

## State inspector of coal mines reports

### Section 85, Pages 2521 - 2550

These reports of the Kansas State Mine Inspector mostly concern coal mining, though by 1929 the scope of the reports broadens to include metal mines. The content of individual reports will vary. The reports address mining laws and mining districts; industry production and earnings; fatal and non-fatal accidents; accident investigations and transcripts of oral interviews; labor strikes; mine locations; mining companies and operators; and proceedings of mining conventions. The reports document the political, economic, social, and environmental impacts of more than seventy years of mining in southeastern Kansas.

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KANSAS  
HISTORICAL  
SOCIETY



CRAWFORD COUNTY—CONCLUDED.

Mine No.	Name of operator.	Date inspected.	Inspector.
1....	Brown Bros. Coal Co.	Sept. 1.....	Charles Paisley.
1....	Moser Coal Co.	July 16.....	Martin Kutzman.
1....	Union Coal Co.	Aug. 27.....	Charles Paisley.
1....	Ozark Coal Co.	Dec. 9.....	Martin Kutzman.
1....	Davis & Jones Coal Co.	Dec. 23.....	James Sherwood.
1....	Dobkin & Wachter Coal Co.	Dec. 18.....	James Sherwood.
1....	Shipman Bros. Coal Co.	Aug. 27.....	Charles Paisley.
1....	St. Clair Coal Co.	Aug. 31.....	Charles Paisley.
1....	Scott & Knott Coal Co.	Sept. 14.....	Martin Kutzman.
1....	Mallems & Halstead Coal Co.	Aug. 31.....	Charles Paisley.
1....	Broadhurst & Coughnour Coal Co.	Aug. 30.....	Charles Paisley.
1....	Whetstone & Fieder Coal Co.	Aug. 27.....	Charles Paisley.
—....	Ellsworth Klaner Construction Co. (pit).	Oct. 18.....	Charles Paisley.
—....	Smith, Scott & White Construction Co. (pit).	Dec. 9.....	James Sherwood.
—....	Whitmer Contracting Co. (pit).	Oct. 20.....	Charles Paisley.
—....	Nesch Coal Co. (pit).	Oct. 19.....	Charles Paisley.
—....	Patton Coal Co. (pit).	Oct. 19.....	Charles Paisley.

CHEROKEE COUNTY.

42....	Central Coal and Coke Co.	July 27.....	Fred Green.
42....	Central Coal and Coke Co.	Sept. 14.....	Fred Green.
43....	Central Coal and Coke Co.	July 29.....	Fred Green.
43....	Central Coal and Coke Co.	Sept. 9.....	Fred Green.
43....	Central Coal and Coke Co.	Oct. 19.....	Fred Green.
43....	Central Coal and Coke Co.	Nov. 19.....	Fred Green.
43....	Central Coal and Coke Co.	Nov. 23.....	Fred Green.
18....	Crowe Coal Co.	July 20.....	Fred Green.
18....	Crowe Coal Co.	July 23.....	Fred Green.
18....	Crowe Coal Co.	Sept. 13.....	Fred Green.
18....	Crowe Coal Co.	Nov. 30.....	Fred Green.
19....	Crowe Coal Co.	Oct. 8.....	Fred Green.
19....	Crowe Coal Co.	Dec. 7.....	Fred Green.
20....	Crowe Coal Co.	July 12.....	Fred Green.
20....	Crowe Coal Co.	July 21.....	Fred Green.
20....	Crowe Coal Co.	Dec. 13.....	Fred Green.
20....	Crowe Coal Co.	Dec. 17.....	Fred Green.
1....	Mayer Coal Co.	July 1, 2, 3.....	Fred Green.
4....	Mayer Coal Co.	Aug. 17.....	Fred Green.
4....	Mayer Coal Co.	Dec. 9.....	Fred Green.
5....	Mayer Coal Co.	Aug. 31.....	Fred Green.
6....	Mayer Coal Co.	Sept. 8.....	Fred Green.
7....	Mayer Coal Co.	July 1.....	Fred Green.
7....	Mayer Coal Co.	July 15.....	Fred Green.
7....	Mayer Coal Co.	July 23.....	Fred Green.
7....	Mayer Coal Co.	Dec. 10.....	Fred Green.
7....	Mayer Coal Co.	Dec. 21.....	Fred Green.
8....	Mayer Coal Co.	Nov. 26.....	Fred Green.
8....	Mayer Coal Co.	Dec. 3.....	Fred Green.
11....	Mayer Coal Co.	July 16.....	Fred Green.
11....	Mayer Coal Co.	Aug. 16.....	Fred Green.
11....	Mayer Coal Co.	Nov. 24.....	Fred Green.
9....	Clemens Coal Co.	Aug. 30.....	Fred Green.
15....	M. K. & T. Coal Department.	Nov. 1.....	Fred Green.
15....	M. K. & T. Coal Department.	Nov. 2.....	Fred Green.
15....	M. K. & T. Coal Department.	Nov. 6.....	Fred Green.
16....	M. K. & T. Coal Department.	Oct. 22.....	Fred Green.
2....	Cherokee Crescent Coal Co.	July 6.....	Fred Green.
2....	Cherokee Crescent Coal Co.	Sept. 22.....	Fred Green.
2....	Cherokee Crescent Coal Co.	Oct. 5.....	Fred Green.
2....	Cherokee Crescent Coal Co.	Nov. 9.....	Fred Green.
2....	Cherokee Crescent Coal Co.	Dec. 23.....	Fred Green.
H....	Mackie Fuel Co.	Nov. 3.....	Fred Green.
8½....	Columbus Coal Co.	Sept. 17.....	Fred Green.
8½....	Columbus Coal Co.	Oct. 26.....	Fred Green.
8½....	Columbus Coal Co.	Dec. 8.....	Fred Green.
1....	Fleming Coal Co. (pit).	Aug. 18.....	Fred Green.
1....	Fleming Coal Co. (pit).	Oct. 21.....	Fred Green.
3....	Fleming Coal Co. (pit).	Nov. 5.....	Fred Green.
3....	Junior Coal Co. (pit).	July 27.....	Fred Green.
3....	Junior Coal Co. (pit).	Oct. 18.....	Fred Green.
1....	Crowe Coal Co. (pit).	Oct. 21.....	Fred Green.
1....	Crowe Coal Co. (pit).	Nov. 4.....	Fred Green.
1....	Skidmore Patterson Coal Co. (pit).	Oct. 21.....	Fred Green.
1....	Besse Cockerill (strip pit).	Dec. 11.....	Fred Green.
1....	Besse Cockerill (strip pit).	Aug. 4.....	Fred Green.
1....	Pittsburg Scammon Coal Co. (pit).	Oct. 20.....	Fred Green.
1....	Pittsburg Scammon Coal Co. (pit).	Nov. 4.....	Fred Green.
1....	Cunningham & Son Coal Co. (slope).	Oct. 26.....	Fred Green.
14....	Jackson & Walker Coal and Mining Co.	Sept. 7.....	Thomas Turvey.





### Report Ending December 31, 1915.

95

#### OSAGE COUNTY.

Mine No.	Name of operator.	Date inspected.	Inspector.
14....	Jackson & Walker Coal and Mining Co.	Oct. 21.....	Thomas Turvey.
14....	Jackson & Walker Coal and Mining Co.	Oct. 29.....	Thomas Turvey.
14....	Jackson & Walker Coal and Mining Co.	Nov. 11.....	Thomas Turvey.
14....	Jackson & Walker Coal and Mining Co.	Dec. 20.....	Thomas Turvey.
1....	Standard Coal Co.	Aug. 30.....	Thomas Turvey.
1....	Standard Coal Co.	Sept. 1.....	Thomas Turvey.
3....	Chappel Coal Co.	Oct. 1.....	Thomas Turvey.
3....	Chappel Coal Co.	Oct. 11.....	Thomas Turvey.
3....	Chappel Coal Co.	Nov. 18.....	Thomas Turvey.
6....	Chappel Coal Co.	Aug. 7.....	Thomas Turvey.
6....	Chappel Coal Co.	Sept. 2.....	Thomas Turvey.
6....	Chappel Coal Co.	Dec. 13.....	Thomas Turvey.
1....	Labor Exchange Coal Association.	Aug. 6.....	Thomas Turvey.
1....	Labor Exchange Coal Association.	Sept. 11.....	Thomas Turvey.
1....	Labor Exchange Coal Association.	Nov. 6.....	Thomas Turvey.
1....	Osage City Labor Exchange Co.	Aug. 13.....	Thomas Turvey.
1....	Osage City Labor Exchange Co.	Sept. 8.....	Thomas Turvey.
1....	Osage City Labor Exchange Co.	Oct. 7.....	Thomas Turvey.
1....	Osage City Labor Exchange Co.	Dec. 9.....	Thomas Turvey.
1....	Osage City Labor Exchange Co.	Dec. 22.....	Thomas Turvey.
1....	Postoria Labor Exchange Coal Co.	Aug. 4.....	Thomas Turvey.
1....	Postoria Labor Exchange Coal Co.	Sept. 30.....	Thomas Turvey.
1....	Postoria Labor Exchange Coal Co.	Nov. 30.....	Thomas Turvey.
1....	Central Coal and Mining Co.	Oct. 13.....	Thomas Turvey.
1....	Central Coal and Mining Co.	Dec. 21.....	Thomas Turvey.
2....	Central Coal and Mining Co.	Nov. 16.....	Thomas Turvey.
2....	Central Coal and Mining Co.	Aug. 16.....	Thomas Turvey.
2....	Central Coal and Mining Co.	Dec. 28.....	Thomas Turvey.
1....	Coughlin Coal Co.	Sept. 9.....	Thomas Turvey.
1....	Coughlin Coal Co.	Oct. 19.....	Thomas Turvey.
1....	Black Diamond Coal Co.	Aug. 11.....	James Sherwood.
1....	Black Diamond Coal Co.	Sept. 20.....	Thomas Turvey.
1....	Black Diamond Coal Co.	Sept. 28.....	Thomas Turvey.
1....	Black Diamond Coal Co.	Nov. 24.....	Thomas Turvey.
1....	Black Diamond Coal Co.	Dec. 24.....	Thomas Turvey.
2....	Black Diamond Coal Co.	Aug. 11.....	Thomas Turvey.
2....	Black Diamond Coal Co.	Sept. 10.....	Thomas Turvey.
2....	Black Diamond Coal Co.	Sept. 28.....	Thomas Turvey.
2....	Black Diamond Coal Co.	Dec. 17.....	Thomas Turvey.
2....	Black Diamond Coal Co.	Dec. 24.....	Thomas Turvey.
1....	John A. Johnson Coal Co.	Sept. 14.....	Thomas Turvey.
1....	John A. Johnson Coal Co.	Dec. 7.....	Thomas Turvey.
2....	John A. Johnson Coal Co.	Sept. 14.....	Thomas Turvey.
2....	John A. Johnson Coal Co.	Aug. 12.....	Thomas Turvey.
1....	Western Fuel Co.	Aug. 10.....	Thomas Turvey.
1....	Western Fuel Co.	Sept. 15.....	Thomas Turvey.
1....	Western Fuel Co.	Dec. 8.....	Thomas Turvey.
1....	Granstrom Coal Co.	Aug. 27.....	Thomas Turvey.
1....	Granstrom Coal Co.	Nov. 10.....	Thomas Turvey.
1....	Granstrom Coal Co.	Dec. 10.....	Thomas Turvey.
1....	Washington Coal Co.	Sept. 18.....	James Sherwood.
1....	Washington Coal Co.	Sept. 20.....	Thomas Turvey.
1....	Washington Coal Co.	Oct. 14.....	Thomas Turvey.
1....	Washington Coal Co.	Nov. 5.....	Thomas Turvey.
1....	Washington Coal Co.	Dec. 2.....	Thomas Turvey.
1....	Washington Coal Co.	Dec. 15.....	Thomas Turvey.
1....	Elliott Coal Co.	Aug. 7.....	Thomas Turvey.
1....	Elliott Coal Co.	Sept. 1.....	Thomas Turvey.
1....	Elliott Coal Co.	Oct. 12.....	Thomas Turvey.
1....	Elliott Coal Co.	Dec. 6.....	Thomas Turvey.
1....	Strunk Coal Co.	Aug. 17.....	James Sherwood.
1....	Strunk Coal Co.	Sept. 20.....	Thomas Turvey.
1....	Strunk Coal Co.	Oct. 13.....	Thomas Turvey.
1....	Segelquist Coal Co.	Oct. 6.....	Thomas Turvey.
1....	Segelquist Coal Co.	Oct. 15.....	Thomas Turvey.
1....	Midway Coal Co.	Sept. 3.....	Thomas Turvey.
1....	Midway Coal Co.	Oct. 22.....	Thomas Turvey.
1....	Midway Coal Co.	Dec. 16.....	Thomas Turvey.
1....	John Jack Coal Co.	Sept. 4.....	James Sherwood.
1....	John Jack Coal Co.	Sept. 21.....	Thomas Turvey.
1....	John Jack Coal Co.	Nov. 8.....	Thomas Turvey.
1....	Miners' Fuel Co.	Oct. 18.....	Thomas Turvey.
1....	S. J. Carlson Coal Co.	Nov. 9.....	Thomas Turvey.
1....	Big Six Coal Co.	Aug. 12.....	Thomas Turvey.

