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# THIRD ANNUAL REPORT

*of the Board of Railroad Commissioners*

OF THE

1880-82

# BOARD OF RAILROAD COMMISSIONERS

OF THE

## STATE OF CALIFORNIA

FOR THE

**Years ending December 31, 1880-81-82.**



**SACRAMENTO:**

**STATE OFFICE : : : J. D. YOUNG, SUPT. STATE PRINTING.  
1882.**

STATE OF CALIFORNIA,  
City and County of San Francisco. } ss.

Leland Stanford, President of the Berkeley Branch Railroad Company, and James O'B. Gunn, Secretary of the said company, being duly sworn, depose and say, that the statements, tables, and answers contained in the foregoing forty-two (42) pages, have been compiled and prepared by the proper officers of said company, from its books and records, under their direction and supervision; that they, the deponents, have carefully examined the same, and that as now furnished by them to the Board of Railroad Commissioners, they are, in all respects, just, correct, complete, and true, to the best of their knowledge, and, as they verily believe, the same contain a true and full exhibit of the condition and affairs of said company on the thirty-first day of December, 1881.

LELAND STANFORD.  
JAS. O'B. GUNN.

Subscribed and sworn to before me, this fifteenth (15) day of March, 1882.

CHARLES J. TORBERT,  
Notary Public in and for the City and County of San Francisco, State of California.

**BLACK DIAMOND COAL MINING RAILROAD COMPANY.**

**NAMES AND RESIDENCES OF OFFICERS AND DIRECTORS:**

P. B. Cornwall, President ..... San Francisco.  
Louis McLane ..... San Francisco.  
D. O. Mills ..... New York.  
Thomas Bell ..... San Francisco.  
J. B. Haggin ..... San Francisco.  
J. H. Dobinson, Secretary ..... San Francisco.

**BUSINESS ADDRESS OF THE COMPANY:**

East corner of Spear and Folsom Streets.....San Francisco, California.

The Black Diamond Railroad is not incorporated, but is the property of the Black Diamond Coal Mining Company, which company has a capital stock of five million dollars.

**DEBT.**

15. Total amount of unfunded debt, pay-roll and bills unpaid Jan. 1, 1882, about.      \$2,000 00  
16. Total gross debt liabilities.....      \$2,000 00

**COST OF ROAD, EQUIPMENT, AND PROPERTY—ROAD AND BRANCHES.**

*Construction.*

2. Bridging ..... \$7,427 60  
3. Superstructure, including rails..... 229,219 81  
11. Total cost of construction ..... \$236,647 41

*Equipment.*

	No.	Cost.
12. Locomotives .....	3	\$31,562 19

## THIRD ANNUAL REPORT OF THE

## REVENUE FOR THE YEAR.

1. Derived from local passengers on roads operated by this company.....	\$1,497 65
7. Total earnings from passenger department.....	<u>\$1,497 65</u>
8. Derived from local freight on roads operated by this company.....	\$1,104 07
12. Total earnings from freight department.....	<u>\$1,104 07</u>
14. Total transportation earnings.....	<u>\$2,601 72</u>

## EXPENSES FOR OPERATING THE ROAD FOR THE YEAR.

## Class I—General traffic expenses.

2. General salaries, office expenses, and miscellaneous, not embraced in Classes III and IV:	
Payroll.....	\$24,740 12
Four hundred and fifty-eight tons Black Diamond coal.....	2,290 00
Blacksmith's coal.....	94 45
Hardware sundries.....	1,376 29
Stationery.....	47 25
Oil.....	845 50
Lumber.....	471 68
Thirty-one thousand eight hundred pounds of fifty-six-pound rails.....	1,028 46
One thousand ties.....	427 50
	<u>\$31,321 25</u>
Less old iron sold.....	1,030 10
5. Total.....	<u>\$30,291 15</u>

## GENERAL BALANCE SHEET AT CLOSING OF ACCOUNTS, DECEMBER 31, 1881.

## Debits.

Cost of road.....	\$236,647 41
Cost of equipment.....	51,138 41
Profit and loss:	
Net current expense (less increase) is incorporated in Black Diamond Coal Mining Company.	

