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ANNUAL REPORT

OF THE



DIMENDATE COLD.

Pennsylvania Railroad Co.

TO THE

STOCKHOLDERS,

February 15, 1870.

PHILADELPHIA:

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DIRECTORS

Pennsylvania Kailroad Company,

YEARS 1870 & 1871.

BY THE STOCKHOLDERS.

J. EDGAR THOMSON, SAMUEL T. BODINE,
JOSIAH BACON, JOSEPH B. MYERS,
WISTAR MORRIS, EDWARD C. KNIGHT,
WASHINGTON BUTCHER, JOHN M. KENNEDY, GEORGE BLACK, PITTSBURGH, JOHN RICE.

BY THE CITY OF PHILADELPHIA.

WILLIAM ANSPACH. G. MORRISON COATES. LEWIS ELKIN.

BY THE BOARD.

EDMUND SMITH.

THOMAS A. SCOTT, HERMAN J. LOMBAERT, GEORGE B. ROBERTS.

PRESIDENT.

J. EDGAR THOMSON.

VICE PRESIDENTS.

THOMAS A. SCOTT, H. J. LOMBAERT, EDMUND SMITH, GEO. B. ROBERTS.

TRESSURER.

THOMAS T. FIRTH.

SECRETARY.

JOSEPH LESLEY.

ANNUAL MEETING.

Philadelphia, February 15th, 1870.

THE Annual Meeting of the Stockholders of the Pennsylvania Railroad Company was held at 10 o'clock, A. M., at the Assembly Buildings.

The Hon. Daniel M. Fox, Mayor of Philadelphia, was called to the Chair, and Joseph Lesley appointed Secretary.

The Annual Report of the Board of Directors for the year 1869 was read.

On motion of A. J. Derbyshire, Esq., it was

Resolved, That the Report of the Board of Directors for the year 1869 be and the same is hereby accepted by the Stockholders, and that, as usual, it be published in pamphlet form for their information.

The following resolution was submitted by Solomon W. Roberts, Esq., and unanimously adopted:

Resolved, That the thanks of the Stockholders of this Company are hereby cordially extended to the Board of Director of the Company; also, to its President, J. Edgar Thomson, Esq.; to each of the Vice-Presidents; to the Heads of the several Departments, and to all their subordinates, for the integrity, ability and great success with which they have conducted the business of the Company during the past year.

The meeting then adjourned.

DANIEL M. FOX,

Chairman.

Joseph Lesley,
Secretary.

TWENTY-THIRD ANNUAL REPORT.

Office of the Pennsylvania Railroad Company,

Philadelphia, February 12, 1870.

To the Shareholders of the

Pennsylvania Railroad Company:

Your Directors take pleasure in submitting to you the satisfactory results of the operation of your railways for the year 1869, as follows:

EARNINGS.

From	Passengers,	-	-	•	\$3,500,071	06
44	Emigrant Passengers,	•	•	-	131,065	93
44	Mails,	•	-	-	118,961	91
44	Express Matter, -	-	-	-	302,654	54
"	General Freights,	-	-	-	12,932,656	88
"	Miscellaneous sources	,	-	-	265,401	41
				-		\$17,250,811 73

Amount brought forward

\$17 950 811 73

- \$17,314 42

Amo	unt bro	ught	iorw	ard,	-	-	\$17,250,811 73
	EX	PEI	NSE	s.			
For Conducting Transpo	ortation	, -	-	\$3,5	03,792	57	
" Motive Power,		-	-	3,6	79,195	15	•
" Maintenance of Car	rs, -	-	-	1,4	64,859	22	1
" Maintenance of Ros	ad, -	-	-	3,3	41,568	10	
" General Expenses,	-	-	-	2	13,852		
			-				\$12,203 267 60
Leaving net earnings for	1869 of	-	-	-	-	-	\$ 5,047,544 13
The total amount of	f rever	ıues	com	pare	d with	ı la	st year is:
1869,	· -	-	-	-	-	-	\$17,250,811 73
1868,	-	-	-	-	-	-	17,233,497 31
Incre	ase,	-	-	-	-	• •	\$17,314 42
			•			•	
The changes in the	source	s of	reve	enue	are sl	o	vn below:
Increase in Regular Frei	ghts,	-	-	-	\$50,49	1	58 ·
" Emigrants, -	-	-	-	-	52,82	21 (64
" Mails,	-	-	-	-	18,98	30 (36
" Express Matt	er, -	-	-	-	10,77	73	33
							- \$133,067 21
Decrease in First Class P	_		-	-	\$31,83		
" Miscellaneou	s Bource	28,	-	-	83,91	19	91 — 115,752 79

The apparent decrease in First Class Passengers, shown above, is explained by the circumstance that there is included in the earnings of 1868 for military transportation due in previous years, \$113,433 \(\frac{20}{100} \), whilst the collections from the same source in 1869 were but \$5,655 \(\frac{60}{100} \). By adding this amount

Increase as above stated,

to the reported decrease, and deducting the sum from that received in 1868 (\$113,433₁₀₀), it will show an actual increase of First Class Passenger traffic in 1869 over 1868, of \$75,944₁₀₀.

The gross revenues for 1869 are equal to \$48,186 $_{100}^{62}$ per mile of the Main Line of railroad.

The whole number of passengers carried in 1868 was 3,747,178 and in 1869 4,229,363—an increase in the number carried of 482,185 or nearly 13 per cent. The average distance travelled by each passenger was 34_{100}^{22} miles, being 1_{100}^{22} miles than in 1868; showing this increase still to be mainly upon the local traffic of the line.

The number of tons of freight moved (including 410,966 tons of fuel and other materials transported for the Company) was 5,402,991—embracing 2,329,358 tons of coal. The whole tonnage of your railway exceeds that of last year 680,976 tons, of which increase 264,309 tons is bituminous coal.

The average charge per net ton per mile upon freights during the year was $1_{1000}^{7_{100}}$ against $1_{1000}^{9_{000}}$ cents last year and per passenger $2_{100}^{5_{100}}$ cents against $2_{100}^{7_{100}}$ cents last year, or an average decrease in freight charges of $9_{10}^{9_{100}}$ per cent. and in passenger charges of $7_{100}^{4_{1000}}$ per cent. per mile.

The earnings of the Philadelphia and Erie Railroad in 1869, were:

From	Passengers,	•	•	-	-	-	\$ 672,964 46
66	Freights, .	•	-	-	-	•	2,507,082 93
"	Express Matt	er,	-	-	-	-	31,327 51
**	Mails,		-	-	•	•	24,616 67
"	Miscellaneous	s sou	rces,		-	-	26,713 72

Total (exceeding \$11,000 per mile of road), - - \$3,262,705 29

Amount brow	ight :	forwa	ard, -	-	\$3,262,705 29
The operating expenses du	ring	the	same perio	od,	
were:					
For Conducting Transportation,	-	-	\$671,606	07	
" Motive Power,	-	-	749,641	82	
" Maintenance of Cars, -	-	•	213,546	07	
" Maintenance of Way, -	-		733,415	17	
			\$2,368,209	 13	
To which add 30 per cent. of e payable to the Philadelphia		_			
Railroad Company,	-	-	956,009	12	\$ 3,324,218 25
Showing a loss to this Company	in op	era-			40,021,210
ting the line under the lease	(in a	ddi-			
tion to interest upon the capital	inve	sted			
in rolling stock, &c.,) of -	•	-		-	\$61,512 96
which is \$21,661 69 less than in	1868.				

The low rates at which the Philadelphia and Erie Railroad Company is compelled to carry its freights—averaging but 1_{10}^{4} cents per ton per mile—and the small passenger business it can command from the sparsely populated country that its road traverses, added to its greater distances as a through line from eastern cities to all points in the West, are the reasons that more than 70 per cent. of its receipts are required to meet its working expenses. The operations of this railway during the past year have been carefully and economically conducted by A. L. Tyler, Esq., its General Superintendent.

In this connection, it may be stated that, owing to some errors in its 'cation, but mainly from financial sacrifices incurred during its construction, this railway, with a single track of only 288 miles in length, laid with lighter iron rails

and but partially ballasted, cost the Philadelphia and Erie Company, without any equipment, \$19,759,171 92. While the Pennsylvania Railroad, passing over a much more expensive country to build a railway upon, with a double track of 358 miles, laid with heavy iron, well ballasted, including a third or single track of 29 miles between Lancaster and Middletown and branches to Hollidaysburg and Indiana of 26 miles; in all equal to 771 miles of single railway, exclusive of sidings, is represented by \$21,346,024 56, a difference of less than \$1,600,000 upon the cost of over 265 per cent. more of single track railway.

These facts are referred to at this time only to show why it is that the shareholders of one of these lines have received regular dividends, while the other has been unable to earn them.

The earnings of the Pittsburgh, Fort Wayne and Chicago Railway, under its lease to this Company, for the six months ending December 31, 1869, were,

31, 1869, were,

- - - - - - - \$4,146,882 22

And the expenses during the same period were,

Balance,

- - - - - - - \$1,320,786 30

The semi-annual rent, with the interest on the bonds of the Company, expenses of maintaining the organization, contribution to sinking fund, &c., &c., amounted to

1,283,991 87

The revenues of the lines operated by this Company and the amounts paid for their working expenses, interest and dividends are as follows:

Showing a profit in its operation under the lease of

From the Pennsylvania Railroad and Branches, - - \$17,250,811 73 From the Pittsburgh, Fort Wayne and Chicago Railway,

for six months, ending December 31, 1869, - 4,146,882 22

From the Philadelphia and Eric Railroad, - - 3,262,705 29

Amount, - - - - - \$24,660,399 24

\$36,794 43

Amount brought forward,	\$24,660,399	24
And the expenses of operating these lines were:	•	
Pennsylvania Railroad, \$12,203,267 60		
Pittsburgh, Fort Wayne and Chicago Railway, including rent, &c., 4,110,087 79		
Philadelphia and Eric Railroad, including		
30 per cent. due that company, - 3,324,218 25		
Total,	19,637,573	64
Leaving the net profits from the three		
railways for 1869,	5,022,825	60
From which deduct dividends declared in		
May and November, each 5 per cent.		
with the taxes thereon, \$3,075,643 24		
Balance to debit of interest account and		
discount on bonds, 888,375 10		
Due for the lease of the Harrisburg and		
Lancaster Railroad, 135,274 18		
Annual payment to the State of Pennsyl-	•	
vania on account of interest and prin-		
pal due upon the purchase of her works		
between Pittsburgh and Philadelphia, 460,000 00	4,559,292	52
Leaving a balance of	\$ 463,533 (08

In our last annual report the Board referred in detail to the railway companies controlled through the ownership of a majority of their shares, and it is unnecessary to again mention them further, than to say that they continue to fulfil the objects this Company had in view when this interest was acquired, while they yield a reasonable profit upon the capital invested.

The working expenses of the other lines of railway leased by this Company, not already referred to—all of which are in Pennsylvania—show a balance of receipts over expenses.

The interest held by this Company in the Pennsylvania Canal Company is steadily improving in value, and when its enlargement is completed, it will become a profitable addition to your investments in other works. Its cost now stands upon your books at \$1,101,156.

The coal traffic of this Company is gradually assuming large proportions, and already gives to your railway a constant business at rates that yield a very small profit per ton, but on the amount transported (2,329,358 tons) the net revenue from it is of considerable importance.

Upon the Philadelphia and Erie portion of the Company's lines this traffic is chiefly made up from the transportation of anthracite coal to supply the demands of the oil and lake regions, and amounted in 1869 to 138,138 tons, exclusive of 167,383 tons that were sent to Western New York via Elmira. Its bituminous coal-fields are too far from the lakes to compete upon equal terms with those of Ohio and Western Pennsylvania in the markets of the West. A portion of the bituminous coal-fields upon this railway—east of the tributaries of the Ohio-are favorably situated for the Atlantic markets, but they have not yet been developed to any material extent. demand for bituminous coal of the Allegheny region in the Eastern markets has been confined, until recently, to blacksmiths, but the high price that has prevailed for some years for anthracite coal has caused the bituminous variety to be introduced to a considerable extent for producing steam and for the manufacture of iron. From the limited extent of the

anthracite fields, and the greater cost of mining this variety, it is reasonable to infer that the consumption of the bituminous coals will continue to increase on the sea-board.

Upon the main line of your railway and its branches the movement of anthracite coal is yet inconsiderable, whilst the transportation of the bituminous has been large for the manufacture of gas for eastern cities and the other purposes already mentioned. This material exists in inexhaustible quantities along the whole line of your railway from the summit of the Allegheny to its western terminus, and in the Broad Top mountain (already extensively developed) south of Hunting-A branch from the main line at Tyrone to the town of Clearfield cuts the Allegheny coal-field, and upon this, mining is now carried on to a large extent, whilst another branch also extends from the same point to Lock Haven on the Susquehanna river. From Altoona a branch extends to Hollidaysburg and Newry, a distance of 9 miles. The last two mentioned, in connection with a portion of the main line, traverse the valley at the base of the Allegheny mountains for seventy miles, commencing on the west branch of the Susquehanna river, and afford ample opportunities to develop this whole region by short branch lines into the coal-fields at their summit wherever desired. In this valley and in the mountains and valleys that lie on its eastern border there is an abundance of ore easily mined and of a quality that will make the best quality of iron, already celebrated for its strength, and found to be superior to any other in the manufacture of cannon. The proximity of these ores to coal and limestone, gives to this region advantages for the manufacture of iron in all its varieties and uses, a claim equal if not superior to that of any

other—which advantages will doubtless be improved by capitalists—and thus largely increase the population upon your line, and its local traffic, the most reliable business of your road. Your railway is not now dependent upon its through traffic for its dividends, although this item is important and necessary to the interests which brought it into existence.

The original policy of this Company was to reach the traffic of the North-west, West and South-west, by assisting the construction of tributary lines leading to the markets of these sections, but not to control their management beyond the State of Pennsylvania. With this object in view, it gave to the Pittsburgh, Fort Wayne and Chicago Railway Company at several periods of its extremest need large advances to complete its line and preserve its property to its shareholders, under written pledges that its eastward business should follow the direction which prompted and justified this Company in granting the assistance so earnestly solicited. Under the conviction that this agreement was ample it was not believed that further protection to your interests in the North-west was either desirable or important. The rapid growth of this section of the country, however, placed that Company in a few years after its completion in a condition of great prosperity. then, unmindful of its former obligations, endeavored to seek other eastern connections that it could control, though this Company at all times gave to its business all that it asked the same rates per mile that it charged upon its own line, upon both passengers and freight. Extensive surveys were accordingly made of the regions east of Pittsburgh by that Company, to find a suitable line for its object, which was followed by material pecuniary advances to a Railway Company whose road

it was proposed to use as a part of this rival route to the East; but during the progress of these movements an effort was inagurated by the Erie Railway Board to absorb not only the Pittsburgh, Fort Wayne and Chicago line, but nearly all the western connections of the Pennsylvania Railroad Company, which only failed from a misapprehension of the terms of the law under which they proposed to accomplish their object, and subsequent adverse legislation procured by the President of the Fort Wayne Company.

In view of these extraordinary movements, it became evident to your Board, that this Company must depart from the policy that had heretofore governed it, and obtain direct control of its western connections. Negotiations were accordingly opened with the Directors of the Pittsburgh, Fort Wayne and Chicago Railway Company, who had also become apprehensive (under the vicious system that had been developed in New York, by which stock and bondholders of railways and their agents sold their proxies to vote at the elections of the Company without any regard to the interests involved in the issue), that their own work might fall into hands whose object would be to seriously impair the permanent interests of their constituents.

After a lengthened negotiation with the Directors of that Company, a lease was agreed upon, and this Company entered into possession of the Pittsburgh, Fort Wayne and Chicago Railway on the first of July last. The terms of this lease, which gave to the Shareholders 12 per cent. on their capital, were at the time, considered very onerous, and only justified by the circumstances already referred to. The results of its operation, however, for the first half year, notwithstanding a diminished revenue of \$304,595 90, compared with that of the

same months in 1868, have, through a vigorous retrenchment of expenses, left a net profit of \$36,794 43 over all outlays including the semi-annual contribution of \$52,050 to the Sinking Fund, established to purchase its first and second Mortgage Bonds.

