruhe Castlemaine Harcourt Racecourse (Sandhurst) Goornong Sandhurst Racecourse (Sandhurst) Goornong Einnore Racecourse (Sandhurst) Goornong Kunester Racecourse (Sandhurst) Goornong Killiamstown Junction North Williamstown Williamstown Junction North Williamstown Williamstown Pier Koelong Gelong Leigh Road Leigh Road Leigh Road Leigh Road Leigh Road Leigh Road Leigh Road Konsington Konsington Racecourse (Alelbourne) Ballarat East Ballarat Konsington Kumore Kumore Soymour Ascot Yale Mooraboel Buroadford Racecourse (Alelbourne) Broadford Soymour Avenel Kuldue Creek* Banda wallan Wandong Kuldue Creek* Banda Generiowan Wartenker Avenel Kuldue Creek* Banda Generowan Wandara Kuldue Creek* Banda Bandara Generowan Kuldue Creek* Banda Bandara Bandara Bandara Springs Carisbrook Marata Bandara B	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	70 111 123,382 8 70 111 123,382 8 70 111 123,382 8 71 54,416 15 54,45 18 71 131 1,242 2 2 71 133 1,242 2 2 71 133 1,242 2 2 71 133 1,242 2 2 717 730 1,575 79 75 700 1,23 1,505 70 12 700 1,23 1,4067 2 2 713 13,41 14 750 75 705 1,347 11 16 76 713 1,414 1,347 11 738 0.761 1,507 2 747 73 1,507 2 2,539 737 1,517 1,507 2 3,537 738	$\begin{array}{c} 1 \\ 2 \\ 2 \\ 3 \\ 2 \\ 3 \\ 2 \\ 3 \\ 2 \\ 3 \\ 2 \\ 3 \\ 2 \\ 3 \\ 2 \\ 3 \\ 2 \\ 3 \\ 2 \\ 3 \\ 2 \\ 3 \\ 3$	$ \begin{array}{c} 5_{1} 5$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 366 11 1 \stackrel{10}{10} \\ 3199 3 6 10 \\ 3199 3 6 10 \\ 3199 3 6 10 \\ 3199 3 6 10 \\ 3199 3 6 10 \\ 3199 3 6 10 \\ 315 9 \\ 42 \\ 315 9 \\ 1,166 8 3 3 2 \\ 2,16 9 \\ 1,166 8 3 3 2 \\ 2,16 9 \\ 1,1207 7 \\ 1 \\ 149 4 2 \\ 1,1207 7 \\ 1 \\ 149 4 2 \\ 1 \\ 2,216 9 \\ 1 \\ 2,216 9 \\ 1 \\ 2,25 9 \\ 4 \\ 0 \\ 2,25 \\ 1 \\ 1,25 \\ 1 \\ 1 \\ 2,25 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 2,25 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ $	8 10 2:04 31,157 31,157 8 8 10 88 20 88 20 80 31,157 8 10 88 20 80 88 20 80 20 80 <th20< th=""> 20 80 20 80</th20<>	$ \begin{array}{c} 155,917 & 0 & 2 & 0 \\ 1,052 & 12 & 3 & 0 \\ 409 & 01 & 1 \\ 4,91 & 0 & 3 & 10 \\ 8,585 & 42 & 14 \\ 4,781 & 4 & 2 & 7 \\ 4,514 & 5 & 0 & 7 \\ 12,763 & 15 & 0 & 2 & 0 \\ 14,47,81 & 4 & 2 & 7 \\ 4,534 & 5 & 0 & 7 \\ 21,003 & 0 & 2 & 0 \\ 14,47,81 & 4 & 2 & 7 \\ 21,003 & 0 & 2 & 0 \\ 14,47,81 & 4 & 2 & 7 \\ 21,003 & 0 & 2 & 0 \\ 14,47,81 & 4 & 2 & 7 \\ 12,783 & 15 & 0 & 7 \\ 12,783 & 15 & 0 & 7 \\ 12,783 & 15 & 0 & 7 \\ 12,783 & 15 & 0 & 7 \\ 12,783 & 15 & 0 & 7 \\ 12,783 & 15 & 0 & 7 \\ 12,783 & 15 & 0 & 7 \\ 11,034 & 14 & 2 & 6 \\ 12 & 9 & 7 & 7 & 2 \\ 11,035 & 10 & 24 & 7 & 0 & 21 \\ 11,034 & 14 & 2 & 6 \\ 12 & 9 & 7 & 7 & 2 \\ 12,035 & 7 & 0 & 7 \\ 24,036 & 4 & 12 & 7 \\ 14,47,504 & 8 & 2 & 11 \\ 5,761 & 1 & 1 & 10 \\ 7,66 & 4 & 2 & 12 \\ 5,761 & 1 & 10 & 7 \\ 124,153 & 27 & 7 & 2 \\ 1,026 & 7 & 1 & 3 \\ 2,7,033 & 11 & 3 & 27 \\ 1,035 & 12 & 0 & 7 \\ 24,026 & 7 & 1 & 3 \\ 27,093 & 11 & 3 & 4 \\ 7,024 & 10 & 3 & 14 \\ 4,758 & 12 & 0 & 13 \\ 27,037 & 15 & 1 & 14 \\ 24,483 & 12 & 0 & 13 \\ 14,513 & 11 & 3 & 21 \\ 12,033 & 1 & 0 & 2 \\ 24,015 & 21 & 0 & 23 \\ 10,018 & 12 & 0 & 13 \\ 14,131 & 11 & 3 & 21 \\ 14,758 & 14 & 2 & 7 \\ 22,518 & 5 & 1 & 0 & 0 \\ 13,107 & 9 & 2 & 21 \\ 13,107 & 9 & 2 & 21 \\ 13,107 & 9 & 2 & 21 \\ 13,107 & 9 & 2 & 21 \\ 13,107 & 9 & 2 & 21 \\ 13,107 & 9 & 2 & 21 \\ 13,107 & 9 & 2 & 21 \\ 13,107 & 9 & 2 & 21 \\ 13,107 & 9 & 2 & 21 \\ 13,107 & 9 & 2 & 21 \\ 13,107 & 9 & 2 & 21 \\ 14,758 & 14 & 2 & 16 \\ 3,107 & 9 & 2 & 21 \\ 13,107 & 9 & 2 & 21 \\ 13,107 & 9 & 2 & 21 \\ 13,107 & 9 & 2 & 21 \\ 13,107 & 9 & 2 & 21 \\ 14,131 & 1 & 3 & 14 \\ 3,187 & 4 & 121 \\ 24,48 & 13 & 2 & 0 \\ 15,148 & 13 & 1 & 17 \\ 24,420 & 13 & 2 & 16 \\ 14,921 & 12 & 12 \\ 14,151 & 14 & 21 \\ 14,251 & 13 & 14 \\ 3,167 & 4 & 0 & 11 \\ 14,261 & 13 & 1 & 14 \\ 24,48 & 13 & 1 & 17 \\ 14,244 & 13 & 1 & 7 \\ 14,244 & 13 & 1 & 7 \\ 14,244 & 13 & 1 & 7 \\ 14,244 & 13 & 1 & 7 \\ 14,244 & 13 & 1 & 17 \\ 14,244 & 13 & 1 & 7 \\ 14,244 & 13 & 1 & 17 \\ 14,244 & 13 & 1 & 17 \\ 14,244 & 13 & 1 & 17 \\ 14,244 & 13 & 1 & 17 \\ 14,244 & 13 & 1 & 17 \\ 14,244 & 13 & 1 & 14 \\ 15,114 & 24,15 & 14 \\ 14,244 & 15 & 114 \\ 1$	$\begin{array}{c} \\$	$\begin{array}{c} \\$	275,721 5 5 7 2,001 2 7 26,57 1 8 2,595 1 8 127 11 7 2,595 1 8 127 11 7 2,595 