## PROFIT AND LOSS ACCOUNT FOR THE YEAR ENDING DECEMBER 31, 1881.

	Debits.	Credits.
No credit being made for the coal merchandise transported for the Black Diamond Coal Mining Company.	\$30,291 15	\$2,601 72

## DESCRIPTION OF ROAD.

1. Date when the road or portions thereof were opened for public use:		
From Black Diamond to Nortonville (six miles).....		1868.
Side tracks (two thousand five hundred feet).....		1876.
2. Length of main line of road from Black Diamond to Nortonville.....		6 miles.
Length of main line in California.....		6 miles.
5. Branches owned by the company.....		2,500 feet.
6. Total length of branches owned by the company.....		2,500 feet.
7. Total length of branches owned by the company in California.....		2,500 feet.
9. Length of double track on branches.....		2,500 feet.
10. Total length of road belonging to this company.....		<del>6,250</del> 6 miles.
13. Aggregate length of track belonging to this company computed as single track.....		<del>6,250</del> 6 miles.
14. Same in California.....		<del>6,250</del> 6 miles.
18. Number of wooden bridges (aggregate length, 750 feet), in California.....		1
19. Number of crossings of highways at grade, in California.....		6
26. Number of highway crossings at which there are neither electric signals, gates, nor flagmen, in California.....		6
28. Number of railroad crossings over other roads:		
Northern Railway and San Pablo and Tulare Railroad.....		1

ROLLING STOCK.

	No.	Average Weight.	Market Value.
1. Locomotives	3	22 tons	Unknown.
Average weight of engines in working order		32 tons	Unknown.
Maximum weight of engines in working order		30 tons	Unknown.
6. Passenger cars	1	3,000 pounds	
6. Four-wheel box freight cars	1	4,500 pounds	
11. Four-wheel platform cars	4	4,500 pounds	
12. Other cars:			
Water	2	4,500 pounds	
Coal and gravel	30	4,500 pounds	
13. Total market value			Unknown.

14. Total number of freight cars, including coal, etc., on a basis of eight wheels	17½
15. Number of locomotives equipped with train brakes (screw)	3
16. Number of cars equipped with train brakes (lever)	38

MILEAGE, TRAFFIC, ETC.

1. Miles run by passenger trains	17,190
2. Rate of speed of express passenger trains, including stops	18 miles per hr.
4. Miles run by freight trains	17,190
5. Rate of speed of express freight trains, including stops	12 miles per hr.
8. Total train miles run	17,190
9. Total number of passengers carried	2,983
Number of through passengers going east (or north)	Do not know.
Number of through passengers going west (or south)	Do not know.
10. Total passenger mileage, or passengers carried one mile	17,898
11. Passenger mileage to and from other roads	Do not know.
Average number of miles traveled by each through passenger	6
12. Number of tons carried (not including gravel)	59,917
13. Total freight mileage, or tons carried one mile	368,500
14. Freight mileage to and from other roads	Do not know.
15. Highest rate of fare per mile for any distance (excluding one mile)	8½ cents.
16. Lowest rate of fare per mile for any distance (single fare)	8¼ cents.
17. Average rate of fare per mile (not including season tickets) received from local passengers on roads operated by this company	8½ cents.
20. Average rate of fare per mile for all passengers	8½ cents.
21. Highest rate of freight per ton per mile for any distance (up the mountain)	\$3 00
22. Lowest rate of freight per ton per mile for any distance (down the mountain)	\$1 00
23. Average rate of local freight per ton per mile on roads operated by this company	\$2 00
25. Average rate of freight per ton per mile for all (exclusive of coal)	\$2 00
26. Average number of cars in passenger trains (including baggage cars)	1
27. Average number of cars in freight trains—basis of eight-wheel (sixteen cars of four wheels)	8
28. Average weight of passenger trains, including locomotive and tender, in working order (exclusive of passengers)	23½ tons.
29. Average weight of freight trains, including locomotive and tender, in working order (exclusive of freight)	40 tons.
30. Number of persons regularly employed by the Black Diamond Company, including officers on railroad	25
Average monthly pay of engine drivers	\$90 00
Average monthly pay of passenger conductors	\$80 00
Average pay of freight conductors	\$1 75 per day.
Average monthly pay of brakemen, flagmen, and switchmen	\$65 00
Average pay of section men	\$2 00 per day.
Average monthly pay of mechanics in shops	\$90 00
Average pay of laborers	\$2 00 per day.

STATEMENT OF EACH ACCIDENT IN CALIFORNIA.

A boy—Byard Cantrell—fell between cars and was killed.

TABLE C.

*Length in Miles of Road and Tracks owned by the Company.*

State, separately, lengths within and without State. Reduce to single track by adding length of double track.			Length of Track Dec. 31, 1881.	
			Single.	Sidings.
Main Line and Branches.	From—	To—	Iron.	Iron.
Main line within State.....	Black Diamond ..	Nortonville.....	6 miles.	2,500 feet.
			December 31, 1881.	
			Within the State.	
			Length in Miles.	Average Weight.
Length of iron rail.....			12,444	56 lbs. per yard.
Total length of iron rail laid during the year.....			1,000 feet relaid.	