For these favorable results the Company is much indebted to the energetic and economical administration of its affairs by J. N. McCullough, Esq., its General Manager.

The loss in the gross receipts of this railway occurs mainly at Chicago, and is, to a considerable extent due to the low rates upon west-bound traffic that prevailed from the beginning of the lease to near the close of the season. The low price of grain and the bad condition of the common roads leading to railway stations in the West, have been the chief causes of the falling off in the receipts of the line during the past few months. The business of this railway must, however, continue to increase with the advance in population and wealth of the section of country it accommodates, and we believe that its lease will prove a judicious operation for the Company.

The same reasons that induced this Company to become the lessee of the Fort Wayne line, prompted the Pittsburgh, Cincinnati and St. Louis Railway Company, in which this Company holds a majority of its shares, to take at an earlier period, a lease of the lines owned by the Columbus, Chicago and Indiana Central Railway Company. The results of this lease have not proved so satisfactory. The railway was found, contrary to expectations, to be, to a considerable extent, in an unfinished and dilapidated condition, deficient in depot accommodations, with a limited rolling-stock largely out of repair, and shops entirely inadequate to place this machinery in good order.

These deficiencies had to be supplied, and in the meantime its road and rolling-stock could only be placed in condition for economical service at great extra cost. Upon a representation of these facts to that Company, modifications in the lease have been made by it, which will, it is believed, render it acceptable to the lessees and to this Company, their largest shareholder.

These several arrangements still left our connections with Cincinnati the great trade centre of the South-west, incomplete, the business with which has been steadily increasing since the termination of the late war. To perfect these, the Pittsburgh, Cincinnati and St. Louis Railway Company has also agreed upon a lease with the Little Miami Railroad Company, of their line, through whose railroad our connection with Cincinnati will be made, thus enabling this Company to participate in the growing prosperity of that city.

The connections of your line with St. Louis, the great city of the Mississippi valley, are now complete by way of Crestline, and nearly so upon the shorter and more direct route through Columbus, Indianapolis, Terre Haute and Vandalia. With these arrangements, all of which will be perfected this year, we will limit our extensions, unless some overruling necessity should require us hereafter to go further. We have no interest in any line beyond the Mississippi river.

Unwilling as we have been to enter upon this policy, a careful review of the subject since its adoption, leaves no doubt as to its wisdom—under the circumstances that have been developed within the past eighteen months.

This Company has not attempted, neither does it propose to absorb the natural connections of either of the other trunk lines.

There is business sufficient to give to each of these Companies ample revenues to meet the interest upon any reasonable cost of their works, if equitable rates between the shipper and railway Company are at all times preserved, and without a resort by one line to take from another by reduced charges, business which it otherwise would have had an equal chance to secure at fair prices. Such attempts, though so often repeated, have at all times failed to secure the professed object in view. They have not infrequently been commenced to influence the market price of the shares of the Company, in disregard of its permanent interests, with a view to benefit the stock speculations of its Managers or their friends; and at other times from the recklessness of a sub-agent, which his superiors refuse to correct or to acknowledge, but more frequently with the unreasonable expectation of gaining some advantage over a rival interest.

There has been much complaint by the public in consequence of the higher charges per mile made by many railway companies for short than long distances. In this policy, to a limited degree, these companies for obvious reasons are fully justified, but in many cases the practice has been carried to an unwarrantable extent. The rule that has governed this Company, is not to charge to any intermediate point, a greater rate than is required to one at a longer distance. Under this rule, which we think entirely defensible, the average charges for the through and local business per ton per mile passing over your line, are nearly equal.

The Pennsylvania Railroad Company was organized mainly with a view to promote the commercial and manufacturing interests of the city of Philadelphia and the interior of the State, and its management has kept these objects steadily in

view, giving at all times to this city the differences in transportation to and from the West due to its geographical position. This policy has had a marked influence in developing the manufacturing industry of the city, but it seems only to have preserved its commercial interest from retrograding. view to sustain and promote this interest, every effort has been made by this Company to reduce the local expenses on produce at Philadelphia, that necessarily occur in its transfer at seaports, to a minimum; but the pecuniary and shipping facilities required to second these movements, and retain the business of the West at this city until forwarded to its destination appear to be deficient, and in consequence the larger share of it, notwithstanding these advantages, passes on to New York. Directors, recognizing the importance to the interests of this Company of building up the business of Philadelphia, will cheerfully unite in any reasonable plan by which this object can be secured.

In our last annual report the diversity of railway guages between the East and West was alluded to. Since that period all of your immediate Western connections have reduced the guages of their lines from 4 feet 10 inches to 4 feet 9½ inches, which, when their machinery is adapted to it, will be further reduced to 4 feet 9 inches—the *present* guage of the Pennsylvania Railroad.

Since your last meeting, the State of Pennsylvania has cancelled and disposed of its lien upon the Philadelphia and Erie Railroad to the Allegheny Valley Railroad Company, accepting therefor a second lien upon the line that that Company is building between the Philadelphia and Erie Railroad and its present road at the mouth of the Mahoning; the bonds given

to the State in exchange being guaranteed by the several rail-way Companies over whose lines the traffic of the new road is to pass to Philadelphia and Pittsburgh, thus insuring to the Commonwealth the ultimate payment of its original claim of three and a half millions of dollars and at the same time enabling the Allegheny Valley Railroad Company to develop, more promptly than it otherwise could have done, a section of the State that is rich in minerals and other products—all of which will remain undeveloped until this highway is constructed.

The final location of this line has not yet been completed, but the character of the country as shown by recent surveys, will render the construction of a railway over it costly. This route is generally known as the "Low Grade Line" between the East and the West, the construction of which will soon be required to accommodate the increasing tonnage between these sections. Its gradients against the heavy traffic may be confined within eleven feet per mile. About a half of a million of dollars have already been expended upon its graduation, and its total cost is estimated at about \$5,500,000.

The Directors take pleasure in again expressing the obligations of the Company to its General Superintendent, E. H. Williams, Esq., and his two assistants, John A. Wilson, Chief Engineer, and A. J. Cassatt, Superintendent of Motive Power, for their careful and judicious management of the interests committed to their charge.

Respectfully submitted.

By Order of the Board.

J. EDGAR THOMSON,

President.

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GENERAL ACCOUNT.

Dr.

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	188	36	<u>జ</u> 8	g	æ	3	88	79 74	22
	\$32,392,866 768,250 1,277,350	779,637	7.676,695	6,019,221	2,433,432	1,809,428	407,854	8,086,147 804,182 845,743	\$65,030.302 52
By Balance standing on books of the Company for the construction of the railway between Harrishurg and Pittsburgh, including branches to Indiana and Hollidaysburg (in all 276 miles); also for cost of stations, warehouses, alops and abop machinery on the whole road from Philadelphia to Pittsburgh. \$14,087,741 13 halance standing on books of the Company for the purchase of the Philadelphia and Columbia Rail Soft Company for the purchase of the Philadelphia and Columbia Rail 5,375,733 43 was made of the Philadelphia and Columbia Rail 5,375,734 43 consisting of 608 locomotives, 294 passenger care, consisting of 608 locomotives, 294 passenger care, care, and 1,084 road care. The care and 1,084 road care. The care and 1,084 road care. The care and 1,084 road care care, and 1,084 road care. The care of the Monogabela, and to the Delaware river, and the Monogabela, and to the Delaware river.	윤	Company, exclusive of 48,000 shares of preferred 8 per ct. stock in the subring fund. "Rock and bonds upon the line of railway between Pitteburgh and		Mount of bonds and stock of municipal and other rail road our portfolious	Out of to form and social mortgage bonds, and the bonds of the Harris- burg and Lancaster Rail Road Company	"Amount of fuel and materials on hand for regains to locomotives, carts, and maintenance of way, &c., on the Pennsylvania Rail Boad.		"Amount of bills and accounts receivable, and amount due from other rall roads." "Balance in hands of greats." "Balance in hands of treasurer."	
	584								22
\$33,408,112 23,964,911	6,573,323 1,000,000 998,955								\$65,030,302
To Capital Stock	unpaid « Contingent find " Balance								

E. & O. E.—Philadelphia, December 31, 1809.

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REPORT

OF THE

General Superintendent.

To the President and Directors of the

Maintenance of Way, -

Maintenance of Cars, -

Net Earnings,

General Expenses,

Office of the General Superintendent,

ALTOONA, Pa., Feb. 1, 1870.

Pennsylvania Railroad Company. GENTLEMEN:—I submit herewith the report of the operations of the Pennsylvania Railroad during the year 1869. The earnings have been-From transportation of freight and tolls on individual - \$12,932,656 88 First-class passengers, 3,500,071 06 131,065 93 Emigrant passengers, Adams Express Company, -302,654 54 Transportation of U.S. Mails, 118,961 91 Rents of property, 62,226 83 All other sources, 203,174 58 - \$17,250,811 73 Total, The expenses have been-Motive Power. \$3,679,195 15 Conducting Transportation, -3,503,792 57 3,341,568 10

1,464,859 22

213,852 56

\$12,203,267 60

\$5,047,544 13

The expenses compare with those for 1868, as follows:

	Motive Power.	Conducting Transportation.	Maintenance of Way.	Maintenance of Cars.	General Expenses.
1869.	\$3,679,195 15	\$3,503,792 57	\$8,341,568 10	\$1,464,859 22	\$ 213,852 56
1868.	3,361,694 42	8,609,233 18	8,268,896 46	1,442,785 90	178,428 92
Increase.	\$317,500 78		\$72,671 64	\$ 22,128 32	\$35,428 64
Decrease.		\$105,440 61			

Total increase of expenses, \$342,283 72.

PASSENGER BUSINESS.

The number of Passengers transported during the year, and the number of miles travelled, are shown in the following table:

	Number.	Miles Travelled.
First Class Passengers	3,131,476	127,284,786
Emigrant Passengers	28,756	9,797,838
Commutation Passengers	1,069,131	7,646,028
Total	4,229,363	144,728,652

COMPARED WITH 1868.

	1869.	1868.	Івстевае.	Percentage of Increase.
First Class Passengers	3,131,476	2,755,520	375,956	13 64
Emigrant Passengers	28,756	23,844	4,912	20 60
Commutation Passengers	1,069,131	967,814	101,317	1045
Total	4,229,363	3,747,178	482,185	•••••

A daily line of palace cars between Louisville and New York was established May 1st, by this route, and has been in operation since that date, running in connection with similar cars between Louisville and New Orleans; it forms a through line with but one change of cars between New Orleans and New York and Philadelphia. The addition of new lines of through cars to and from Chicago and Cincinnati, which has been effected during the past year, gives now six daily lines over the Pennsylvania Railroad, viz.: one between New York and Louisville, two between New York and Cincinnati, and three between New York and Chicago.

On the 29th of August an arrangement of through trains was made, with a view of shortening the time between New York, Philadelphia and Chicago, for the accommodation of the through travel. By dispensing with all unnecessary stops the time was reduced to twenty-nine and one-half hours from Chicago to New York, and twenty-seven and a half hours from Chicago to Philadelphia. Trains were run with satisfactory regularity on this time-table until the usual winter change was made, November 14th.

FREIGHT BUSINESS.

The freight traffic for the year has shown a gain at all points over that of 1868. During a portion of the summer and fall, reduced rates, brought about by a brisk competition of the several trunk lines, largely augmented the shipments of through freight by this road, but as such shipments were chiefly westward no difficulty was found in moving the traffic promptly.

From October 1st until November 4th, an extended strike prevailed among the miners in the Pittsburgh coal region, completely closing operations at those mines and suspending coal shipments from nearly all points on the Pittsburgh Division west of the Alleghenies. Despite this interruption, however, the coal tonnage for the year shows a gain of twelve per cent. as compared with that of 1868.

Attention is invited to the figures given below, as exhibiting the extent and character of the gain in the freight traffic. Whilst through freights have shown a marked and gratifying increase, it will be seen from the movement of loaded cars given in the table below, at Tyrone, Lock Haven, Blairsville Intersection and Allegheny City, at which points the traffic of the Tyrone Division and West Pennsylvania Railroad respectively is indicated, that the local business in those important branches is being rapidly developed.

During the year 1869 there were transported over the road:

Fuel and other materials for C	ompany	use,	410,966	tons.
Regular Freight,	•	-	4,992,025	"
Total for 1869,	_	_	5,402,991	"
" " 1868,	-	-	•	"
Increase,	-	-	680,976	"

Percentage of increase, 14_{100}^{42} .

Included in the regular freight there were moved:

Oil, Coal,	-	-	-	156,796 2,329,35 8	tons.
Total tons moved	one mi	le, 1869 1868	•	-	752,711,312 675,775,560
Increase) ,	-	-	•	76,935,752

Percentage of increase, 11_{100}^{88} .

The following table shows the total movement of loaded cars for the year, at different points of the road:

	Loaded Cars.	1869.	1868.	Increase.	Percentage.
West Philadelphia	Eastward Westward	149,522 60,096	189,574 55,448	9,948 4,648	7 12-100 8 88-100
Harrisburg	Hastward Westward	165,648 54,901	156,474 48,589	9,169 6,312	5 85-100 12 99-100
Marysville	Eastward	84,568 10,413	84,245 9,011	823 1,402	94-100 15 55-100
Huntingdon	Eastward Westward	85,651 8,008	30,584 5,475	5.067 2,583	16 56-100 46 26-100
Tyrone	Eastward	33,822 4,225	24,190 3,807	9,632 918	89 81-100 27 75-100
Lock Haven	Deliv'd P. & E. R. R Rec'd from " "	4,905 1,730	3,841 1,492	1,064 238	27 70-100 15 95-100
Altoona	Eastward	153,202 67,139	143,975 57,216	9,227 9,923	6 40-100 17 84-100
Blairsville	Eastward	20,911 7,178	20,727 5,888	184 1,290	88-100 21 90-100
East Liberty	Eastward	22,441	19,993	2,448	12 24-100
Pittsburgh	Eastward	62,881 112,190	55,196 99,863	7,685 12,327	13 92-100 12 34-100
Allegheny	Eastward Westward	5,438 6,162	4,245 5,472	1,193 69 0	28 10-100 12 60-100

The shipments of oil during the year compare with those in 1868, as follows:

	1869.	1868.
From Pittsburgh,	95,134 bbls. 532,339 "	165,691 bbls. 590,478 "
Total, -`	627,473 bbls.	756,169 bbls.

Decrease, 128,696 bbls., or 17 per cent.

MOTIVE POWER AND ROLLING STOCK.

The report of the Superintendent of Motive Power and Machinery, which is submitted herewith, shows the total number of locomotives on the Pennsylvania Railroad and Branches at this date to be 477, of which 402 are in actual service and 75 are in the shops for repairs or rebuilding. In addition to the foregoing, there are 110 locomotives on the Philadelphia & Erie Railroad and 21 on the Pittsburgh, Cincinnati & St. Louis Railway, making a total of 608 engines owned by this company.

There have been delivered during the year by builders, in part fulfillment of contracts, one dummy engine, six six-wheeled shifting and fifty-eight ten-wheeled freight locomotives. Of this number, twenty-one ten-wheeled freight locomotives have been rented to the Pittsburgh, Cincinnati and St. Louis Railway Company, and two six-wheeled shifting engines transferred to the Philadelphia & Erie Railroad.

Thirty-eight locomotives have been built in the Company's shops, to fill vacant numbers.

Contracts are outstanding for five ten-wheeled freight engines, to be delivered early in 1870.

MILEAGE AND TONNAGE.