#### LEAVENWORTH COUNTY.

2....	Home Riverside Coal Co.	Sept. 30.....	James Sherwood.
—....	Kansas State Penitentiary mine.	Aug. 20.....	Thomas Turvey and Fred Green.
—....	Kansas State Penitentiary mine.	Sept. 29.....	James Sherwood.



LINN COUNTY.

Mine No.	Name of operator.	Date inspected.	Inspector.
1....	Black Diamond Coal Co.	Oct. 11.....	James Sherwood.
3....	Martin Coal Co.	Oct. 11.....	James Sherwood.
1....	W. G. Thirlwell Coal Co.	Oct. 11.....	Martin Kotzman.
2....	W. G. Thirlwell Coal Co.	Oct. 11.....	Martin Kotzman.

SCALE INSPECTIONS OF KANSAS COAL MINES.

	Mine No.	Operator.	Condition.	Inspector.
1915.				
July	2....	7	Mayer Coal Co. Good.....	Fred Green.
	6....	6	Sheridan Coal Co. Good.....	M. Kotzman.
	6....	38	Central Coal and Coke Co. Good.....	M. Kotzman.
	7....	7	Girard Coal Co. Good.....	Chas. Paisley.
	7....	20	Wear Coal Co. Good.....	Chas. Paisley.
	14....	5	Mayer Coal Co. Good.....	Fred Green.
	15....	19	Wear Coal Co. Good.....	Jas. Sherwood.
	16....	2	Cherokee Crescent Coal Co. Good.....	Fred Green.
	17....	7	Spencer-Newland Coal Co. Good.....	M. Kotzman.
	20....	18	Western Coal and Mining Co. Good.....	M. Kotzman.
	21....	15	Western Coal and Mining Co. Good.....	Chas. Paisley.
	21....		Ben Jenkins Slope. Poor.....	M. Kotzman.
	21....	14	Sheridan Coal Co. Good.....	M. Kotzman.
	21....	12	Sheridan Coal Co. Good.....	M. Kotzman.
Aug.	30....	42	Central Coal and Coke Co. Good.....	Fred Green.
	2....	48	Central Coal and Coke Co. Good.....	Jas. Sherwood.
	2....	46	Central Coal and Coke Co. Good.....	Jas. Sherwood.
	2....	45	Central Coal and Coke Co. Good.....	M. Kotzman.
	2....	2	Katy Coal Co. Good.....	M. Kotzman.
	2....	14	Western Coal and Mining Co. Good.....	M. Kotzman.
	9....	2	Katy Coal Co. Good.....	M. Kotzman.
	16....	11	Mayer Coal Co. Poor.....	Fred Green.
	18....	19	Wear Coal Co. Good.....	Chas. Paisley.
	19....	48	Central Coal and Coke Co. Good.....	M. Kotzman.
	23....	11	Mayer Coal Co. Poor.....	Fred Green.
	24....	43	Central Coal and Coke Co. Good.....	Fred Green.
	30....	1	Geo. T. McGrath Coal Co. Good.....	Jas. Sherwood.
	30....	9	Clemens Coal Co. Good.....	Fred Green.
Sept.	31....	3	Sheridan Coal Co. Good.....	Jas. Sherwood.
	2....	11	Mayer Coal Co. Good.....	Fred Green.
	2....		Jenkins Mine. Poor.....	M. Kotzman.
	2....	4½	Sheridan Coal Co. Good.....	M. Kotzman.
	2....	14	Western Coal and Mining Co. Fair.....	Jas. Sherwood.
	13....	19	Wear Coal Co. Good.....	Jas. Sherwood.
	13....	15	Crowe Coal Co. Good.....	Jas. Sherwood.
	13....	14	Crowe Coal Co. Good.....	Jas. Sherwood.
	13....	8	Hamilton Coal and Mercantile Co. Good.....	M. Kotzman.
	13....	9	Sheridan Coal Co. Good.....	M. Kotzman.
	13....	18	Western Coal and Mining Co. Good.....	M. Kotzman.
	18....	20	Wear Coal Co. Good.....	M. Kotzman.
	18....	6	Nevius Coal Co. Good.....	M. Kotzman.
	23....	45	Central Coal and Coke Co. Good.....	M. Kotzman.
Oct.	24....	20	Crowe Coal Co. Good.....	Fred Green.
	27....	8	Pittsburg Northern Coal Co. Fair.....	M. Kotzman.
	27....	8	Sheridan Coal Co. Good.....	M. Kotzman.
	27....	1	Burnett Coal Co. Good.....	M. Kotzman.
	27....	6	Granstrom Coal Co. Good.....	Thos. Turvey.
	27....	17	Wear Coal Co. Poor.....	Jas. Sherwood.
	28....	1	Black Diamond Coal Co. Good.....	Thos. Turvey.
	28....	2	Black Diamond Coal Co. Good.....	Thos. Turvey.
	30....		Fostoria Labor Exchange Mine. Good.....	Thos. Turvey.
	5....	2	Cherokee Crescent Coal Co. Good.....	Fred Green.
	6....	9	Clemens Coal Co. Good.....	Fred Green.
	6....	1	Segelquist Coal Co. Good.....	Thos. Turvey.
	7....	9	Clemens Coal Co. Good.....	Thos. Turvey.
	7....		Osage City Labor Exchange Coal Co. Good.....	Fred Green.
	9....	1	Standard Coal Co. Good.....	Thos. Turvey.
	11....	6	Chappel Coal Co. Good.....	Thos. Turvey.
	13....	1	Central Coal Co. Good.....	Thos. Turvey.
	13....	1	Strunk Coal Co. Good.....	Thos. Turvey.
	14....	1	Washington Coal Co. Good.....	Thos. Turvey.
	14....	2	Central Coal Co. Good.....	Thos. Turvey.
	14....	1	Black Diamond Coal Co. Good.....	Thos. Turvey.
	15....	15	M. K. & T. Coal Co. Good.....	Fred Green.
	15....	7	Fidelity Coal Mining Co. Good.....	Fred Green.
	16....	18	J. R. Crowe Coal Co. Good.....	Fred Green.
	18....	1	Miners Fuel Co. Good.....	Thos. Turvey.
	18....	1	Western Fuel Co. Good.....	Thos. Turvey.



## State inspector of coal mines reports

Report Ending December 31, 1915.

97

SCALE INSPECTION OF KANSAS COAL MINES—CONCLUDED

Mine No.	Operator.	Condition.	Inspector.
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1915.			
Oct. 19....	1	J. A. Johnson Coal Co. Good.....	Thos. Turvey.
19....	1	Big Six Coal Co. Good.....	Thos. Turvey.
19....	2	Coughlin Coal Co. Good.....	Thos. Turvey.
21....	16	Western Coal and Mining Co. Good.....	Jas. Sherwood.
21....	14	Jackson & Walker Coal and Mining Co. Good.....	Thos. Turvey.
21....	11	Jackson & Walker Coal and Mining Co. Good.....	M. Kotzman.
21....	8	Pittsburg Northern Coal Co. Good.....	M. Kotzman.
22....	1	Midway Coal Co. Good.....	Thos. Turvey.
22....	3	Chappel & Goebel Coal Co. Good.....	Fred Green.
27....	19	J. R. Crowe Coal Co. Fair.....	M. Kotzman.
29....	9	Jackson & Walker Coal and Mining Co. Fair.....	Chas. Paisley.
29....	10	Clemens Coal Co. Fair.....	M. Kotzman.
29....	9	Jackson & Walker Coal and Mining Co. Good.....	M. Kotzman.
29....	10	Clemens Coal Co. Good.....	M. Kotzman.
29....	4	Clemens Coal Co. Good.....	M. Kotzman.
Nov. 1....	11	Clemens Coal Co. Good.....	M. Kotzman.
1....	21	Wear Coal Co. Poor.....	Jas. Sherwood.
1....	19	Western Coal and Mining Co. Good.....	Jas. Sherwood.
1....	45	Central Coal and Coke Co. Good.....	Thos. Turvey.
2....		Elliott Coal Co. Good.....	Thos. Turvey.
8....	1	John Jack Coal Co. Good.....	Thos. Turvey.
10....	2	Black Diamond Coal Co. Good.....	Fred Green.
10....	6	Mayer Coal Co. Poor.....	Thos. Turvey.
12....	7	S. J. Carlson Coal Co. Good.....	Chas. Paisley.
18....	1	Geo. T. McGrath Coal Co. Good.....	Fred Green.
18....	9	Clemens Coal Co. Good.....	M. Kotzman.
18....	48	Central Coal and Coke Co. Good.....	Thos. Turvey.
19....		John Jack Coal Co. Good.....	Fred Green.
22....	7	Mayer Coal Co. Good.....	M. Kotzman.
24....	14	Crowe Coal Co. Good.....	Jas. Sherwood.
24....	12	Sheridan Coal Co. Poor.....	Jas. Sherwood.
29....	6	Doubleday Coal Co. Poor.....	M. Kotzman.
29....	14	Sheridan Coal Co. Good.....	M. Kotzman.
29....	11	Sheridan Coal Co. Good.....	Chas. Paisley.
30....	2	Katy Coal Co. Poor.....	Chas. Paisley.
30....	21	Wear Coal Co. Good.....	Thos. Turvey.
30....	30	Jackson & Walker Coal Co. Good.....	Fred Green.
Dec. 4....	18	J. R. Crowe Coal and Mining Co. Good.....	Fred Green.
6....	11	Fidelity Coal Co. Good.....	Jas. Sherwood.
8....	17	Wear Coal Co. Good.....	Chas. Paisley.
8....	2	Katy Coal Co. Good.....	M. Kotzman.
10....	4	Clemens Coal Co. Good.....	Chas. Paisley.
13....	46	Central Coal and Coke Co. Good.....	M. Kotzman.
13....	16	Clemens Coal Co. Good.....	Fred Green.
16....		Mackie, F. Good.....	Fred Green.
18....	20	Crowe Coal Co. Good.....	Jas. Sherwood.
20....	19	Western Coal and Mining Co. Good.....	M. Kotzman.
20....	12	Sheridan Coal Co. Good.....	M. Kotzman.
20....	6	Doubleday Coal Co. Good.....	M. Kotzman.
20....	8	Hamilton Coal Co. Poor.....	M. Kotzman.
1916.			
Jan. 4....	18	Crowe Coal Co. Good.....	Fred Green.
5....	19	Wear Coal Co. Good.....	Jas. Sherwood.
5....	19	Crowe Coal Co. Poor.....	Fred Green.
6....	2	Cherokee Crescent Coal Co. Good.....	Fred Green.
31....	1	Frontenac Coal Co. Good.....	Jas. Sherwood.
Feb. 3....	48	Central Coal and Coke Co. Good.....	Chas. Paisley.
3....	2	Katy Coal Co. Good.....	Jas. Sherwood.
4....	7	Spencer-Newland Coal Co. Good.....	Martin Kotzman.
4....	3	Sheridan Coal Co. Good.....	M. Kotzman.
4....	3	Sheridan Coal Co. Good.....	M. Kotzman.
4....	8	Sheridan Coal Co. Good.....	Chas. Paisley.
4....	10	Sheridan Coal Co. Good.....	Chas. Paisley.
4....	15	Crowe Coal Co. Fair.....	Jas. Sherwood.
4....	45	Central Coal and Coke Co. Good.....	Chas. Paisley.
4....	6	Dickinson Coal Co. Good.....	Fred Green.
8....	9	Mayer Coal Co. Good.....	Fred Green.
10....	15	M. K. & T. Coal Co. Good.....	Jas. Sherwood.
10....	5	Chapman Coal Co. Good.....	M. Kotzman.
10....	2	Home-Riverside Coal Co. Fair.....	M. Kotzman.
11....		Carr Mine, Carr Coal and Mining Co. Good.....	Thos. Turvey.
11....	30	Jackson & Walker Coal Co. Good.....	Jas. Sherwood.
17....	46	Central Coal and Coke Co. Poor.....	Jas. Sherwood.
19....	19	Wear Coal Co. Good.....	Chas. Paisley.
22....	16	Western Coal and Mining Co. Good.....	Fred Green.
25....	7	Mayer Coal Co. Good.....	Fred Green.
28....	43	Central Coal and Coke Co. Good.....	Fred Green.



### MINE INSPECTIONS.

Last Half of Calendar Year 1915.

#### CRAWFORD COUNTY.

Crawford county is the largest coal-producing county in the state. During the last half of the calendar year 1915 sixty-three deep mines produced 2,395,812 tons of coal, gave employment to 7827 men, and used 202,703 twenty-five-pound kegs of powder, and approximately 100,000 pounds of dynamite. Mine No. 16 of the J. R. Crowe Coal and Mining Company was idle during this period.

Twelve steam shovels are used in Crawford county in strip mining, and they produced 248,638 tons of coal, used 4338 twenty-five-pound kegs of black powder and about 5000 pounds of dynamite.

The total production of Crawford county from July 1, 1915, to January 1, 1916, was 2,395,812 tons of coal. To produce this amount of coal 207,401 twenty-five-pound kegs of black powder were used and about 105,000 pounds of dynamite. There were 8286 men employed during this period in this county. The average tons produced by each miner during this time was 293 tons of coal.

Mine No. 9 of the Jackson & Walker Coal and Mining Company is located one mile northeast of Frontenac, on a switch off the Santa Fe railroad. This mine produced 87,128 tons of coal, gave employment to 205 men and worked 142 days during the half year. This mine is one of the largest coal-producing mines in the state of Kansas. Abe Tennant, mine foreman.

