

State inspector of coal mines reports

Section 46, Pages 1351 - 1380

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.

Creator: Kansas. Inspector of Coal Mines

Date: Between 1884 and 1956

Callnumber: SP 622 K13

KSHS Identifier: DaRT ID: 210191

Item Identifier: 210191

www.kansasmemory.org/item/210191

KANSAS
HISTORICAL
SOCIETY

MINE MAPS, BOILER INSPECTIONS, Etc.

The following companies filed maps of the underground workings of their mines:

- The Mount Carmel Coal Company, all of its mines.
- The Western Coal and Mining Company, all of its mines.
- The Wear Coal Company, all of its mines.
- The Kansas & Texas Coal Company, all of its mines.
- The Arnott & Co. mine.

Several other companies are having a survey taken, and have promised to send in their maps as soon as the extensions are made.

The following companies have forwarded their certificates of boiler inspections:

- Mount Carmel Coal Company, all boilers.
- The Wear Coal Company, all boilers.
- The Western Coal and Mining Company, all boilers.
- The Pittsburg & Midway Coal Company, all boilers.
- The Kansas Commercial Coal Company, all boilers.
- The Central Coal and Coke Company, all boilers.
- The W. H. Miller Coal Company, all boilers.
- The Southwestern Coal and Improvement Company, all boilers.
- The Eastern Coal and Coke Company, all boilers.
- The Leavenworth Coal Company, all boilers.
- The Home-Riverside Coal and Mining Company, all boilers.
- The J. H. Durkee Coal Company, all boilers.
- The G. A. R. Coal Company, all boilers.
- The Kansas & Texas Coal Company, all boilers.
- The Weir Junction Coal Company, all boilers.
- The J. C. Graham Coal Company, all boilers.
- The Norton Coal Company, all boilers.

Nearly all of the coal companies have forwarded their airway examination regularly, but none of them stated the volume of air in circulation. In many instances where it was claimed that the airways were in good condition, I have gone to the mine and found the very opposite the case.

APPENDIX.

APPENDIX.

PROCEEDINGS OF SECOND ANNUAL CONVENTION OF THE STATE
ASSOCIATION OF MINERS, HELD AT TOPEKA, KAN.,
FEBRUARY 5 AND 6, 1900.

Pursuant to a call issued by Edward Keegan, state secretary of mine industries, the second annual convention of the State Association of Miners assembled in the labor commissioner's office in the state capitol, Topeka, on February 5, 1900. In the absence of Pres. Joseph Forsyth, Vice-pres. John T. Pratt, after making a brief address of welcome, declared the meeting open and ready to transact business.

The president ordered the reading of the minutes of the first annual convention.

On motion of Delegate Little, the reading was dispensed with, as it was a rather lengthy document.

A motion that the president appoint a committee of three on credentials was carried.

The president appointed the following committee: Dan Williamson, Leavenworth; Archie Nesbit, Midway; Francis Fern, Scammon.

Hon. G. C. Clemens was then introduced to the convention. His address was listened to with marked attention by the delegates.

After Mr. Clemens had concluded his address, Delegate Dan O'Donnell, of Frontenac, was called upon to make a few remarks. Mr. O'Donnell stated that he had nothing particular to say at that time, further than to point out the fact that working men were the wealth producers of the earth, and had the least share of the product of their labor. He further stated that he would be likely to have a good deal to say before the convention adjourned.

A recess of thirty minutes was then taken, pending the report of the committee on credentials.

On reconvening, the committee on credentials reported as follows:

MR. PRESIDENT: We, your committee on credentials, by majority vote, favor the admission of all delegates who have presented credentials here to-day.

DAN WILLIAMSON.
ARCHIE NESBIT.

Delegate Fern offered the following minority report:

MR. PRESIDENT: I recommend that we unseat all but union miners.

FRANCIS FERN.

When the foregoing had been read, Delegate Fern arose and



claimed that the minority report did not read as he intended it should and that the secretary must have misunderstood him. He said his intention was to exclude only those who had not returned their credentials to the secretary five days before the convention was held, as that was his understanding of the law. The majority and minority report of the committee was thoroughly discussed. The secretary, being questioned on the matter, defined his position by reading the following letters, which explain themselves:

MIDWAY, KAN., January 22, 1900.

Edward Keegan: DEAR SIR—Please send credentials for delegate to represent No. 4 mine at the convention to be held at Topeka on February 5.

THOMAS DICKINSON, *Delegate.*
ARCHIE NESBIT, *President.*
JAMES MCGEEHAN, *Secretary.*

PITTSBURG, KAN., January 29, 1900.

Jas. McGeehan, Esq., Midway, Kan.: DEAR SIR—I enclose herewith credentials as per your request. Should any trouble arise, or, in other words, should you send a delegate with these credentials and he failed to get a seat in the convention, I am not to blame, and I will not be responsible. My only duty in this matter is to issue credentials when called on to do so. I have every reason to believe that it will be doubtful whether a delegate elected as the man Dickinson was can have a voice in the convention of the State Society of Miners. I give the following reasons: (1) The law in regard to the matter states "that whenever five or more miners shall now be organized or shall hereafter organize as a miners' association, and shall choose a delegate to the State Association of Miners, such delegate shall, being duly certified by the presiding officers of such association, be admitted to and become a member of the State Association of Miners until his successor shall have been chosen and admitted." It is clear from the above, which is part of section 1 of the act creating a State Association of Miners, that any five or more miners, who are organized in any miners' union or association, are entitled, according to law, to act as a delegate to the State Association of Miners' convention. You will notice, however, that it plainly states that any five or more organized men can select a delegate. Midway Local Union No. 533, we will say, has 250 members. They are therefore entitled to a delegate, from the fact that they are an organized body of miners of five or more members. It will also be seen that they have all the law allows when they have one delegate to represent them. And now here is the point I wish to state: Midway Local Union No. 533, U. M. W. of A., has selected a delegate to represent said union. This delegate represents every member in that union, as they had a voice and vote in electing him. Now, can any one of those 250 members who are already legally represented take part in the electing of another delegate from some other miners' association to represent them when they are already legally represented by the delegate they have helped to elect from No. 533, U. M. W. of A.? This is a question I wish you to consider. I am not a lawyer, or the son of one. But I will say that I cannot guarantee that Mr. Dickinson will get a seat and vote in the coming convention, and will not be responsible if he does not, as I am doing my whole duty in the matter when I send credentials when called upon. This I cheerfully do, although I would much rather have kept this within union lines, as I believe it would have been a nice thing to be able to say that the United Mine Workers elected the Mine Inspector of their choice in Kansas,

State inspector of coal mines reports

MINERS' CONVENTION.

165

let that be who it may; and I further believe that if such election was once established on a union basis that it would always remain so. However, I consider I have done my full duty in the matter, and now leave everything in your own hands. With kindest regards, I am,

Yours very respectfully, EDWARD KEEGAN, *Secretary.*

P. S.—In case any other parties decide that they want credentials they can be obtained upon application.—E. K.

Please read this at the meeting of the local union of the U. M. W. of A.

Other letters were read in reference to the matter, after which a motion to accept the majority report of the committee on credentials was carried, twenty voting for the motion and eight against.