The mileage of locomotives compares with the tons moved one mile, as follows:

	1869.	1868.	Increase.	Percentage of Increase.
Mileage of Freight Engines Tons moved one mile Total engine mileage	6,904,888	6,355,865	551,023	8 66-100
	752,711,812	675,775,560	76,935,752	11 38-100
	9,574,632	8,693,328	881,304	10 13-100

PASSENGER EQUIPMENT.

The passenger equipment at this date, consists of 187 passenger cars, of which 175 are in actual service, and 12 in shops for repairs or rebuilding; 57 emigrant cars, 55 baggage cars, 4 mail cars and 43 express cars. Two baggage cars, 6 emigrant cars and 13 new passenger cars have been built in the Company's shops during the year; the latter, after a new and improved design, which has been adopted for this portion of the equipment.

In addition to the foregoing, there are 50 passenger, 15 baggage and 6 express cars in service on Philadelphia & Erie Railroad.

FREIGHT EQUIPMENT.

The freight	equip	ment	ın sei	cvice	18 as	follo	ws:		
Box cars,	-	-	-	-	-	-	2,	380	
Stock cars,	-	-	-	-	-	-	1,	192	
Gondola cars,	-	-	-	-	-	-	2,	400	
Coal cars,	-	-	-	-	-	-	,	720	
									6,692
Cars owned by	y indi	vidua	ls and	othe	er co	mpan	ies,	-	3,798
Tota	.l, -	-	-		-	-	-	-	10,490
Total freight	equip	ment:	in ser	vice :	Dec.	31, 1	.868,	-	9,261
Incr	ease,	_	_		_	_	_	_	1 229
2401									_,

· This increase has been in cars owned by this company, 484; in cars owned by other companies, 745.

In addition to the foregoing, there are 2,058 freight cars in use on the Philadelphia & Erie Railroad and 450 on the Pittsburgh, Cincinnati & St. Louis Railway, making total freight equipment owned by this company, 9,200 cars.

One thousand and four cars have been added by contract during the year, of which number 554 have been put in use on

this road, and 450 leased to the Pittsburgh, Cincinnati & St. Louis Railway Company.

TRACK AND BUILDINGS.

The accompanying report of the Chief Engineer of Maintenance of Way gives in detail the operations of that branch of the Company's service during the past year.

The second track has been completed between Mapleton and Bridgeport, and the road from Philadelphia to Pittsburgh is now all double-track with the exception of the roadway over Susquehanna, Manayunk and Mount Union bridges.

There have been laid during the year 6,271 tons of steel rails, principally of American manufacture. These, in connection with the steel rails previously laid, make a total of 16,227 tons of steel rails now in the track, some of which have been in service for nearly six years, and none of which have as yet worn out.

GENERAL REMARKS.

The extension of the Tyrone and Clearfield Railroad, from Phillipsburg to Clearfield, was completed early in the year and the road was opened for business February 1st.

The operations of the main line and branches have been attended with no important interruptions, and the motive power and rolling stock have in general been kept fully employed.

My acknowledgments are tendered to the officers of the several branches of the Transportation Department and their subordinate employés, for the efficient support and cordial co-operation which have been extended to me during the past year.

EDWARD H. WILLIAMS, General Superintendent.

REPORT

OF THE

Superintendent

OF

Motive Power and Machinery

Office of Superintendent of

MOTIVE POWER AND MACHINERY,

ALTOONA, PA., January 1st, 1870.

EDWARD H. WILLIAMS, Esq.,

General Superintendent.

SIR:—The following report of the operations of the Motive Power Department for the year ending December 31st, 1869, is respectfully submitted.

The number	of locomotive	es in	service	and in	shops	under
repairs and reb	uilding, Janu	ary 1	st, 1869	, was	-	434
To which have	been added d	uring	the year	ar, as fo	llows:	
By purchase (n	ew numbers),	-	-	-	5 0	
Built by P. R.	R. to replace	engii	nes sold,	-	3	53
	Total,	-	-	-	_	487
Deduct locomot	ives leased to	P. C	. & St. I	L. R. W	., 6	
"	sold to E	I. &	B. T. R.	R.,	1	
" "	transferr	ed to	P. & E	. R. R.,	3	10
Total number of	on Main Line	and I	Branche	s this da	te, —	477

	condition is a						
In service	e in good wo	rking or	der,	-	-	-	375
" "	but requiri	ng repai	rs,	-	-	-	27
In shops	rebuilding,	•	-	-	-	-	7
" "	under genera	al repair	s,	- '	-	-	52
" "	under slight	repairs,	-	-	-	-	16
		Total,	-	-	-	-	477
Locomot	ives actually	in servi	ce Jar	uary 1st	, 1870,	-	402
"	"	"		"_	1869,	-	342
		Increase	÷,	-	-	- ·	60

The following tables exhibit the performance of locomotives, and the cost of repairs, fuel and stores.

MILEAGE OF LOCOMOTIVES.

					Pass. Trains.	Fr't Trains.	Dist'g Trains.	Totals.
Philadelphia	Divisi	on,		-	617,269	2,049,780	118,084	2,785,133
Middle	"	-		-	610,162	2,086,292	92,655	2,789,109
Tyrone	"	-	-	-	109,581	240,967	34,524	385,072
Pittsburgh	"	•		-	965,956	2,527,849	121,513	3,615,318
Tota	ls,		-	-	2,302,968	6,904,8 88	366,776	9.574,632

Total mileage in 1869, - - 9,574,632
" " 1868, - - 8,693,328

Increase, - - 881,304

GRE	ATEST	MILEA	GE WITH	PASSEN	ER TRA	AINS.	
Philadelphia	Div.,	Engin	e 142, Jno N.	. Tilber Gilman,	t, Eng'	r, }	39,100
M iddle	"	"	27, S. I	Hoffmas	ter, "		47,652
Tyrone	ec	"	26, J. S	. Dingr	o, "		33,735
Pittsburgh	"	"	101, D.				49,147
AVE	ERAGE	MILEA	GE WITH	PASSENG	ER TRA	INS.	
Philadelphia	Divisi	on,	•	-	-	-	21,285
Middle	"	-	-	-	-		26,529
Tyrone	, "	-	-	-	-	-	27,895
Pittsburgh	"	-	-	-	-		26,107
GR	EATEST	r MILE	AGE WITE	FREIG	HT TRAI	NS.	
Philadelphia	Div.,	Engin	e 382. Jol	n Morr	is. Eng	ineer.	34,117
Middle	"	u	428, Ph			"	40,565
Tyrone	"	u	205, Ro			"	34,495
Pittsburgh,	u	u	289, H.			u	28,793
ΑV	ERAGE	MILE	AGE WITE	FREIGI	IT TRAI	ns.	
Philadelphia	Divisi	on.	-	-	-	_	23,835
Middle 1	"	-	-	-	-	-	23,181
Tyrone	"	-	-	-	-	_	16,064
Pittsburgh	"	-	•	-	-	-	18,451
The general	averag	e mile	age of pa	ssenger	engines	was	24,763
being an i	_		•	_	_		•
freight en			-	-	_	-	21,052
an increas	_		cent.				- ,

COST OF REPAIRS, FUEL AND STORES.

	Repairs.	Fuel.	Stores.	Totals.
Philadelphia Division, -	287,788 89	187,678 12	81,838 82	506,754 88
Middle .	246,961 51	205,122 81	28,587 66	480,671 98
Tyrone " .	23,989 71	27,184 48	8,881 27	54,455 41
Pittsburgh " -	566,069 28	278,212 62	52,095 75	896,867 65
Totals 1869,	1,124,748 89	698,147 98	115,858 00	1,938,249 87
" 1868,	1,212,216 99	639,844 83	185,846 52	1,986,908 84

Six new locomotives, with new numbers, costing \$72,000, are included in the "repairs" for 1869, and as new engines costing \$162,000 were also charged to "repairs" during the year 1868, to arrive at a fair comparison of the expenses of the two years, the above amounts should be deducted in both cases. This will show an increase in the cost of repairs of locomotives in 1869 over 1868, of \$2,531 $_{100}^{100}$; an increase in the cost of fuel, of \$58,803 $_{100}^{15}$; a decrease in the cost of stores of \$19,993 $_{100}^{52}$, and an increase in the total expenses of repairs, fuel and stores, of \$41,341 53.

This is more than accounted for by the large increase in the mileage, and it will be seen from the following table that there has been actually a marked increase in the cost per mile run in all the items.

	Repairs.	Fuel.	Stores.	Totals.
1868.	12.08	7.35	1.56	20.99
1869.	11.00	7.29	1.20	19.49
Decrease,	1.08	.06	.3 6	1.50
_ = ====,				

TOTAL AVERAGE COST PER 100 MILES RUN.

The plan adopted during the year 1868 for encouraging the engineers and firemen to economize in the use of fuel and stores, which was described in my last report, was continued during the past year with excellent results. The total saving was \$54,707 $_{100}^{57}$, one-half of which sum will be divided as premiums among the men.

The actual saving in quantities per mile run, is exhibited in the following table.

GENERAL	AVERAGE	CONSUMPTION	OF FUEL	AND STORES.

	Pounds of coal used per mile run.			Pounds of tallow used per 100 miles run.
1868.	64.8	3.75	2.43	4.02
1869.	62.9	2.90	1.90	2.80
Decrease,	1.9	.85	.53	1.22

A similar plan to promote economy in the use of oil for lubricating freight and passenger cars, was adopted in March last. The average consumption of oil per car moved one hundred miles during the year 1868 was taken as a basis, and the Foremen of Car Inspectors were offered one-third of the money value of any saving they might effect under those figures. A saving of \$7,920 \frac{32}{100} has resulted, of which one-third will be distributed in premiums.

The following is a summary of the operations of the machine shops during the year.

	J					
Locomotives rebu	ilt (entire	ly new),	-	•	-	38
" had	general r	epairs,	-	-	•	184
"	ordinary	-u	-	-	-	181
"	new steel	fire-boxes	built,	-	-	64
" "	copper ha	lf "	"	-	-	2
	new steel		"	-	_	38
u u	new iron	"	u	•	-	10
	T	IRES USED.				
Steel Tire	s used,	-	•	-	411	
Chilled "	u	-	-	-	237	
Iron "	"	-	•	•	37	
•	Total	in 1869,	-	-	685	
	u	1868,	-	-	502	
		Increase,	, -	-	183	

WHEELS AND AXLES USED.

·				
	Iron.	Steel.	Totals.	Wheels.
Locomotive Trucks,	96	64	160	618
" Tenders,	87	267	354	1,226
Passenger Equipment,	. 6	931	937	2,448
Freight,	1,415	272	1,687	5,236
Totals,	1,604	1,534	3,138	9,528

ROLLING STOCK.

The Passenger Equipment on Main Line and Branches is as follows:

PASSENGER EQUIPMENT.

	Total number January 1st, 1869.	New numbers built during 1869.	Total number January 1st, 1870.	In shops under repairs, and rebuilding.	In service Jan. lst, 1870.
Passenger,	174	13	187	12	175
Emigrant,	51	6	57	9	48
Baggage,	53	2	55	3	52
Mail,	4		4		4
Express,	43		43	8	35
Totals,	325	21	346	32	314

FREIGHT EQUIPMENT.

·	Total number January 1st, 1869.	Now numbers added by con- tract during 1869.	Total number January 1st, 1870.	In shops, re- building.	In shops, under ordinary repairs.	In service Jan- uary lat, 1870.
Box,	2,406	106	2,512	132	53	2,327
Stock,	1,152	148	1,300	108	3 9	1,153
Gondola,	2,161	300	2,461	61	56	2,344
Coal,	738		738	18	15	705
Totals,	6,457	554	7,011	319	163	6,529

The following cars owned by individuals and incorporated companies, are run regularly on this road:

Penn Gas Coal Cor	npany,	-	-	-	-	605
Westmoreland Coa	l Compan	ıy, -	-	-	-	600
Powelton Coal and			-	-	-	86
North-western Coa	d and Iro	n Comp	any,	-	-	27
Philadelphia and I	Reading C	Coal Car	's, -	-	-	700
Kittaning Coal Coa	mpany,	-	-	-	-	30
Union Line, -	•	-	-	· _	-	1,025
Allentown Line,	-	-	-	-	-	300
National Line,	-	-	-	-	-	425
	Total,	-	-	-	-	3,798

Cars in 1	Mair	iter	ance of V	Vay Ser	vice:			
Cabin Cars	3,	-	-	-	-	-	-	21
Gondola, "	i	-	-	-	-	-	-	164
Dump "	:	-	-	-	-	-	-	157
Hand "	1	-	-	-	-	-	-	177
Hand True	ks,	-	-	-	•	-	-	218
Derrick Ca	rs,	-	-	-	-	-	-	13
			Total,	-	-	-	-	750
			RECA	PITULA	TION.			
Passenger 1	Equ	ipm	ent. Num	ber of	Cars.	-	_	346
Freight	-	ü	, u		"	-	-	7,011
Cars in Ma	inte	nar	ce of Wa	y Servi	c e, -	•	-	750
Individual						d Compa	nies	
			n Pennsyl			- 1		3,798
			Total,	-	-	-	- 1	1,905
							==	

GENERAL REMARKS.

The condition of the locomotives was steadily improved throughout the past year, and although their average mileage was somewhat greater than during the preceding one, yet the power was at no time overtaxed.

The passenger equipment was maintained in about as good order as at the commencement of the year, though from want of the necessary facilities, it could not be brought up to as high a standard as was desired.

The condition of the freight equipment was improved, and the number of cars in shop was kept at a minimum—the average number out of service being only 206 of all classes.

Three fires occurred during the year, neither of them, however, involving a serious loss. On the night of January 21st, the freight repair shop at Altoona was destroyed by fire, communicated by an incendiary. It was a frame building of little value, and its loss did not cause any serious delay, as within twenty-four hours the tools destroyed were replaced, and the work was transferred to the Eastern Round House. Thirteen freight cars were consumed with the building.

On the night of the 16th of November a fire broke out in the planing-mill at Altoona, entirely destroying it with all the tools it contained; these latter constituted the principal loss. The old Maintenance of Way shop was taken possession of as a temporary expedient, and equipped with the necessary wood machinery. The work can be done there until the new car shops now being erected are completed.

On the 16th of October the frame engine house at Blairsville was burnt down; the locomotives were all removed without damage.

The machine shops at Mifflin were closed on the 1st of October, and the machinery was transferred to the other shops. As Mifflin had ceased to be a laying-over point for locomotives, the necessity for shops there had also ceased to exist, and it was thought best to concentrate the work at the larger shops.

My acknowledgements are due to the officers and employés of this department, for the satisfactory and efficient manner in which they have performed their duties.

Very respectfully,

A. J. CASSATT,

Sup't M. P. and Machinery.

REPORT

OF

CHIEF ENGINEER OF MAINTENANCE OF WAY.

Chief Engineer's Office, MAINTENANCE OF WAY DEPARTMENT,

ALTOONA, December 31st, 1869.

EDWARD H. WILLIAMS, Esq.,

General Superintendent.

SIR:—The following report of the operations of this Department for the past year is respectfully submitted:

Road-Bed and Road Superstructure.

On the Philadelphia Division, the extensions of the Mantua yard reported as in progress last year have been continued, and the new sidings brought into use. Retaining walls have been built at various points, amounting to an aggregate of twelve hundred and four feet in length. An arch culvert of six feet span has been built west of Mountville; one of four feet span east of Kinzer's; repairs have been made to eight arch culverts at various points; the masonry of three open culverts has been rebuilt; five circular brick culverts have been constructed to replace defective stone drains, and seven-

teen cattle-guards have been rebuilt on the Harrisburg and and Lancaster road.

A flood in the river Schuylkill on October 3d, caused some damage to the Delaware Extension trestle-work, interrupting travel over it for several days.

On the Middle Division, extensions have been made to the retaining walls at Manayunk, Lewistown Narrows and other points. Four cattle-guards and seven box culverts have been rebuilt. Stone-crushers for breaking ballast have been erected, one near Millerstown, and one west of Huntingdon. Various siding extensions have been made, and the second track between Mapleton and Bridgeport has been completed.