This mine was thoroughly inspected a number of times by the inspectors, and all recommendations made by them were carried out, which put the mine in good condition.

Mine No. 11 of the Jackson & Walker Coal and Mining Company, located four miles northwest of Frontenac, is connected by switch to the Santa Fe railroad. This mine worked 171 days, employed 236 men and produced 86,474 tons of coal during the half year ending December 31, 1915. Peter McCall, mine foreman.

Deputy Inspector Paisley inspected this mine on July 20 and ordered roadways cleaned, several doors put in and curtains repaired. Paisley inspected the mine on November 2 and ordered roadways cleaned and sprinkled, as they were in poor condition; ordered the telephones repaired and kept in good working condition. Paisley again inspected the mine on December 17 and found that all his recommendations made on previous visits were carried out, which put the mine in good condition. He ordered a new rope put on the north cage.

Mine No. 14 of the Jackson & Walker Coal and Mining Company, located at Capaldo, on a spur off the Santa Fe railway, is operated under lease by the Wilson Brothers Coal Company. This mine produced 13,191 tons of coal, employed 36 men and worked 118 days during the half year. James Layden, foreman.

Deputy Inspector Paisley inspected this mine on August 12 and found the mine in fair condition. Kotzman visited the mine on December 17 in answer to a complaint regarding the washhouse. He ordered it kept in a more clean and sanitary condition.

Mine No. 15 of the Jackson & Walker Coal and Mining Company, located one mile south of Capaldo, on a spur off the Santa Fe railway,





## State inspector of coal mines reports

*Report Ending December 31, 1915.*

99

gave employment to 119 men, worked 145 days and produced 57,273 tons of coal during the half year. The workings of this mine are still rather faulty. Pete Bickel, foreman.

Deputy Inspector James Sherwood inspected this mine on September 15 and made numerous recommendations which will better conditions in this mine considerably.

The Jackson & Walker Coal and Mining Company employed 600 men, and they produced 484,125 tons of coal during the calendar year 1915 without a fatal accident.

Mine No. 10 of the Western Coal and Mining Company is located one mile northeast of Cherokee, on a switch off the Missouri Pacific railway. This mine employed 105 men, worked 121 days, and produced 29,947 tons of coal during the half year. Robert Haig, mine foreman.

Deputy Mine Inspector Martin Kotzman inspected this mine on August 23, 1915, and ordered the volume of air increased in several entries in the mine and considerable loose rock taken down or timbered. Kotzman again inspected the mine on September 8 and found that most of his instructions given on August 23 had been carried out, and the mine in fair condition.

Mine No. 13 of the Western Coal and Mining Company, located at Yale, is connected by switch to the Missouri Pacific railway. This mine produced 43,464 tons of coal, employed 152 men, and worked 115 days during the half year. This is an old mine. Frank Gardner, mine foreman.

Deputy Inspector Kotzman inspected the mine on July 8 and found it in pretty good condition. On October 2 Kotzman ordered telephones repaired, safety catches repaired, a general overhauling of all air courses, and volume of air increased. On October 18 Kotzman stopped the north entries in first west on account of the air course between eighth and ninth south, which furnishes the air for these entries, not being through. On October 28 Kotzman found that the air course was not completed, so he returned to the mine November 18 and found conditions greatly improved. Found phones not working, ordered them repaired.

Mine No. 14 of the Western Coal and Mining Company is located at Fleming, on a switch off the Missouri Pacific railway. The mine produced 60,741 tons of coal, employed 215 men, and worked 103 days during the half year. George Price, mine foreman.

Deputy Mine Inspector Sherwood inspected this mine on August 4 and ordered considerable timbering done, safety catches on cages repaired, and curtains and doors put up to better air condition. On September 16 Sherwood ordered washhouse kept in clean and sanitary condition, and found that his previous instructions had been carried out. On November 18 Sherwood again visited the mine and found conditions bad. He ordered air volume increased, loose rock all over the mine timbered or taken down, telephones repaired, and washhouse kept in better condition. He gave the foreman ten days time to put the mine in better condition.

Mine No. 15 of the Western Coal and Mining Company, located at Franklin, on a switch off the Missouri Pacific railway, gave employment to 302 men, worked 104 days and produced 91,072 tons of coal during the half year. This mine was one of the largest coal-producing mines in the state during the half year. Frank Price, mine foreman.

Deputy Inspector Paisley inspected this mine on July 21 and ordered dust taken off roads and roads sprinkled, safety catches on cages repaired, and timbering done on parting. On December 1 Paisley ordered roads cleaned and sprinkled, washhouse kept in clean and sanitary condition, and more lockers put in. Paisley again visited the mine on December 23 and ordered work on addition to bathhouse rushed.

Mine No. 16 of the Western Coal and Mining Company is located one-half mile west of Franklin on the Missouri Pacific railway. The mine employed 232 men, worked 112 days and produced 77,586 tons of coal during the half year. Wm. Beveridge, mine foreman.

Deputy Inspector Kotzman inspected this mine on August 11 and ordered phone put up on fifth south parting, and east side of bottom and west parting timbered. On September 17 Paisley ordered roadways cleaned and sprinkled. Deputy Inspector Sherwood inspected the mine on November 23 and found it in general good condition. He ordered several of the entries cleaned and sprinkled and manholes put in.



Mine No. 19 of the Western Coal and Mining Company.

Mine No. 18 of the Western Coal and Mining Company, located one mile east of Franklin, on a switch off the Missouri Pacific railway, produced 83,937 tons of coal, employed 313 men and worked 97 days during the half year. Wm. Martin, mine foreman.

This mine is practically a new mine and a good coal producer. The mine was inspected on July 20 by Deputy Inspector Kotzman, and he ordered several doors put up and phones repaired. On July 27 Sherwood visited the mine in answer to a complaint from the shot firer about windy shots. On July 29 Sherwood and Paisley found the air not sufficient in the third north on west side and ordered the air current increased. On August 27 Sherwood could not get a reading in fourth north on east; ordered entry stopped until sufficient air is brought to the face. On September 11 Sherwood ordered considerable loose rock taken down all over the mine. September 13 Sherwood ordered wash-house kept in clean and sanitary condition. On October 4 Kotzman ordered the push-bell (air bell) inverted. October 19 Paisley inspected the mine and ordered all north entries and stub entry on east side of mine, except the first north, stopped on account of not having sufficient air. October 25 Kotzman ordered volume of air increased. November 23 Paisley ordered the mine closed until sufficient air is brought to face for men. November 29 Paisley found air current considerably increased, but ordered some timbering done in various places in the mine. We had considerable trouble in this mine on account of bad ventilation, but this trouble is now overcome.

Mine No. 19 of the western Coal and Mining Company is located one and a half miles northeast of Franklin, on a switch off the Missouri Pacific railway. This mine is 205 feet deep, 8 by 13 feet in size, is equip-



## State inspector of coal mines reports

*Report Ending December 31, 1915.*

101

ped with a 16-foot fan, which runs at about 55 revolutions per minute. The mine produced 32,938 tons of coal, employed 254 men and worked 47 days during the half year ending December 31, 1915. This mine was shut down during the first quarter. George McQueen, mine foreman.

Deputy Mine Inspector Sherwood inspected this mine on October 26, and found the mine in very good condition. He ordered telephones installed and the signal bell at the bottom inverted as a safety precaution. Kotzman visited the mine on November 26 in answer to a complaint regarding the washhouse. He ordered the sprays cleaned and the washhouse kept in good condition. On December 27 Deputy Inspector Paisley ordered a vestibule built at the west door of the washhouse.

Mine No. 17 of the Wear Coal Company is located at Dunkirk, and is connected by switch to the Missouri Pacific and Santa Fe railways. The mine gave employment to 209 men, produced 58,916 tons of coal and worked 93 days during the half year. The mine is 178 feet deep and is equipped with a 14-foot fan. Gus Lindburg, mine foreman.

Deputy Inspector James Sherwood inspected this mine on September 7 and ordered telephones put in, manholes cleaned out and motor parting timbered. On September 27 Sherwood found considerable loose rock, which he ordered taken down or timbered. On October 1, in answer to a complaint from the mine, Sherwood ordered telephone put in working condition and volume of air increased in tenth south. On October 22 Sherwood found that all his recommendations were being complied with, and returned on October 27 and found them all carried out. On December 7 Sherwood found the mine considerably short of air in many places, and ordered some portions of the mine stopped until air was brought up to face. December 8 Sherwood visited the mine to find out what progress was being made to get sufficient air in the mine. He made a number of recommendations which will better air conditions considerably. Sherwood again visited the mine on December 11 and found most of his recommendations carried out and the other being worked on. This is a rather old mine and requires constant attention to keep it in good condition.

Mine No. 19 of the Wear Coal Company is located one and one-half miles north of Dunkirk, on a switch off the Missouri Pacific railway. The mine produced 81,257 tons of coal, worked 101 days and gave employment to 250 men during the half year. James Delaney, mine foreman.

This mine was inspected by Kotzman on August 20, and he ordered telephones repaired and all loose rock taken down or timbered. On September 8 Sherwood found the mine in fair condition. He ordered roads cleaned and sprinkled and push-bell on bottom inverted to put it in safer condition. On October 5 Sherwood inspected the mine and found the bathroom too small; ordered same made larger and phones repaired. On November 1 Sherwood visited the mine and examined the cages, guides and drum of hoisting engine; and ordered drum repaired, improved safety catches put on and new ropes put on the cages. On November 2 Sherwood found a good many entries in the mine short of air. He ordered air brought to face, loose rock taken down and roads cleaned and sprinkled. Paisley inspected the mine on November 12 and ordered coal dust in mine cleaned up, telephones put in working condition and washhouse addition completed at once. He again visited the mine on November 26 and ordered the washhouse repaired, steam pipes covered to protect men, bathroom enlarged and a vestibule built over the door. Sherwood on December 1 found the mine in fair condition; ordered roads cleaned and sprinkled. Kotzman on December 6 found the mine lacking in air in many places; ordered air brought up to face.

Mine No. 20 of the Wear Coal Company is located three and a half miles northwest of Pittsburg, and is connected by switch to the Mis-

## State inspector of coal mines reports

102

### *State Coal Mine Inspection*

souri Pacific railway. The mine is 116 feet deep and is equipped with a 12-foot fan. The mine gave employment to 84 men, worked 110 days and produced 28,584 tons of coal during the half year. Sam Gort, foreman.

Deputy Inspector James Sherwood inspected this mine on July 21 and found considerable loose rock on roadways; ordered it timbered or taken down and bottom timbered. Kotzman inspected the mine on July 27 and ordered a general overhauling of the mine air courses. Kotzman on September 7 ordered man holes put in, and found that all his previous instructions were carried out.

Mine No. 21 of the Wear Coal Company is located one mile west of Franklin, on a switch off the Missouri Pacific railway. The mine produced 28,465 tons of coal, worked 37 days and gave employment to 259 men during the half year. Dan Haskins, foreman.

Deputy Inspector Paisley visited the mine on November 3 and recommended that the bathhouse be kept in more clean and sanitary condition, lockers repaired and a sufficient supply of water furnished the men. This mine was not in operation during the months of July, August and September.

Mine No. 38 of the Central Coal and Coke company is located one-half mile northwest of Nelson, on a switch off the Kansas City Southern railway. The mine is 64 feet deep, is equipped with a 12-foot fan, which is kept running at about 55 revolutions per minute. This mine was abandoned during the first quarter.

Deputy Inspector Kotzman inspected the mine on July 26 and ordered water taken off roadways. On August 10 Sherwood ordered the mine closed until put in lawful condition by taking water off roadways, sprinkling some portions of the mine and getting sufficient air to the working faces. On August 16 Sherwood found all instructions carried out and allowed them to resume work provided they continue to improve conditions. On September 10 Sherwood ordered phones put in working condition and stoppings and curtains put in.

Mine No. 41 of the Central Coal and Coke Company, located one mile west and two miles north of Weir, is connected by switch to the Frisco railway. The mine produced 17,595 tons of coal, employed 51 men and worked 126 days during the half year. This is an old mine and will soon be abandoned. John White, mine foreman.

Deputy Mine Inspector Fred Green inspected this mine a number of times and made numerous recommendations which will better working conditions considerably.

Mine No. 45 of the Central Coal and Coke Company is located at Ringo Junction, on a switch off the Missouri Pacific railway. The mine is 235 feet deep and is equipped with a 16-foot fan. This is one of the largest coal-producing mines in the state, and produced 108,348 tons of coal, worked 117 days and employed 304 men during the half year. Lester Hollingsworth, mine foreman.