15 7 2,004 1 1 2,595 15 7 2,004 7 1 3 395 15 7 7 2,455 12 2 7 6,034 7 1 1 337 18 0 448 15 4 0 5,103 17 8 30^{-11} 11 1 5,530 17 8 0 448 15 4 0 133 12 6 0 448 15 4 0 133 12 6 0 448 15 4 0 133 12 6 0 14,313 12 6 0 131,493 1 6 0 131,493 1 6 0 133 12 6 0 131,493 1 6 0 133 12 7 1 2,055 11 9 0 52 9 6 11 4 9 705 15 10 4 0 1775 16 8 0 1705 17 9 2 2,880 13 1 10 0 705 15 0 1,606 17 9 7 2,806 13 1 1 1,775 16 8 0 1,606 17 9 7 2,806 13 1 1 2,595 14 8 0 1,149 14 9 0 5,103 17 10 7,095 15 0 3,543 17 0 5,103 18 7 9 3,473 17 10 1,257 15 8 11 2,595 14 8 0 2,2590 18 7 9 3,473 17 10 1,621 17 9 3,543 17 0 5,103 18 7 9 3,544 16 7 10 1,537 18 9 1,60 17 9 2,276 2 2 0 3,487 17 10 1,621 7 10 2,595 14 0 3,544 16 7 0 3,544 17 0 4,117 7 10 1,621 7 10 1,621 7 10 2,595 14 0 3,544 16 0 3,594 17 0 2,276 2 2 0 3,285 5 1 3,395 13 7 0 3,544 16 0 3,594 17 0 2,276 2 2 0 3,285 5 1 3,395 13 7 0 3,544 16 0 3,594 16 0 3,395 17 0 2,276 2 2 0 3,288 5 3 1 130 0 14,77 7 10 14,78 19 10 15,717 10 14,78 19 10 15,717 10 14,78 19 10 15,717 10 14,78 19 10 14,78 19 10 15,717 10 14,78 19 10 15,717 10 14,78 19 10 14,79 10 14,79 10 14,79 10 14,	I 15 4'42 377 I 18 0:09 10 I 13 0:05 2 I 13 50 6 6:10 I 10 10 10 10 I 10 10 10 10 I 10 14 972 0 I 1 0:18 171 10 I 1 0:18 171 10 I 10 11 0:18 14 13 I 1 10 11 13 10 I 1 10 11 13 11 I 10 11 13 11	$\begin{array}{c} 323 & 6 & 3 & 2 & 0 \\ 323 & 6 & 3 & 0 \\ 323 & 6 & 3 & 0 \\ 323 & 6 & 3 & 0 \\ 323 & 2 & 0 & 0 \\ 323 & 2 & 0 & 0 \\ 323 & 2 & 0 & 0 \\ 323 & 2 & 0 & 0 \\ 323 & 2 & 0 & 0 \\ 335 & 2 & 0 & 0 \\ 337 & 2 & 0 & 0 \\ 337 & 12 & 12 \\ 338 & 1 & 0 & 22 \\ 438 & 1 & 0 & 22 \\ 449 & 6 & 1 & 12 \\ 3398 & 1 & 0 & 22 \\ 449 & 6 & 1 & 0 \\ 7 & 2 & 2 & 21 & 8 \\ 7 & 1 & 21 & 12 \\ 730 & 13 & 11 & 12 \\ 744 & 5 & 1 & 12 \\ 731 & 18 & 13 & 17 \\ 731 & 18 & 12 & 17 \\ 731 & 18 & 12 & 17 \\ 731 & 18 & 12 & 17 \\ 731 & 18 & 12 & 17 \\ 731 & 18 & 12 & 17 \\ 731 & 18 & 12 & 17 \\ 731 & 18 & 12 & 17 \\ 736 & 3 & 2 & 12 \\ 737 & 13 & 12 & 27 \\ 736 & 3 & 2 & 12 \\ 737 & 13 & 12 & 27 \\ 737 & 13 & 12 & 27 \\ 736 & 3 & 2 & 12 \\ 737 & 13 & 12 & 27 \\ 736 & 3 & 2 & 12 \\ 737 & 18 & 12 & 27 \\ 736 & 3 & 2 & 17 \\ 737 & 18 & 12 & 27 \\ 737 & 18 & 12 & 27 \\ 736 & 13 & 2 & 27 \\ 737 & 18 & 12 & 27 \\ 737 & 18 & 12 & 27 \\ 737 & 18 & 12 & 27 \\ 737 & 18 & 12 & 27 \\ 737 & 18 & 12 & 27 \\ 737 & 18 & 12 & 27 \\ 737 & 18 & 12 & 27 \\ 737 & 18 & 12 & 27 \\ 737 & 18 & 12 & 27 \\ 737 & 18 & 12 & 27 \\ 737 & 18 & 12 & 27 \\ 737 & 18 & 12 & 27 \\ 737 & 18 & 12 & 27 \\ 737 & 16 & 2 & 27 \\ 737 & 16 & 2 & 27 \\ 737 & 16 & 2 & 27 \\ 737 & 16 & 2 & 17 \\ 737 & 13 & 2 & 17 \\ 738 & 13 & 2 & 27 \\ 737 & 13 & 2 & 17 \\ 738 & 13 & 2 & 27 \\ 737 & 13 & 2 & 17 \\ 738 & 13 & 2 & 27 \\ 737 & 13 & 2 & 17 \\ 738 & 13 & 2 & 27 \\ 737 & 13 & 2 & 17 \\ 737 & 13 & 2 & 17 \\ 737 & 13 & 2 & 17 \\ 737 & 13 & 2 & 17 \\ 737 & 13 & 2 & 17 \\ 737 & 13 & 2 & 17 \\ 737 & 13 & 2 & 17 \\ 737 & 13 & 2 & 17 \\ 737 & 13 & 2 & 17 \\ 737 & 13 & 2 & 17 \\ 737 & 13 & 2 & 17 \\ 737 & 13 & 2 & 17 \\ 737 & 13 & 2 & 17 \\ 737 & 13 & 2 & 17 \\ 737 & 13 & 2 & 17 \\ 737 & 13 & 2 & 17 \\ 737 & 13 & 2 & 17 \\ 737 & 13 & 2 & 17 \\ 737 & 13 & 14 & 2 \\ 737 & 14 & 2 & 17 \\ 737 & 14 & 2 & 17 \\ 737 & 14 & 2 & 17 \\ 737 & 14 & 2 & 17 \\ 737 & 14 & 2 & 17 \\ 737 & 14 & 2 & 17 \\ 737 & 14 & 2 & 17 \\ 737 & 14 & 2 & 17 \\ 737 & 14 & 2 & 17 \\ 737 & 14 & 2 & 17 \\ 737 & 14 & 2 & 17 \\ 737 & 14 & 2 & 17 \\ 737 & 14 & 2 & 17 \\ 737 & 14 & 2 & 17 \\ 737 & 14 & 2 & 17 \\ 737 & 14 & 2 & 17 \\ 737 $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 9 & 7 \\ 9 & 7 \\ 9 & 7 \\ 9 & 8 \\ 8 & 3 \\ 1 & 0 \\ 1 & 0 \\ 1 & 0 \\ 1 & 0 \\ 1 & 0 \\ 1 & 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\$	493 9 0 0 131'41 9 10 0 0 142'44 6 0 0 45'82 8'5'00 21 0 0 0 45'82 8 0 0 0 52'50 568 10 0 0 52'50 568 10 0 0 52'50 568 10 0 0 7'' 0 0 7'' 0 0 0 7'' 0 0 0 0 13''' 0 0 0 0 13''' 0 0 0 0 0 3'''' 0 0 0 0 3'''''' 0 0 0 0 3''''''''''''''''''''''''''''''''''''	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1,024 7 3 2 I 643 3 20 4 7 3 2 I 643 3 20 4 6 17 14 14 14 17 177 18 8 0 17 16 3 0 18 07 16 15 6 13 0 18 07 18 07 18 07 18 07 18 07 18 07 18 07 18 07 18 07 18 07 18 07 18 07 18 07 18 10 13 11 17 18 07 18 11 11 12 13 11 11 13 11 11 13 11 11 13 11	20,455 7 0 0 13524 