On the Pittsburgh Division, a retaining wall has been built at Packsaddle. The grading is in progress for a siding eighteen hundred feet long east of Kittaning Point. The gauge of the tracks between Pittsburgh and East Liberty has been widened to four feet nine and one-quarter inches, and the second set of rails between those points dispensed with. Stone-crushers have been erected east of Galitzin and at Johnstown. It has been found necessary to complete the arching of Allegheny tunnel through the portion not heretofore lined, a length of about eight hundred feet, and to arch Car's tunnel entire—a length of eight hundred and twenty-five feet. Work was commenced in the spring at these points; most of the necessary excavation has been done in the Allegheny tunnel, and nearly enough stone prepared for the work. At Carr's, the stone masonry has been completed for the whole distance, and the brickwork of the arch completed for about three-fourths of the length of the tunnel. The second track over Johnstown bridge was completed February 27th. The sloping of cuts has been continued during a portion of the year, but is now suspended at most points. The character of the strata along the Pittsburgh Division, through the coal measures, is such that most of the cuts will be a source of expense for some years. The disintegration of the layers of fire-clay and shale will continue to make additional

work necessary, which can best be done from time to time as the case may require.

The ordinary renewals and repairs of track have been carried on as usual during the year, the quantities of material used, as per the succeeding tabular statement, will indicate the amount of work done. A large amount of ballast has been placed on the road, of which a considerable proportion has passed through the stone-crushing machines. Our experience so far with these machines shows a large saving both in cost and time by their use over the old method of breaking ballast by hand, and would justify the erection of additional machines at convenient points, and the breaking of our whole supply of ballast in this way.

The new tracks laid during the year are as follows:

						,		Miles	Feet.	Miles	Feet.
Second	track between Ma						'n,	,	2,440 530		0.050
Extens	ions of branch roa	ds.									2,970
Tyrone	& Clearfield Railw	ay—	Bran	chest	o coa	l min	es,			1	3,920
Sidings	on Delaware Ext	ensio	n,	•					2,000 4,913		
"	in Mantua Yard			ridge	St., I	Phila.).	2	5		ľ
44	at Paoli Grove,	•					".	_	739		
**	Columbia,								588		
	Middletown,						.		825		
"	Baldwin,								1,967		
**	Harrisburg,						.		421		
"	Rockville,	•		•			.		525	!	
44	Marysville,	•	•	•					1,175	i	
"	Millerstown,	•	•			•	.]		650		
"	Lewistown,	•	•	•	•	•			200		
"	Bridgeport,	•	•	•	•		•		300		
	Huntingdon,	:	•	;	•	•			600	ļ	
"	Quarry west of					•			405	i	
"	Altoona Transp		tion	Yard	,	•	•		4,031		
••	" Car S	nop		•••		•	.		5,605		
"	Allegrippas,	٠ ,	÷	`,	•	•			450		
"	East of Allegh	eny T	lunn	el,	•	•			100		
"	Conemaugh,	•	٠,	:		· . ·	•		1 80		
••	Conemaugh Fu	ırnac	e (pi	ivate	810	ing pu	ır-		050		
~ "	chased),	•		•	•	•	.		856		
"	Derry Quarry,		•	•	•	•	.		1,156 155		
"	Georges, .	•	•	•	•	•	.		155 55		
"	Larimer's, East Liberty,	•	•	•	•	•	٠,		674		
"	East of Lawren	n.cazri	١١٥	•	•	•	.	1	750		
"	Pittsburgh,	HCGAI	110,	•	•	•	.		877	7	3,802
	Thwoulgn,	•	•	•	•	•	.			'	0,002
"	on West Penn'a R	hao.	_		_	_		İ	4,149		
44	Indiana Branch			:	•	:			1,224		
**	Tyrone "	,	•	:	:	:	:		3,350		
**	Bald Eagle Va	llev	Road	ĺ.					235		
"	Tyrone & Clear					•		1	1,730	3	128
	Total, .									13	260
	Less track rem	oved.	•	•	•	•				10	4,263
	LICOS CIACA ICII	. J 7 6U	,	•	•	•	.				
										12	1,277
							- 1	i		1 1	

The single track on the main line is now limited to the following sections:

_							Mile.	Feet.
At Susquehanna	Bridge	Rc	ckvil	le,	-	-	1	559
" Manayunk	"	-	-	-	-	-		1,184
" Mount Union	u	-	-	-	-	-		1,222
Total,	-	-	-	-	-	-	1	2,965

The number of miles of single track in use at this date is as follows:

IUIIUWS.					
Main line, including sidings,	-	-	-	881.7	miles.
Branches owned, " -	-	-	-	54. 5	"
Branches leased, " -	-	-	-	226.5	"
Private sidings and branches,	-	-	-	42.5	"
· •					
Total,	•	-	-	1,205.2	miles.

The following quantities of material have been used during the year:

					
	Iron Ralls. Tons.	Steel Rails. Tons.	Splice Joints.	Spikes. Ibs.	Cross-Ties.
Philadelphia to Columbia	3,357	1,775	23,440	196,200	129,480
Harrisburg & Lancaster R. R	1,048	324	5,544	49,680	37,734
Harrisburg to Altoons	5,085	2,261	29,200	195,090	137,211
Altoona to Pittsburgh	5,024	1,834	19,543	192,573	133,936
East Brandywine & Waynesburg R. R				2,500	4,965
Mifflin & Centre Co. B. R				275	1,363
Tyrone Branch	84			39,419	3,301
Tyrone & Clearfield B. W	614	77	1,133	31,056	17,638
Bald Eagle Valley B. R	9			6,625	19,128
Hollidaysburg Branch				1,175	1,437
Ebensburg & Cresson B. R	3			2,815	2,509
Indiana Branch	144		576	4,115	3,784
Western Penn'a R. R	415		1,660	9,839	5,979
Totals	15,813	6,271	81,096	731,392	498,465

All the iron rails used in repairs were obtained from re-rolling. There have been purchased during the year 5,275 tons of American steel rails, and 1,802 tons of foreign steel rails. There have been laid in the track 6,271 tons of steel rails, and there are now on hand 2,344 tons, making a total of 18,571 tons of steel rails purchased, and 16,227 tons laid in the track to December 31st, 1869.

The use of steel rails has been continued with very satisfactory results since the date of the last report. A few steel rails at some points subjected to particularly severe usage, are showing the effects of the work done over them, but it is legitimate wear, such as might reasonably be expected. Steel rails will, of course, wear out in time, if only by attrition, but it is estimated that in the places where these rails are still doing service, and will probably continue to do so for a considerable time yet, six sets of iron rails would have been completely worn out during the time the steel has been in use, had the track been laid with iron.

A few of the older steel rails, made before drilling was substituted for punching, have broken at the bolt holes or spike slots, and other cases of breakage have occurred, which are clearly chargeable to the rails having been injured at the mill under the straightening press. As these practical points have developed themselves and been communicated to the manufacturers, improvements and modifications in the details of manufacture have been made, the results of which are that rails are now being produced at some of our American mills, than which anything better can hardly be desired.

Bridges.

The fenders at the Schuylkill bridge on the Delaware Extension, partially destroyed by the freshet in October, have been rebuilt; fifty floor beams on this bridge have been renewed. Iron superstructure has been erected at Thirty-fifth Street

bridge for two additional tracks. New track-stringers have been placed on seven bridges on the Philadelphia Division. Twenty-five new floor-beams on Mill creek bridge. New floorbeams on the Union Canal bridge at Middletown, and the following bridges have been painted, viz.: Schuylkill, Valley Creek and Pequea bridges, six over-head farm bridges, and eleven iron-girder bridges. The public road bridges east of Wayne station and west of Rohrerstown have been rebuilt. Six stringer bridges, ranging from six to sixteen feet clear span, have been replaced by iron girders. The masonry of stringer bridges at Caln and Henry Clay Furnace have been rebuilt, and a number of others repaired. At Strickler's bridge, east of Columbia, new abutments have been built, shortening the clear span from 108 feet 6 inches, to 58 feet 6 inches, with the intention of replacing the present wooden superstructure with an iron boiler-plate truss.

The entire floor of the Susquehanna bridge at Rockville, has been relaid in a new shape, covered with tin and painted; about three-fourths of the floor beams have been renewed, also a number of chord pieces. At lower Canal bridge, Rockville, a portion of the track-stringers have been renewed. At Cove creek, Shuman's creek, Juniata creek, Raccoon creek and Neff's bridges, the floor-beams and track-stringers have been renewed, and at Mill creek, Shaver's creek and Huntingdon, new track-stringers have been put down. Little Juniata bridges, Nos. 4, 6, 10, 11 and 12, have all had new trackstringers, and new floor-beams at all except No. 12. Additional lateral bracing has been introduced at Perryville bridge. A portion of the braces and chords have been renewed at Manayunk and Mount Union bridges; at the latter, the extensions of the masonry for second track have been continued during the year, and are now nearly completed, and the eastern pier has been completely rebuilt. At No. 5, the masonry of the abutments has been prepared for the new iron superstructure

which is on the ground, ready to be erected. Two additional lines of trusses have been erected at Vandevander's bridge, to adapt it for double track—the two lines of trusses of the old single-track bridge being together made to form the centre truss of the new bridge, thus utilizing the old trusses, and giving sufficient strength for a double-track bridge. The masonry of No. 10 has been completed, and new iron superstructure of a total length of two hundred feet erected in place of the wooden bridge at that place. A girder bridge west of Tipton has been replaced by iron beams. In the foregoing repairs to Middle Division bridges, there have been used, white oak timber, 13,852 feet, B. M.; white pine, 585,579 feet, B. M. The iron-work and superstructure of the following bridges have been painted, viz.: Nos. 4 and 10, two at Huntingdon, Petersburg bridge, three bridges at Duncannon, and one each at Cove Forge and Millerstown.

The new iron bridge at Johnstown (to replace single track bridge), reported in progress last year, was completed February 27th, and the trusses of the old bridge have been refitted and adapted for the Tyrone Branch, at Tyrone, using two trusses as one to give proper strength. Near Summerhill, there are four bridges, three of one span each and one of three spans, all of the same lengths between supports, viz.: 75 feet. Though all iron bridges they were light in their proportions, being among the first iron bridges built on the road. A new iron bridge of the most recent and approved pattern has been erected in place of the three span bridge, and the old trusses taken down at that place have been erected at the other three bridges, thus doubling their strength. A stringer bridge at Manor Station has been replaced with iron beams. A public road bridge at St. Clair has been rebuilt, and at a greater elevation above the track than the former one. The piers of the Mononhela bridge on the Steubenville Extension, have been thoroughly riprapped.

The stone masonry built during the year for various purposes of construction and renewal, sums up as follows:

Philadelphia	Division,	-	-	-	-	11,730	perches.
Middle	u	-	-	-	-	11,758	- "
Pittsburgh	"	-	-	-	-	6,152	"
Tyrone	"	-	-	-	-	2,833	"
	Total,	-	-	-	-	32,473	perches.

Engine Houses and Machine Shops.

At West Philadelphia, a brick building 40 by 77 feet has been erected for the use of the Motive Power Department as a storehouse. Sundry repairs have been made to the various buildings. The outside woodwork of the large engine-house, machine and car shops, and of the engine-house at Paoli have been painted.

At Columbia engine-house, the roof trusses have been repaired, and twenty-one canopies and ventilators have been put up. At Altoona shops, foundations were built for one heating furnace and for a steam riveting machine. At Harrisburg engine-house, the floor of one half the building has been entirely renewed. Extensive repairs have been made at the old engine-house at Pittsburgh, including a new floor and gas and waterpipes.

The wall along Liberty street at the outer depot has been completed, and the shop grounds enclosed. The turn-table that was near the Pittsburgh Passenger Station has been moved to a position in front of the engine-house used by the Pittsburgh, Cincinnati & St. Louis Railway, and an extension of that building westward a distance of thirty-five feet has been made for shop purposes. A blacksmith shop, 21 by 77 feet, has been erected at the same place. The floor of nine stalls of the Conemaugh engine-house has been renewed. The heating of our engine-houses has been much facilitated, by constructing parti-

tions between the entrance tracks and the rest of the building, and placing dampers in the ventilators and canopies.

Water, Wood and Coal Stations.

A frame building, 15 by 30 feet, containing two tubs has been erec ed at Greenwich, on the Delaware Extension, for a water station, the water being pumped from a well by a windmill. The water tubs at Gallagherville and Middletown have been renewed. Small coal platforms have been built at Parkesburg. The wood sheds at Paoli and Leaman Place, the tankhouses at Gallagherville, and reservoir buildings at West Philadelphia, Leaman Place and Collins' have been painted. A new Worthington pump has been placed at Columbia, to pump water for that station.

An additional water tub has been erected at Spruce Creek Station. The Tuscarora wood-shed has been removed. One of the coal platforms at Altoona has been entirely rebuilt and covered. One additional stand-pipe has been erected at Portage Station. The construction of a reservoir at Spring Hill has been commenced. A coal tipple has been erected at Corey's coal mine, on the Pittsburgh Division. The tipple at Penn Station has been rebuilt, also the coaling wharf at Pittsburgh.

Passenger and Freight Stations, &c.

The building at Ninth and Chestnut streets, Philadelphia, used as a ticket office, has been remodelled; a brick addition, $13\frac{1}{2}$ by $15\frac{1}{2}$ feet, has been built at the Forty-first Street Station. A three-story stone building, 18 by 30 feet, has been erected at Hestonville, to be used as a passenger station and dwelling; and a stone building at Oakland, for a combined passenger and freight depot, the sizes of the two portions being respectively 27 by 30 feet, and 27 by 36 feet. At Downingtown, a brick warehouse, 30 by $91\frac{1}{2}$ feet, is nearly completed. A three-story brick building, 17 by 31 feet, with two wings, 22 by $25\frac{1}{2}$ feet, two stories high, has been erected at Coatesville, for a passenger depot and dwelling-house. A crane has been

constructed at Lancaster warehouse. At Columbia, the buildings on the lots recently purchased at Front and Walnut streets have been torn down, and in their place a brick warehouse erected, 33 by 90 feet, with telegraph and express office adjoining, 25 by 36 feet, and the foundations have been built for a passenger station. A brick building, for combined passenger and freight depot, 35 by 107 feet, is now being erected at Marietta. A frame passenger station, 16 by 20 feet, has been built at Schock's Mills. Sundry repairs have been made to stations generally on the Philadelphia Division. Two stone buildings have been erected at Marysville, for use of the Company's employés stationed at that place—one a double dwelling. 23 by 51 feet, one and a half stories high, the other a three story boarding-house, 36 by 47 feet. A stone passenger station, 23 by 56 feet, has been built at McVeytown, and a stone warehouse, 23 by 48 feet, at Mapleton. A platform, 350 by 25 feet, supported on trestles, with suitable tracks has been built at Marysville, to facilitate the transfer of anthracite coal from the cars of the Northern Central Railway Company, to those of the Pennsylvania Railroad Company. General repairs have been made to stations and platforms at a number of points on the Middle Division.

Frame buildings have been erected at Turtle Creek, 17 by 41 feet, and at Portage, 15 by 29 feet, for use as combined passenger and freight stations. The warehouse at Penn Station has been enlarged by the addition of forty feet to its length. A scale house, 16 by 16 feet, has been built at Homewood, and the Derry scales have been entirely renewed. The stations at Millvale, Wilmore and East Liberty, reported as in progress last year, have been completed. Thirty-eight new pens have been added at East Liberty stock yards; extensive repairs have been made at these yards; two additional water tubs have have been erected, and a new well is now being bored to increase the water supply at that point.

Additional sheds have been erected at the Pittsburgh Pas-

senger Depot, affording access under cover to cars standing on any track in that depot. The agent's dwelling, at Wilmore, has been enlarged. A laborer's house has been erected at Turtle creek, and foreman's tool-houses, 16 by 20 feet, at eleven places on the Pittsburgh Division. The ice-house at Pittsburgh has been taken down, to make way for changes in yard tracks, and a new ice-house has been built at East Liberty.