Deputy Inspector Sherwood inspected the mine on August 19 and 20 and ordered loose rock all over the mine taken down or timbered, roadways in portions of the mine cleaned and sprinkled, and leaky curtains repaired. On September 30 Paisley ordered loose rock in second south taken down or timbered before drivers haul coal out of it; also ordered manholes made at once. On October 5 Sherwood recommended that roads be kept free from dust. On October 18 Sherwood made a thorough inspection of the mine and found it in general good condition, a great improvement over former inspections. He ordered some loose rock timbered or pulled down and some dusty places on roadways cleaned and sprinkled. On November 20 Sherwood ordered dust on second east roadway cleaned off and roadway sprinkled; also some loose rock taken down on straight

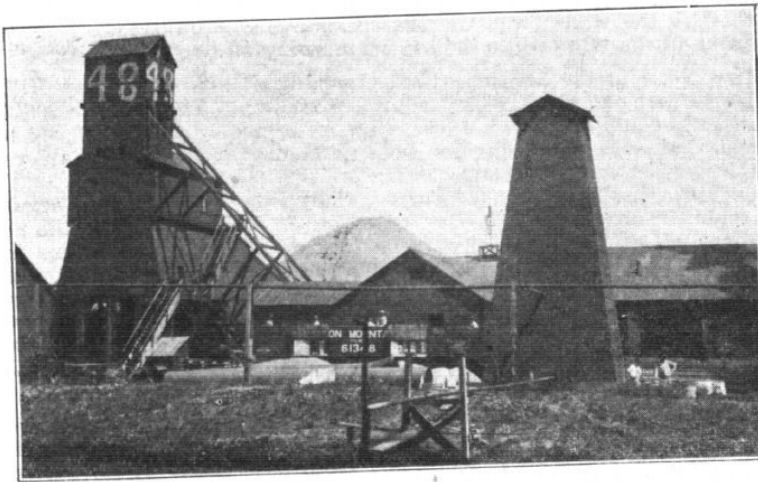


## State inspector of coal mines reports

*Report Ending December 31, 1915.*

103

and angle north. He ordered the bathhouse kept in more sanitary condition. On November 30 Sherwood ordered more air put in several entries in the mine and gave the foreman one day to get the air course cleaned out. On November 5 Sherwood ordered more lockers installed in the washhouse, window lights put in and the washhouse kept in clean and sanitary condition. On December 8 Sherwood again visited the mine and examined the second north entry on the east side, where he had ordered dust removed and roadway sprinkled; found same done; the roadways were sprinkled with salt, which kept them good and moist. On December 30 Sherwood visited the mine and ordered sufficient light and water supplied the men in the washhouse, and ordered that it be kept more clean and sanitary. This mine has required considerable attention from the inspectors during this period, but I am pleased to state that this mine is now in good condition.



Mine No. 48 of the Central Coal and Coke Company.

Mine No. 46 of the Central Coal and Coke Company is located three miles southwest of Pittsburg, and is connected by switch to the Frisco railway. The mine is 108 feet deep and is equipped with a 14-foot fan. It gave employment to 107 men, worked 112 days and produced 36,233 tons of coal during the half year. John Ryan, mine foreman.

Deputy Mine Inspector James Sherwood inspected this mine on July 23 and ordered the bathhouse kept in clean and sanitary condition, telephones in mine put in working condition, main west parting timbered, and water taken off roadways. This mine will soon be worked out.

Mine No. 48 of the Central Coal and Coke Company is located one mile north of Ringo, and is connected by switch to the Missouri Pacific railway. The mine is 225 feet deep and is equipped with an 18-foot fan. The mine gave employment to 261 men, worked 103 days and produced 85,712 tons of coal during the half year. This mine is one of the largest coal-producing mines in the state. Thomas Gillard, mine foreman.

Deputy Inspector Kotzman inspected this mine on August 19 and ordered loose rock all over the mine pulled down or timbered. On September 22 Kotzman made a thorough inspection of the mine and found it in fair condition. On October 20 Kotzman ordered roadways cleaned and sprinkled and loose rock taken down or timbered. Paisley visited the mine on November 15 and recommended that the boilers be examined by



## State inspector of coal mines reports

104

### *State Coal Mine Inspection*

a competent boilermaker, as the fireman was afraid of them. He also ordered vestibules built at the entrances to the washhouse.

Mine No. 49 of the Central Coal and Coke Company is located two and one-half miles northeast of Frontenac, and is connected by switch to the Frisco railway. The mine is 148 feet deep and is equipped with a 14-foot fan. The mine gave employment to 88 men, worked 68 days and produced 6995 tons of coal during the half year. This is a new mine, just being developed. Camile VanReat, mine foreman.

Deputy Inspector James Sherwood inspected this mine on July 27 and ordered the company to employ a competent fire boss to make an examination of the mine before the men enter their working places. Sherwood inspected the mine on November 19 and ordered loose rock all over the mine taken down or timbered and new springs put on safety catches on cages. An electric shot-firing device is installed at this mine, which fires the shots from the surface, making it unnecessary for any one to be in the mine while the shots are going off.

Mine No. 3 of the Sheridan Coal Company, located at Breezy Hill, is connected with the Kansas City Southern railway. The shaft is 208 feet deep and is equipped with a 16-foot fan. The mine produced 39,044 tons of coal, employed 198 men and worked 88 days during the half year. Wm. Edwards, mine foreman.

The mine was inspected on August 31 by Deputy Inspector Sherwood and found in fair condition. On September 30 Kotzman visited the mine and ordered that sufficient lockers be put in the washhouse and some lockers repaired. November 3 Sherwood ordered some loose rock pulled down and roadways cleaned and sprinkled. December 15 Sherwood ordered two new ropes put on cages. Sherwood again visited the mine on December 22 and ordered some cribbing put in air shaft and telephones repaired. All the recommendations made by the inspectors during this time have been carried out, which has put the mine in good condition.

Mine No. 4½ of the Sheridan Coal Company is located two miles north of Mulberry and is connected by switch to the Kansas City Southern railway. The mine produced 25,356 tons of coal, gave employment to 85 men and worked 124 days during the half year. Ed. Schooley, foreman.

The mine was inspected on October 14 by Deputy Inspector Martin Kotzman. He ordered the telephones in the mine put in working order and washhouse kept in clean and sanitary condition. Kotzman visited the mine on December 3, in answer to a complaint, and found the mine short of air and telephones in bad condition. He ordered more air put into the mine and the telephones repaired and kept in good condition. He again visited the mine on December 16 and found that his instructions were being carried out. This is a wet mine, and it seems that the operator can not keep the phones in good working condition on account of the dampness of the mine.

Mine No. 5 of the Sheridan Coal Company, located one and one-half miles south of Mulberry, is connected with the Frisco railway. This mine gave employment to 40 men, produced 5587 tons of coal and worked 49 days during the half year. There are only a few men working at this mine and it will soon be worked out.

Deputy Mine Inspector Kotzman inspected this mine on September 10 and found it in fair condition.

Mine No. 6 of the Dickinson Coal Company, located at Breezy Hill, is operated by the Sheridan Coal Company, and is connected to the Kansas City Southern railway. This mine gave employment to 179 men, who produced 56,668 tons of coal and worked 128 days during the half year. Ed. Solomon, mine foreman.

This mine was inspected by Inspector Kotzman on July 1, and he ordered some bad rock pulled down and washhouse repaired and kept in

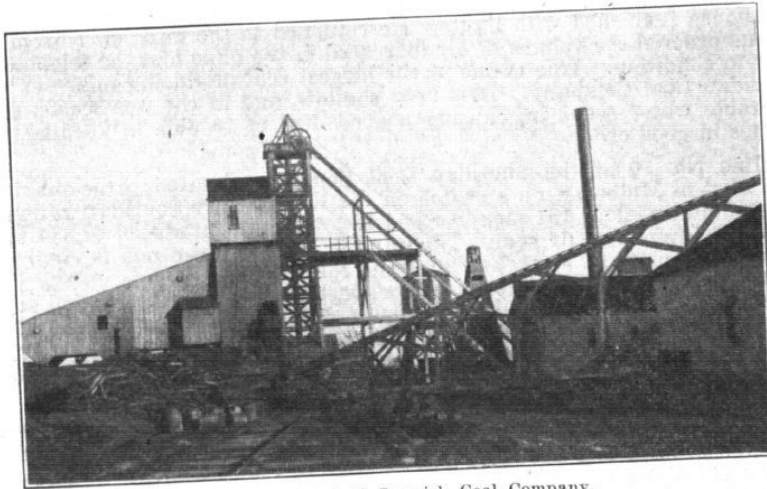


## State inspector of coal mines reports

*Report Ending December 31, 1915.*

105

sanitary condition. The Mine was inspected on August 31 by Kotzman, and he ordered the main north entry timbered or rock pulled down, and telephones repaired. On October 7 Kotzman condemned the east cage for hoisting or lowering men into or out of the mine on account of the top crosshead on the cage being broken. He again visited the mine on December 22 and ordered the north parting timbered, manway to be kept dry and phones kept in good condition. This mine has always been in fair condition and is one of the largest coal-producing mines of the Sheridan Coal Company.



Mine No. 7 of McCormick Coal Company.

Mine No. 7 of the McCormick Coal Company is located one and one-half miles southeast of Arma and is operated by the Sheridan Coal Company. The shaft is 226 feet deep and is equipped with a 16-foot fan. The mine gave employment to 98 men, produced 32,331 tons of coal and worked 117 days during the half year. It is connected with a branch off the Kansas City Southern and the Missouri Pacific railways. Obe Dray, foreman.

On July 22 Sherwood inspected the mine and found it in good condition. Kotzman, on October 19, recommended that some loose rock be taken down or timbered. The mine was again inspected by Sherwood on December 3 and he recommended that the mine be thoroughly sprinkled. This is a new mine and is equipped with an electric shot-firing device which fires the shots from the surface and makes it unnecessary for any one to be in the mine while the shots are going off. The mine had a good many dust explosions, causing a lot of damage to the mine, but since the humidifying system was installed and the mine thoroughly sprinkled it has decreased the number of explosions considerably. On July 17 a gas explosion occurred at this mine, in which Matt Krantz was killed, detailed report of which is given under the head of fatal accidents.

Mine No. 8 of the Sheridan Coal Company, located three-quarters mile south of Breezy Hill, is connected with the Kansas City Southern railway. This mine produced 34,790 tons of coal, gave employment to 151 men and worked 77 days during the year. Clem Ducobet, mine foreman.

On September 30 Deputy Inspector Kotzman ordered some bad rock pulled down or timbered, telephones repaired and manway put in safe condition. On November 3 he found four entries on the north side of the mine lacking in air and ordered the volume increased. He again



## State inspector of coal mines reports

106

### *State Coal Mine Inspection*

returned to the mine November 19 and found his recommendations made on former visits carried out and the mine in fair condition.

Mine No. 9 of the Howe Coal Company is located one mile and a half northwest of Mulberry, and is connected with the Kansas City Southern railroad. It gave employment to 162 men, worked 119 days and produced 52,322 tons of coal. George Ginther, mine foreman.

On July 20 Sherwood ordered considerable loose rock taken down or timbered. On August 26 Kotzman ordered the parting on first west on north side timbered and manholes cleaned out. On November 16 Kotzman ordered some of the air courses cleaned out, phones repaired and bathhouse furnished with lights. He returned to the mine on November 30 and ordered the volume of air increased in the mine and the telephones kept in condition. This is one of the largest coal-producing mines of the Sheridan Coal Company. It is very shallow, and in the wet season considerable water seeps in, causing a good deal of trouble in keeping the phones in good order.

Mine No. 10 of the Sheridan Coal Company, located three-quarters mile west of Mulberry, on a switch off the Kansas City Southern railway, gave employment to 181 men, worked 132 days and produced 67,534 tons of coal during the half year. The mine is 100 feet deep and is equipped with a 16-foot fan. John Yokum, mine foreman.

On October 4 Sherwood ordered the washhouse kept in clean and sanitary condition. On December 7 Paisley ordered some loose rock taken down, old telephones repaired and four new ones put in, also the volume of air increased. This mine has been kept in fairly good condition and little attention was necessary from this department.

Mine No. 11 of the Sheridan Coal Company is located at Gross, on a spur off the Frisco railway. This mine gave employment to 168 men, worked 126 days and produced 54,918 tons of coal during the half year ending December 31, 1915. The mine is 102 feet deep and is equipped with a 14-foot fan. Matt Redpath, mine foreman.

On November 22 Sherwood ordered loose rock taken down or timbered all over the mine. He found the air lacking in many places, and ordered the third stub off third west stopped until sufficient air was put in; also third south off first west, on account of not having sufficient air. The mine was again inspected on December 20 by Sherwood, and he found the volume of air increased. He ordered the telephones kept in working condition and manholes made. On Mr. Sherwood's first inspection of the mine he found it in very poor condition, but the improvements ordered by him have been made, which has improved the mine considerably.

Mine No. 12 of the Faulkner Coal Company, operated by the Sheridan Coal Company, is located one mile southwest of Gross, and is connected by switch to the Frisco railway. This mine worked 126 days, employed 89 men and produced 27,459 tons of coal during the half year. Schooley, mine foreman.

On August 25 Inspector Sherwood ordered the bathhouse put in clean and sanitary condition, pop valve on west boiler replaced, and bad rock in different places in the mine taken down or timbered. This mine was again visited on November 22 by Inspector Kotzman and he ordered some loose rock timbered or taken down; otherwise he found the mine in fair condition. This mine is a faulty mine and does not produce much coal on that account.

Mine No. 14 of the Faulkner Coal Company, operated by the Sheridan Coal Company, is located one mile and a half west and a mile south of Gross, and is connected by switch to the Frisco railway. This mine produced 27,246 tons of coal, gave employment to 81 men and worked 130 days during the half year. Walter Casselman, foreman.