17 10 0 0 6420 774 0 0 1271 9 0 0 0 450 35 0 0 0 450 35 0 0 0 450 35 0 0 0 567 79 10 0 0 567 12 10 0 0 803 12 10 0 0 807 112 10 0 0 807 1136 0 0 14571 12570 1101 10 0 0 8566 150 0 0 14571 12570 1101 10 0 0 14571 1101 10 0 0 14571 $1101000000000000000000000000000000000$	7 $i, 523$ $4'4'$ 7 $i, 576$ $3''$ 7 $2, 2, 206$ $5''$ 7 $2, 85'$ $5''$ 7 $2, 85'$ $5''$ 8 $9, 55'6$ $3''$ 7 $2, 85'6$ $4''$ 8 $9, 55'64$ $4''$ 1 $1, 8204$ $4''$ 6 $1, 112$ $4''$ 8 $9, 55'64$ $4'''$ 8 $9, 55'64$ $4'''$ 9 $1, 6492$ $6'''$ 9 $3, 648$ $6''''$ 9 $3, 654$ $5'''''$ 9 $3, 654$ $5''''''''''''''''''''''''''''''''''''$	65 31 18 0 1 17 67 65 31 18 0 17 7 7 30 17 57 66 1,15 14 2 3 13 11 71 36 4 16 0 19 37 73 8 13 11 14 103 14 103 71 36 4 6 1 3 42 71 36 4 1 9 37 73 8 1 18 77 30 35 4 8 1 9 228 10 4 0 17 0 13 36 31 10 2 9 36 118 75 118 785 2 1 14 37 14 120 13 14 13 <th14< th=""> 13</th14<>	$\begin{array}{c} 2,360 & 5 & 9, 9, 9, 4, 400 & 0 & 5, 1, 0, 0 & 6, 1, 0, 0 & 1, 1, 4, 40 & 1, 5 & 0, 9, 86 & 0, 9, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 415, 144 & 11 & 93 \\ 51, 145 & 11 & 93 \\ 6, 850 & 19 & 04 \\ 7, 260 & 5 & 94 \\ 6, 850 & 19 & 04 \\ 1, 260 & 18 & 11 \\ 1, 300 & 9 & 14 \\ 1, 300 & 9 & 14 \\ 1, 300 & 9 & 14 \\ 1, 300 & 18 & 1 & 17 \\ 2, 455 & 14 & 15 \\ 1, 24 & 15 & 10 \\ 1, 301 & 19 & 15 \\ 2, 4352 & 10 & 17 \\ 1, 281 & 19 & 15 \\ 2, 4352 & 10 & 13 \\ 1, 281 & 14 & 15 \\ 1, 281 & 14 & 15 \\ 1, 281 & 14 & 15 \\ 1, 281 & 14 & 10 \\ 1, 5314 & 15 & 10 \\ 1, 5314 & 15 & 10 \\ 1, 5315 & 18 & 11 \\ 1, 2, 202 & 10 \\ 1, 10 & 0 \\ 1, 7315 & 18 & 11 \\ 1, 108 & 2 & 2 \\ 1, 108 & 10 & 10 \\ 1, 7315 & 18 & 11 \\ 1, 108 & 10 & 10 \\ 1, 7315 & 16 & 10 \\ 1, 109 & 12 & 2 \\ 1, 108 & 10 & 10 \\ 1, 7315 & 10 & 10 \\ 1, 109 & 12 & 2 \\ 1, 108 & 10 & 10 \\ 1, 7315 & 15 & 10 \\ 1, 109 & 12 & 2 \\ 2, 045 & 18 & 1 & 12 \\ 1, 090 & 12 & 9 \\ 2, 045 & 11 & 12 \\ 1, 090 & 12 & 17 \\ 2, 045 & 11 & 12 \\ 1, 090 & 12 & 17 \\ 2, 045 & 11 & 12 \\ 1, 090 & 12 & 17 \\ 2, 045 & 11 & 12 \\ 1, 090 & 12 & 17 \\ 2, 045 & 11 & 12 \\ 1, 090 & 12 & 17 \\ 2, 045 & 11 & 12 \\ 1, 090 & 12 & 17 \\ 2, 045 & 11 & 12 \\ 1, 090 & 12 & 17 \\ 1, 148 & 10 & 10 \\ 445 & 10 & 17 \\ 2, 045 & 11 & 12 \\ 1, 045 & 11 & 12 \\ 1, 045 & 11 & 12 \\ 1, 045 & 11 & 12 \\ 1, 045 & 11 & 12 \\ 1, 045 & 11 & 12 \\ 1, 045 & 11 & 12 \\ 1, 045 & 11 & 12 \\ 1, 045 & 11 & 12 \\ 1, 045 & 11 & 12 \\ 1, 045 & 11 & 12 \\ 1, 045 & 11 & 12 \\ 1, 045 & 11 & 12 \\ 1, 045 & 11 & 14 \\ 1, 045 & 11 \\ 1, 045 & 11 & 14 \\ 1, 045 & 11 \\$	North Meibourne Footscray Kellor Road Diggerssest Sunbury Lancefield Road Hiddell's Creek Gisborne Macadon Woodend Carisruhe Kynston Kanel Carisruhe Kynston Castleunaine Harcourt Ravelswood Kangaroo Flat Sandhurst Racecourse (Sandhurst) Goornong Elmore Rochester Echnea Sandhurst Racecourse (Sandhurst) Goornong Elmore Rochester Echnea Yarraville *Edom Williamstown Junction North Williamstown Williamstown Junction North Williamstown Williamstown Pier Werribee Little River Lara Geelong Moorabool Gheringhap Leigh Road Lethbridge Moredith Elaine Lai Lal Yendon Warrenlelp Ballarat East Ballarat Kensington Nowmarket Ascot Yale Moone Ponds Essendon Racecourse (Melbourne) Broadford Tallarook Seymour Avenel Long wood Euroa Violet Town Benalla Gleurowan Windernere Burrunbeet Trawalla Beaufort Windernere Burrunbeet Trawalla Beaufort Windernere Burrunbeet Trawalla Beaufort Ararat Guildford Newstead Joyce's Creek Moolort Carisbrook Maryborongh Havelock Bet Bet Dunolly *Sc Armand Racecourse (Ballarat) Creswick Maryborongh Havelock Bet Bet Dunolly *Karfial *Warfial *Warfial *Warfial *Warfial *Warfial Beaufort *Balthan Beaufort Ararat Guildford Newstead Joyce's Creek Moolort Carisbrook Maryborongh Havelock Bet Bet Dunolly *Courib Course (Ballarat) Creswick Maryborongh Havelock Bet Bet Dunolly *Karfia Balthar *Warfial *War
* These stations were open for traffic for only portion of the year.	GRAND TOTALS	<u> 1 </u>		1 1	90,846 8 0 3	3,829,2551 23'21	88,893,459 1.1	424,504 5 31 2	2'01 90,846 8 0	930,375 4 0 13	05.47 60,912	2,389 2'56	048,843 14 5	1	au			14 5 0 13 11'37	30,103 15 0 0 118.06	3,554,193 3.54	4 52,480 17 2 1 14 10'4	30,103 15 0 0 1180	3,554,193 3.	54 52,480 17 2 1 14 10.	D 515,350 13 3	2 701,324 11 7	1,210,075 4 10	GRAND TOTALS