A number of new telegraph poles have been erected, to give the Pennsylvania Railroad Company a complete line of poles from Philadelphia to Pittsburgh. The insulators on the line generally have been cleaned and recoated with a preparation of parafine, and new lines of wire have been run from Philadelphia to Harrisburg, via Columbia, and from Altoona to Pittsburgh.

 $\label{Fuel.} \textbf{\textit{Fuel.}}$ The following amounts of fuel were consumed during the year:

					Cords of Wood.	Net Tons of Coal.
Philadelphia :	Division,	-	-	•	6,054	57,642
Middle	"	-	-	-	10,622	111,859
Pittsburgh	"	-	-	-	7,690	94,967
Tyrone	"	-	-	-	1,218	10,736
West Penna.	"	-	-	-	600	8,265
Consumed by	Locomo	tives,	-	-	26,184	283,469
" at	Shops, S	tation	ıs, &c	., -	363	22,732
Tota	l, -	-	-	-	26,547	306,201

The rolling stock in the service of this department consists of 15 locomotives, 19 eight-wheeled box cars, 117 eight-wheel wood trucks, 105 four-wheel dump cars, 52 eight-wheel dump cars, 177 hand cars, 218 hand trucks, 12 derrick cars, 2 eight-wheel paint cars, 2 four-wheel lumber trucks, 45 eight-wheel stone trucks, and 1 scaffold car.

BRANCH ROADS.

The East Brandywine & Waynesburg Road has been kept in good order, with a moderate expenditure. Twenty-one short stringer bridges have been renewed; a new water tub has been placed in the engine-house at Waynesburg, and the well at that place having failed, a new one has been dug, which now gives an abundant supply of water.

On the Mifflin & Centre County Road, five queen post truss-bridges, between Reedsville and Milroy, have been covered and painted.

The warehouse at Ebensburg, on the Ebensburg & Cresson Road, has been repaired. A line of telegraph poles has been erected between Cresson and Ebensburg, and the wire put up by the Pacific & Atlantic Telegraph Company.

On the Indiana Branch, in addition to current repairs of track, some new trestles have been put up at the canal crossing east of Blairsville, and a number of the timbers in that trestlework have been renewed. A new coaling platform has been built a short distance east of Blairsville. A tub, 18 feet diameter and 8 feet deep, has been erected at Black Lick water station, and the supply of water at that point increased. 844 feet of new siding have been laid at the coaling wharf, and 380 feet at Blairsville station. A line of telegraph poles has been erected from Blairsville to Indiana, the wire being put up by the Western Union Telegraph Company.

On the Western Pennsylvania Road, a freshet, in July last undermined one of the abutments of Pine run bridge, west of Townsend's Station, and also the masonry of a bridge at Hite's

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Station. This masonry has been rebuilt, in the latter case giving a greater width of water way.

On October 29th, the frame engine-house at Blairsville was destroyed by fire; it is now being rebuilt. Some changes of track and extension of sidings have been made at Allegheny junction to accommodate the business passing to and from the Allegheny Valley Railroad. 2,296 feet of new siding have been laid at this place; 1,244 feet at Lincoln Station, and sundry small extensions at other points, amounting to 609 feet of track.

On the Tyrone Branch, the work of revising the Tyrone yard has been continued. 3,350 feet of siding have been laid; a new set of track scales, 112 feet long, have been built, and a frame building, 18 by 34 feet, built in connection with the scales. At the crossing of the Juniata, in Tyrone, one pier and two abutments have been built, to allow of replacing the trestlework at that place by two spans of iron bridge, each $77\frac{1}{2}$ feet long.

On the Bald Eagle Valley Railroad, the masonry of 3 stringer bridges and 1 culvert has been rebuilt; the superstructure of 27 stringer bridges renewed; the superstructure of the 3 spans of Flemington bridge has been entirely rebuilt, and 235 feet of new siding has been laid at Lock Haven Intersection. This branch has been kept in good condition, at a moderate expense.

The extension of the Tyrone & Clearfield Railway from Philipsburg to Clearfield was opened for use early in the year, and considerable work has been done towards ballasting and otherwise improving this piece of road. The station-grounds at Clearfield have been graded; a turn-table provided; an engine-house, 57 by 31 feet, passenger station, 51 by 25 feet, and freight depot, 84 by 33 feet erected, and 1,577 feet of sidings laid. The Clearfield creek bridge has been roofed and covered with tin. Sidings have been graded and laid as follows: at McBride's, 423 feet; at Woodlands, 504 feet; at Bigler, 668 feet, and at Wallacetown, 1,088 feet.

An extension of the Morrisdale Branch, near Philipsburg, has been made, a distance of 9,200 feet, developing additional coal lands. Dunbar siding has been lengthened 150 feet. A new water station has been built at Osceola, and a line of pipe, one-half mile long, laid, the former supply of water near that place having been cut off by the working of coal mines.

As the trestle-work on the Moshannon Branch, near Osceola, would soon require rebuilding, if it continued in use, that Branch, from near the Osceola warehouse to its junction with the main line of the Tyrone & Clearfield Railway, has been relocated, and a good line secured, avoiding the trestle-work and with lighter grades than the present road. The graduation and the masonry for a bridge over the Moshannon are nearly completed, and the track can be laid early in the spring. Several bridges on the Moshannon Branch have been repaired. Eight hundred feet of new siding has been laid at Osceola. The track on the old Decatur Branch, being no longer in use, has been taken up and laid on the extension of the Moshannon Branch up Beaver run, a distance of one and a-half miles, to accommodate several saw-mills and coal operations.

At the summit of the Tyrone & Clearfield Railway, it has been found advisable to lower the grade of the main track six and a-half feet, the change extending over a space of eight hundred feet. This, by avoiding the sudden change from an ascending to a descending grade, very much facilitates the movements of trains. 1,800 feet of siding have been laid at this place.

The Western Union Telegraph Company have erected a line of wire on the poles provided last year, from Intersection to Clearfield, and telegraph offices have been opened at all important points.

Very respectfully,

JOHN A. WILSON, Chief Engineer M. of W.

REPORT

OF THE

CHIEF ENGINEER OF CONSTRUCTION.

Chief Engineer's Office,
CONSTRUCTION DEPARTMENT.

PHILADELPHIA, January 1st, 1870.

J. EDGAR THOMSON, Esq., President.

SIR:—The following report of work done in this department during the past year is respectfully submitted.

A platform 500 feet in length, by 60 feet in width, has been erected on one of the new wharves at Greenwich, with twelve shutes for transferring coal to vessels. The trestle-work approach (714 feet in length) is completed, and the requisite tracks laid, with the exception of a short distance on the adjacent embankment, the work upon which is now rapidly drawing to a close.

The Grain Warehouse at West Philadelphia, the construction of which was commenced in November, 1868, is now ready for use, and will be entirely completed in the course of a few weeks.

This building is 555 feet in length, by 125 feet in width, constructed of timber, and covered on the sides and roof with slate. The foundations, to a height of one foot above the ground-floor, are of stone, amounting to 10,950 perches, supported on 5,558

piles. The bins, 600 in number, each one having a capacity of one car-load, are so arranged that grain is discharged into them from cars, and drawn out below into wagons, with very little delay or expense.

In connection with the grain-house is an iron bridge over Thirtieth street, of 63 feet clear span, extending the full width of the building, and supporting six railroad tracks.

A large amount of material excavated in widening the roadbed between Haverford street and Belmont avenue, has been disposed of in constructing the approaches to the Grain House west of Thirtieth street, and the coal platform at Greenwich, and in filling at the trestle-work on Delaware Extension.

New sidings have been laid at various points along the road, a detailed statement of which appears in the Report of the Chief Engineer of Maintenance of Way. The total amount of new track constructed during the year is 9 miles 786 feet, of which 2,970 feet were on main line at Bridgeport and Johnstown; 7 miles 3,802 feet on sidings, 1,224 feet on Indiana Branch, and 3,350 feet on Tyrone Branch.

The grading and masonry of the new line between Athensville and Rosemont, will be completed by the first of March, so as to admit of the tracks being laid during the ensuing summer.

Between Rosemont and Morgan's corner, most of the masonry has been constructed, and preparations made for an immediate commencement of the grading.

Two additional trusses have been erected at the iron bridge over Thirty-fifth street, West Philadelphia, for side tracks.

A boiler-plate bridge, of 62 feet clear span, has replaced the wooden bridge of 110 feet span at Strickler's run.

An iron bridge has also been substituted for wood, at No 10, on Little Juniata, and, in both cases, new masonry constructed.

At Vandevander's bridge of five spans with a total length of 511 feet, two additional iron trusses have been erected for the second track.

Plans and specifications have been furnished to Maintenance of Way Department for sundry changes of bridge superstructure on the western slope of the Allegheny mountain.

The following new buildings have been erected:

A brick storehouse at West Philadelphia.

A stone dwelling and passenger-room at Hestonville.

A stone passenger and freight depot at Oakland.

A brick warehouse at Downingtown.

A brick passenger station and dwelling at Coatesville.

A brick warehouse at Columbia.

A brick passenger and freight depot at Marietta.

Two stone dwelling-houses at Marysville.

A stone passenger station at McVeytown.

A stone warehouse at Mapleton.

A frame passenger and freight-house at Portage.

A frame freight-house at Turtle creek.

A frame dwelling-house at Turtle creek.

At Altoona an area of about 62 acrès has been appropriated for shop purposes, and most of it graded.

Tracks have been laid down, and the following buildings erected, all of brick, with stone foundations, viz.:

```
Carpenter shop, two stories, - - 37 by 125 feet.

Wood machine-shop, - - - 65 " 75 "

Iron machine and blacksmith shop, - 37 " 129 "

Boiler and engine-house, - - 15 " 52 "

Paint and tin shop, two stories, - - 37 " 94 "

Office and store-room, two stories, - - 27 " 47 "
```

All of the above were intended for the use of Maintenance of Way Department.

Circular freight car repair-shop, having an outside diameter of 434 feet, and a width of 99 feet 8 inches.

The building is divided by partition-walls into three parts, containing respectively 15, 12 and 11 tracks for cars undergoing repairs, in addition to which are two entrance tracks. Two

of the divisions, containing 26 working tracks, are now completed and in use. The remaining division will not be constructed until required.

The stone foundations are built for the following, viz.:

Passenger car-shop,	-	-	-	-	-	134	bу	214	feet.
Planing-mill, -	-	-	-	-	-	74	"	224	"
Blacksmith-shop,	-	-	-	-	-	74	"	204	"
Machine-shop, -	-	-	-	-	-	74	"	304	"
Paint and upholstery	y shop	, par	tly t	wo sto	ries,	74	"	364	"
Office and store-room	a, two	stor	ies,	-	-	40	"	80	"

All of these buildings, it is expected, will be completed during the ensuing summer.

Considerable additions have been made to the real estate of the Company in the cities of Philadelphia, Harrisburg and Pittsburgh, and at various points along the line of road.

The accompanying statements will show in detail the expenditures made for construction purposes on the Pennsylvania Railroad as well as the Philadelphia & Erie Railroad.

Respectfully,

W. H. WILSON, Chief Engineer.

REPORT

OF THE

CONTROLLER.

Controller's Office, ACCOUNTING DEPARTMENT.

PHILADELPHIA, January 1st, 1870.

To the President and Directors of the Pennsylvania Railroad Company.

GENTLEMEN:—The statements herewith submitted embody the statistics on record in this Department, and exhibit in detail the business for the past year in the Transportation Departments of the Pennsylvania, and Philadelphia & Erie Railroads, the following being a general summary of the same.

Memorandum Exhibit of Earnings, Expenses, etc., of the Pennsylvania Railroad for 1869.

Total Earnings for 1869:

	•						
From	Transportation of 1	Freight	s, and	Tolls	from	Individ	ual
	Cars, -	-	-	-	\$12,9	932,656	88
"	First Class Passeng	ers (inc	luding	U.S.			
	Tax), -	-	-	-	3,	500,071	06
"	Emigrants (including	ng U. S	. Tax),	-	•	131,065	93
"	Adams Express,	-	-	-	;	302,654	54
"	Carrying U.S. Mai	ils, -	-	-		118,961	91
"	Rent from workmen	ns' and	other h	ouses,		62,226	83
"	Sundry sources,	-	-	-	9	203,174	58
					\$17,	250,811	73
	Total Expenses for	1869:					
Motiv	e Power, -	-	•	-	\$3,	503,792	57
Condu	cting Transportation	n, -	-	-	3,6	379,195	15
Maint	enance of Way,	-	-	-	3,	341,568	10
Maint	enance of Cars,	-	-	-	1,4	464,859	22
Gener	al Expenses, -	-	-	•	. :	213,852	56
					\$12,	203,267	60
	Net Earnings to ba	alance,	-	-		047,544	
					\$17,5	250,811	73

And showing the following Transportation Balance Sheet:

Dr.

To am	ount of	Stock on hand January 1, 1	869,	\$1,409,829	86
"	"	Bills during 1869, -	-	12,376,400	15
"	"	Pay Rolls during 1869,	-	6,120,661	42
				\$19,906,891	43

CR.

By amount of Expenditures in the following Departments:

Motive Power, -	-	-	-	\$3,503,792	57
Conducting Transportation,	-	-	-	3,679,195	15
Maintenance of Way,	-	-	-	3,341,568	10
Maintenance of Cars,	-	-	-	1,464,859	22
General Expenses, -	-	-	-	2 13,852	5 6
Cost of Construction and Ec	quipi	nent of Ros	ad,	4,103,016	36
Individuals and Companies	(Ger	. Supt's ac	c't),	1,701,178	98
Road and Shop Stock on ha	nd J	anuary 1,	1870,	1,899,428	49
			4	210 006 801	13

\$19,906,891 **43**

The Receipts and Expenditures of the Transportation Department of the Philadelphia & Erie Railroad (by the Pennsylvania Railroad Company Lessee) for the year 1869, are as follows, viz.:

RECEIPTS.

From	Freights and	Tolls on	Individ	ual Cars	,	\$2,507,082	93
"	Passengers,	-	-	-	-	672,964	46
"	Expresses,	-	-	-	-	31,327	51
"	United States	Mails,	-	-	-	24,616	67
"	Sundry source	es	-	-	-	26,713	72
	Excess of Ex	penses to	balance	е,	-	\$3,262,705 61,512	
					=	\$3,324,218	25

EXPENDITURES.

Conducting Transportation (including 30 per cent. to Philadelphia & Erie Railroad Company), - \$1,627,615 19

Motive Power, - - 749,641 82

Maintenance of Way, - - - 733,415 17

Maintenance of Cars, - - 213,546 07

The details of the above show the Earnings and Expenses due the Philadelphia & Erie Railroad for 1869 to be as follows, viz.:

Total Receipts, - - - \$3,262,705 29

Less Overcharges, - - - 23,693 71

* \$3,239,011 58

And total Expenditures as follows, viz.:
Conducting Transportation, \$1,627,615 19

Less 30 per cent. to Philadelphia

& Erie R. R., \$956,009 12

Less Overcharges, 23,693 71

979,702 83

Conducting Transportation, net, \$647,912 36

Motive Power, - - 749,641 82

Maintenance of Cars, - 213,546 07 Maintenance of Way, - 733,415 17

Leaving total working expenses,

\$2,344,515 42

The balance-sheet for the Philadelphia & Erie Railroad for 1869 is as follows:

Dr.

To amount of Road and Shop Stock on hand January 1, 1869, to wit, - - - \$371,351 51

To amount of Bills during 1869, - 2,590,397 44
" Pay Rolls during 1869, - 1,595,034 50

\$4,556,783 45

Cr.