On November 3 Paisley inspected this mine and ordered telephones



## State inspector of coal mines reports

*Report Ending December 31, 1915.*

107

installed on both sides of the mine and some loose rock taken down or timbered. The mine was again visited on November 22 by Deputy Inspector Kotzman, who found the mine lacking in air, he ordered the volume of air increased. This is also a faulty mine.

Mine No. 14 of the Crowe Coal Company, located at Croweburg, on a switch off the Frisco railway, gave employment to 180 men, worked 120 days and produced 72,474 tons of coal during the half year.

Deputy Mine Inspector Martin Kotzman visited this mine on November 24, in answer to several complaints, and found the mine in good condition.

Mine No. 15 of the Crowe Coal and Mining Company is located at Croweburg, on a switch off the Frisco railway. This mine worked 120 days, produced 49,749 tons of coal and gave employment to 130 men during the half year. Waste Geslein, mine foreman.

Deputy Inspector Kotzman inspected this mine on August 24 and ordered roadways cleaned and sprinkled and bad rock in several entries timbered or taken down. This mine is in good condition.

Mine No. 16 of the Crowe Coal and Mining Company is located at Croweburg, on a switch off the Frisco railway. This mine has been idle the half year ending December 31, 1915.

Mine No. 4 of the Clemens Coal Company is located at Mulberry, and is connected by switch to the Frisco railway. The mine produced 63,083 tons of coal, gave employment to 128 men and worked 136 days during the half year. William Rae, mine foreman.

Deputy Inspector Sherwood visited this mine on July 26 and ordered the washhouse kept in more sanitary condition. On August 13 Sherwood ordered washhouse roof repaired, lights put in and sprays put in good condition. Kotzman inspected the mine on November 2 and ordered loose rock pulled down or timbered and manholes cleaned out. The mine is in good condition.

Mine No. 10 of the Clemens Coal Company, located three miles north-east of Pittsburg, is connected by switch to the Frisco railway. The mine gave employment to 38 men, worked 131 days and produced 12,577 tons of coal during the half year. Frank Samples, mine foreman.

Deputy Inspector Kotzman inspected the mine on September 21 and ordered bad rock in the mine to be timbered or pulled down and all crosscuts made of lawful size. On December 16 Inspector Paisley inspected the mine and found it in poor condition, and ordered more air put into the west and south entries, curtains all over the mine to be repaired, and water taken off roadways. Paisley returned to the mine on December 20 and ordered telephones put in working condition. He found the mine greatly improved since his former visit. This is an old mine and will soon be abandoned.

Mine No. 11 of the Clemens Coal Company, located one mile north-west of Mulberry, on a switch off the Frisco railway, produced 81,001 tons of coal, worked 135 days and gave employment to 154 men. John Davidson, mine foreman.

Deputy Inspector Sherwood inspected this mine on August 26 and ordered bad rock taken down or timbered, volume of air increased in second north on west, and more lockers put in washhouse and that it be kept clean and sanitary. On October 4 Sherwood instructed the foreman to have the ropes greased often, as they were old, but they did not show any signs of getting bad. Sherwood on November 29 ordered all crosscuts in the mine to be made of lawful size. This mine is one of the best ventilated mines in the state and is in good condition.

Mine No. 15 of the Clemens Coal Company, located three miles north-west of Pittsburg, on a switch off the Frisco railway, is a new mine just being developed.

## State inspector of coal mines reports

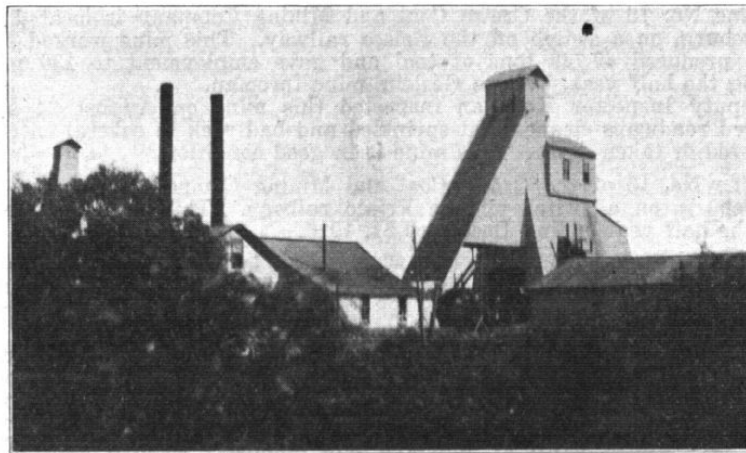
108

### *State Coal Mine Inspection*

Deputy Inspector Sherwood visited the mine on November 24 and found conditions good. The shots in the mine are fired by electricity. A Goodman mining machine is used in this mine and works very successfully. Mike Fleming, mine foreman.

Mine No. 16 of the Clemens Coal Company, located six miles north-east of Pittsburg, on a switch off the Santa Fe railway, is also a new mine just being developed.

The inspectors visited this mine several times during this period and found conditions good. Wm. Barker, mine foreman.



Mine No. 16 of the Clemens Coal Company.

Mine No. 6 of the Hamilton Coal and Mercantile Company is located one-fourth of a mile north of Cherokee, on a switch off the Frisco railroad. This mine gave employment to 96 men, worked 111 days and produced 26,184 tons of coal during the half year ending December 31, 1915. Gus Champ, mine foreman.

The mine was inspected on December 1 by Deputy Inspector Fred Green. He found the mine in poor condition with regard to ventilation. He gave the company ten days to improve the ventilation, and ordered loose rock all over the mine timbered or taken down. Inspector Green returned to the mine on December 15 and found conditions with regard to ventilation and loose rock greatly improved. The mine is now in fair condition.

Mine No. 7 of the Hamilton Coal and Mercantile Company, located at Radley, is connected to the Santa Fe railway. The mine is 186 feet deep and is equipped with a 14-foot fan. The mine produced 46,303 tons of coal, worked 109 days and employed 175 men. John Hobbs, mine foreman.

Deputy Inspector Sherwood visited this mine on July 13 and ordered the volume of air increased in many places in the mine; also doors put up. On October 27 Sherwood ordered manholes put in on main haulage ways and all cast-off wearing apparel laying in the washhouse removed. Sherwood again returned to the mine on December 29 and ordered considerable loose rock taken down or timbered. He found the mine in good condition in regard to ventilation.

Mine No. 8 of the Hamilton Coal and Mercantile Company, located one mile east of Arma, on a switch of the Missouri Pacific railway, gave

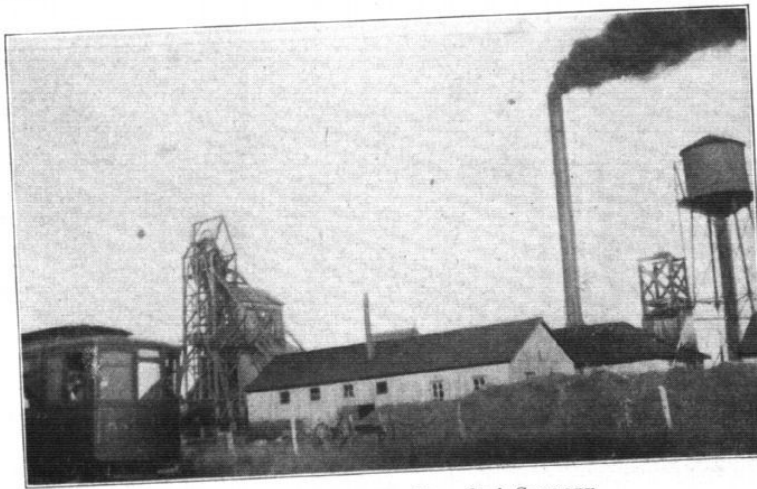


*Report Ending December 31, 1915.*

109

employment to 202 men, worked 108 days and produced 68,884 tons of coal. John Fulton, mine foreman.

Deputy Inspector Paisley inspected this mine on September 18 and ordered roadways cleaned, water taken off traveling way, loose rock all over the mine taken down or timbered, and telephones put in working condition at once; also recommended that push-bell on bottom be inverted. On December 9 Paisley ordered considerable loose rock taken down or timbered, volume of air increased in several entries, and all crosscuts be made of lawful size and not more than forty feet apart.



Mine No. 8 of the Hamilton Coal Company.

Paisley again inspected the mine on December 15 and examined the ropes and safety catches; ordered link in chain on safety catch on east cage changed.

Mine No. 7 of the Girard Coal Company, located at Radley, on a switch off the Santa Fe railway, gave employment to 187 men, worked 107 days and produced 51,114 tons of coal during the half year. This mine is 180 feet deep and is equipped with a 16-foot fan. Wm. Hudson, mine foreman.

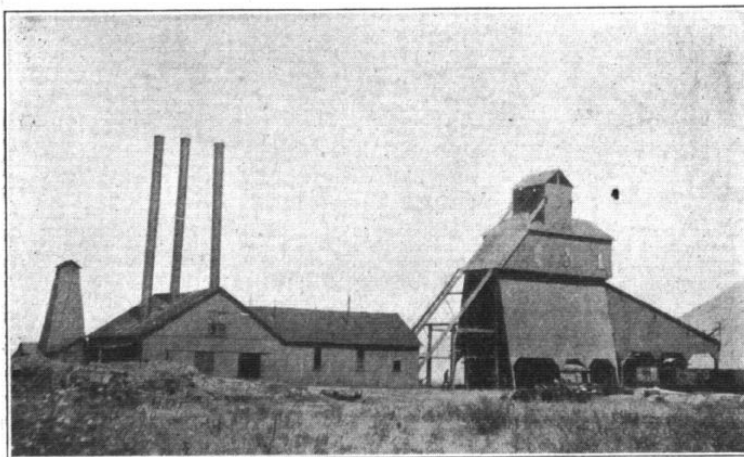
Deputy Inspector Sherwood inspected this mine on July 1 and ordered new rope put on, trip rider or drag put on motor trip, floor in bathhouse repaired, manholes cleaned out, and sprays in bathhouse cleaned. On July 14 Sherwood ordered new planks put on floor of cages, bad rock timbered or taken down all over the mine. On July 17 Sherwood ordered corrugated iron or bottom sealed overhead to keep cagers dry, and dust cleaned off roads and roads sprinkled. On September 28 Sherwood ordered roadways cleaned and sprinkled, fourth east parting on north side retimbered, and phones extended to seventh north off straight east, and phone put in at fourth north parting. Sherwood again returned to the mine on December 28 and found a great improvement in conditions since his previous visit.

Mine No. 8 of the Pittsburg Northern Coal Company, located one and one-half miles east of Franklin, on a switch off the Missouri Pacific railway, gave employment to 167 men, worked 63 days, and produced 30,784 tons of coal during the half year. Joe Ruchaber, foreman.

Deputy Inspector Paisley visited this mine on October 22 and ordered telephones repaired, curtains made airtight, timbers in mine to be replaced by new ones, and sprays in bathroom repaired.

Mine No. 9 of the Girard Fuel Company is located one and one-half miles northwest of Arma, on a switch off the Missouri Pacific railway. The mine gave employment to 130 men, worked 22 days, and produced 7001 tons of coal.

Deputy Inspector Kotzman inspected the mine on July 19 and ordered the bottom on northside retimbered, manway leading to air shaft cleaned up, and volume of air increased in several entries in the mine. On July 20 he again returned to the mine and found all his instructions carried out and the mine in good condition. The mine was closed down during the last quarter of the half year. Harry Haigh, foreman.



Mine No. 5 of the Chapman Coal Company.

Mine No. 5 of the Chapman Coal Company is located one and one-half miles north of Croweburg, and is connected by switch to the Frisco railway. The mine gave employment to 220 men, worked 123 days and produced 77,055 tons of coal during the half year. Frank Wolfe, foreman.

Deputy Inspector Kotzman visited this mine on September 20 and recommended that steam pipes be put under the lockers in washhouse to dry the men's clothing. Kotzman again visited the mine in answer to a complaint regarding the washhouse, and ordered lights furnished and doors repaired. He inspected the mine and found it in good condition.

Mine No. 1 of the Nevius Coal Company, located two miles west of Pittsburg, on a switch off the Frisco railroad, gave employment to 45 men, worked 101 days and produced 15,177 tons of coal during the half year. The mine is 97 feet deep and is equipped with a 14-foot fan. Eugene Lupens, mine foreman.

Deputy Inspector Paisley inspected this mine on August 26 and ordered roadways cleaned and volume of air increased in many entries in the mine. On September 21 Deputy Inspector Paisley again inspected the mine and ordered the volume of air increased all over the mine, telephones repaired, and lights and sprays put in bathhouse. This is an old mine and will soon be worked out.

Mine No. 6 of the Nevius-Coulter Coal Company, located at Radley, on a switch off the Santa Fe railway, gave employment to 113 men, worked 121 days and produced 45,314 tons of coal during the half year. Joe Gladys, mine foreman.