The following are the names of the delegates entitled to a seat:

Dan Ryan, local No. 569, U. M. W. of A., Dist. 14, Mineral.
Thos. Barrett, local No. 528, U. M. W. of A., Dist. 14, Cold Valley.
A. C. Gallagher, local No. 501, U. M. W. of A., Dist. 14, Chicopee.
Enrico Colletti, local No. 127, U. M. W. of A., Dist. 14, Chicopee.
John Edmiston, local No. 469, U. M. W. of A., Dist. 14, Fleming.
Francis Fern, local No. 597, U. M. W. of A., Dist. 14, Scammon.
Harris Cordray, local No. 445, U. M. W. of A., Dist. 14, Nelson.
Dan O'Donnell, local No. 444, U. M. W. of A., Dist. 14, Frontenac.
William Herrel, local No. 219, U. M. W. of A., Dist. 14, Pittsburg.
James Orr, local No. 210, U. M. W. of A., Dist. 14, Weir.
William Davis, local No. 463, U. M. W. of A., Dist. 14, Mulberry.
Archie Nesbit, local No. 533, U. M. W. of A., Dist. 14, Midway.
Mordecai Jones, local No. 85, U. M. W. of A., Dist. 14, Stippville.
Chas. Stonequist, local No. 1009, U. M. W. of A., Dist. 14, Osage City.
Dewey Reece, local No. 1074, U. M. W. of A., Dist. 14, Burlingame.
Chas. Little, local No. 544 U. M. W. of A., Dist. 14, Scranton.
James Graham, local No. 679, U. M. W. of A., Dist. 14, Leavenworth.
Dan Williamson, Enterprise Association, Leavenworth.
Thos. Monahan, Miners' Local Union, Leavenworth.
John T. Pratt, Miners' Association, South Leavenworth.
A. W. Jenkins, Drivers' Association, mine No. 5, Pittsburg.
Lewis Lewis, Protective Association, mine No. 5, Pittsburg.
John Dooley, Independent Society of Miners, Leavenworth.
Frank Sawaschki, Social Miners' Club, Leavenworth.
Bernard Moore, Drivers' Association, Chicopee.
Thos. Dickinson, Miners' Association, mine No. 4, Midway.
Hugh Cregg, Miners' Association, mine No. 5, Midway.
David Casselman, Miners' Association, mine No. 6, Midway.

DAN WILLIAMSON,
ARCHIE NESBIT,
FRANCIS FERN,

Committee on Credentials.

On motion, a committee of three on order of business was appointed by the president, as follows: Dan Ryan, Mineral; Archie Nesbit, Midway; John Edmiston, Fleming.

Motion that a committee of six on resolutions be elected. Carried. The following delegates were nominated, and on motion were elected by acclamation: Francis Fern, Scammon; Dan O'Donnell, Frontenac;



James Orr, Weir City; A. C. Gallagher, Chicopee; Thos. Dickinson, Midway; and Mordecai Jones, Stippville.

Motion that we adjourn until eight o'clock the following morning.
Carried.

TUESDAY MORNING SESSION.

The convention was called to order at 8:30 A. M. by the president.
The committee on order of business tendered their report, as follows:

1. Call to order by president.
2. Reading of minutes.
3. Presentation of credentials.
4. Report of committee on credentials.
5. Roll-call of delegates.
6. Appointment of committees.
7. Reports of officers and committees.
8. Communications and bills.
9. General remarks for the good of the order.
10. Unfinished business.
11. New business.
12. Nominations and election of officers, as follows: First, secretary and *ex officio* Mine Inspector; second, president; third, vice-president.
13. Miscellaneous business.
14. The election of legislative committee.
15. Roll-call of delegates, with the associations they represent (as amended).
16. Adjournment.

Motion that the report of committee on order of business be accepted as read.

Amendment to motion that in clause 15 be inserted the words, "roll-call of delegates, with the associations which they represent."
The motion as amended was carried.

Motion that the report of the committee be accepted as amended.
Carried.

At this time it was learned that the Hon. W. H. Ryan was in town, staying at the National hotel. On motion, a committee was appointed to wait on Mr. Ryan and invite him to come and address the convention. Committee: Dewey Reece, Burlingame, and Lewis Lewis, Pittsburg.

As soon as this committee had gone on their mission a discussion arose as to the right of Mr. Getzinzer, of the Labor Exchange of Osage City, to act as a delegate to the State Association of Miners, he having no credentials of any kind to that body. After considerable discussion, a motion by Delegate Casselman that "he be allowed a seat and voice in this convention, but no vote," was lost.

The committee that went to wait on Mr. Ryan now returned, accompanied by the senator. He was then introduced by the president. In his opening remarks the senator reviewed the advantages which the law creating this Association of Miners, and also the law creating

State inspector of coal mines reports

MINERS' CONVENTION.

167

the Society of Labor and Industry, gave to the miners and laboring people of the state of Kansas. In concluding his remarks, the senator expressed the hope that the day was not far distant when the legislature would make an appropriation to pay the expenses of the delegates to the annual meetings of this association, and anything tending to that end would receive his full support. His address was received with marked approbation and applause by the delegates.

On motion, a committee of two was appointed to wait on committee on resolutions to find out if they were ready to report.

A motion prevailed that Mr. Blaine, as chairman of the legislative committee, be requested to report to this body.

A motion that the report of the legislative committee be printed with the minutes of this meeting was carried.

A recess was then taken until one P. M.

TUESDAY AFTERNOON SESSION.

The convention reassembled at the hour named.

Motion by Delegate A. W. Jenkins that we suspend the rules and pass to the election of a legislative committeeman. Carried.

Francis Fern and James Orr were placed in nomination. Mr. Orr withdrew his name in favor of Mr. Fern.

A motion was then made to suspend the rules and elect Mr. Fern by acclamation. Mr. Fern objected to this line of procedure, but he was speedily overruled by the convention. Notwithstanding his objection, the question being called for, the motion was put, and Delegate Francis Fern was declared the unanimous choice of the convention.

On motion, a committee was appointed to inform the State Society of Labor and Industry of the action taken.

The committee on resolutions then submitted their report, as follows:

Resolution No. 1:

WHEREAS, One of the principal means by which the employees of most corporations, particularly coal companies, are fleeced and imposed upon is the existence of truck stores owned and run by such corporations and companies; and

WHEREAS, The legal issuance of scrip, coupons and other mediums of exchange other than United States currency should be discountenanced; therefore, be it

Resolved, That we recommend and urge upon all wage-earners to take conservative action against such a system, and discontinue the receiving of their wages in any other kind than lawful money of the United States.

On motion, resolution No. 1 was adopted as read.

Resolution No. 2:

Resolved, That we, the State Society of Labor and Industry and the State Association of Miners, urge that each delegate, in making his report to his local,

State inspector of coal mines reports

168

APPENDIX.

recommend that each local secretary of the various labor industries shall write a letter to his representative in congress asking him to use his best endeavors in securing an early investigation of the Idaho troubles, and to make all possible effort in bringing about a speedy adjustment of the same, and secure the much-vaunted American freedom to its citizens.

On motion, resolution No. 2 was referred to the State Society of Labor and Industry.

Resolution No. 3:

WHEREAS, The sole means of public production and distribution are privately owned by individuals, corporations, trusts, or syndicates, that our struggle for the emancipation of labor is not only difficult but unattainable: therefore, be it

Resolved, That we exert ourselves by all legitimate means to bring about the collective and cooperative ownership of all public utilities.

On motion, this resolution was adopted as read, and especially recommended to the State Society of Labor and Industry.

Resolution No. 4:

Resolved, That we, the representatives of the coal-miners of Kansas, assembled in convention according to law, demand that our future Inspector of Mines enforce all laws pertaining to mines and mining.

Resolution No. 5:

Resolved, That we, the State Association of Miners and State Society of Labor and Industry, believe the time is ripe for compulsory arbitration, and that a bill be drawn up and modeled after the New Zealand system for the state of Kansas, and it be referred to the legislative committee by the State Society of Labor and Industry.