STATE OF CALIFORNIA,  
County of San Francisco. } ss.

P. B. Cornwall, President of the Black Diamond Coal Mining Company, and J. Pettee, book-keeper of the said company, being duly sworn, depose and say, that the statements, tables, and answers contained in the foregoing sheets, have been compiled and prepared by the proper officers of said company, from its books and records, under their direction and supervision; that they, the deponents, have carefully examined the same, and that as now furnished by them to the Board of Railroad Commissioners, they are, in all respects, just, correct, complete, and true, to the best of their knowledge, and, as they verily believe, the same contain a true and full exhibit of the condition and affairs of said company on the thirty-first day of December, 1881.

P. B. CORNWALL.  
JOHN PETTEE.

Subscribed and sworn to before me, this first day of April, 1882.

WILLIAM HARNEY,  
Notary Public.

## CALIFORNIA NORTHERN RAILROAD COMPANY.

### NAMES AND RESIDENCES OF OFFICERS AND DIRECTORS:

N. D. Rideout..... Owner.  
Andrew J. Binney..... General Manager.

### BUSINESS ADDRESS OF THE COMPANY:

Marysville, Yuba County..... California.

### COST OF ROAD, EQUIPMENT, AND PROPERTY—ROAD AND BRANCHES.

The California Northern Railroad was purchased at Commissioners' mortgage foreclosure sale on January 22d, 1881, by N. D. Rideout, at a total cost, for road, equipments, and all appurtenances, of \$40,000.

## REVENUE FOR THE YEAR.

1. Derived from local passengers on roads operated by this company .....	\$15,945 04
2. Derived from passengers from Central Pacific Railroad .....	2,078 00
5. Derived from express and extra baggage .....	1,589 15
6. Derived from mails .....	972 35
7. Total earnings from passenger department .....	<u>\$20,584 54</u>
8. Derived from local freight on roads operated by this company .....	\$18,318 26
11. Derived from other sources belonging to freight department .....	9 95
12. Total earnings from freight department .....	<u>\$18,318 26</u>
14. Total transportation earnings .....	<u>\$38,902 80</u>

## EXPENSES FOR OPERATING THE ROAD FOR THE YEAR.

*Class I—General traffic expenses.*

1. Taxes, State and local .....	\$3,479 81
2. General salaries, office expenses, and miscellaneous, not embraced in Classes III and IV .....	3,688 39
4. Telegraph expenses .....	3 90
5. Total .....	<u>\$7,172 10</u>

*Class II—Maintenance of way and buildings, and movement expenses.*

1. Repairs of road (exclusive of bridges, new rails, and new ties) .....	\$10,218 67
4. New ties (cost included in track repairs) .....	
5. Repairs of bridges .....	3,931 59
6. Repairs of buildings and fixtures (stations and turn-tables) .....	1,850 35
10. Repairs of locomotives .....	574 94
14. Fuel for engines and cars; Number of cords of wood — ; cost .....	2,522 54
17. Oil and waste, etc. ....	210 04
19. Total .....	<u>\$19,317 13</u>

*Class III—Passenger traffic expenses.*

1. Repairs of passenger, mail, and baggage cars .....	\$316 44
4. Salaries, wages, and incidentals of passenger trains .....	3,207 92
5. Salaries, wages, and incidentals of passenger stations .....	3,937 10
8. Total .....	<u>\$7,461 46</u>

*Class IV—Freight traffic expenses.*

3. Damages, freight (stolen) .....	\$209 00
8. Total .....	<u>\$209 00</u>
9. Total expenses of operating the road embraced in Classes I, II, III, and IV ..	\$34,159 69
13. Total expenses .....	<u>\$34,159 69</u>

## NET INCOME, DIVIDENDS, ETC.

1. Total net income .....	\$4,743 11
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## EARNINGS, EXPENSES, NET EARNINGS, ETC., OF PASSENGER DEPARTMENT.

1. Total earnings from passenger department, as per "Revenue for the Year," No. 7 .....	\$20,584 54
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## RECEIPTS, EXPENSES, NET EARNINGS, ETC., OF FREIGHT DEPARTMENT.

1. Total earnings from freight department, as per "Revenue for the Year," No. 12 .....	\$18,318 26
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## GENERAL BALANCE SHEET AT CLOSING OF ACCOUNTS, DECEMBER 31, 1881.