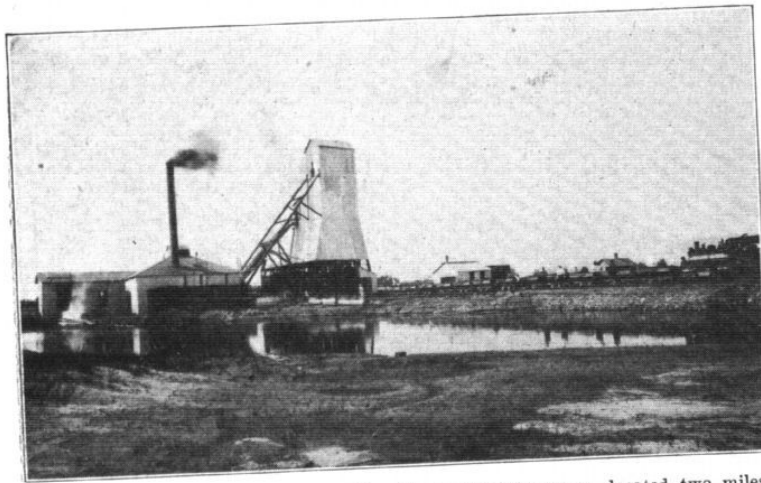
## State inspector of coal mines reports

*Report Ending December 31, 1915.*

111

Deputy Inspector Sherwood visited this mine on August 23 and ordered washhouse floor repaired, roof repaired and bathhouse kept in clean and sanitary condition. This is an old mine and will be worked out in the near future unless more coal land is bought or leased by the company.

Mine No. 1 of the J. R. Burnett Coal Company, leased and operated by J. H. Price & Sons Coal Company, located one and one-fourth miles southwest of Curranville, gave employment to 70 men, produced 26,833 tons of coal and worked 119 days during the half year. Tom Price, mine foreman.



Tipple of the Smith, Scott & White Contracting Company, located two miles south of Chicopee, Kan., showing a trip of loaded cars being hauled to the tipple by a locomotive.

Deputy Inspector Paisley visited this mine on September 20 and ordered curtains all over the mine repaired, loose rock taken down or timbered, push-bell on bottom to be inverted, windows and lights put in bathhouse, and stopped the lowering and hoisting of men into and out of the mine until the cages were tightened up and safety catches repaired. On October 2 Paisley ordered considerable loose rock taken down or timbered, traveling way to manway cleared of water and rock, ropes greased and cages put in good condition. Inspector Paisley again returned to the mine on October 18 and found that all previous recommendations were carried out and the mine in fair condition.

Mine No. 6 of the F. E. Doubleday Coal Company, located at Coalvale, and connected by switch with the Frisco railroad, is 56 feet deep, and is equipped with a 14-foot fan. The mine gave employment to 107 men, worked 141 days and produced 45,253 tons of coal during the half year. Charles Spensberger, mine foreman.

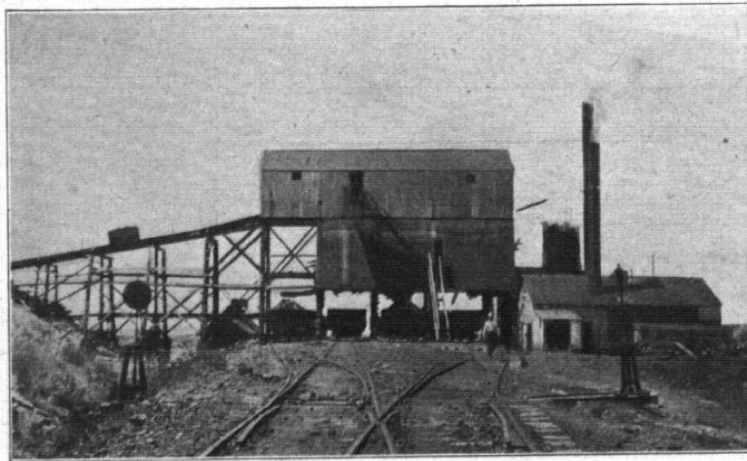
Deputy Inspector James Sherwood inspected the mine on August 5 and ordered a new rope put on south cage and rope on north cage greased. He found the mine in good condition. He again visited the mine on September 24 and ordered some loose rock taken down or timbered, and traveling way to air shaft cleaned out. He found the mine in fair condition on this visit.

Mine No. 7 of the Spencer-Newland Coal Company, located one mile south of Mulberry, on a switch off the Frisco railway, is 130 feet deep and



equipped with a 14-foot fan. The mine gave employment to 140 men, worked 122 days and produced 50,845 tons of coal during the half year. Herman Haymont, mine foreman.

Deputy Inspector Sherwood inspected this mine on August 17 and found it in fair condition. He ordered some loose rock timbered or taken down, north side of bottom retimbered and roadways cleaned and sprinkled, and volume of air increased in several entries in the mine. On August 24 Sherwood visited the mine in answer to a complaint. He found it in fair condition. On October 1 Inspector Paisley ordered some loose rock taken down or timbered and the volume of air increased in



Tipple of the Ellsworth-Klaner Construction Company, located south of Chicopee.

several places in the mine. On October 13 Sherwood found the ventilation lacking on account of a squeeze partly closing up an air course, and ordered same cleaned out; also ordered washhouse cleaned out and kept in better condition. On November 16 Sherwood ordered the volume of air increased in parts of the mine where lacking, and ordered three boys out of the mine who were working and under sixteen years of age. Sherwood again visited the mine on December 2 and made a careful and thorough inspection and found the mine in good condition.

Mine No. 2 of the Katy Coal Company, located one and one-half miles southeast of Radley, is connected by switch to the Santa Fe railway. The mine produced 34,806 tons of coal, gave employment to 144 men and worked 128 days during the half year. Joe Gladys, mine foreman.

Deputy Inspector Sherwood visited the mine on July 2 and ordered a gas board put up on the surface and work on the bathhouse rushed. On September 7 Deputy Paisley found the bathhouse in good condition and steam and water pipes all connected. On November 15 Sherwood ordered a heating system put in bathhouse to dry the men's clothing, and washhouse kept clean and sanitary. On November 22 Sherwood visited the mine and ordered gates put on at landing and back of shaft closed up and manway or some means for ingress and egress of men made at once. This is an up-to-date mine and promises to be one of the largest coal-producing mines in the state. An all-steel tipple is erected at this mine, the first to be erected in the state. An electric shot-firing device is being installed in the mine.

Mine No. 1 of the Geo. T. McGrath Coal Company is located four miles southwest of Pittsburg, on a switch off the Frisco railroad. The mine



*Report Ending December 31, 1915.*

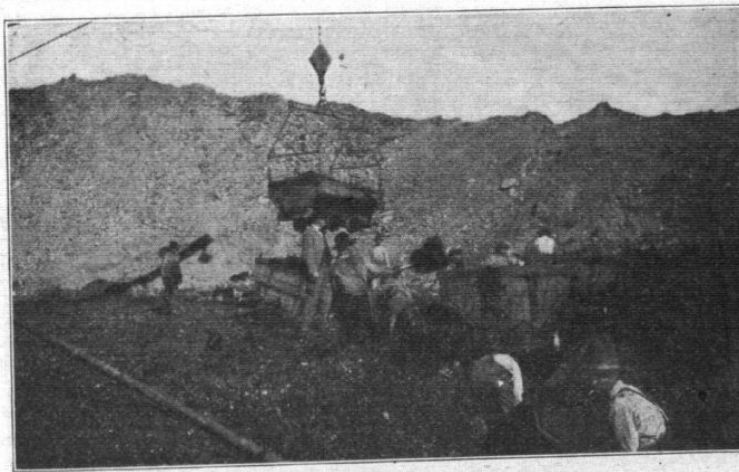
113

produced 22,442 tons of coal, employed 67 men and worked 117 days during the half year. Geo. T. McGrath, mine foreman.

The mine was inspected a number of times by the inspectors, who made recommendations which have put the mine in fair condition.

### CHEROKEE COUNTY.

Cherokee county is gradually decreasing in the matter of coal production, but still retains its place as the second largest coal-producing county in the state.



Smith, Scott & White Construction Company strip mine, showing a loaded car being picked up.

During the last half of the calendar year 1915 Cherokee county produced 844,125 tons of coal, or 23.1 per cent of the coal production of the state. Twenty-three deep mines in this county produced 665,912 tons of coal, and the eleven strip pits produced 178,213 tons of coal. A total of 51,436 twenty-five-pound kegs of black powder, and approximately 32,259 pounds of dynamite were consumed by the 2380 men employed at the mines and strip pits to produce the above tonnage.

Mine No. 42 of the Central Coal and Coke Company, located three miles southwest of Scammon, is connected by switch to the Frisco railway, is 59 feet deep, and is equipped with a 12-foot fan. The mine gave employment to 141 men, worked 103 days and produced 49,878 tons of coal during the half year. John Young, foreman.

On July 27 Deputy Mine Inspector Fred Green inspected this mine and ordered several entries closed on account of lack of ventilation, ordered the volume of air increased, water taken off roads, and roads cleaned. On September 14 Inspector Green again returned to the mine and found conditions fair, with the exception of the roads on the south side of the mine. He ordered these roads better taken care of.

Mine No. 43 of the Central Coal and Coke Company is located one mile west and two miles north of Scammon, and connected with the Frisco and M. K. & T. railways. The mine is 48 feet deep and is equipped with a 12-foot fan. The mine produced 50,079 tons of coal, worked 104 days and gave employment to 137 men during the half year. Robert Murray, mine foreman.

Deputy Inspector Green inspected this mine on July 29 and ordered the mine closed until the mine was put in lawful condition. The air was lack-

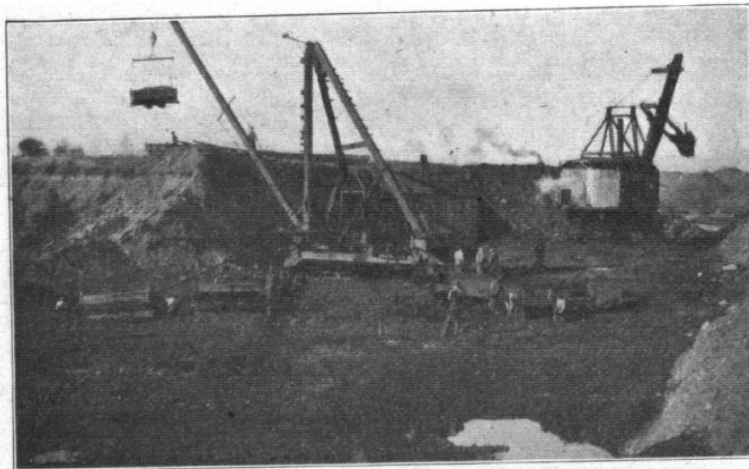


## State inspector of coal mines reports

114

### *State Coal Mine Inspection*

ing all over the mine and roadways were wet and muddy. On September 9 Green found the roads again in a muddy condition and gave the company ten days to get them cleaned. On October 19 Inspector Green ordered new cribbing put in escapement shaft. On November 19 Green found the mine lacking in air and ordered more air put to working faces. On November 23 Green found the air greatly improved and the mine in considerably better condition. This is an old mine and is shallow and a good deal of water seeps through from the surface and from cave holes, which makes it very hard to keep the roads in good condition. This is an old mine and will soon be worked out.



Smith, Scott & White Construction Company strip mine, showing how the loaded cars are picked up out of the pit and deposited on the surface, from where engine will gather them and pull them to the tippie.

Mine No. 44 of the Central Coal and Coke Company, located three miles west of Weir, on a switch off the Frisco railway, produced 16,734 tons of coal, gave employment to 48 men and worked 150 days during the half year. Thomas Scott, foreman.

Deputy Inspector Fred Green inspected this mine a number of times during the half year and made numerous recommendations, which were carried out and put the mine in fair condition. This is an old mine and will soon be worked out.

Mine No. 18 of the J. R. Crowe Coal and Mining Company is located three miles south of Scammon, on a switch off the Frisco railway. This mine is 48 feet deep and is equipped with a 12-foot fan. It gave employment to 127 men, worked 105 days and produced 40,845 tons of coal. John Maxwell, jr., mine foreman.

Deputy Inspector Fred Green inspected this mine on July 20 and found it in poor condition with regard to ventilation, and the roadways were in dangerous condition on account of broken timbers and props being knocked out. He closed the mine until put in lawful condition. Inspector Green returned to the mine on July 23 and found that all his recommendations were carried out and the mine in good condition. On September 13 Green ordered the roads cleaned. On November 30 Green again inspected the mine and demanded the broken timbers on bottom replaced by new ones, also ordered traveling way cleaned and water taken off roads.

Mine No. 19 of the J. R. Crowe Coal and Mining Company is located four miles southwest of Scammon, on a switch off the Frisco railway.



## State inspector of coal mines reports

*Report Ending December 31, 1915.*

115

This mine is 40 feet deep and is equipped with a 12-foot fan. The mine produced 14,701 tons of coal, worked 57 days and employed 86 men. Charles Hiller, mine foreman.

Deputy Inspector Green inspected this mine on October 8, after it had been closed down for some time. He found the volume of air at the face very poor, ordered it increased, and gave the company ten days' time to do so. On December 7 Green inspected the mine and found air conditions fair, but condemned the traveling way on account of being in a wet and muddy condition, and also found falls of rock and demanded that they be cleaned up. He also ordered the company to build an addition to the washhouse, as the one in use was too small.



Mine No. 20 of the J. R. Crowe Coal and Mining Company.

Mine No. 20 of the J. R. Crowe Coal and Mining Company, located four miles southwest of Scammon, on a switch off the Frisco railway, is 55 feet deep and is equipped with a 12-foot fan. The mine gave employment to 203 men, produced 90,553 tons of coal and worked 113 days during the half year. Wm. Williams, foreman.