By amount of Expenditures	in th	e followin	g Dej	partments, v	iz.:
Conducting Transportation,	-	-	-	\$1,627,615	19
Motive Power, -	-	-	-	749,641	82
Maintenance of Cars,	-	-	-	213,546	07
Maintenance of Way,	-	-	-	733,415	17
Individuals and Companies	(Gen.	Supt's ac	c't),	824,711	20
Road and Shop Stock on ha	nd Ja	n'y 1, 18	70,	407,854	00
			=	\$4,556,783	45

Respectfully submitted,

SAMUEL G. LEWIS,

Controller.

ANNUAL REPORT, 1869. ACCOUNTING DEPARTMENT—STATEMENT No. 1.

Cr. General Exhibit of Eurnings and Expenses of the Pennsylvania Railroad Company for the year ending December 31st.

				Passenger.	Freight.	Totals.
1869. TO AMOUNT OF EARNINGS FROM			1869. BY AMOUNT OF EXPENSES IN			
Freight at Stations, including Tolls on Individual Cars	\$12,932,656 8	80	Conducting Transportation, Passenger \$1,021,197 43	\$1,021,197 43		
		\$14,854,000 00	Conducting Transportation, Freight		\$2,482,595 14	\$2,482,596 14 \$3,503,792 57
First Class Passengers	3,500,071 06		Motive Power, Passenger	794,494 28		
Emigrant Passengers	131,065 93		Motive Power, Freight		2,884,700 87	8,679,195 15
Ехртсве	302,654 54		Maintenance of Cars, Passenger	461,148 21		
Carrying United States Mails	118.961 91	1 63 63 6	Maintenance of Cars, Freight		1,003,711 01	1,464,859 22
		4,002,100 44	Maintenance of Way, Passenger	836,392 03		
			Maintenance of Way, Freight		2,506,176 07	8,341,568 10
Rents	62,226 83		General Expenses, Passenger	63,463 12		
	03		General Expenses, Freight		160,389 44	213,852 56
Sanary sources		265,401 41	By amount of net proceeds to balance		1,152,459 78 8,895,084 85	6,047,544 13
	·	\$17,250,811 73	•	\$4,318,164 86	\$12,932,666 88	\$4,318,164 86 \$12,932,666 88 \$17,250,811 73

STATEMENT No. 2. Statement of Earnings and Expenses for 1869, showing the net Earnings for each month during the year.

				MONTH	TH.						-	GROSS EARNINGS.	EXPENSES.	NET EARNINGS.
January, .	٠		•			•						\$1,144,386 11	\$1,089,718 42	54,667 69
February, .	•	•	•	•	•	•	•	•			•	1,145,027 57	1,017,899 64	127,127 93
March, .	•	٠	•	•	•	•	•	•		•		1,418,349 21	1,041,205 22	377,143 99
April, .	•	•	•	•	•	•	•			•		1,544,859 49	1,051,330 75	493,528 74
May, .	•	•	•	•	•	•				•	•	1,529,682 74	1,042,220 08	487,462 66
June,	•	•	•	•	•				•			1,537,908 42	1,183,790 48	354,117 94
July,	•	•	٠	•							•	1,379,463 88	1,108,263 23	271,200 65
August, .	•	•	•	•		•		• ,				1,368,354 29	1,091,345 58	17,008 71
September, .	•	•	•	•	•							1,527,124 54	942,627 48	584,497 06
October, .	•	•	•			•	•				•	1,593,472 71	855,207 35	738,265 36
November, .	•	•	•	•	•	•		•				1,610,708 01	876,834 49	733,873 52
December, .	•	•	•								•	1,451,474 76	902,824 88	548,649 88
Totals,						.					<u> </u> _	\$17,250,811 73	\$12,203,267 60	\$5,047,544 13

STATEMENT No. 3.
General Statement of Earnings for the year 1869.

TOTALS.	12,932,656 88	\$12,932,656 88		3,500,071 06	131,065 93	181,995 00	120,659 54	118,961 91	\$4,052,753 44		62,226 83	203,174 68	\$265,401 41	\$17,250,811 73
DECEMBER.	1,097,383 11	\$1,282,179 8x \$1,097,383 11		270,775 91	5,893 93	15,700 00	14,100 91	9,994 35	\$319,465 10		4,762 34	29,864 31	834,636 55	\$1,431,414 16
NOVEMBER.	1,232,179 92			280,125 03	11,148 31	15,130 00	23,558 27	9,993 77	\$339,965 \$8		11,720 00	26,782 71	\$38,572 71	\$1,610,708 01
OCTUBER.	1,168,003 59	\$1,168,003 59		341,488 78	14,906 32	15,130 00	22,261 96	9,984 10	\$403,771.11		4,548 02	17,149 99	\$21,698 01	\$1,693,472 71
SEPTEMBER.	1,109,763 78	\$983,026 26 \$1,109,763 78		364,934 50	11,061 47	15,130 00		9,892 08	\$401,018 05		8,897 11	12,445 60	\$16,342 71	1 51,145,027 57 \$1,418,539 21 \$1,544,569 49 \$1,552,039 27 \$81,533,039 42 \$1,539,533,633 68 \$1,369,334 25 \$81,533,434 76 \$1,545,037,137 76 \$1,543,437 77 \$1,5
AUGUST.	963,026.26	\$983,026 26		831,900 18	12,827 39	15,130 00	1,509 90	9,891 77	\$371,259 24		6 771 34	7,297 55	\$14,068 79	\$1,368,334 29
JULY.	1,003,674 01	\$1,003,974 01		315,860 86	11,280 35	15,700 00	3,156 15	11 169'6	\$355 889 13		8,110 08	16,790 71	\$19,500 74	\$1,879,463 88
JUNE.	1,190,690 45	\$1,190,680 45		292,686 53	17,478 91	15,130 00	4,638 11	9,892 10	\$339,819 65		430 00	6,988 32	\$7,408 32	81,537,908 42
MAT.	1,159,564 04	\$1,159,564 04		291,989 32	18,262 60	15,130 00	6,729 58	9,891 77	\$342,003 27		11,276 57	16,838 86	\$28,115 43	\$1,529,623,18
APRIL.	1,170,555 39	\$1,052,587 80 \$1,170,555 39 \$1,159,564 04 \$1,190,680 46 \$1,003,974 01		316,467 39	12,744 72	15,130 00	7,020 43	71 169,6	\$361,254 81		825 00	12,224 79	\$13,049 79	\$1,544,869 49
MARCH.	1,082,587 80	\$1,082,587 80		279,347 85	9,010 13	15,655 00	5,318 13	9,849 13	\$319,180 24		5,263 26	11,317 91	\$16,581 17	\$1,418,349 21
FERRUARY.	FRG, 529 42	\$888,529 42		203,794 58	3,412 44	13,945 00	8,385 81	9,981 69	\$239,549 52		300 00	16,648 63	\$16,948 63	\$1,145,027 57
JANUARY.	846,709 11	\$846,709 11		210,701 18	3,015 36	15,085 00	20,919 29	9,807 61	\$259,588 44		9,263 36	28,825 20	\$38,049 56	\$1,144,396 11
CLASS.	FREIGHT EARNINGS. From Freight at Stations, .	Total Freight Earnings,	Passenger Earnings.	From First Class Passengers,	Emigrant Pussengers,	Adams & Co's Express,	" Add'nal,	United States Mails,	Total Passenger Earnings, .	MISCELLAMEOUS EARNINGS.	From Rents,	Sundry sources,	Total Miscellancous Earn'gs,	Total Earigs from all sources, \$1,14.

STATEMENT No. 4.—CONDENSED EXHIBIT OF MONTHLY EXPENSES.

Conducting Transportation, Motive Power, Maintenance of Cars, Maintenance of Way, and General Expenses for 1869.

	CONDUCTI	CONDUCTING TRANSPORTATION.	ORTATION.	¥ 	MOTIVE POWER.		MAINTI	MAINTENANCE OF CARS.	CARS.	MAINT	MAINTENANCE OF WAY.	WAY.	GENE	GENERAL EXPENSES.	1818.	
MONTH.	Passenger.	Freight.	Total.	Passenger.	Freight.	Total.	Passenger.	Freight.	Total.	Passenger.	Freight.	Total.	Passenger.	Freight.	Total.	TOTALS.
January, .	\$83,919 94	\$178,769 88	\$262,719 32	\$662,721 41	\$241,020 75	\$303,742 16	\$44,390 84	\$186,718 93	\$231,109 77	\$70,682 59	\$212,047 77	\$282,730 \$6	\$2,354.20	\$7,062 61	89,416 81	\$1,089,718 42
February, .	74,656 18	191,202 82	265,859 00	55,768 18	289,349 05	845,117 28	44,925 78	18,425 96	123,851 74	66,076 38	198,229 18	264,305 51	19 918'7.	14,449 62	19,286 16	1,017,899 64
March,	77,716 42	197,766 27	275,482 69	72,607 39	221,561 34	294,168 78	40,928 27	106,930 49	149,758 76	77,214 77	231,644 28	306,859 06	8,209 00	9,626 99	12,835 99	1,041,206 23
April	82,963 49	194,920 \$1	277,883 80	88,610 80	216,951 47	305,562 27	51,952 55	88,420 00	140,372 55	18,671 53	235,714 60	314,286 13	8,306,50	9,919 50	13,226 00	1,051,330 75
May,	80,631 63	192,298 20	272,929 88	18 1191	266,617 31	325,295 22	39,139 02	65,209 22	104,348 24	80,516 06	241,548 15	822,064 21	4,395 63	13,186 90	17,582 53	1,042,720 06
June,	91,567 68	232,072 38	323,640 06	57,738 75	251,460 44	309,199 19	46,591 43	68,354 85	117,046 28	102,117 80	306,353 38	408,471 18	9,388 44	19,150 33	17 889,88	1,183 790 48
July,	101,188 08	78 811,102	308,366 95	54,478 55	254,360 97	308,839 52	31,783 87	16,292 50	108,076 37	12 816,18	275,739 63	367,662 84	8,831 89	11,495 66	15,827 55	1,106,263 23
August,	89,091 79	201,850 15	290,941 94	75,420 51	234,501 00	309,921 51	35,761 27	18 449'06	126,306 08	87,316 05	261,948 14	349,264 19	3,727.96	11,185 90	14,911 86	1,001,845 58
September,	82,188 98	\$21,394 28	303,583 26	100,162 06	210,108 25	810,270 81	81,105 28	68,076 91	99,182 19	52,813 80	158,441 40	211,255 20	4,584 13	13,752 39	18,336 52	942,627 48
October, .	89,581 72	203,425 59	293,007 31	55,763 42	201,680 03	257,413 44	18 616,98	60,768 56	97,748 43	48,227 54	144,682 61	192,910 15	8,524,50	10,573 62	14,098 02	865,207 86
November, .	84,683 12	219,292 05	11 516,508	63,962 94	239,908 75	293,871 69	35,644 36	62,827 29	98,471 65	41,464 44	124,393 37	165,867 81	3,664 54	10,993 63	14,658 17	876,834 49
December, .	82,978 35	242,424 84	\$25,403 19	58,582 36	257,181 52	315,763 88	22,486 73	46,600 43	69,067 16	38,477 86	116,433 61	153,911 47	9,664 79	28,994 39	88,659 18	902,824 88
Totals, .	1,021,197 48	Totals, . 1,021,197 48 2,432,595 14 3,503,792 57	3,503,792 57	194,494 28	2,884,700 87 3,679,193 15	3,679,195 15	463,689 27	,001,169 95	,001,169 95 1,464,859 22	835,392 03	2,506,176 07 8,841,569 10	3,341,563 10	53,463 12	160,389 44	213,852 56	12, 203, 267 60

ACCOUNTING DEPARTMENT—STATEMENT No. 5.

Expenses of the Transportation Department, Pennsylvania Railroad Company, for the year ending December 31, 1869.

HEADS OF ACCOUNTS.	CONDUCTING TR.	CONDUCTING TRANSPORTA- TION.	MOTIVE POWER.	POWER.	MAINTENANCE OF CARS.	Z OF CARS.	MAINTENAN	MAINTENANCE OF WAY.	GENERAL EXPRISES.	EXPENSES.	TOTALS.
	Passenger.		Freight. Passenger.	Freight.	Passenger.	Freight.	Passenger.	Freight.	Passenger.	Freight.	
Advertising	\$23,354 91	\$375 15 60 151							\$2,237 21	\$6,711 64	£32,678 91
Attendants	00,000								1.266 58	3.789 72	5.066 30
Baggage Masters	46,159 35						20 010 004	20 002 000			46,159 35
Endast. Brakemen	67 183 16	493.538.21					o ole, cz	423,102 00			560.721 37
Bridges, Repairs of		•					123,041 52	369,124 53			402,166 05
Car Furniture and Fixtures	23,144 34	37,141,78				•					60,286 12
Car Sheps and Sheds, Repairs of	10,003 5.0		10 150 05		\$7,756 48	\$14,269 61					19,026 09
Care Cleaning and Inspecting	63.790 41	_	67 472 S6								131 263 27
Cars. Retains of Ballast and Wood.		:			1.142 41	3,427 36					4,569 77
Cars, Repairs of Freight.						961,286 24					961.286 24
Cars, Repairs of Passenger and Baggage.					450,394 92						450.394 92
Cars, Road and Hand							7,483 62	22,450 SS			29,934 60
Chairs							32,781 34	98,344 OT			131,125 41
Clerks.	43,254 97	178,891 52	0 0 000	04 029 4024			2,530 69	7,592 08	12,455 22	37,365 63	282,090 11
Conductors	62 105 22	181 010 58	\$02,0,8 69		\$305,430 Tb						008,129 45
Catton Waste	3	- 3	4.862.31	17.057.80							21 920 11
Cross-Ties.							66.170 30	198.510 86			264.681 16
Desputchers	19 978 90	62,352 87									82,331 77
Drawbacks and Overcharges	2,679 99	154,406 73									157,086 72
Engineers and Firemen			113,626 85	81 COC 817	448,000 78			:			562,536 63
Tables Repairs of			98 261 85	89 282 166							
Expenses of Stations, except Labor.	6,607 41	39,644 58									
Expenses of Grain Elevator	į	382 33									
Expenses on Property							8,258 39		24,775 25		
Foreign Agencies	129,910 41	62,957 76						į			
Foreman and Watch Houses, Repairs of							10,565 92	31,607 72			
Frogs							9,337 16			•	37,348 69
' Fuel and Light					***************************************				10 707	818 48	

Test for Stores, at Engine Houses and Shops Incidentals Iron Rails					*						
bodentals from Rails abor et Stations			8,576 61	10,729 89	250 43	151 28	10 101	00 KAR 00	10 098 78	88 RM 84	
	18,441 99	47,806 79	11,683	84,740 78	1,102 87		192,031 79	676,096 43	20041		768,127 22
	70 104 07	150 222 08							******************	***************************************	
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	10 20117	200404	56.941 61	170,824 96		-		***************************************			
Line of Chatlene	14.821 48	10.604 12					***************************************				
	8,498 10	5.406 41							***************************************		
Light lot Carlina and Righted			7,986 15	23,958 68	•			••••••••••			
Locomotives Beneirs of				991,561 85.							
Loss and Damage		56,370 66				:			•		
Toss from Inincies to Individuals	24,157 92			-		:					
Mail Expenses	4.233 97			1					2.724.88	8.174.66	
Office Expenses		***************************************									59.742 11
	-		11,684 22	48,007 89			1 410 89	4 940 80			
Oil. Tallow, Sponge, Wool, &c	11,220 48	61,209 28					00 ora-1	DO ORWIE			
Powelton Extate	-			-			:		274 27	822 75	1,097 02
Real Estate in Philadelphia	•							OOR OOK 78			
Road Renairs of Labor ".	-		,				200	20,000			
Road Renairs of "Materials".	-	-			-			00 F18 70T	17 0AR R1	61 199 99	
Salaries of President and other Gen 1 Officers.	-			-		-		16 995 41	3		
	-			-		:	7 950 47	91 888 79			
Spikes					-	:		1,000	1871.86	6 624 44	
Stationery and Printing.	24.908.30	52,840 92	1,762 14	5,288 57	-	:			7,00 F	-1	
Stations Renairs of Rent and Furniture	74,356 88	108.474 22.	,	-				90 402 00			
Superintendence and Supervisors	6,938 75	20,816 26	-		-	:	6 517 9	10,451,60			
Switches	-	***************************************		:		:::::::::::::::::::::::::::::::::::::::		00 100'41			
Switchmen	-		13,047 92	29,143 91	-						
Tallow			0,782 37								
Tax on Depots	9,612 82	28,862 12.		:					1.440 80	4.822 41	
Tax, United States Excise	93,529 64			:						***************************************	
Fax, Tonnage (State)		98,80						***************************************			
lax, State Rovenue	30,400 00	07.070,08	5 018 07	17.844.25							
Taxes on Engine Houses and Shops	<u> </u>		5 52.6				4,198 54	12,596 69	948 12	2,829 39	
Taxes on Real Estate for Road		100 195 09									108,721
Teaming	00 00										
Telegraph Expenses	Š						6.279 14	18,887 46		***************************************	
Telegraph, Repairs of			87 88A 71	112 010 87	6.042.66	18.128 16	12,607 51	87,822 49			
Tools and Machinery, Kepairs of	90000	40 500 67	300			-				***************************************	
:	22.089 00	20,000 00									
	0,111,00	4 623 04						***************************************			
Tolls, Ebensburg and Cresson Rall Road	1.400 02	10 0 C								***************************************	
Tolls, Millin and Centre County Islamway	20 01# #	60.00			_				***************************************		
Tolls, Philadelphia City Rail Road		10 111			_			***************************************		***************************************	

STATEMENT No. 5—Continued.