Railway Department, Accountant's Office, 20th March 1879.

No. 9,

P. P. LABERTOUCHE, Secretary. GEO. T. A. LAVATER, Accountant,

43, 44

No. 16.

RETURN of the Number of Passes issued during the Year ended 31st December 1878.

			***	347
				' 222
••••	···	•••		
-	-		•••	16
		s	•••	12
e Concer	ts, &c.	•••	•••	97
			20	
•••	•••		500	
				520
				22
		•••		22
	•••	•••		33
•••	•••	•••		125
			35	
		•••	25	
				60
•••				68
		•••		1,602
				1,245
•••	•••	•••		36
•••	•••		•••	98
	•••			64
				·
•••	•••	•••	•••	4,589
	te Art E e Concer 	te Art Exhibition: e Concerts, &c. 	e Concerts, &c 	te Art Exhibitions e Concerts, &c 20 500 500

Railway Department, 20th March 1879.

P. P. LABERTOUCHE, Secretary.

VICTORIAN RAILWAYS.

No. 17.

RETURN of Rolling-stock on the Victorian Railways at 31st December 1878.

TI	OMO- VE INES.			c	ARR	IAG	ES,							WA	GON	rs.					VANS	ş.			CKS.
Passenger.	Goods.	State.		American A		American.	3rd Class.	Composite.	Total.	Low-sided.	Double Bogle.	Hopper, Coal.	High-sided and Covered.	Medium.	Cattle.	Sheep.	Bullast.	Total.	Brake.	Mail,	Powder.	Hearse.	Total.	HORSE BOXES.	CARRIAGE TRU
80	68	I	65	3	99	I	2	60	231	312	37	39	890	836	1 57	165	166	2,602	90	10	11	r	112	2.6	23

* Including 50 ballast wagons recently purchased by Engineer-in-Chief's Branch.

RETURN of Rolling-stock Ordered and in course of Construction at 31st December 1878.

11	8	 	6		-7			13				100			110	10	••••	•••	 10	15.	15

. . . .

Locomotive Superintendent's Office, Melbourne, 31st March 1879. S. MIRLS, Locomotive Superintendent.

.

¢.,

•

. . .

.

,

No. 18.

, ·

٠

DETAIL of Locomotive Charges for the Year ending 31st December 1878.

PASSENGER AND GOODS TRAINS—Number of Train Miles ru	1n	3,09	5,590
· · · · ·			Cost per Train Mile.
LOCOMOTIVE POWER,	£ s. d.	£ s. d.	7: 3?",- d.
Vages of Foremen	3,124 8 5		0 0.24
" Drivers and Firemen	44,447 16 9	من الديني من المراجع ا محمد المراجع الم	a 3*45
" Cleaners and Lighters-up	10,598 8 9	***	0 0.82
" Coalmen and Yard Laborers	1 4,424 16 3	••••	0_0'34
Cost of Coal	68,069 19 1	***	0 5:28
"Wood	1,708 -2 2	-	(··· 0 ·0.13)
" Water, Pumpers, &c	5,995 8 6	•••	0 0'47
" Oil, Tallow, and Waste	6,350 2 1	144	0 0 49
"	1,849 17 1	and a state of the state of the	0 0'14
Board and Lodging Expenses of Men away from Home	1,257 0 4		C 0 0,10
Cost of Gas	295 4 9	, "" " ') #14	°Ct, 0, 0,002
" Small Stores and Hose Pipe for washing out engines, &c.	2,557 14 10	2004 15 0000152 0 - 0 010	0 0'20.
LOCOMOTIVE REPAIRS.			
Vages	25,916 6 0	150,678 19 0	0 11.68
Material	15,236 0 6		off ्रजीह हैं।
TOOLS, MACHINERY, AND BUILDINGS.		41,152 6 6	0 3.19
Vages	- 2,106 8 3		
Material	1,493 10 8		
the second s		3,599 18 11	0 0'28
GENERAL CHARGES.			
ncluding Watchmen, Half-pay for Accidents, Wages	5,788 I 4		
Holidays, Stationery, &c. (Material	703 17 8	6,491 19 0	0 0.20
upervision, including all Salaries and Office Charges		2,882 15 4	0 00123 9713 972502
TRAFFIC CHARGES.		204,805 18 9	x 3 ⁸⁸
Carriage Repairs—Wages	9,792 4 8		
" Material	5,247 x 6		1° .
Wagon Repairs-Wages	10,006 9 6		
	10,084 9 3	ŕ	
Carriage and Wagon Working Expenses—Wages	4,504 3 6	·	
"Material	,i 6,085 I& I	17 maa 6 6	
	1	45,720 6 6	• 3`54·
· · · · · · · · · · · · · · · · · · ·	i .i	250,526 5 3	1 7'42
. (* :)		450,520 5 3	

Railway Department, Accountant's Office, 20th March 1879.