Deputy Inspector Fred Green inspected this mine on July 12 and found conditions fair, ordered numerous doors put up in different places in the mine; also made numerous other minor recommendations. He returned to the mine on July 21 and found all recommendations of July 12 carried out. Green again returned to the mine on December 17 and made a thorough inspection and found several entries in the mine lacking in air, and ordered the volume increased in the entries lacking, but otherwise he found the mine in good condition. This mine is one of the largest coal-producing mines in the state of Kansas.

Mine No. 7 of the Fidelity Coal Mining Company, operated under lease by Mike Walsh, located two and one-half miles northwest of Scammon, is connected with the Missouri Pacific railway. The mine is 150 feet deep and is equipped with a 12-foot fan. The mine gave employment to 153 men, worked 127 days and produced 42,224 tons of coal during the half year. Mike Walsh, foreman.

Deputy Inspector Fred Green inspected this mine on July 1, and ordered a new rope put on, cement floor put in bathroom of washhouse, and addition built and more lockers put in, and doors put up in mine to get more air in circulation. Green returned to the mine on July 15 and found all his recommendations complied with. On December 10





Green ordered manholes made on motor road and new sheave wheel put on west cage at once. Green again returned to the mine on December 21 and found all recommendations carried out and the mine generally in fair condition.

Mine No. 8 of the Fidelity Coal Mining Company, operated under lease by the Corsini Coal Company, located two miles north of Mineral and connected by switch to the Missouri, Kansas and Texas railway, is 152 feet deep and equipped with a 12-foot fan. The mine worked 135 days, produced 23,029 tons of coal and gave employment to 79 men during the half year. R. Corsini, mine foreman.

Deputy Inspector Green inspected this mine on November 26 and found it in bad condition with regard to ventilation. He gave the company one week to put the mine up to the requirements of the law. On December 3 he returned to the mine and found air conditions much better than on November 26 and the mine in fair condition.

Mine No. 9 of the Fidelity Coal Mining Company, operated under lease by Francis Ryan, located at Stone City on a switch off the M. K. & T. railway, produced 11,145 tons of coal, employed 144 men and worked 27 days during the half year. Francis Ryan, mine foreman.

Inspector Green visited this mine several times during the half year and made recommendations which have put the mine in fair condition. This is an old mine and will soon be worked out and abandoned. It was not in operation during the last quarter.

Mine No. 11 of the Fidelity Coal Mining Company is located three miles northeast of Mineral and connected by switch to the M. K. & T. railway. The mine gave employment to 43 men, worked 133 days and produced 13,260 tons of coal. Mike Wagner, mine foreman.

Deputy Inspector Green inspected the mine on July 16 and ordered doors put up at different places in the mine, stairs put in the air shaft and lockers in the bathhouse. On August 16 Green found the air poor all over the mine, and ordered the volume of air increased and brought to the working faces. On November 24 Green found the mine in good condition. This is a new mine and has just been opened up.

Mine No. 1 of the Mayer Coal Company is located one mile southeast of Mineral, on a switch off the M. K. & T. railway, and is operated under lease by Joseph Ryan. This is an old mine and will be abandoned in the near future. Inspector Green inspected this mine on July 2 and found it in poor condition and ordered the volume of air increased. He returned to the mine on July 16 and found conditions greatly improved. Joseph Ryan, foreman.

Mine No. 4 of the Mayer Coal Company, leased to O'Leary & Burke Coal Company, is located four miles north of Scammon, on a switch off the Missouri Pacific and Frisco railways. The mine worked 125 days, produced 29,840 tons of coal and gave employment to 130 men. John O'Leary, mine foreman.

Deputy Inspector Green visited this mine on August 17 and condemned the rope on the north cage and ordered a new rope put on and also traveling way to manway cleaned out. On December 9 Green again visited the mine and found several entries lacking in air, and ordered the volume increased.

Mine No. 5 of the Mayer Coal Company, leased to Joseph Ryan, is located two miles south of Mineral on a switch off the M. K. & T. railway. The mine worked 132 days, produced 27,872 tons of coal and worked 73 days during the half year. Joseph Ryan, mine foreman.

Deputy Inspector Green inspected this mine on August 31 and found that all his previous recommendations had been carried out and the mine in good condition.



## State inspector of coal mines reports

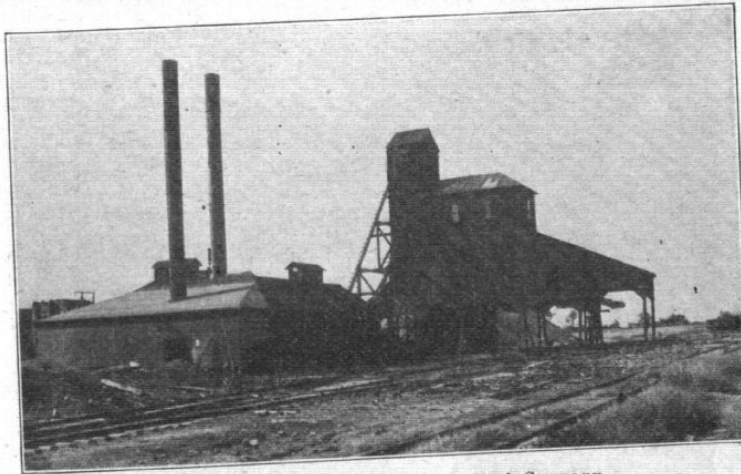
*Report Ending December 31, 1915.*

117

Mine No. 6 of the Mayer Coal Company, located three miles northwest of Mineral, on a switch off the M. K. & T. railway, is 150 feet deep and is equipped with a 12-foot fan. The mine worked 127 days, produced 43,709 tons of coal and gave employment to 131 men during the half year. Mike Walsh, mine foreman.

Deputy Mine Inspector Fred Green inspected this mine on September 8 and found the mine in good condition. He recommended that doors be put up to get a greater volume of air to the working faces, all airways to be made of lawful size and bathhouse kept in clean and sanitary condition.

Mine No. 9 of the Clemens Coal Company is located three and one-half miles southwest of Scammon, on a switch off the Frisco railroad. The mine gave employment to 100 men, worked 91 days and produced 46,297 tons of coal during the half year. Francis Keegan, mine foreman.



Mine F of the George K. Mackie Fuel Company.

Deputy Inspector Green inspected this mine thoroughly on August 30 and found conditions greatly improved since his former visits.

Mine No. 2 of the Cherokee Crescent Coal Company, known as the Star mine, is located one and one-fourth miles northeast of Carona, and is connected by switch to the Missouri Pacific railway. The mine produced 45,894 tons of coal, worked 94 days and employed 154 men. William Green, mine foreman.

Deputy Inspector Fred Green inspected this mine on July 6 and ordered five doors put up, addition built to washhouse and cement floor put in. On September 22 Green found the traveling way to the manway in dangerous condition, and ordered it attended to at once; otherwise the mine was in fair condition. On November 9 Green examined the traveling way and found it in good condition; ordered more lockers put in washhouse. Green again inspected the mine on December 23 and found it in fair condition and all previous recommendations carried out.

Mine No. 15 of the M. K. & T. Coal Department is located one mile northeast of Mineral, on a switch off the M. K. & T. railway. This mine produced 19,257 tons of coal, employed 56 men and worked 127 days during the half year. Ed Ryan, mine foreman.

## State inspector of coal mines reports

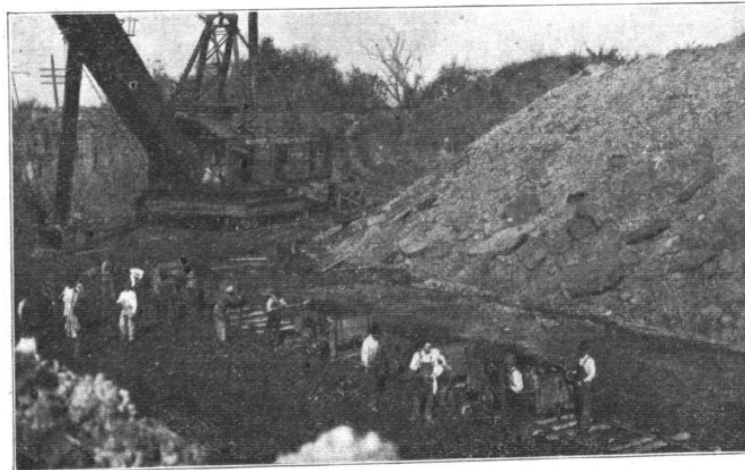
118

### *State Coal Mine Inspection*

Deputy Inspector Green inspected the mine on October 15 and found conditions fair, but the ropes in bad condition, and ordered new ones put on. He returned to the mine on November 1 and 2 and found that ropes were not put on yet. He closed the mine, as the condition of one of the ropes was too bad to allow the lowering and hoisting of men. On November 6 he returned to the mine and found the ropes put on, and allowed them to start to work.

Mine No. 16 of the M. K. & T. Coal Department, located one and one-half miles southeast of Mineral, is connected by switch to the M. K. & T. railway. The mine gave employment to 56 men, worked 127 days and produced 19,257 tons of coal during the half year. T. Reidy, mine foreman.

Deputy Inspector Green inspected the mine on October 22 and found conditions fair. This is an old mine and is nearly worked out.



Working face of the strip mine of the Patton Coal Company, located northwest of Frontenac, Kan.

Mine F of the George K. Mackie Fuel Company is located two and one-half miles southwest of Scammon, and connected with the Frisco and M. K. & T. railways. The mine produced 59,698 tons of coal, employed 149 men and worked 107 days during the half year. George Jenkins, mine foreman.

Inspector Green made several visits to this mine and found it in fair condition. He made numerous recommendations, which were carried out.

Mine No. 8½, Columbus Coal Company, located two and one-half miles southwest of Turck, is connected with the Frisco railway. The mine produced 6,379 tons of coal, worked 120 days and employed 12 men. This mine was formerly No. 8 of the Columbus Coal Company, and was leased and turned into a slope by Newland, Liggett & Co. John Newland, mine foreman.

Deputy Inspector Green inspected the slope on September 17 and ordered the mine closed until enough air is brought to face to supply miners. On October 26 Green found it in good condition. On December 8 Green ordered washhouse kept in clean and sanitary condition.



*Report Ending December 31, 1915.*

119

### LEAVENWORTH COUNTY.

Leavenworth county is still the third largest coal-producing county in the state. During the last half of the calendar year 1915 this county produced 104,367 tons of coal, or 2.7 per cent of the entire state production. At present there are only three mines in this county outside of the State Penitentiary mine. Mine No. 1 of the Home-Riverside Coal Company has been idle during this period.

### OSAGE COUNTY.

During the last half of the calendar year 1915 there were twenty-three mines in operation in this county, and produced 51,453 tons of coal, or 1.4 per cent of the state's production, gave employment to 583 men, and worked an average of 80 days. The coal in this county is all mined on the long-wall system of mining, and the coal vein runs from thirteen to twenty-four inches in thickness.

### LINN COUNTY.

During the last half of the calendar year 1915 Linn county produced 6889 tons of coal, gave employment to 60 men, and worked an average of about 90 days. This is the smallest coal-producing county in the state. Only three shaft openings were in operation during this period.



## State inspector of coal mines reports

COAL-MINING INDUSTRY IN CRAWFORD COUNTY FOR THE LAST HALF OF CALENDAR YEAR 1915.