HEADS OF ACCOUNTS.	CONDUCTING TRANSPORTA- TION.	FRANSPORTA-	MOTIVE POWER.	POWER.	MAINTENANCE OF CARS.	CR OF CARS.	MAINTENAN	MAINTENANCE OF WAY.	GENERAL EXPENSES.	XPENSES.	TOTALA
	Passenger.	Freight.	Passenger.	Freight.	Passenger. Freight. Passenger. Freight. Passenger. Freight.	Freight.	Passenger.		Passenger.	Freight.	
Tolls, Tyrone and Clearfield Rail Road	\$1,663 92	\$4,991 76						166,18			\$6,665 68
Tolls, Western Pennsylvania Rail Road	31,349 65	96,018 37						96,018 57			130.368 02
Tolls, Pittsburgh, Cin. and St. Louis R. R	9,661 31	21,353 90						21,353.90			81,016 21
Tolls, Columbia Bridge Company	95 40	3						3			36.50
Tolls, Junction Rail Road		22,027 60		•				22,027 60			22,027 60
Truck, Labor Repairing			00 000								605,086 77
Water, Wood and Coul Stations, Repairs of			5.487 51	~	16.462 72		62,903 53		98,710 bd		
". Expenses of							•	23,822 06			31,762 60
Wood, and Labor, Preparing								81,957 44			
Totala	1,021,197 43	2,482,595 14	194,494 28	2,884,700 87	\$163,689 27	\$1,001,160 95	835,392 03	794,494 28 2,884,700 67 \$463,689 27 \$1,001,109 65 835,302 03 2,504,176 07 \$63,463 12 \$160,389 44 12,203,267	\$53,463 12	\$160,389 44	12,203,267 60

RECAPITULATION.

	PASSENGER.	PRESCRIT.	TOTALS.
Conducting Transportation Motive Power. Maintenance of Cars Maintenance of Way General Expenses	\$1,021,197 43 794,494 28 463,689 27 835,392 03 63,463 12	\$2,482,595 14 2,884,700 87 1,001,169 95 2,606,176 07 160,389 44	\$3,503,792 57 8,679,195 15 1,464,859 22 8,341,568 10 213,852 56
Totals	3,168,236 13	9,035,031 47	12,203,267 60

ACCOUNTING DEPARTMENT—STATEMENT No. 6.

Expenses of Engines, Philadelphia Division.

AVERAGE COST PER 100 MILES.

CLASS.	Repairs.	Fuel.	Stores.	Total.
Passenger Engines	8·14	5·16	1·04	14·34
	3·25	4·79	1·11	9 15
	11·39	7 83	1·15	19·87

STATEMENT No. 7.

Expenses of Engines, Middle Division.

AVERAGE COST PER 100 MILES.

CLASS.	Repairs.	Fuel.	Stores,	Total.
Passenger Engines Distributing " Freight "	5·39	4·12	·84	10-35
	4·65	5·97	1·04	11-66
	9·49	8·37	1·08	18-94

STATEMENT No. 71.

Expenses of Engines, Tyrone Division.

AVERAGE COST PER 100 MILES.

CLASS.	Repairs.	Fuel.	Stores.	Total.
Passenger Engines	2·68	4·15	-71	7·54
	2·18	9·42	1-07	12·67
	7·10	7·97	-88	15·95

STATEMENT No. $7\frac{1}{2}$,

Expenses of Engines, Pittsburgh Division.

AVERAGE COST PER 100 MILES.

CLASS.	Repairs.	Fuel.	Stores.	Total.
Passenger Engines Distributing " Freight "	17-40	5·25	1·04	23 69
	3-98	5·13	·98	10:09
	13-36	8·75	1·62	23:73

STATEMENTS Nos. 8 and 11.

ACCOUNTING DEPARTMENT.

Abstract of Passengers and Miles traveled on the whole line of Road and Branches during the year.

1869.	Individual Passengers.	Miles Traveled.	Average Distance.	Equivalent Through Passengers.
First Class Passengers, .	3,131,476	127,284,786	40.6	358,518
Emigrant "	28,756	9,797,838	340.7	27,600
Coupon "	1,069,131	7,646,028	7.2	21,538
	4,229,363	144,728,652	34.2	407,686

ACCOUNTING DEPARTMENT—STATEMENT No. 12. Freight Earnings of the Pennsylvania Railroad for the year 1869.

					Total.
Philadelphia to Pittsburgh, .					\$1,408,024 77
Philadelphia to Way Stations,					771,792 81
Way Stations to Philadelphia,					3,437,782 85
Pittsburgh to Philadelphia,					2,232,915 70
Pittsburgh to Baltimore, .					204,120 64
Pittsburgh to Way Stations,					1,124,837 21
Way Stations to Pittsburgh,					820,499 05
Baltimore to Pittsburgh,					158,329 27
Local—Eastward,					2,116,553 16
" Westward, .					657,801 42
Total Freight Earn	ing	в,			\$12,932,656 88

Information from Record Books, Accounting Department.

Tons of Through Freight East-	470,923	Mileage of Through Freight, East-	168,590,486
Tons of Through Freight West-	233,243	Mileage of Through Freight, West-	83,500,653
Tons of Local Freight, Eastward, Tons of Local Freight, Westward,		Mileage of Local Freight, Eastward, Mileage of Local Freight Westward,	401,674,981 98,945,192
Total Tons Moved	4,992,025	Total Mileage	752,711,312

REPORT

OF THE

GENERAL SUPERINTENDENT

OF THE

PHILADELPHIA & ERIE RAILROAD

(PENNSYLVANIA RAILROAD CO., LESSEE.)

Office Gen'l Superintendent.

ERIE, PA., January 1st, 1870.

To the President and Directors of the

Pennsylvania Railroad Company.

GENTLEMEN:—The business of this road, for the year ending December 31st, 1869, has been as follows:

GROSS EARNINGS.

-	-	-	-	\$2	2,507,	082	93				
-	-	-	-		672,	964	46				
-	-	-	-		24,	616	67				
-	-	-	-		31,	327	51				
-	-	-	-		26,	713	72				
								\$3	,262,	705	29
		E	XPE	NSE	s.						
Trans	porta	tion,		- ;	\$671,	60 6	07				
er, -	-	-		-	749,	641	82				
e of ${\mathbb N}$	7ay,	-		-	733,	415	17				
of Ca	ars,	-		-	213,	546	07				
	·			_				\$2	,368,	20 9	13
Earni	ngs,	-	-		-	_		- \$	894,	496	16
	0 .	nings	paid	P	. & E.	R.]	R. C	lo.,	956,	009	12
to Pe	nnsyl	vania	Ra	ilro	ad Co	omp	any	,	61,	512	96
	er, - e of W e of C Earni cortion	Transporta er, e of Way, e of Cars, Earnings, cortion earn	ETransportation, er,	EXPERITATION, er,	EXPENSE Transportation, - : er,	672, 24, 31, 26, EXPENSES. Transportation, - \$671, er, 749, e of Way, 733, e of Cars, 213, Earnings, cortion earnings paid P. & E.	EXPENSES. Transportation, - \$671,606 er, 749,641 e of Cars, - 213,546 Earnings,	24,616 67 31,327 51 26,713 72 EXPENSES. Transportation, - \$671,606 07 er, 749,641 82 e of Way, - 733,415 17 e of Cars, - 213,546 07 Earnings,	672,964 46 24,616 67 31,327 51 26,713 72 - 26,713 72 - 38 EXPENSES. Transportation, - \$671,606 07 er, 749,641 82 e of Way, - 733,415 17 e of Cars, - 213,546 07 - \$2 Earnings, \$2	672,964 46 24,616 67 31,327 51 26,713 72 - 26,713 72 - 33,262, EXPENSES. Transportation, - \$671,606 07 er, 749,641 82 e of Way, 733,415 17 e of Cars, - 213,546 07 - \$2,368, Earnings, \$894, Fortion earnings paid P. & E. R. R. Co., 956,	672,964 46 24,616 67 31,327 51 26,713 72

The Philadelphia & Erie proportion of earnings is as follows: - \$3,262,705 29 Gross Earnings, - - -Less U.S. Tax on Pass. and Mails, \$17,439 53 " State " - 24,292 58 " Tonnage Tax, - 9,838 92 " Drawbacks and Overcharges, - 23,693 71 " Am't due Lewisburg C. & S. C. R. R., 743 50 76,008 24 \$3,186,697 05 Thirty per cent. of which is -956,009 12 The earnings and expenses of 1869, compared with those of 1868, are:

1869. 1868.	Earnings, \$3,262,705 29 2,804,250 36	Expenses. \$2,368,209 13 2,067,001 06	Net Earnings. \$894,496 16 737,249 30
Increase.	458,454 93	301,208 07	157,246 86

And in detail are:

EARNINGS.

	Freight.	Passenger.	Mails.	Expresses.	Incidentals.
1869.	\$2,507,082 93	\$672,964 46	\$24,616 67	\$31,327 51	\$26,713 72
1868.	2,101,613 98	631,437 59	21,518 04	30,954 33	18,726 42
Increase	. \$405,468 95	\$ 41,526 87	\$3,098 63	\$373 18	\$7,957 30

EXPENSES.

	Cond'g Trans.	Motive Power.	Main. of Way.	Main. of Cars.
1869.	\$671,606 07	\$749,641 82	\$ 733,415 17	\$213,546 07
1868.	610,774 32	677,028 49	600,284 40	178,913 85
Increase	60,831 75	\$ 72,613 33	\$133,130 77	\$ 34,632 22

The gross earnings are equal to \$11,344 59 per mile of main track, and exceed those of 1868 16_{100}^{3} per cent, of which 1_{100}^{9} per cent. is due to passenger traffic, chiefly from emigrant travel, and the remainder, 14_{100}^{4} , from freight business. The expenses are 72_{100}^{6} per cent. of the earnings against 73_{100}^{7} per cent. in 1868.

MAINTENANCE OF WAY.

In this department the expenses have increased \$133,130 77 over those of 1868, and amount to \$733,415 17, equal to \$2,546 58 per mile of road.

The operations of the department have progressed regularly, although the season has been short and unfavorable. The work of ballasting has been continued, and nearly 48,000 yards of gravel and broken stone placed under the track. At several points on the hill-sides the alignments have been corrected, and curvatures lessened.

The chief increase in expense has been for renewals of rails, amounting to \$87,019 55.

4,806 tons of new and re-rolled iron have been laid in the main track, and 334 tons of steel and steel-headed rails laid in yards and on bridges.

Under the increasing tonnage, the wear of the original iron has rapidly increased, and the quality of the re-rolled iron used for renewals is not so good as the original rails.

The following quantities of material have been used during the year, viz.:

		Eastern Division.	Middle Division.	Western Division.	Total.
Tons Iron Rails, Construc	604	138	264	1,006	
" " Renewal	s	1,607	1,640	1,559	4,806
Tons "Steel Headed Rails	s, Renewals, .	77		199	276
41 41 41 41	Construction,	4			4
" Steel "	Renewals, .		58		58
Pounds Spikes,	" .	19,045	32,440	31,440	82,925
""	Construction,	47,660	7,950	15,824	71,434
No. Chairs,	41	291	358	1,050	1,699
	Renewals, .	842	60	803	1,705
" Stop Chairs,	"	7,254	4,405	7,483	19,142
Sets Iron Splices,	44	7,140	5,661	7,806	20,607
	Construction,	364	266	8	633
" Wooden Splices,	**		110		110
	Renewals, .		94	3,281	3,375
No. Cross-ties,	" .	25,258	48,599	30,449	104,306
	Construction,	17,883	3,541	4,042	25,466
Sets Switches,	"	46	5	9	60
	Renewals, .	9	4	15	28

The Roadway and Bridge Material account is as follows:

The exte	nsion of	sidings	has beer	10_{1000}	mil	es, as foll	
Sunbury,	-	-	-	-	-	-	7,383
Kapps,	-	-	-	-	-	-	1,000
Lewisburg	Freight	House,	-	-	-	-	1,089
Catawissa 3			, -	-	-	_	3,459
Dewart Fre	eight H	ouse,	_	-	-	-	175
Muncy,	-	-	-	-	-	-	1,225
Williamspo	rt,	-	-	-	-	-	2,214
Newberry,	•	-	-	-	-	-	128
Wayne,	-	-	-	-	-	-	2,062
Lock Have	en,	- ·	-	-	-	-	7,272
Graham's	-	-	-	-	-	-	1,130
Ferney,	-	-	-	-	-	-	4,242
Whetham,	-	-	-	-	-	-	282
North Poir	ıt,	-	-	-	-	-	2,010
Renovo, 2,	764 laid	, 300 tal	ken up,	-	-	-	2,464
Howard's,	-	-	-	-	-	-	2,048
St. Mary's	, -	-	-	-	-	` -	210
Whistletow	'n,	-	-	-	-	-	300
Wilcox Ta	nnery,	-	-	-	-	-	1,426
Kane,	-	-	-	-	-	-	1,725
Tiona,	-	-	-	-	-	-	646
Pattonia,	-	-	-	-	-	-	998
Ott's,	-	-	-	-	-	-	1,271
Garland,	-	-	-	-	-	-	191
Garcelone,	-	-	-	-	-	-	210
Union,	-	-	-	-	-	-	2,562
Erie O. D.	, -	-	-	-	-	-	3,691
Ęrie Lake	Depot,	5,177 lai	id, 231 t	aken up,	, -	-	4,946
Or, 10_{100}^{674}	miles.					•	56,359
Length of	Main T	rack in	use is, -	-	-	287_{1000}^{510}	miles.
"	Sidings		· -	-	-	86_{1000}^{558}	. "
"	Private	Sidings	in use is	3 -	-	11_{1000}^{947}	"
Total leng	th of tr	ack in u	se, -	-	-	386_{1000}^{015}	. " =

The repairs of bridges are also in excess of last year, an amount of \$42,661 08.

Queen's run bridge, of 975 feet total length, has been renewed with a Howe truss, and raised 3½ feet: the previous water-way being insufficient.

Youngsville, Le Boueff and Portage bridges, 500 feet total length, rebuilt.

Bald Eagle and Warren completed, and, with Union bridge, are now in process of covering.

Montgomery and Williamsport bridges proving too light under the heavy traffic, have been arched.

The total renewals amount to 1,682 feet of Howe truss; 287 feet of trestle and stringer bridges; and 2,500 feet of superstructure arched.

At Warren, the new brick station-house, for freight and passengers combined, has been completed and placed in service.