بالا بعد ال

P. P. LABERTOUCHE, Secretary.' GEO. T. A. LAVATER, Accountant. ۱

:

......

1

- --

÷

No. 19.

COMPARATIVE Yearly Statement of Miles of Line Open, Cost of Construction, Rolling-stock Employed, Gross and Net Revenue, Working Charges, and Percentages of the same to Gross Revenue, &c., on the Victorian Railways, for Seven and a half Years, from 1st July 1871 to 31st December 1878. -----

. .

	f Year.		Constr	uction.	.]	Rollin	og-sto	ock.		Tonnage	14, 14 71, 14 14, 14 14, 14 14 14 14 14 14 14 14 14 14 14 14 14 1	Gross Red	eipts.		· · ·	•	Mainter	nance.	Locom	otive:	Trafi	le.	Gener	ral.	"Tot	al Wor	king Cos	t.	• 1	let Earr	ings.	•
Year.	Miles open at end of	ge Miles opt	Capital Cost, exclusive of Stores in hand, &c.	Averag Cost per Mile open.	ہ Passenger Engines.	-Goods'Engines: L'	Carriages.	Wagonis, Vans, &c.	Number of Passen- gers con- veyed.	of Goods and Live Stock con- veyed.	From Passen- ger, &c., Traffici	From Goods_ and Live Stock. Traffic.	Total.	Per Average Mile. open.	Tõtal Train Miles run.	Gross Receipts per Train Mile.	Amount	Per Cent. of Gross Receipts.	Amount	Per Cent. of Gross Receipts:	Amount	Per Cent. of Gross Receipts.	Amount	Per Cent. of Gross Receipts.	Amount	Per Cent. of Gross Receipts.	Per Train Mile.	Per Average Mile open.	Amount	Per Average Mile open.	Per Train Mile.	Per Cent? on ' ' ' Capital Cost.
1871-2	313	267	£ 10,034,772	£ 32,060	51	41	'144	1,564	1,508,671	489,126	£ 236,671		£ 617.612	£: 2.288	1,173,434	s. d.	. £ 69,180	10.85	£ 85,739	13.45	£ 110,843	17.38	£ 14,042	2.20	£ 279,804	41.88	s. d.	£ 1,048	£ 357,828	£ 1,340	s. d. 6/1.18	3.57
1872-3	360			1 .			1	1,644	1,720,815		260,756				1,354,131		72,083	10.25	97,822		132,594	18.84	18,792	2.67	321,291		4/8.94	959	382,437		5/7.78	3'54
1873-4	441	414	11,557,484	26,207	52	54	.160	1,772		681,710	304,073	-546,969			1,667,124	10/2.52	74,999	8.81	121,878		161,245	18.95	16,593	1'95.	374,715		4/5.94	905	1	1,150	5/8-57	4'12
1874-5	\$86	1					-	2,002		732,772		569,591			2,051,710			14:18	148,999		182,042	19.79	20,241	2.20	1	-	4/8.35	890	438,290	810	4/3.27	3.23
1875-6	1	608			1 7		£	2,129		928,300		606,539		-	2,280,092	F	1	12:94	153,617	-	196,195	19.72	20,916	2.10	499,407	1 -	4/4.57	821	495,360	815	4/4.14	3'74
† 1876 1877	1.1	652 787				1 -	1	2,194	1,582,057		•		\$51,961 1,135,799		1,262,782		54,430 166,581	9.86	^{-81,206} 181,078		107,828	19*54 20*26	9,939	1.80.	253,403. 592,481	1	4/0'10	389	298,557 543,318	459 690	4/8·74 3/10·79	4.36
1878		967		1 2.4	1.1	1 7		2,713		1,030,558 960,479	N# -	1	1,216,675		* *		1 1-		204,806	1	1	20 20	14,697 [·] 16,964	1°29. 1.40	625,699	-		753	590,976	611	3/9.82	3.85
Totals		· · · · · ·	101,675,789		-!	· · ·												-							3:428,517			6,412	3,583,093	7.017	38/6.29	
			12,709,474		61	57	187	2,049	2,633,759	785,024	362,997	- 571,885	934,881	1791	2,089,526	; 9/2*86	113,573	11.79	143,353	12.10	182,585	19.36	17,625						477,740		4/9'79	
			t	Six mor	ths or	ıly.		1	, ., .,	<u></u> 1:	<u> </u>	<u> </u>		1 *	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		<u> </u>	<u> </u>	· · · · · · · · · · · · · · · · · · ·	,	 	cluding	repairs a	nđ rene	ewals of c	arriage	s and was	gons.	*			
m	Ŧ						~ ~		٠,	-	7 14 1. 1			-					÷		 	-4						more	~	a		
Kailwa	y L	_	rtment,			nt's	Qff	ice,	5		3.5			÷.,	•	·		:	<u></u>						-				CHE,		-	
		20	oth Mar	ch 187	'9.		\$?		٤.,	Ŕ	dos:	4 de 1		æ		- F	-		1 3		·* ,	~ ~	• •		[÷] GE(Э. Т.	. A. I	AVA	ATER,	Acc	ountar	it.
				· .			•			ĩ,	, n = ,	4. H		1	·	:					-		• •		-			•				
										- -		i)		*	÷	:		بد						3			·					
				-				I				1		1.:	•.	. 7			. •													
				• ,			;	-`									· · -	£				λų.	, .					;				
							i	•			÷						- , <u>x</u>		ĩ													

47

No. 20.

STATEMENT showing the Cost of Construction at 31st December 1878 of each Line, and Average Cost per Mile; also Highest and Lowest Levels, Steepest Gradients, &c.