On motion, the resolution was adopted as read, and referred to the State Society of Labor and Industry for their approval.

Resolution No. 6:

WHEREAS, The law creating the Miners' Association reads so as to allow the perpetration of fraud in the manner of electing delegates, inasmuch as any organization could be formed at a moment's notice with no other object in view than that of controlling the convention; and

WHEREAS, We believe that only duly and properly organized bodies of coal-miners should be entitled to representation in the State Association of Coal-miners: therefore, be it

Resolved, By the State Association of Coal-miners and State Society of Labor and Industry assembled, that section 1 of the law should be changed so as to read: "Any organization must be organized at least ninety days prior to the convention, and shall be a duly chartered organization"; and

Resolved, That a basis of representation be established; and

Resolved, That the basis of representation be one delegate for each local organization, and an additional delegate for each 100 members or major fraction thereof in the local organization.

On motion, this resolution was adopted, and referred to the legislative committee.

State inspector of coal mines reports

MINERS' CONVENTION.

169

Resolution No. 7:

WHEREAS, The Mine Inspector of the state of Kansas and one assistant are unable to enforce the law for the preservation of life and limb and sanitary requirements of those who work in the mines: therefore,

Resolved, That the state make due allowance in appropriating sufficient money to pay three assistants.

On motion, this resolution was adopted as read.

Resolution No. 8:

Resolved, That the assessment for the legislative committee and other expenses for the coming season be levied on the basis of representation to this convention.

Adopted as read.

Motion that the resolutions as a whole be referred to the State Society of Labor and Industry for their indorsement and approval. Motion carried.

Other resolutions were submitted for the consideration of the convention, which, on motion, were tabled, with instructions not to print.

On motion, a recess was taken until 7:30 P. M., to enable the delegates to attend the Society of Labor and Industry and take part in the election of the officers of that body.

TUESDAY EVENING SESSION.

The convention reassembled at 7:30 P. M., and after being called to order by the president the roll was again called, and responded to by twenty-eight delegates.

The convention then went into executive session, and proceeded to the election of officers in the following order: Secretary, president, vice-president.

Motion that we nominate by informal ballot. Carried.

Motion that the chair appoint three tellers. Amended that the convention elect the tellers. Amendment carried.

Dewey Reece, Dan O'Donnell and Mordecai Jones were chosen tellers.

The informal ballot for state secretary resulted as follows: Edward Keegan, 17; David Casselman, 8; W. D. Robinson, 3.

Motion by Delegate A. C. Gallagher that the informal ballot be made formal. The secretary announced that the informal ballot could not be made formal except by the unanimous consent of all the delegates.

The first formal ballot was then taken, and resulted as follows: Edward Keegan, 18; David Casselman, 7; W. D. Robinson, 3.

Motion by Delegate Nesbit, seconded by Delegate Jenkins, that the rules be suspended, and the secretary be instructed to cast the unanimous vote of the convention for Edward Keegan for state secretary.

The next order of business was election of a president. An informal ballot was taken, resulting as follows: James Graham, 5;

State inspector of coal mines reports

170

APPENDIX.

James Orr, 3; John T. Pratt, 11; Dan O'Donnell, 2; A. W. Jenkins, 2; Dan Williamson, 1; A. C. Gallagher, 3; John Edmiston, 1.

The first formal ballot was then taken, and resulted as follows: James Graham, 4; James Orr, 1; John T. Pratt, 16; Dan O'Donnell, 1; A. W. Jenkins, 3; A. C. Gallagher, 3.

John T. Pratt having received a majority of all votes cast, on motion, the secretary was instructed to cast the entire vote for John T. Pratt for president. Carried.

Selection of a vice-president was next in order. Two or three candidates were named but withdrew in favor of James Orr.

On motion, the rules were suspended and James Orr was elected to the office of vice-president, by acclamation.

Under the head of miscellaneous business, a motion prevailed that the delegates attend the morning session of the State Society of Labor and Industry to support Francis Fern, of the State Association of Miners, and Delegate W. O. Van Pelt, of the State Society of Labor and Industry, as members of the legislative committee.

On motion, the convention then adjourned, to meet the first Monday in February, 1901, unless sooner called in special session in accordance with the provisions of the law.

EDWARD KEEGAN, *Secretary*.



CHAPTER 33.—Laws of 1898.

MINERS' ASSOCIATION, HOW ORGANIZED.

AN ACT creating a State Association of Miners, with power to elect a secretary of mining industries, who shall succeed to the powers and duties of the state mine inspector.

Be it enacted by the Legislature of the State of Kansas:

SECTION 1. Whenever five or more miners actually engaged in mining coal, zinc or other minerals for wages shall now be organized or shall hereafter organize as a miners' association in any county, city or mining camp in the state, and shall choose a delegate to the State Association of Miners, such delegate shall, being duly certified by the presiding officer of such association, be admitted to and become a member of the State Association of Miners until the first Monday in February next following, and until his successor shall have been chosen and admitted; provided, that at any time any such association may recall its delegate by choosing and certifying his successor.

SEC. 2. On the first Monday in February, 1899, and every year thereafter, the delegates elected to said State Association of Miners shall assemble at the state capitol, at an hour and place to be fixed by the secretary in his annual call therefor, to be mailed to each association at least ten days before such assembling; provided, that the call for the first Monday in February, 1899, shall be issued by the commissioner of labor statistics. When such delegates shall have assembled on the first Monday in February, 1899, the commissioner of labor statistics shall preside until the State Association of Miners shall have organized. The delegates present at the time and place fixed for the said first assembly, or any subsequent assembly, shall be deemed a quorum competent to transact all business to be done. The delegates shall elect a president, vice-president, and secretary, and said secretary shall be known officially as state secretary of mine industries, and shall be *ex officio* state mine inspector, and shall collect and publish statistics of mine industries of the state. Said officials shall constitute the executive board of said association and shall hold their offices until the next annual meeting and the election of their successors; but upon demand of the presiding officers of five associations, at any time, the president shall immediately convene the delegates, by special call issued in like manner as the annual call, for the purpose of electing a successor to said secretary, and if, at said election, another person shall receive a majority of the votes cast, he shall immediately be entitled to succeed said secretary. One so elected may be removed in like manner.

SEC. 3. When said delegates shall have assembled on the first Monday in February, 1899, and shall have elected officers, and the State Association of Miners shall be deemed constituted, and the commissioner of labor statistics shall so declare, and the president elected shall thereupon assume his functions, and said society shall thereafter continue and shall be known by said designation of the State Association of Miners.

SEC. 4. The term of office of the state mine inspector shall cease at noon on the 1st day of July, 1899, and said secretary shall thereupon be vested with all the powers given to and charged with all the duties cast upon the state mine inspector by any law of this state, and shall become and be in all respects the successor of said state mine inspector.

SEC. 5. The annual report of said secretary shall be published as those of

other state officers, and he shall receive a salary of \$1500 per annum, payable as other state salaries are paid, and not to exceed \$1000 for expenses. He may, by permission of the executive council, appoint one deputy mine inspector, to hold at his pleasure, and to receive a salary of seventy-five dollars a month, and necessary expenses, to be audited by said secretary and certified to the state auditor for payment monthly.

SEC. 6. All laws now in force referring to the state mine inspector, not inconsistent with the provisions of this act, shall, after the 1st day of July, 1899, be construed to refer instead to the said secretary of mining industries.