The stock yards at Erie were commenced this fall, and are nearly completed. Arrangements have been made with the city for requisite supply of water. Smaller yards have been built at Sunbury and Youngsville for local accommodation.

At the Erie docks, shutes have been built for transfer of coal from car to vessel on the smaller pier, which has been extended 200 feet. The rock bottom of the intermediate slip has been blasted to a depth of 14 feet, giving a channel from thirty to sixty feet wide for 2,175 lineal feet of wharf room.

CONDUCTING TRANSPORTATION.

This account stands on the books of the Company at \$1,627,615 19, including \$956,009 12 due Philadelphia & Erie Railroad Company on lease, deducting which, leaves \$671,606 07, equal to 28_{130}^{3} per cent. of the expenses.

The increase in freight tonnage is 34 per cent. over that of 1868; but the rates, to meet competition, have been reduced, so that the increase in revenue is only 19_{10}^{3} per cent., both nearly in the same proportion as for the preceding year.

The comparative movements of	loaded	cars passing Renovo
and Kane are:		

		1869.	1868.	Increase.
Renovo	, Eastward,	37, 052	30, 250	6,802
"	Westward,	24,441	$13,\!21\dot{6}$	11,225
Kane,	Eastward,	33,961	26,435	7,526
"	Westward,	$26,\!454$	16,917	9,537

The excess of eastward cars at Renovo, and of westward cars at Kane, represent the respective lumber and soft coal shipments from the Middle Division.

The total increase of westward cars for the year is chiefly in anthracite coal, the shipments of which, to Erie for lake trade and to local stations on the Western Division, amount to over 130,000 tons, giving an increase in gross earnings of over \$200,000. The dock facilities at Erie are now ample, and the trade should continue to increase, although it cannot be expected to maintain the same ratio.

The shipments of grain and other western produce, both by lake and rail, have largely increased, but at rates that left but a small margin of profit.

The completion of the yards at Erie, for the transfer of stock from western roads in connection with the already well-established local trade to the anthracite coal region, should enable this line to secure a large proportion of the supply for that market, as well as a fair share of through business to eastern cities.

The local business, in all departments, shows a moderate increase, attesting the satisfactory developments of the country traversed by the line.

In comparison with the previous year, the total tonnage moved one mile was 175,002,844 against 130,601,092 in 1868, equivalent to 607,649 tons over whole line of road.

PASSENGERS CARRIED ONE MILE.

			1869.	1868.	Increase.
Passengers,	-	-	25,044,18 2	23,433,777	1,610,405

Equivalent to 86,959 over whole line of road.

The average distance traveled by each passenger was 38_{100}^{46} miles.

MOTIVE POWER.

This account is charged with \$749,641 82, an increase of \$72,613 33 over 1868.

The mileage has increased 13 per cent., and the total cost per mile run is 33 cents against 33_{10}^{6} in 1868.

Fifteen new freight engines have been added to the stock this year, by purchase, and three passenger engines built at Renovo to fill vacancies; three of the older class condemned and broken up.

The extension of the Renovo machine-shop, mentioned in last year's report, was placed in service in February, and several important tools added to the stock of machinery.

The plan of centering all important repairs at Renovo has been adhered to with satisfactory results in economy of repairs and uniformity of plans.

The round-houses at Renovo and Kane, both common points for the engines of two divisions, are insufficient for proper shelter, and should be extended.

The tables annexed give the operations of the department in detail.

LOCOMOTIVES.

In good order,		-	-	-	-	65
running order,		-	-	-	-	22
bad order,		-	-	-	-	9
shops for general repairs,		-	-	-	-	8
" rebuilding,		-	-	-	-	2
Cut up, to be replaced by new engin	es,	-	-	-	-	3
On Daguscahonda R. R., in bad ord	ler,	-	-	-	-	1
Total		_	_	_		110
70001					_	

MILES RUN.

				Passenger.	Freight.	Distributing.	TOTAL.
Eastern D	ivision,	-	-	177,339	521,212	32,303	730,854
Middle	44	-	-	131,102	627,184	24,823	783,109
Western	"	-	-	166,007	558,427	35,459	759,893
	1869,	-	-	474,448	1,706,823	92,585	2,273,856
	1868,	-	-	472,420	1,448,037	92,405	2,012,862
	260,994						

Greatest Mileage with Passenger Trains.

Eastern	Division,	Engine	1014,	-	-	-	40,083	miles.
\mathbf{M} iddle	u	"	1002,	-	-	-	34,075	"
Western	"	"	1003,	-	-	-	33,165	"

Average Mileage with Passenger Trains.

Eastern	Division,	-	-	-	-	-	-	25,334	miles.
$\mathbf{M}\mathbf{iddle}$	"	-	-	-	-	-	-	26,220	"
Western	"	_	-	-	-	-	-	23,715	"

Greatest Mileage with Freight Trains.

Eastern	Division,	Engine	1041,	-	-	-	30,463	miles.
Middle	"	"	1051,	-	-	-	30,761	"
Western	"	"	1094,	-	_	-	29,638	"

Average Mileage with Freight Trains.

Easte	rn Divis	ion, -	-		-	-	23,646	miles.
Midd	le "	-	-		-	-	25,087	"
West	ern "	-	-		-	-	23,268	u
Total	average	mileage	with	passenger	trains,	-	24,971	"
"	" Č	u Č	"	freight	"	-	24,040	"
				_				

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COST OF REPAIRS, FUEL AND STORES.

			Repaire	١.	Fuel.		Stores	•	Total.	
Eastern D	ivision,	•	\$63,645	19	\$ 56,585	81	\$8,919	99	\$129,150	99
Middle	"		68,151	11	60,251	54	11,311	04	139,713	69
Western	**		75,389	64	65,550	29	9,717	96	150,657	89
	1	869.	207,185	94	182,387	64	29,948	99	419,522	57
	1	868.	214,108	11	150,674	84	23,164	4 8	387,947	43
Increase,					31,712	80	6,784	51	31,575	14
Decrease,			\$6,922	17						

Total Average Cost per 100 Miles Run.

	Repairs.	Fuel.	Stores.	Total.
Eastern Division,	8.64	7.78	1.21	17:63
Middle "	8.63	7:69	1.46	17.78
Western "	10.06	8.58	1.27	19-91
Entire road, Total Av'ge.	9:11	8:02	1:31	18:44

Comparative Statement of Average Cost per 100 miles for the past five years.

	Repairs.	Fuel.	Stores.	Total.
1865.	16.45	15:35	2.40	34.20
1866.	14.29	12:67	1.67	28.63
1867.	11.87	9.92	1.30	23.09
1868.	10.64	7.49	1·15	19.28
1869.	9.11	8.02	1.31	18.44

Amount of Material on hand at the different Shops.

				Dec. 31, 1868.	Dec. 31, 1869.	Increase.	Decrease.
Sunbur	у, .			\$28,304 56	\$19,501 30		\$8,803 26
Renovo	, .			129,260 25	137,217 51	\$ 7,957 26	
"	Iron Fo	undr	у, .	660 15	537 26		122 89
44	Brass	**		1,880 33	342 20		1,538 13
**	Wheel	"		25,558 11	29,963 08	4, 404 97	
**	Oil Wo	rks,		16,311 97	11,191 91		5,120 06
Kane,				24,718 65	27,269 85	2,551 20	
Erie,			•	27,397 15	30,088 53	2,691 38	
				254,091 17	256,111 64	17,604 81	15,584 34
					net	2,020 47	

The Consumption of Fuel, during the year, was as follows:

							Cords of Wood.	Net Tons Coal.
Eastern D	ivision,						2,743·3	22,062
Middle	"			•			1,545.3	26,513
Western	"	•				•	2,593.6	27,098
Consumed	by Locoi		•	·	•	•	6,882.4	75,673 6,341
							7,043:1	82,014

The Stock on hand, December 31st, 1869, was as	3 follows:
--	------------

						Cords of Wood.	Net Tons Coal.
Eastern Division,		•				896.7	1,022
Middle "			•	•		800.3	1,209
Western "	•		•		•	501.5	1,101
						2,198 7	3,332

MAINTENANCE OF CARS.

This account, amounting to \$213,546 07, represents the total car repairs, of which \$202,100 23 is due to passenger and freight stock, and the remainder, \$11,445 84, to repairs, ballast and wood-cars, car-shops, sheds, etc.

The following tables will show the condition of the rolling-stock.

PASSENGER EQUIPMENT.

	On hand Dec. 31, 1869.	Built at Renovo.	Total.	To be Rebuilt.	In Shops for slight Repairs.	Total in actual Service.
Passenger Cars,	50		50	8	3	39
Baggage "	15		15	6		9
Express "	6		6		2	4
Total,	71		71	14	5	52

FREIGHT EQUIPMENT.

		On hand Dec. 31, 1868.	Built by Con- tract.	Built at Renovo.	Built at Kane.	Total.	Other service.	To be Rebuilt.	In Shope for slight Repairs.	Total in sotual service.
Box Cars, .		412	100	94	43	649	46	30	17	556
Gondola Cars, .		1,039	200			1,239	25	43	32	1,139
Stock Cars, .		47	53			100			1	99
8-wheel Coal Ca	ırs, .	30				30		1		29
4-wheel "	٠.	40				40	• •	3		37
		1,568	353	94	43	2,058	71	77	50	1,860

IN MAINTENANCE OF WAY DEPARTMENT.

111	MINITALL	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	01 1111	DILLI	1 1111111		
Box Cars,	-	-	-	-	-	-	15
Gondolas,	-	-	-	-	-	-	52
Dumps,	-	-	-	-	-	-	62
Hand Cars,	-	-	-	-	-	-	80
" Trucks	3, -	-	-	-	-	-	86
Derrick Cars	, 4-wheel,	, -	-	-	-	-	6
u u	8-wheel,	-	-	-	-	-	3
			Total,	-	-	-	304
•		RECA	PITULATIO	on.			
Passenger Ca	ırs,	-	-	_	-	_	50
Baggage	"	-	-	-	-	-	15
Express	"	-	-	-	-	-	6
Freight	"	-	-	-	-	-	2,058
Maintenance	of Way,	-	-	-	-	-	304
	,						

MISCELLANEOUS.

Total number of Cars, - -

The following exhibits show in detail the absolute operations of the past five years:

Exhibit of Passenger Traffic during the past five years.

Passer	Passengers moved one mile.	ved one	Receipts.	σį.	Expenses.	es.	Net Earnings.	ings.
T_0	Total.	Per Engine Mile.	Total.	Per Passenger per Mile.	Total.	Per Passenger rer Mile.	Total.	Per Passenger per Mile.
27,4	27,455,422	61	\$983,668 53	3 683	\$730,993 88	2 662	\$252,674 65	920
23,3	23,310,330	46	793,012 50	3402	715,830 24	3,071	77,182 26	1000
21,0	21,096,850	41	698,073 35	3,309	640,232 49	$3_{\bar{1}0\bar{0}\bar{0}}$	57,840 86	$\frac{274}{1000}$
23,4	23,433,777	47	699,074 19	2,983	547,388 11	2336	151,686 08	1000
25,0	25,044,182	20	752,007 06 3_{1000}^{902}	3,002	554,881 76	$2^{\frac{216}{1000}}$	197,125 30	1000
				_				1

Exhibit of Freight Traffic during the past five years.

		Tons moved one mile.	ne mile.	Receipts.	zi.	Expenses.	ģ	Net Earnings.	ngs.
	Mileage.	Total.	Per Engine Mile.		Per Ton Per Mile.		Per Ton per Mile.		Per Ton per Mile.
1865	573,524	32,123,218	56,01	56 ₁₀₀ \$1,053,812 86 3 ₁ 000	3,280	\$991,053 87	$3 \frac{085}{1000}$	\$62,758 99	19.K 1000
1866	926,486	66,736,892	72_{100}^{03}	1,696,456 63	2_{1000}^{542}	72_{100}^{93} 1,696,456 63 2_{1000}^{542} 1,319,561 63	1,977	376,895 00	565 1000
1867	1,094,637	80,574,068	$73\frac{61}{100}$	1,575,809 92	1_{1000}^{956}	1,575,809 92 1_{1000}^{956} 1,310,763 70	1_{1000}^{627}	265,046 22	329 1000
1868	1,517,710	1868 1,517,710 130,601,092	$86\frac{0.5}{100}$	2,052,622 35	$1\frac{57^{2}}{1000}$	2,052,622 35 $1\frac{570}{1000}$ 1,467,059 13	$1\frac{123}{1000}$	585,563 22	1000
1869	1,779,224	1869 1,779,224 175,002,844		2,453,744 85	1_{1000}^{402}	98_{100}^{36} 2,453,744 85 1_{1000}^{402} 1,756,373 99 1_{1000}^{98}	$1\frac{003}{10000}$	697,370 86	399

Exhibit of the Total Working of the Road during the past five years.

		Propor Mile	Proportion of Mileage.				Per cent.	Philodolphia &	Pennsylvania
	Mileage.	Pass'gr.	Pass'gr. Freight.	Receipts.	Expenses.	Net Earnings.	Cost of working Road.	Net Earnings. Cost of Tringcerium Ra Working Road.	Railroad Com- pany's Loss.
1865	1865 1,022,828 43.9	43.9	L	\$2,037,481 38	56-1 \$2,037,481 39 \$1,722,047 75 \$315,433 64	\$315,433 64	843	\$598,708 00 \$283,274 36	\$283,274 36
1866	1866 1,429,110 35.2	35.2		2,489,469 13	64.8 2,489,469 13 2,035,391 87 454,077 26	454,077 26	82	732,738 80	278,661 54
1867	1867 1,604,826	31.8	68.2		2,273,883 27 1,950,996 19 322,887 08	9 322,887 08	85}	677,239 51	354,352 43
1868	1868 2,012,862	24.6	75.4	2,751,696 5	2,751,696 54 2,014,447 24 737,249 30	4 737,249 30	73	820,423 95	83,174 65
1869	1869 2,273,856 21.8	21.8		3,205,751 9	78.2 3,205,751 91 2,311,255 75 894,496 16	5 894,496 16	7.5	956,009 12	61,512 96
	_		_	_			_		

The influx of travel to the oil region, in 1865, swelled the passenger receipts of that year, since when they have been drawn chiefly from local sources, and not remunerative. The development of the country will gradually remedy this; but the bulk of the net resources, and any resulting profit to the Lessee, must be derived from freight traffic.

The tonnage of the road shows a constant and legitimate increase from both through and local sources. Although the rates of freight have, by competition and lowering markets, been yearly reduced till now far below an average, yet the cost of transportation by the enlargement of the business and decrease of unprofitable mileage has met the reduction so that the net results, per ton, remain nearly the same.

The effect of the western coal trade in balancing the eastern tonnage, is shown by the increase in tons of freight hauled to the engine mile from 56, in 1865, to 98, in 1869.

During the season of lake navigation, the road-bed has been taxed to the utmost capacity, to remove the traffic. At all the grades where assistant power is used, the needs of double-track were severely felt, and cannot, with a proper regard to safety and economy, be longer deferred.

The Lewisburg Branch, 1_{10}^{6} miles long, was opened July 23d, and has since been operated by this Company.

The Danville, Hazleton & Wilkesbarre Railroad was opened on November 18th, from Sunbury to Danville. The extension of this road to the Black Creek region will open another source of coal supply.

Mr. John Pitcairn, Superintendent Middle Division, resigned on July 1st, to assume the more responsible position of General Manager of the Oil Creek & Alleghany Railroad. His vacancy was filled by Mr. Theodore N. Ely, of the Engineer Department.

The operations of the road have been carried on without interruption, except by a flood in the Alleghany river, January

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9th, which swept out the false works of the centre span of Warren bridge, then in process of renewal. Owing to the drift ice and force of the stream, the river was impassable for two days, after which trestles were set up, and trains passed over on the 14th.

All of which is respectfully submitted,

ALFRED L. TYLER,

Gen'l Superintendent.