	Length in	Single or - Double	Heigh Rail-leve Low-wate Hobson	el above er Mark,	Steepest Gradient.	Cost, exclusive o	f Rollingstock.
4	Miles.	Line.	Highest.	Lowest.	Gradient.	Total.	Average per Mile.
Northern System.			Feet.	Feet.	Feet.	£	£
Main Line-Melbourne to Sandhurst (including Mel-	1003	Double	1,902	17	1 in 50	5,014,418	49,771
bourne terminus) Echuca Line—Sandhurst to Echuca Wharf	554	Single	753	320	1,,90	602,94.5	10,913
Castlemaine and Dunolly Line	471	,,	949	580	1,,40	282,055	5,938
Ballarat and Maryborough Line	421	13	1,525	732	1,,40	251,910	5,927
Maryborough and Avoca Line	15 ⁻	,,	883	721	I "40	60,132	4,009
Sandhurst and Inglewood Line	30	•,	778	442	1 ,, 43	152,052	5,068
Dunolly and St. Arnaud Line	33	<u>,</u> >>	945	611	I " 50	108,035	3,274
Total open for traffic	324	1 * 1				6,471,547	19,974
			1				
Western System.			· ·				
Williamstown LineFootscray Junction to Williams- town Pier	6	Double	66	12	1 in 100	405,636	67,606
Geelong Line — Williamstown Junction to Geelong Pier	{ I분 37支	Single	113	12	1,, 81	1,050,737	26,942
Ballarat Line-West Geelong to Ballarat	531	Double	1,725	47	1°,, 52	1,717,882	32,110
Ballarat and Ararat Line	57	Single	1,517	960	1 " 44	310,064	5,440
Ararat and Stawell Line	183	,,,	1,086	759	1,, 50	110,093	5,872
Ararat and Hamilton Line	66 <u>1</u>	"	1,028	572	1,, 50	298,764	4,493
Geelong and Colac Line, including Racecourse branch	52 ±	"	465	17,	1 " 50	310,814	5,920
			_		I "50		
Portland and Hamilton Line-Hamilton to Portland Wharf	54	"	605	11	wharf line	260,107	4,817
				(1,,40)	х
Stawell and Horsham Line *	351	"	759	423	1 in 50	132,610	3,735
Total opened for traffic	382 <u>8</u>	•••	••••		•••	4,596,707	12,010
North-Eastern System.							
Essendon Junction to Essendon and Racecourse branch	{ 2}	Double	} 148	14	1 in 67	76,649	16,137
N. D. D. Low The Berry Jon to We Jeway	24 1824	Single) 1,148	105	I,, 50	1,556,485	8,540
Wangaratta and Beechworth Line	23)) 	1,148	502	I ,, 30 I ,, 30	1,53,730	6,684
Total opened for traffic	210			•••••		1,786,864	8,509
	i						
EASTERN SYSTEM.							
Gippsland Line	1184	Single	513	32	1 in 50	697,547	5,899

* Eighteen miles more of this line to open at 31st December 1878.

Railway Department, Accountant's Office, 20th March 1879.

P. P. LABERTOUCHE, Secretary. GEO. T. A. LAVATER, Accountant.

No. 21.

TURN of the Number and Nature of the Accidents to Life and Limb which have occurred on each of the several Lines of Victorian Railways from 1st January to 31st December 1878.

	1	1		*		1							,							
		Passengers Killed or Injured.			jured.	d. Servants of Department or of Contractors Killed or Injured.				Persons Killed			Trespassers.			•				
Date of Accident.	Liue of Railway.	beyond	n causes l their own entrol.	miscor	heir own nduct or f caution.	beyond t	causes heir own trol.	From th miscon want of	duct or	cro	ssing ssings.	Tresp	assers.	Aliscell	laneous,	Nature and Cause of Accident.				
1878.		Killed.	. Injured	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured,	Killed.	Injured.	Killed.	Injured.					
January	Geelong Station		3				1	,								Collision between pilot-engine and 7 p.m. mail train from Melbourne.				
January	Ballarat Station						·	I				•••				Fuelman caught between the buffers of two engines.				
January	Gippsland							T	•••	•••						Contractor's gatekeeper at Dandenong run over by ballast engine when				
January	Williamstown				I											he was running to open his gates.				
January	North-Eastern							I			•••	••••		••••		Little girl fell out of the train and the train passed over her foot.				
January	Melbourne Yard						 I		•••	•••	•••	•••	•••			Gatekeeper killed by a train in shunting while attempting to open his gates.				
March	Portland and Hamilton									•••	•••	•••	•••			Carpenter thrown off trucks which were being shunted.				
March	Williamstown								•••	•••		•••	•••	1		Man killed in attempting to jump on to a train in passing Heywood station.				
March	Ballarat and Ararat		•••	•••				•••	I	•••		•••	•••			Pointsman knocked down by a train while crossing the line.				
March	Williamstown					····	I	•••	•••		•••	••••	•••			Guard injured in discharging and re-loading a horse-box at Buangor.				
		•••			I		•••	•••		•••	•••			•••		Boy slightly bruised through falling between couplings of American carriages in attempting to alight before train had stopped.				
	Main Line Geelong and Colac	•••						•••		•••					1	Man fell into ashpit at Sunbury and broke his collar bone.				
March	Melbourne Goods Shed						•••	•••	I		***				•••	Porter injured his hand when coupling up at Colac.				
	NT	•••						•••	I					•••		Employé broke a rib in unloading grain.				
	Williamstown		•••		•••			•••		•••		I				Man committed suicide by allowing train to run over him.				
	Sandhurst & Inglewood		•••		1		•••				•••					Lad injured through jumping out of a train while in motion. Man knocked down by special train while trespassing on the line.				
	Melbourne & Geelong		•••							•••			I			Man knocked down by special train while trespassing on the line.				
	Castlemaine Station	••••	• •••				r		•••	•••		•••				Porter had one of his ribs broken through door of truck falling open while				
June	Ballarat & Maryborough	•••	•••			•••	I	•••		•••						Cleaner injured through lamp falling on bim. [he was covering it.				
June	337/11/	• • •							•••		•••	I			•••	Man run over by train while trespassing on the line.				
	Manuella Transformer				•••	•••	•••	•••		I		•••			•••	Man run over by train while crossing the line at Footscray.				
Jnne	Month Western					•••		•••	•••			I	•••			Man killed in crossing the line at Seymour.				
June	35.11								I	••••		•••				Watchman crushed between trucks at Benalla when assisting to shunt.				
	America Oderation					•••		•••		•••		I	•••	•••	•••	Lad crushed between trucks in crossing the line.				
July	Ballarat Station	• • • •					I	•••	•••	•••				•••		Guard injured his hand in assisting to turn an engine.				
	North-Eastern				••••		•••		•••			I		·^·		Lad killed in attempting to jump on to buffer of a truck being shunted.				
	Geelong and Colac	•••			••••			I	•••	•••					 I	Gatekeeper killed by train while opening gate.				
3	a construction of the second s								•••	••••		•••			1	Womanrelative of gangerinjured in attempting to save a child which had been left in a trolly on the line.				
August	Melbourne Yard		9													Collision on 28th Aug., between Williamstown train and some goods trucks				
October	Geelong Station							п				•••				Workman killed through falling with a hod of mortar.				
October	Williamstown								Т							Guard injured through pilot-engine coming into collision with some				
November									•				1	•••		trucks at Williamstown junction.				
	Main Line Stawell and Horsham									I		•••				Man killed at Kyneton, by special train, when crossing the line. Contractor's workman killed by some trucks, at Gravel Pits, Glenorchy.				
December	Stawell and Horsham						•••	I	•••							Contractor's work man killed by some trucks, at Gravel Pits, Glenorchy.				
December	Stawen and Horsham Sandhurst Station		***				•••	I,	•••							Contractor's workman killed by contractor's engine.				
								•••		• • •		•••		•••	I	Lessee of Sandhurst refreshment rooms fell down one of the coal-bays at Sandhurst and fractured his skull.				
December	Sandhurst Station		•••					•••				I				Man killed at Sandhurst station by a truck while trespassing.				
December	Melbourne Yard		10						••			•••		•••		Collision between Essendon train and pilot-engine, on 24th December.				
.	Totals		22		3		6	7	5	2		6	I	I	3					