SEC. 7. Every association desiring to be represented in said meeting on the first Monday of February, 1899, shall, at least five days before said meeting, certify to the commissioner of labor statistics the appointment of its delegates.

SEC. 8. This act shall take effect and be in force from and after its publication once in the official state paper.

Approved January 6, 1899. Published January 11, 1899.



INDEX.

| | PAGE |
|--|--------|
| Boiler inspections, mine maps, etc..... | 160 |
| Cherokee county..... | 32 |
| Directory of Cherokee county mines..... | 34, 35 |
| Inspection of Cherokee county mines..... | 32-47 |
| Coal product of the United States..... | 8 |
| Coal product of Kansas..... | 9 |
| Crawford county..... | 10 |
| Directory of Crawford county mines..... | 12-15 |
| Inspection of Crawford county mines..... | 10-31 |
| Escapement-shaft law..... | 157 |
| Fatal accidents, list of, for 1899..... | 124 |
| Introduction..... | 5 |
| Law creating State Miners' Association..... | 171 |
| Leavenworth county..... | 63 |
| Directory of Leavenworth county mines..... | 71, 73 |
| Inspection of Leavenworth county mines..... | 63-66 |
| List of delegates in second annual convention..... | 165 |
| Mine explosions..... | 88-113 |
| Article by John Verner, of Iowa..... | 91 |
| At Mount Carmel mine No. 6..... | 88 |
| Inquest and inquiry..... | 96-113 |
| Map of mine No. 6, where fatal explosion occurred..... | 96 |
| Mine maps, boiler inspections, etc..... | 160 |
| Miners' earnings..... | 81-87 |
| Cherokee county..... | 82 |
| Crawford county..... | 81 |
| Leavenworth county..... | 86 |
| Osage county..... | 82 |
| Minutes of second annual convention of miners..... | 163 |
| Non-fatal accidents, list of, for 1899..... | 134 |
| Table of, for twenty years..... | 141 |
| Osage county..... | 48 |
| Directory of Osage county mines..... | 52-55 |
| Inspection of Osage county mines..... | 50-62 |
| Other Kansas coal-mines..... | 67-80 |
| Atchison county..... | 67 |
| Bourbon county..... | 67 |
| Chautauqua county..... | 67 |
| Cloud county..... | 68 |
| Coffey county..... | 69 |
| Directory of mines..... | 70-73 |
| Elk county..... | 74 |
| Ellsworth county..... | 74 |
| Franklin county..... | 74 |



Other Kansas coal-mines—*Continued*:

| | |
|--|-----|
| Labette county | 76 |
| Lincoln county | 79 |
| Linn county | 76 |
| Republic county | 79 |
| Russell county | 79 |
| Shawnee county | 80 |
| Penitentiary coal-mine | 64 |
| Recommendations | 119 |
| Screen law | 142 |
| Second annual convention of miners | 163 |
| Single-entry system of mining | 123 |
| State Miners' Association, how organized | 171 |
| Strikes | 114 |
| Supreme court decision on screen law | 149 |
| Dissenting opinion of Justice Smith | 153 |
| Third annual convention of miners, date of | 170 |
| World's product of coal | 7 |

KANSAS STATE
HISTORICAL SOCIETY.

THIRTEENTH ANNUAL REPORT

OF THE

INSPECTOR OF COAL MINES,

STATE OF KANSAS,

FOR THE

YEAR ENDING DECEMBER 31, 1900.

*Assoc. of Miners. Proc. 3d conv.
1901, p. 103*



TOPEKA, KAN.

W. Y. MORGAN, STATE PRINTER.

1901.



LETTER OF TRANSMITTAL.

Hon. W. E. Stanley, Governor:

SIR—In compliance with the law relating to mines and mining, I tender you the Thirteenth Annual Report of the State Coal-mine Inspector, for the year ending December 31, 1900.

Respectfully, EDWARD KEEGAN,
Inspector.



TABLE OF CONTENTS.

- I. Letter of Transmittal.
- II. Introduction.
- III. Production of Coal in Kansas, by Counties:
Crawford, Cherokee, Leavenworth, Osage, Linn, Coffey, Bourbon,
Labette, Franklin, Cloud, Ellsworth, Atchison, Chautauqua,
Shawnee, Republic, Lincoln, and Russell.
- IV. Earnings of Kansas Coal-miners.
- V. Fatal and Non-fatal Accidents.
- VI. Table of Fatal and Non-fatal Accidents, and Coal Production from 1880
to December 31, 1900.
- VII. The Screen Law.
- VIII. Strikes.
- IX. Complete Mining Laws.
- X. Proceedings of Second Annual Convention of State Association of Miners.
- XI. Index.



INTRODUCTION.

THE production of coal in Kansas during the year 1900 exceeds that of any previous year in the history of the state. Ten thousand four hundred and seventy-eight men and 195 boys, employed in and around the mines (including strip pits), produced 4,269,716 tons, valued at \$5,500,709.58. This is an increase of 172,821 tons over the year 1899.

The shaft mines worked an average of 193 days, and from the outlook the indications are for a continuation of good work and better prices throughout the state.

There were twenty fatal accidents during the year, being one fatal accident for each 213,485 tons of coal produced. Sixty-two non-fatal accidents occurred during the year; two of the injured, I learned, died in the course of a few months afterward, from the injuries received.

There has been but a slight change in the selling price of coal at the mines compared with 1899.

In view of the fact of an uncertainty existing as to whether or not this report would be printed this year, because of a recent act of the legislature, and desiring to practice the strictest economy, this report contains only important statistics relative to coal production, all details of inspection, which from its nature would consist largely of repetitions, being omitted.

It is gratifying to report that the majority of the coal-mines in the state of Kansas are well ventilated, and that a great number of improvements in this and other respects have been made at the mines during the year. In this connection, it may be well to report that the 1901 session of the legislature amended the mining-ventilation laws of the state, which will insure a vast improvement in the conditions of the mines of the state. The amendment makes it obligatory upon all mine owners operating coal-mines in the state of Kansas to maintain four separate currents of pure air in each mine. It also gives the Inspector recourse to the courts, where an injunction may be granted to close down a mine, in case of non-compliance with the law.

This, in my judgment, is a decided improvement on the old law, which gave the Inspector power to order a mine closed down, but which failed to make any provision in case of non-compliance.

The amendment made by the same legislature to the law creating the State Association of Miners increasing the force of deputy mine

State inspector of coal mines reports

inspectors, and otherwise strengthening the law, is satisfactory to the miners of the state. With the increased requirements of the ventilation law referred to above, and the increased force of inspectors, I have no doubt but that the coal-mines of Kansas will be made to rank among the best in the land in regard to their conditions affecting the welfare of the miners employed therein and their sanitary conditions generally.

This report also contains a résumé of the miners' earnings in the four principal coal-producing counties of the state, viz., Crawford, Cherokee, Osage, and Leavenworth.

A great demand has been made during the past year for the mining laws; I therefore compiled the revised mining laws up to the present time for publication in this report. Of the new mining laws passed at the last session of the legislature, simple justice demands mention made of the fact that the measures had warm supporters and friends both on and off the legislative floor. The legislative committee representing the laboring interests of the state had their work well in hand, the efforts of its chairman being specially well directed in presenting to the senators and representatives the merits of our bills. When the bills had been introduced and started on their legislative course they found able champions, among whom candor compels the mention of Senators Porter and Miller, both of whom represent large mining constituencies. In guiding these measures around the many legislative pitfalls that constantly presented themselves, the wise counsel and friendly advice of Hon. G. C. Clemens was always forthcoming, and materially aided in securing these gratifying results.