Office No.	NAME OF OPERATOR.	Postoffice address.	Name or number of mine.	Name of superintendent.	Location of mine.
1	Jackson-Walker Coal & Mining Co.	Frontenac	9	Joseph Fletcher	1 mile northeast of Frontenac.
2	Jackson-Walker Coal & Mining Co.	Frontenac	11	Joseph Fletcher	5 miles north of Pittsburg.
3	Jackson-Walker Coal & Mining Co.	Frontenac	14	Joseph Fletcher	Capaldo.
4	Jackson-Walker Coal & Mining Co.	Frontenac	15	Joseph Fletcher	2½ miles northwest of Frontenac.
5	Western Coal & Mining Co.	Pittsburg	10	Phil Rooser	Fleming.
6	Western Coal & Mining Co.	Pittsburg	13	Phil Rooser	1½ miles west of Yale.
7	Western Coal & Mining Co.	Pittsburg	14	Phil Rooser	1 mile northwest of Fleming.
8	Western Coal & Mining Co.	Pittsburg	15	Phil Rooser	1 mile northeast of Franklin.
9	Western Coal & Mining Co.	Pittsburg	16	Phil Rooser	¼ mile west of Franklin.
10	Western Coal & Mining Co.	Pittsburg	18	Phil Rooser	Franklin.
11	Western Coal & Mining Co.	Pittsburg	19	Phil Rooser	Franklin.
12	Weir Coal Co.	Pittsburg	17	Chas. Davis	7 miles northwest of Pittsburg.
13	Weir Coal Co.	Pittsburg	19	Chas. Davis	1½ miles north of Dunkirk.
14	Weir Coal Co.	Pittsburg	20	Chas. Davis	3 miles northwest of Pittsburg.
15	Weir Coal Co.	Pittsburg	21	Chas. Davis	Edison.
16	Central Coal & Coke Co.	Kansas City	41	W. C. Ernhart	3 miles northeast of Weir.
17	Central Coal & Coke Co.	Kansas City	45	W. C. Ernhart	Ringo Junction.
18	Central Coal & Coke Co.	Kansas City	46	W. C. Ernhart	3¼ miles west of Pittsburg.
19	Central Coal & Coke Co.	Kansas City	48	W. C. Ernhart	Nelson.
20	Central Coal & Coke Co.	Kansas City	49	W. C. Ernhart	3¼ miles northeast of Frontenac.
21	Sheridan Coal Co.	Mulberry	3	E. M. Roberts	East of Breezy Hill.
22	Sheridan Coal Co.	Mulberry	5	E. M. Roberts	1½ miles south of Mulberry.
23	Sheridan Coal Co.	Mulberry	8	E. M. Roberts	2 miles northwest of Fuller.
24	Sheridan Coal Co.	Mulberry	10	E. M. Roberts	1 mile west of Mulberry.
25	Sheridan Coal Co.	Mulberry	11	E. M. Roberts	½ mile northwest of Gross.
26	Howe Coal Co.	Mulberry	9	E. M. Roberts	1½ miles northwest of Mulberry.
27	McCormick Coal Co.	Mulberry	4	E. M. Roberts	3¼ miles southwest of Mulberry.
28	McCormick Coal Co.	Mulberry	7	E. M. Roberts	1¼ miles west of Breezy Hill.
29	Dickinson Coal Co.	Mulberry	6	E. M. Roberts	¼ mile west of Breezy Hill.
30	Faulkner Coal Co.	Mulberry	12	E. M. Roberts	Gross.
31	Faulkner Coal Co.	Weir	14	E. M. Roberts	Gross.
32	J. R. Crowe Coal & Mining Co.	Weir	15	R. A. Gray	Croweburg.
33	J. R. Crowe Coal & Mining Co.	Weir	16	R. A. Gray	Croweburg.
34	J. R. Crowe Coal & Mining Co.	Weir	4	Frank Thomas	½ mile west of Mulberry.
35	Clemens Coal Co.	Pittsburg	10	Frank Thomas	3 miles northeast of Pittsburg.
36	Clemens Coal Co.	Pittsburg	11	Frank Thomas	Mulberry.
37	Clemens Coal Co.	Pittsburg	6	Stewart Hamilton	¼ mile north of Cherokee.
38	Hamilton Coal & Mercantile Co.	Weir	6		

120

State Coal Mine Inspection





39	Hamilton Coal & Mercantile Co.	Weir	7	Stewart Hamilton	Radley.
40	Hamilton Coal & Mercantile Co.	Weir	8	Stewart Hamilton	1 1/2 miles northeast of Arma.
41	Girard Coal Co.	Pittsburg	7	Geo. Mack	1/4 mile west of Radley.
42	Pittsburg Northern Coal Co.	Pittsburg	8	Geo. Mack	1 mile east of Franklin.
43	Girard Fuel Co.	Pittsburg	9	Geo. Mack	1 1/2 miles northeast of Arma.
44	Chapman Coal Co.	Mulberry	5	J. H. Hazen	1 1/2 miles northwest of Croweburg.
45	Nevius Coal Co.	Pittsburg	1	J. H. Price	2 miles west of Pittsburg.
46	Nevius-Coulter Coal Co.	Pittsburg	6	J. H. Price	1/2 mile south of Radley.
47	J. H. Price & Sons Coal Co.	Pittsburg	1	J. H. Price	1/4 mile south of Curranville.
48	F. E. Doubleday Coal Co.	Pittsburg	6	F. E. Doubleday	Coalvale.
49	Spencer-Newland Coal Co.	Pittsburg	7	Chris Newlands	1 mile south of Mulberry.
50	Katy Coal Co.	Pittsburg	2	Joseph Humble	1 mile southeast of Radley.
51	Geo. T. McGrath Coal Co.	Kansas City	1	Geo. T. McGrath	4 miles southwest of Pittsburg.
52	Shipman Bros. Coal Co.	Pittsburg	1	C. Shipman	2 miles north of Pittsburg.
53	Geo. Mertz Coal Co.	Pittsburg	3	Geo. Mertz	4 1/2 miles southwest of Pittsburg.
54	Broadhurst & Coughnour Coal Co.	Pittsburg	1	Ang. Domesperi	Kirkwood.
55	Superior Coal Co.	Frontenac	1	Thos. Moser	City limits.
56	Moser Coal Co.	Pittsburg	1	John Brown	3 1/2 miles north of Pittsburg.
57	Brown Bros. Coal Co.	Frontenac	1	W. H. Barren	City limits.
58	Sinclair Coal Co.	Weir	1	Geo. Wilson	Weir Junction.
59	Wilson Bros. Coal Co.	Pittsburg	5	Edward Grabe	24th and Joplin streets.
60	Whetstone & Feiden Coal Co.	Pittsburg	1	C. B. Jenkins	City limits.
61	Union Coal Co.	Pittsburg	1	F. S. Berry	2 1/2 miles northeast of Pittsburg.
62	C. B. Jenkins Coal Co.	Gross	4	A. Engberg	Gross.
63	Electric Coal Co.	Weir	1	John Thomas	Weir Junction.
64	Tripp & Engberg Coal Co.	Pittsburg	1	S. P. Darrow	23rd and Olive streets.
65	Canal Fuel Co.	Pittsburg	14	John Cunningham	Chicopee.
66	Clemens Coal Co.	Pittsburg	111	Geo. Wiskware	1 1/2 miles northeast of Pittsburg.
67	Ellsworth-Klaxer Construction Co.	Pittsburg	109	Chas. Fletcher	2 miles south of Chicopee.
68	Smith, Scott & White Contracting Co.	Frontenac	1	J. J. Nesch	2 miles south of Chicopee.
69	Patton Coal Co.	Pittsburg	1	D. H. Whitmer	1 1/2 miles northwest of Frontenac.
70	Nesch Coal Co.	Pittsburg	1	W. H. Stephenson	1 1/2 miles northwest of Pittsburg.
71	Waitmer Contracting Co.	Pittsburg	1		Midway.
72	J. J. Stephenson Coal Co.	Pittsburg	1		

Report Ending December 31, 1915.



COAL-MINING INDUSTRY IN CRAWFORD COUNTY FOR THE LAST HALF OF CALENDAR YEAR 1915—CONTINUED.

Office No.	Railroad connections.	Kind of opening.	Kind of power.	Tons of coal produced.				Average number of employees.					
				Lump.	Nut and slack.	Mine run.	Total output.	Miners.	Boys.	Under-ground day men.	Total under-ground.	Top men.	Grand total.
1	Santa Fe	Shaft	Steam			87,128	87,128	145	6	40	191	14	205
2	Santa Fe	Shaft	Steam			86,474	86,474	160	6	54	220	16	236
3	Santa Fe	Shaft	Steam	1,672	555	10,964	13,191	29		5	34	2	36
4	Santa Fe	Shaft	Steam			37,273	37,273	82	2	17	101	8	109
5	Mo. Pacific	Shaft	Steam	8,393	21,554		29,947	84		15	99	6	105
6	Mo. Pacific	Shaft	Steam	23,808	18,959	706	43,464	118		24	142	10	152
7	Mo. Pacific	Shaft	Steam	20,987	39,754		60,741	175		30	205	10	215
8	Mo. Pacific	Shaft	Steam	45,624	42,781	2,667	91,072	237		52	289	13	302
9	Mo. Pacific	Shaft	Steam	24,169	49,671		77,586	185		35	220	12	232
10	Mo. Pacific	Shaft	Steam	44,423	26,743	12,771	83,937	259		48	298	15	313
11	Mo. Pacific	Shaft	Steam	24,991	7,947		32,938	210		32	242	12	254
12	Mo. Pacific and Santa Fe	Shaft	Steam	14,731	42,844	1,341	58,916	160		39	199	10	209
13	Mo. Pacific	Shaft	Steam	25,752	47,055	8,450	81,257	203		37	240	10	250
14	Frisco	Shaft	Steam	18,638	9,494	407	28,584	65		14	79	5	84
15	Frisco	Shaft	Steam	18,442	8,125	1,898	28,465	220		30	250	9	259
16	Frisco	Shaft	Steam	11,730	5,865		17,595	39		7	46	5	51
17	Frisco	Shaft	Steam	31,238	72,453	4,657	108,348	225	7	52	284	20	304
18	Frisco	Shaft	Steam	16,532	18,992	709	36,233	70	3	26	99	18	107
19	Frisco	Shaft	Steam	32,592	45,809	7,311	85,712	203	4	37	244	17	261
20	Frisco	Shaft	Steam	2,855	4,019	121	6,955	52		19	71	17	88
21	K. C. S.	Shaft	Steam	18,705	20,339		39,044	167		22	189	9	198
22	K. C. S.	Shaft	Steam	3,108	2,479		5,587	30		6	36	4	40
23	K. C. S.	Shaft	Steam	13,086	21,704		34,790	127		17	144	7	151
24	K. C. S.	Shaft	Steam	15,940	17,879	33,715	67,534	153		19	172	9	181
25	K. C. S.	Shaft	Steam	31,590	23,328		54,918	138		21	159	9	168
26	K. C. S.	Shaft	Steam	34,530	17,392		52,322	133		20	153	7	160
27	Frisco	Shaft	Steam	5,752	19,560	44	25,356	67		11	78	7	85
28	K. C. S. and Mo. Pacific	Shaft	Steam	10,745	21,586		32,331	80		12	92	6	98
29	K. C. S.	Shaft	Steam	16,160	38,659	1,849	56,668	144		26	170	9	179
30	Frisco	Shaft	Steam	16,573	11,886		28,459	75		8	83	5	88
31	Frisco	Shaft	Steam	15,021	12,225		27,246	67		9	76	5	81
32	Frisco	Shaft	Steam	38,910	33,005	559	72,474	139	3	29	171	9	180
33	Frisco	Shaft	Steam	30,851	17,896	1,047	49,749	99	2	21	122	8	130
34	Frisco	Shaft	Steam										
35	Frisco	Shaft	Steam										
36	Frisco	Shaft	Steam										
37	Frisco	Shaft	Steam										
38	Frisco	Shaft	Steam										





## State inspector of coal mines reports

						46,303	46,303	132		27	159	16	175		
						68,884	68,884	165		24	189	13	202		
39	Santa Fe	Shaft	Steam					145	2	30	177	10	187		
40	Mo. Pacific	Shaft	Steam	13,090	34,474	3,580	31,114	125	2	30	157	10	167		
41	Santa Fe	Shaft	Steam	15,451	14,696	587	30,734	100		20	120	10	130		
42	Mo. Pacific	Shaft	Steam	2,736	4,265		7,401	172	3	33	208	12	220		
43	Mo. Pacific	Shaft	Steam	17,308	59,747		77,055	30		9	39	8	45		
44	Frisco	Shaft	Steam			15,177	15,177	83		20	163	10	113		
45	Frisco	Shaft	Steam			45,314	45,314	52		12	64	6	70		
46	Santa Fe	Shaft	Steam			26,833	26,833	85		16	101	6	107		
47	Mo. Pacific	Shaft	Steam			45,253	45,253	113		17	130	10	140		
48	Frisco	Shaft	Steam			50,845	50,845	116		18	134	10	144		
49	Frisco	Shaft	Steam			34,806	34,806	47	1	14	62	5	67		
50	Santa Fe	Shaft	Steam			22,442	22,442	3		1	4	1	5		
51	Frisco	Shaft	Steam			195	1,770	10		1	11	1	12		
52	None	Shaft	Steam	1,073	500	1,800	1,800	3	2	12	2	14			
53	None	Shaft	Steam			5,106	5,106	10		3	1	4			
54	J. & P.	Shaft	Steam			760	760	4		1	5	1	6		
55	None	Shaft	Steam			1,891	1,891	6	1	1	8	1	9		
56	J. & P.	Shaft	Steam			3,594	3,594	16		1	17	2	19		
57	None	Shaft	Steam			1,648	1,648	3	1	1	5	1	6		
58	J. & P.	Shaft	Steam			1,880	1,880	5		1	6	1	7		
59	None	Shaft	Horse			2,770	2,770	5		1	6	1	7		
60	None	Shaft	Horse			82	2,398	17		1	18	2	20		
61	None	Shaft	Steam		721	3,600	3,600	4		1	5	1	6		
62	Frisco	Shaft	Steam			1,053	1,053	3		1	4	1	5		
63	J. & P.	Shaft	Steam			557	557	3		1	4	1	5		
64	None	Shaft	Steam												
	Deep-mine totals					747,557	924,831	723,424	2,395,812	6,095	46	1,187	7,328	499	7,827
65	Santa Fe	Strip pit	Steam			8,694	10,225	493					46	46	
66	Frisco	Strip pit	Steam			5,834	5,952	1,843					26	26	
67	Frisco	Strip pit	Steam			14,078	13,580	31,026					105	105	
68	Frisco	Strip pit	Steam			25,080	14,220	23,715					97	97	
69	Santa Fe	Strip pit	Steam			8,340	7,394	4,964					35	53	
70	Santa Fe	Strip pit	Steam					20,598					55	55	
71	Santa Fe	Strip pit	Steam					27,394					36	36	
72	Frisco	Strip pit	Steam			1,755	12,463	14,020					41	41	
						2,172		12,896							
	Strip pit totals					66,553	65,834	116,251	248,638				459	459	
	Grand totals					814,110	990,665	839,675	2,644,450	6,095	46	1,187	7,328	958	8,286

Report Ending December 31, 1915.