Railway Department, Accountant's Office, 20th March 1879.

.

P. P. LABERTOUCHE, Secretary. GEO. T. A. LAVATER, Accountant.

49

RETURN of Accidents and Injuries to Life and Limb, from the Opening of the Lines for Traffic to 31st December 1878.

No. 22.

	Passe	ngers Kil	led or In	juređ.		ts of the I actors Kil				s Killed Jured						
	beyond t	causes heir own trol.	miscon	caution.		causes heir own trol.	miscon	beir own duct or caution.	whilst	crossing ossings.	Tres	assers.	Miscel	laneous.	Т	otal.
	Killed.	Injured.	Killed.	Injurëd.	Killed.	Injured.	, Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.
1859 1860	•••	 1	· ···	· •	I		2	`			3				6	 2
1861	• •••		;	· · · · · ·	. .		3.	2.							3	2
1862	•••	19	· ·*•	ji 4 4 4 - 1		I	4	8.	1	1.	T	I	***	I	6	31
1863	•••	2	•••	;- I	I	••• *	5.	5	•••		3	2			9	10
1864		•••	••••	; ••• <u>.</u>			· I.	. 7	•••		••••	, I		I	· I	9
1865	•••	•••	••••	· •••		·	I	. "18	•••		4	- 7 1			5	19
1866	•••				, I	1 .	`2,	•••	*		I	- 1	•••		4	2
1867	•••		••••j•		•••	-3	. 1	5	••••			3 I	•••		12	9
1868		•••			, ••••		2		***		Ĩ		 I			•••
1869 1870			۱				' ' 2 ' I				T	•••	-		4	
1871						4	2	 T			2	 T	2	···· 1	ő	4
1872	••••	28.		. 2		I	·	I			3				3	32
1873								ī		· ·]						I
1873 1874			*** **		4 -			I.	T		4 -		1		10	I
1875	••• t					6	. 6	I			4	I	I		11	8
1876		I		I I	3.	4	.10	15	` 'Z		6	5	2	I	23	_ 27
1877		36	I -		3	36	10	5		I	8	2	•••	2	22	49
1878	••• [•] :	22		. 3.		6	. 7	5	2	•••	6	I	· 1	3	16	40
Total	"••••	109	1-	8.	- 13 .	29.	- 57	75	6	z	49	17	8	9	134	249

Railway Department, Accountant's Office, ... 20th March 1879.

3.

2;

ā.

-i .

P. P. LABERTOUCHE, Secretary, GEO. T. A. LAVATER, Accountant.

З		·· ·									
	•	•		· · · ·	1	: :	:	: •			
	. ·	r i		ł _ ·		··· •		·:	, 1		
	:	;									
							•			4	
	:			·							
										•	
	÷	: .		• • • •		• • • • • • •		• •		, , ,	
				· · · · · · · · · · · · · · · · · · ·		• • •			;		
				* •	÷ .						+
				aff) une a a		,					
	1	• •	: :	. :		. :			*		
		,	**			-				1 1 1	
ì	:	- -	ŧ				•	۰.	!	•	13
• •	••		•								

•			*,. •	· · · ·	֥`
÷	:	:		· · · · · · · · · · · · · · · · · · ·	• `
14 130 7	1.	, .	· ·		

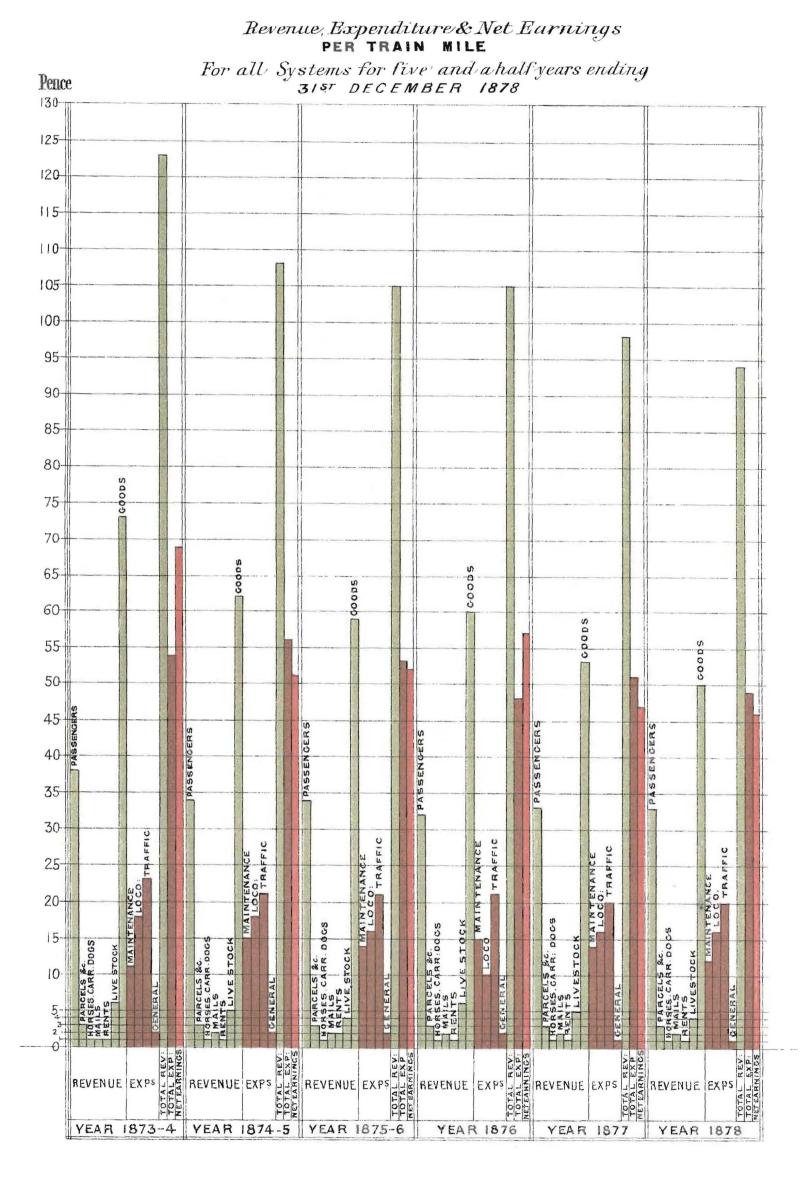
i = 1÷.