Kansas is the only state in the union in which the miners have the power of electing their own Mine Inspector. This privilege alone might not prove of much value to the miners, as they are as liable to elect the wrong man as under the old law the governor was to appoint the wrong man, but there is this difference: Under the old law the appointee was for two years, the period for which he was appointed; while under the new law, if the Mine Inspector whom they elected should prove recreant to the trust reposed in him, or be remiss in the performance of his duties, they have the power, the imperative mandate, to turn him out of office and elect a better man in his place. With such a leverage, and with the increased force of the department, it would seem strange if under these conditions the work of the office did not reach the highest degree of efficiency, rendering to the miners the greatest possible benefits, and to the public that satisfactory service to which it is entitled. Especially is this to be expected when it is remembered that the conduct of this department is left wholly to the intelligent union miners of the state.



KANSAS STATE
HISTORICAL SOCIETY.

THIRTEENTH ANNUAL REPORT.

7

COAL PRODUCT OF KANSAS—1900.

| COUNTIES. | No. of tons produced (2000 lbs.) | Per cent. of state production. | Value of coal at mine (mine run). |
|------------------|--|--------------------------------------|---|
| Crawford..... | 2,335,998 | 54.719 | \$2,769,629 70 |
| Cherokee..... | 1,357,631 | 31.796 | 1,629,108 16 |
| Leavenworth..... | 250,183 | 5.857 | 455,365 48 |
| Osage..... | 194,618 | 4.536 | 377,350 24 |
| Linn..... | 36,320 | .854 | 45,900 00 |
| Coffey..... | 35,524 | .846 | 90,252 00 |
| Bourbon..... | 28,000 | .656 | 56,000 00 |
| Labette..... | 9,670 | .226 | 21,757 50 |
| Franklin..... | 8,250 | .193 | 18,187 50 |
| Cloud..... | 7,208 | .169 | 18,020 00 |
| Ellsworth..... | 2,510 | .059 | 8,527 50 |
| Atchison..... | 1,200 | .028 | 3,600 00 |
| Chautauqua..... | 1,100 | .026 | 2,750 00 |
| Shawnee..... | 592 | .0138 | 1,776 00 |
| Republic..... | 501 | .0117 | 1,252 50 |
| Lincoln..... | 400 | .0093 | 1,200 00 |
| Russell..... | 11 | .0002 | 33 00 |
| Totals..... | 4,269,716 | 100 | \$5,500,709 58 |



State inspector of coal mines reports

CRAWFORD COUNTY.

CRAWFORD county is the banner coal-producing county of the state. During the past year the mines of the county, including strip pits, gave employment to 4734 men and sixty boys, and produced 2,335,998 tons of coal, which was almost fifty-five per cent. of the state's product, valued at the mine at \$2,769,629.70. This is an increase of 239,253 tons over the year 1899, and is far in excess of the production of any previous year. The principal shaft mines of the county worked an average of 205½ days during the year. One hundred and thirty-eight thousand five hundred and ten kegs of powder, valued to the miner at \$277,020, were used, or practically one keg for every seventeen tons of coal produced. Among the most noteworthy of new developments during the past year are mine No. 7, belonging to the Mount Carmel Coal Company, located near Frontenac; mines Nos. 37½ and 75, belonging to the Kansas & Texas Coal Company, and located one and two miles, respectively, north of Litchfield; mine No. 6, belonging to the J. R. Crowe Coal Company, located at Coalvale; the La Belle Coal Company mine, located one mile west of Frontenac; the Robert Nesch mine, located about one and one-half miles west of Pittsburg; the Bruce Mining and Smelting Company's mine (top vein), located near Bruce. The outlook points to a steady increase in the development of the mining industry of this county, and the indications are that a number of new mines will be opened up during the coming year, which will undoubtedly further increase the coal production of the county during 1901. The condition of the mines of the county, with few exceptions, is good, and the enforcement of the new ventilation law in the coming year will place all of the mines in this and Cherokee county on a higher standard with regard to their sanitary condition, especially those mines that are being operated on the single-entry system. (See pp. 10, 12.)

CHEROKEE COUNTY.

The production of coal in Cherokee during the year 1900 amounted to 1,357,631 tons, being 31.8 per cent. of the total product of the state, valued at \$1,629,108.16. This is an increase in the product of 51,392 tons, as compared with 1899. There were employed 2826 men and seventy-one boys, working an average of 217 days. There were 85,056 kegs of powder used, the cost to the miner being \$170,112, or one keg for every sixteen tons of coal mined. New mines have been opened up in this county during the year, as follows: Mine No. 8, belonging to the Southwestern Coal and Improvement Company, located near Mineral; the N. M. Smith & Co.'s mine, located about one mile south of Mineral; the Columbus Coal Company's mine, located at Stippville; Hamilton Coal and Mercantile Company's mine, located northwest of Weir City. (See pp. 14, 16.)



THIRTEENTH ANNUAL REPORT.

9

LEAVENWORTH COUNTY.

Leavenworth is the third largest coal-producing county in the state. During the year 1900 the Home-Riverside Coal Mining Company's mines Nos. 1, 2, and 3, the only mines in operation in the county outside of the state penitentiary mine, gave employment to 702 men, and produced 194,947 tons of coal, working an average of 181 days, valued at the mine at \$358,365.48. Two hundred and five convicts employed at the state mine produced 55,236 tons, making the total production for the county 250,183 tons; total value, \$455,365.48. This shows a decrease in production of 58,681 tons compared with 1899. This decrease is due to a strike that took place at the Home-Riverside mines and lasted two months. The Home-Riverside Company have made a number of improvements at their mine No. 3, formerly owned by the Leavenworth Coal Company. The top has been torn down, and rebuilt on an improved plan. New air-courses are being opened up underground and the work is still being pushed to completion, and when finished will materially improve the ventilation of this mine.

The improvements made at the state mine are best stated by the report of the superintendent to this office, as follows: "Two new braces on tower of air-shaft; also placed new five-ton gear-wheel on air-shaft engine, to replace second wheel broken last winter, placing engine in pretty fair shape; rebraced the tower of main shaft; overhauled and repaired elevators; also retimbered southwest side of air-shaft bottom, during month of August, 1900; new roofs put on coal-house, engine-house, and main shaft; painted all shaft houses and pit tops."

OSAGE COUNTY.

Osage county is still the fourth largest coal-producing county in the state. During the year 1323 men and sixty-four boys found employment an average of 169 days, producing 194,618 tons of coal, valued at \$277,350.24. This shows a decrease in the production, as compared with 1899, of 66,185 tons. This was largely due to the closing down and abandonment of four of the Mount Carmel Coal Company's mines in the early part of the year. (See pp. 18, 20.)