<i>Debits.</i>		
Cost of road and equipment.....	-----	\$40,000 00
<i>Credits.</i>		
Profit and loss (profit).....	-----	4,743 11

## DESCRIPTION OF ROAD.

2. Length of main line of road from Marysville to Oroville.....	-----	26½ miles.
19. Total length of road belonging to this company.....	-----	26½ miles.
11. Aggregate length of siding and other tracks not enumerated above.....	-----	½ mile.
16. Number of spans of bridges of 25 feet and upwards, in California.....	-----	1
18. Number of wooden bridges in California.....	-----	24
27. Number of railroad crossings at grade.....	-----	1

## MILEAGE, TRAFFIC, ETC.

2. Rate of speed of mixed passenger and freight trains, including stops, miles per hour.....	-----	20
15. Highest rate of fare per mile for any distance (excluding one mile).....	-----	.0754
16. Lowest rate of fare per mile for any distance (single fare).....	-----	.0754
17. Average rate of fare per mile (not including season tickets) received from local passengers on roads operated by this company.....	-----	.0754
18. Average rate of fare per mile received from passengers to and from other roads.....	-----	.0754
20. Average rate of fare per mile for all passengers.....	-----	.0754
21. Highest rate of freight per ton per mile for any distance.....	-----	.1132
22. Lowest rate of freight per ton per mile for any distance.....	-----	.0566
30. Number of persons regularly employed by company, including officers.....	-----	17
Average monthly pay of engine drivers.....	-----	\$90 00
Average monthly pay of baggage masters.....	-----	60 00
Average monthly pay of section men.....	-----	40 00

## ROLLING STOCK.

1. Locomotives.....	-----	2
2. Tenders.....	-----	2
6. Passenger cars.....	-----	2
7. Mail and baggage cars.....	-----	1
8. Eight-wheel box freight cars.....	-----	5
10. Eight-wheel platform cars.....	-----	6
12. Other cars—hand cars.....	-----	3

TABLE C. LENGTH IN MILES OF ROAD AND TRACKS (SINGLE AND DOUBLE) OWNED BY THE COMPANY.

State, separately, lengths within and without State. Reduce to single track by adding length of double track.			Length of Track, Dec. 31, 1881.
			Single.
Main Line and Branches.	From—	To—	Iron.
Main line within State.....	Oroville.....	Marysville.....	26½
Total on whole road, December 31, 1881.....			26½
			December 31, 1881—Within State.
			Length in Miles.
			Average Weight per Mile.
Length of iron rails.....			53
			45

STATE OF CALIFORNIA, }  
 County of Yuba. } ss.

Andrew J. Binney, General Manager of the California Northern Railroad, and of the said company, being duly sworn, deposes and says that the statements, tables, and answers contained in the foregoing sheets, have been compiled and prepared by the proper officers of said company, from its books and records, under their direction and supervision; that they, the deponents, have carefully examined the same, and that as now furnished by them to the Board of Railroad Commissioners, they are, in all respects, just, correct, complete, and true, to the best of their knowledge, and, as they verily believe, the same contain a true and full exhibit of the condition and affairs of said company on the thirty-first day of December, 1881.

ANDREW J. BINNEY.

Subscribed and sworn to before me this fifteenth day of May, 1882.

CHARLES E. SWEZY.

CALIFORNIA PACIFIC RAILROAD COMPANY.

NAMES AND RESIDENCES OF OFFICERS AND DIRECTORS :

R. P. Hammond, President.....	San Francisco.
George Crocker, Vice-President.....	San Francisco.
N. T. Smith.....	San Francisco.
J. L. Willcutt, Treasurer.....	San Francisco.
W. V. Huntington.....	San Francisco.
Charles F. Crocker.....	San Francisco.
J. O'B. Gunn, Secretary.....	San Francisco.

BUSINESS ADDRESS OF THE COMPANY :

San Francisco.....California.

The California Pacific Railroad Company was incorporated December 23, 1869, and formed by consolidation of the companies whose names and dates of incorporation are shown in the table below :

Names of Railroad Companies.	Dates of Incorporat'n.	Names of Railroad Companies.	Dates of Incorporat'n.
California Pacific R. R. Co.....	Jan. 6, 1865.	} San Francisco & Marysville R. R. } Sacramento & San Francisco R. R. } Napa Valley R. R. (by purchase).	Oct. 26, 1857.
Cal. Pac. R. R. Extension Co..	April 5, 1869.		Dec. 2, 1864.
			Mar. 2, 1864.

CAPITAL STOCK.

1. Capital stock authorized by charter.....	\$12,000,000 00
2. Capital stock authorized by votes of company.....	12,000,000 00
3. Capital stock issued [number of shares, 120,000]; amount paid in.....	12,000,000 00
4. Total amount paid in as per books of the company.....	12,000,000 00
5. Par value of shares issued.....	100 00
9. Total number of stockholders.....	133
10. Number of stockholders in California.....	40
11. Amount of stock held in California.....	<u>7,652,400 00</u>