÷ ...· ·

By Authority: JOHN FERRES, Government Printer, Melbourne.

Revenue, Expenditure & Net Earnings upon each system FOR THE YEAR ENDING 31.ST DECEMBER, 1878

000	H	eve.	nue	3		xpe	ndi	tu	re	I	let	Ea	rnn	ngs	
000										 					
000										 					
000	The second														
000	n orașe									 					
						÷				 					
	_ <u>3.1</u>				-					 					
					-										
000															
000	-									 				-	
	10-2-2-2	-			_					 					-
000	E.C.				-										
			_							 					
					-										
000	Constanting of the second														
0000	-									 					
	-	ALC: NO								 					
000		1			-										
000					1				_	 _					
000		-													
					-					 					
000		ANT OF						200		 					·
0000										 					
		1													
000															
00G	<u></u>									 					
	-				1					 					
()))	-		The state of the							-	1				
0000										 					
	1000									 		-			
000						F									
5000	-		1		-					 	17th I				
		-	7.0.0			The second				 					
000			The Carl							 					
						1 hour				 					
000		Contraction of the second				8				 					
0000							-			 	-				
			115574			CONT.				 					
000							-								
000										 					
5000							L. C.			 				_	
	-	North Control								 			· · · · · · · · · · · · · · · · · · ·		
										 	10				
		12531					-								
000					1					 					
0000		and the second				1	-			 					
5000							1000			 					
	1235														
0000	1		-			-				 			-		
					_		19.00	-			-				
						1 25 1									
000		100 - 20) 100 - 200	LISS.			1000				 	-				
5000	and						in the second			 					
			2.3.7					1		 	Cont on the local day				
	- Herita						the state	-		 	-				
						SPRE	- 4- 4	2.2		 					1
		200	1. U.S.			Tel -	1							-	
	10 AV 10	1 - Barris					-			 					
	NE	2	X			2.		2.	-		2.	2.	NG.	>.	
	NORTHERN SVSTEM	WESTERN SYSTEM	N.EASTERN SYSTEM	EASTERN SYSTEM		NURTHERN SYSTEM	WESTERN SYSTEM	N. EASTERN SYSTEM	EASTERN SYSTEM		NORTHERN SYSTEM	WESTERN SYSTEM	N.EASTERN SYSTEM	EASTERN SYSTEM	
	VORTHEN SVSTEM	WESTERI SYSTEM	N.EASTER SYSTEM	STE		VURTHER SYSTEM	VESTERN SYSTEM	SYSTEM	STE ST		ST	STE STE	SAS	STI ST	
	SV	WE	V.E.	SYS		NU, SY	VE	ST	SY		NON	VEST	SY	SY	
MILES OP R THE YE			and the second second	113			3474	210	113		2953	347	210	113	TOTAL
	AHL	ALE				TOTA	4	1			-4	ALE			MILLES



£ 2056 [FOR A	EXCLO	US1	VE OF T	THE SIX	MONTH	S ENDIN	1G 3/ ST	DECRIE	C.R. 1878 376)	x الا	
2000												
1950	~											
1900												
1850												
1800		3										-
1750			-									
1700												
1650												
1600												
1550												
1500					1							5
1450-			1				1					
1400			1									
1350												
1300		2										
1250	50005	2										
1200												
					3.							
1150												
1100				L.	n				1			
1050						u u	7		-			
1000						0003					10	
950						Ī						
900												
850-								000				
800	v.											
750	ICERS	-						1		د م م ه د م		
700	PASSEN			S		io.				3		
	Pa			PASSENGERS		PASSENGERS		st				
600				SSA		S S S S S S S S S S S S S S S S S S S		PASSEN CERS		4s		
550		-		1		¥d		ISSE		INCE		
500		21=								PASENCERS SENCERS		
450		TRAFFIC			U L		2					
400					TRAFFIC		NCE TRAFFIC		FIC			
350		MAINTENANCE			MAINTENANCE LOCOTRAF		MAINTENANCE LOCD. TRA		MAINT ENANCE LOCO TRAFFIC	CE	TRAFFIC	
300		ENAN			AI N		LOCI		1NT	R. DOCS CK M NTFNANCF	TR	
250	Z 008	LNI		Z DOC		pocs	MA	s	MA	C C C	LO LO	
200	LS &C. CARR. DOGS	W		ARR D		ARR.D		P DOC		RR. DOCS		
150	CELS S.CAP	AL		ELS 8	TAL	ELS S	(VF	ELS 2 CARR		H O		I.a.
100	PARCEL HORSES.(MAILS ENTS L VE	GENERAL		ARGE RSEC	ENE	ARCI RSES ILS	CENERAL	ARC SES. ILS	CENERA	ARCE ISES ITS LIVE	IER.	
40 <u>50</u> 20 <u>30</u> 10		and the local heat	100	PARCELS &C. PARCELS &C. PARCELS &CARR. D PARCELS CARR. D PARCELS &C.	CENERAL	PARCELS &C. HDRSES.CARR. MALS RENTS LIVE STOC	ů.	PARCELS &C PORSES CARR. DOCS MAILS RENTS	CEN	PARCELS ILLOR SES. C MAILS MAILS LIVE-S	GENERAL	
- ¹⁰ O			TOTAL REV- TOTAL EXP. NET EARNINGS		EXbs Total Rev Total Rev Stannung		TOTAL REV Net TARNING		REV. EXP:		TOTAL EXP	
	REVENUE	EXPS	L R	REVENUE	EXPS	REVENUE	EXPS	REVENUE	EXbs ALL R	REVENUE	ALL R	
			TOTA FT EL		TOT		TOTA OTA		TOTAL REV. TOTAL REV. NET EARNINGS		TOTA ET EA	
	YEAR	873	- 4	YEAR	1874-5		875-6	YEAR		YEAR		

Revenue, Expenditure & Net Earnings per average mile open FOR ALL SYSTEMS FOR FIVE YEARS ENDING 31ST DEC. 1878 (EXCLUSIVE OF THE SIX MONTHS ENDING 31ST DEC. 8 1876)

THE FOUR RAILWAY SYSTEMS AT 31ST DECEMBER 1878