State inspector of coal mines reports

11



CRAWFORD COUNTY COAL-MINES—CONCLUDED.

| Office No. | Tons of coal produced (2000 pounds to the ton). | | | Number of days mine worked during year | Average number of men... | Average number of boys... | Average number of employees... | Av. price paid per ton for mining. | | Av. selling price per ton at mine. | | Estimated value of output. | Casualties. | | Average wages paid day men above ground. | Average wages paid day men under ground. | Number of bags of powder used during year | Remarks. |
|------------|--|----------------|----------------|--|-----------------------------|------------------------------|-----------------------------------|--|-------|--|--------|----------------------------------|-------------|---------|--|--|---|-----------------|
| | Lamp | Noted stack | Mine run... | | | | | Lamp | Mine | Lamp | Mine | | Killed | Injured | | | | |
| 1 | 10,373 | 6,519 | 16,892 | 24 | 230 | 7 | 90 | 327 | 40 60 | 81 20* | 81 20* | \$21,115 00 | .. | .. | .. | .. | 1,073 | Aban'd Feb. 10. |
| 2 | 189,612 | 121,688 | 311,300 | 270 | 280 | 5 | 121 | 406 | .. | .. | .. | 349,560 00 | .. | .. | .. | .. | 17,544 | .. |
| 3 | 191,935 | 121,963 | 313,898 | 277 | 294 | 6 | 109 | 409 | .. | .. | .. | 376,665 00 | .. | .. | .. | .. | 19,545 | .. |
| 4 | 31,559 | 18,299 | 49,858 | 117 | 112 | 3 | 50 | 165 | .. | .. | .. | 59,829 60 | 1 | .. | .. | .. | 3,171 | New mine. |
| 5 | .. | .. | 4,924 | 225 | 5 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 283 | Paid by day. |
| 6 | 23,083 | 27,350 | 50,433 | 229 | 91 | 7 | 23 | 121 | .. | .. | .. | 5,416 40 | .. | .. | .. | .. | 3,872 | .. |
| 7 | 21,380 | 11,045 | 32,425 | 157 | 126 | 4 | 29 | 159 | .. | .. | .. | 35,667 50 | .. | .. | .. | .. | 1,967 | Aban'd in Sept. |
| 8 | 98,833 | 56,942 | 155,780 | 245 | 230 | 7 | 37 | 294 | .. | .. | .. | 171,138 00 | .. | .. | .. | .. | 9,647 | .. |
| 9 | 45,733 | 56,355 | 102,088 | 229 | 151 | 6 | 26 | 153 | .. | .. | .. | 112,004 80 | .. | .. | .. | .. | 6,486 | .. |
| 10 | 315 | 218 | 534 | 1,337 | 30 | 15 | .. | .. | .. | .. | .. | 1,924 40 | .. | .. | .. | .. | 53 | .. |
| 11 | 14,442 | 14,391 | 28,833 | 132 | 55 | 2 | 21 | 78 | .. | .. | .. | 42,477 60 | .. | .. | .. | .. | 1,935 | .. |
| 12 | 44,177 | 44,374 | 88,551 | 232 | 109 | 2 | 37 | 148 | .. | .. | .. | 123,786 00 | .. | .. | .. | .. | 5,879 | .. |
| 13 | 62,780 | 61,946 | 124,726 | 258 | 140 | .. | 29 | 171 | .. | .. | .. | 175,142 40 | .. | .. | .. | .. | 8,100 | Day work. |
| 14 | .. | .. | 12,361 | 160 | .. | .. | .. | .. | .. | .. | .. | 14,832 20 | .. | .. | .. | .. | 206 | .. |
| 15 | 2,872 | .. | 28,210 | 200 | 75 | .. | .. | .. | .. | .. | .. | 37,298 40 | .. | .. | .. | .. | 496 | .. |
| 16 | 31,253 | 34,968 | 66,221 | 176 | 140 | .. | 29 | 189 | .. | .. | .. | 80,746 80 | 1 | 1 | .. | .. | 4,465 | .. |
| 17 | 40,422 | 47,587 | 88,009 | 225 | 130 | .. | 23 | 153 | .. | .. | .. | 106,059 60 | 1 | 2 | .. | .. | 5,238 | .. |
| 18 | 21,752 | 24,405 | 46,157 | 200 | 75 | .. | 18 | 88 | .. | .. | .. | 59,308 80 | 2 | 4 | .. | .. | 2,708 | .. |
| 19 | 16,706 | 25,225 | 41,931 | 80 | 30 | .. | 50 | 130 | 80 95 | .. | .. | 53,475 60 | .. | .. | .. | .. | 2,497 | Pay by box. |
| 20 | 10,686 | 10,099 | 20,785 | 200 | 50 | .. | 25 | 75 | .. | .. | .. | 28,738 80 | .. | .. | .. | .. | 1,400 | .. |
| 21 | 66,295 | 66,348 | 132,643 | 200 | 148 | .. | 49 | 197 | 1 00 | .. | .. | 174,823 20 | .. | .. | .. | .. | 7,559 | .. |
| 22 | .. | .. | 6,000 | .. | .. | .. | .. | .. | 1 00 | .. | .. | 7,200 00 | .. | .. | .. | .. | 900 | .. |
| 23 | .. | .. | 1,991 | 48 | 16 | .. | 12 | 28 | .. | .. | .. | 2,396 40 | .. | .. | .. | .. | 95 | New mine. |
| 24 | 267 | 458 | 1,812 | 50 | 14 | .. | 35 | 49 | .. | .. | .. | 3,038 40 | .. | .. | .. | .. | 90 | .. |
| 25 | .. | .. | 30,000 | 200 | .. | .. | 50 | 50 | 1 10 | .. | .. | 36,000 00 | .. | .. | .. | .. | 800 | .. |
| 26 | .. | .. | 67,139 | 290 | 100 | 2 | 30 | 132 | .. | .. | .. | 80,596 80 | 1 | .. | .. | .. | 4,961 | .. |
| 27 | .. | .. | 130,565 | 247 | 155 | .. | 29 | 184 | .. | .. | .. | 144,676 00 | .. | .. | .. | .. | 7,083 | .. |
| 28 | 19,169 | 20,591 | 39,760 | 96 | 3 | .. | 19 | 88 | .. | .. | .. | 54,580 10 | .. | .. | .. | .. | 3,514 | .. |
| 29 | .. | .. | 3,229 | 160 | 50 | .. | 18 | 68 | .. | .. | .. | 16,041 30 | .. | .. | .. | .. | 1,000 | .. |
| 30 | 22,394 | 18,952 | 41,346 | 200 | 80 | 3 | 27 | 110 | .. | .. | .. | 74,397 70 | .. | .. | .. | .. | 3,556 | .. |
| 31 | .. | .. | 3,980 | 142 | 28 | .. | 4 | 29 | .. | .. | .. | 4,376 00 | .. | .. | .. | .. | 197 | .. |
| 32 | 617 | 288 | 1,130 | 147 | 29 | .. | 10 | 39 | .. | .. | .. | 2,493 00 | .. | .. | .. | .. | 120 | .. |
| 33 | .. | .. | 24,000 | 300 | 25 | .. | 10 | 35 | .. | .. | .. | 27,600 00 | 1 | .. | .. | .. | 1,300 | New mine. |
| 34 | .. | .. | 5,086 | 81 | 34 | 2 | 10 | 46 | .. | .. | .. | 6,357 50 | .. | .. | .. | .. | 312 | .. |
| 35 | .. | .. | 7,200 | 50 | 25 | .. | 9 | 34 | .. | .. | .. | 9,000 00 | .. | .. | .. | .. | 150 | .. |
| 36 | .. | .. | 2,704 | 275 | 3 | .. | 1 | 5 | .. | .. | .. | 4,200 95 | .. | .. | .. | .. | 240 | Pay by box. |
| 37 | 598 | 316 | 1,365 | 84 | 11 | 1 | 5 | 17 | .. | .. | .. | 1,842 75 | .. | .. | .. | .. | 155 | .. |
| 38 | .. | .. | 29,147 | 228 | 40 | .. | 12 | 52 | .. | .. | .. | 34,976 40 | .. | .. | .. | .. | 1,500 | .. |
| 39 | .. | .. | 4,115 | 129 | 11 | 2 | 5 | 15 | .. | .. | .. | 4,938 00 | .. | .. | .. | .. | 208 | .. |

| | | | | | | | | | | | | | | | | | | |
|---------|---------|---------|-----------|--------|-------|----|-------|-------|----|----|----|----------------|----|----|------|------|---------|-------------|
| 40 | .. | 2,500 | 2,500 | 60 | 15 | .. | 6 | 21 | .. | .. | .. | 2,875 00 | .. | .. | 2 05 | 2 00 | 150 | New mine. |
| 41 | 300 | 386 | 3,590 | 4,276 | 60 | 30 | 11 | 41 | .. | .. | .. | 5,131 20 | .. | .. | 1 90 | 1 40 | 275 | .. |
| 42 | .. | .. | 4,149 | 4,149 | 290 | 4 | 1 | 5 | .. | .. | .. | 5,186 25 | .. | .. | .. | 1 50 | 125 | Pay by box. |
| 43 | .. | .. | 4,000 | 4,000 | 280 | 4 | .. | .. | .. | .. | .. | 5,000 00 | .. | .. | .. | .. | 125 | .. |
| 44 | .. | .. | 2,400 | 2,400 | 160 | 6 | 3 | 9 | .. | .. | .. | 3,000 00 | .. | .. | .. | 1 50 | 133 | .. |
| 45 | .. | .. | 3,000 | 3,000 | 170 | 6 | 2 | 8 | .. | .. | .. | 3,750 00 | .. | .. | .. | 1 50 | 135 | .. |
| 46 | 40 | 20 | 1,325 | 1,385 | 40 | 15 | 1 | 4 | .. | .. | .. | 2,077 25 | .. | .. | 1 90 | 1 50 | 50 | (a) |
| 47 | 15,301 | 13,291 | 898 | 30,090 | 202 | 60 | 2 | 27 | 80 | .. | .. | 34,603 50 | .. | .. | 2 | 1 90 | 1 50 | 1,585 |
| 48 | .. | .. | 3,350 | 3,350 | 115 | 15 | 4 | 19 | .. | .. | .. | 4,187 50 | .. | .. | .. | 2 00 | 1 50 | 325 |
| 49 | .. | .. | 3,934 | 3,934 | 180 | 10 | 3 | 13 | .. | .. | .. | 5,901 00 | .. | .. | 1 | 2 05 | 1 50 | 300 |
| 50 | 3,622 | 1,660 | 2,189 | 7,761 | 218 | 25 | 8 | 33 | .. | .. | .. | 10,089 30 | 1 | 1 | .. | 2 25 | 1,313 | Pay by box. |
| 51 | .. | .. | 2,150 | 2,150 | 225 | 5 | 2 | 7 | .. | .. | .. | 2,581 00 | .. | .. | .. | .. | 172 | .. |
| 52 | 15,000 | 16,000 | 16,000 | 47,000 | 259 | 65 | 12 | 67 | .. | .. | .. | 56,400 00 | .. | .. | 2 | 2 18 | 2 00 | 3,650 |
| 53 | 500 | 300 | 400 | 1,200 | 200 | 3 | 1 | 4 | .. | .. | .. | 1,500 00 | .. | .. | .. | .. | 60 | Pay by box. |
| 54 | .. | .. | 4,000 | 4,000 | 160 | .. | 13 | 13 | .. | .. | .. | 5,000 00 | .. | .. | .. | 2 50 | 70 | .. |
| 55 | 500 | 2,300 | 4,000 | 6,800 | 200 | .. | 15 | 15 | .. | .. | .. | 960 00 | .. | .. | .. | 2 50 | 15 | .. |
| 56 | .. | .. | 2,300 | 2,300 | 100 | 20 | 4 | 24 | .. | .. | .. | 8,500 00 | .. | .. | .. | 1 50 | 250 | .. |
| 57 | 700 | 700 | .. | 1,400 | 32 | 10 | 2 | 12 | .. | .. | .. | 2,346 00 | .. | .. | .. | 2 00 | 125 | New mine. |
| 58 | .. | .. | 500 | 500 | 112 | 2 | .. | .. | .. | .. | .. | 1,750 00 | .. | .. | .. | 1 75 | 75 | .. |
| 59 | .. | .. | 6,000 | 6,000 | 80 | .. | 30 | 30 | .. | .. | .. | 625 00 | 1 | .. | .. | .. | 29 | Pay by box. |
| 60 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 7,200 00 | .. | .. | .. | .. | 125 | .. |
| 889,909 | 831,445 | 514,634 | 2,335,998 | 10,121 | 3,499 | 60 | 1,235 | 4,794 | .. | .. | .. | \$2,769,629 70 | 11 | 35 | .. | .. | 138,510 | .. |

* Estimated; no selling price given. (a) Pay by day; abandoned.

12

INSPECTOR OF COAL-MINES.

THIRTEENTH ANNUAL REPORT.

13

15



CHEROKEE COUNTY COAL-MINES—CONCLUDED.

| Office No. | Tons of coal produced (2000 pounds to the ton). | | | Number of days mines worked during year. | Average number of miners. | Average number of boys. | Average number of day hands. | Average number of employees. | Av. paid per ton for mining. | | Av. selling price per ton at mine. | | Estimated value of output. | Casualties. | | Average wages paid day men under ground. | Average wages paid day men on surface. | Number of kegs of powder used during year. | Remarks. |
|------------|--|-------------------|--------------|--|------------------------------|----------------------------|---------------------------------|---------------------------------|------------------------------------|--------------|--|--------------|----------------------------------|-------------|----------|--|--|--|-----------------------|
| | Lump. | Not and slack. | Mine run. | | | | | | Lump. | Mine run. | Lump. | Mine run. | | Killed. | Injured. | | | | |
| 1 | 48,277 | 35,947 | 70,212 | 2382 | 96 | 29 | 125 | 80 | 62 | ..... | \$1 20* | ..... | \$84,254 40 | ..... | ..... | 82 03 | 51 75 | 4,480 | |
| 2 | ..... | ..... | ..... | 2282 | 133 | 40 | 173 | ..... | 62 | ..... | 1 20* | ..... | 100,348 80 | 1 | ..... | 10 10 | 1 75 | 5,945 | |
| 3 | 32,852 | 25,984 | 173,713 | 2361 | 201 | 40 | 241 | ..... | 62 | ..... | 1 20* | ..... | 208,455 60 | ..... | ..... | 10 08 | 1 75 | 10,494 | |
| 4 | 19,419 | 12,827 | 11,785 | 2351 | 151 | 44 | 190 | ..... | 62 | ..... | 1 20* | ..... | 90,213 60 | ..... | ..... | 10 10 | 1 75 | 4,803 | |
| 5 | 25,004 | 18,727 | 31,589 | ..... | 250 | 50 | 80 | ..... | 62 | ..... | 1 20* | ..... | 32,840 80 | ..... | ..... | ..... | ..... | 2,446 | |
| 6 | 23,974 | 14,126 | 8,164 | ..... | 270 | 32 | 13 | ..... | 62 | ..... | 1 20* | ..... | 90,324 00 | ..... | ..... | ..... | ..... | 2,760 | |
| 7 | (a)..... | ..... | 10,000 | 150 | ..... | 13 | 45 | ..... | ..... | ..... | 1 20* | ..... | 50,718 80 | ..... | ..... | ..... | ..... | 1,542 | |
| 8 | 41,389 | 30,478 | 13,593 | 229 | ..... | 20 | 20 | ..... | ..... | ..... | 1 20* | ..... | 12,000 00 | ..... | ..... | ..... | ..... | 250 | |
| 9 | 34,000 | 21,800 | 10,000 | 172 | 120 | 15 | 26 | ..... | 62 | ..... | 1 25 | ..... | 106,800 00 | ..... | 1 | 15 | 1 55 | 7,888 | |
| 10 | 18,569 | 13,729 | 7,220 | 11,432 | 116 | 35 | 16 | 96 | ..... | 62 | 1 25 | ..... | 82,250 00 | ..... | ..... | 15 | 1 55 | 2,290 | |
| 11 | ..... | ..... | 11,432 | ..... | 116 | 35 | 16 | 96 | ..... | 62 | 1 25 | ..... | 48,147 50 | ..... | 1 | 15 | 1 55 | 2,214 | |
| 12 | ..... | 881 | 770 | 1,038 | ..... | 20 | 8 | 28 | ..... | 62 | 1 25 | ..... | 14,290 00 | ..... | ..... | 10 10 | 1 55 | 1,112 | |
| 13 | ..... | ..... | 67,780 | 189 | 110 | 30 | 140 | ..... | 62 | ..... | 1 35 | ..... | 91,583 00 | ..... | ..... | 10 10 | 1 55 | 168 | New mine. |
| 14 | ..... | ..... | 9,740 | 72 | 30 | 2 | 15 | 47 | ..... | 62 | 1 40 | ..... | 13,636 00 | ..... | ..... | 10 10 | 1 65 | 497 | |
| 15 | ..... | ..... | 9,740 | 146 | 16 | 2 | 28 | 29 | ..... | 62 | 1 35 | ..... | 11,880 00 | ..... | ..... | 10 10 | 1 65 | 510 | Aband'ed Nov. 1. |
| 16 | 12,306 | 10,839 | 3,400 | 28,480 | 180 | 75 | 67 | ..... | 62 | 1 35 | 1 15 | ..... | 30,384 50 | ..... | 1 | 10 05 | 1 55 | 1,000 | |
| 17 | 5,415 | 5,570 | 1,210 | 12,195 | 225 | 25 | 9 | 34 | ..... | 62 | 1 35 | ..... | 14,024 25 | ..... | ..... | 10 05 | 1 55 | 800 | New mine. |
| 18 | 1,546 | 2,189 | 2,527 | 6,262 | 253 | 33 | 4 | 37 | ..... | 62 | 1 35 | 1 20 | 7,514 40 | ..... | ..... | ..... | ..... | 398 | Pay by box. |
| 19 | (a)..... | ..... | 30,000 | 30,000 | 190 | 35 | 42 | ..... | 62 | ..... | 1 20* | ..... | 36,000 00 | ..... | ..... | ..... | ..... | 1,600 | |
| 20 | (a)..... | ..... | 40,000 | 40,000 | 240 | 45 | 53 | ..... | 62 | ..... | 1 20* | ..... | 48,000 00 | ..... | ..... | ..... | ..... | 1,400 | |
| 21 | (a)..... | ..... | 5,366 | 5,366 | 66 | 32 | 5 | 11 | 48 | ..... | 1 15 | 1 50 | 8,049 00 | ..... | ..... | ..... | ..... | 300 | |
| 22 | ..... | ..... | 10,560 | 10,560 | 80 | 35 | 2 | 15 | 52 | ..... | 1 40 | ..... | 14,784 00 | ..... | 1 | 2 05 | 1 55 | 425 | |
| 23 | ..... | ..... | ..... | 1,325 | 180 | 5 | 3 | 8 | ..... | 1 50 | 1 25 | ..... | 1,907 50 | ..... | ..... | 2 05 | 1 50 | 280 | Pay by box. |
| 24 | 569 | 285 | 704 | 1,118 | ..... | ..... | 3 | 3 | ..... | 1 50 | 1 25 | ..... | 1,397 50 | ..... | ..... | ..... | 1 50 | 50 | |
| 25 | 513 | ..... | 605 | ..... | ..... | ..... | 18 | ..... | ..... | 1 35 | 1 10 | ..... | 10,456 00 | ..... | ..... | ..... | 1 50 | 250 | |
| 26 | 500 | ..... | 9,000 | 9,500 | 235 | ..... | 18 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| 27 | (b)..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| 28 | 4,147 | 4,396 | 1,308 | 9,821 | 85 | 20 | 13 | 33 | ..... | 60 | ..... | 1 30 | 12,787 30 | ..... | ..... | 2 15 | 1 80 | 820 | New mine. |
| 29 | 250 | ..... | 4,000 | 4,500 | 80 | 15 | 1 | 23 | ..... | ..... | 1 75 | 1 40 | 6,300 00 | ..... | ..... | 2 05 | 1 50 | 200 | |
| 30 | ..... | 2,027 | 2,027 | 55 | 12 | 1 | 3 | 16 | ..... | ..... | ..... | 1 35 | 2,736 45 | ..... | ..... | 2 15 | 1 55 | 80 | New mine. Pay by box. |
| 31 | ..... | 5,587 | 5,587 | 147 | 30 | 10 | 40 | 80 | ..... | ..... | 1 25* | ..... | 6,883 75 | ..... | ..... | 1 50 | 1 90 | 463 | |
| 32 | ..... | 28,268 | 28,268 | 233 | 33 | 6 | 15 | 54 | ..... | 60 | 1 25 | 1 10 | 31,084 80 | ..... | ..... | 2 05 | 1 50 | 1,530 | |
| 33 | ..... | 5,535 | 9,625 | 180 | 12 | 4 | 16 | ..... | 63 | 1 50 | 1 25 | ..... | 4,531 25 | ..... | ..... | ..... | 1 75 | 200 | |
| 34 | 7,000 | 5,356 | 12,356 | 120 | 50 | ..... | 60 | ..... | 62 | 1 25* | ..... | ..... | 15,445 00 | ..... | ..... | ..... | ..... | 770 | New mine. |
| 35 | 529 | 176 | 353 | 1,058 | 200 | 4 | 1 | 5 | ..... | 62 | 1 56 | 1 30 | 1,375 40 | ..... | ..... | ..... | 1 00 | 100 | |
| 36 | 44,834 | 22,992 | 3,089 | 70,885 | 289 | 98 | 19 | 120 | ..... | 62 | 1 09 | ..... | 77,264 65 | ..... | 2 | 5 2 25 | 1 65 | 5,610 | |
| 37 | 31,812 | 52,625 | 2,297 | 146,734 | 2954 | 194 | 8 | 228 | ..... | 62 | 1 09 | ..... | 161,940 06 | ..... | 1 | 2 25 | 1 75 | 10,823 | |
| 38 | 12,049 | 5,685 | 831 | 18,565 | 281 | 28 | 13 | 42 | ..... | 62 | 1 09 | ..... | 20,235 85 | ..... | ..... | 2 25 | 1 50 | 1,585 | New mine. |
| 39 | ..... | 636 | ..... | 45 | 11 | ..... | 4 | 15 | ..... | 62 | 1 30 | ..... | 826 80 | ..... | 1 | 2 25 | 1 55 | 80 | |

16

INSPECTOR OF COAL-MINES.

THIRTEENTH ANNUAL REPORT.

17

*Estimated; no selling price given.
†Man and team.
‡Machine mined; price paid, 32½ cents per ton.

(a) No report; production estimated.
(b) No report.



OSAGE COUNTY COAL-MINES.

| Office No. | Name of operator or company. | Post-office address. | Name of pit boss or underground foreman. | Location of mine. | Has mine railroad connection? | Name of railway. | Kind of opening. | Kind of power used. |
|------------|------------------------------------|----------------------|--|-------------------------------|-------------------------------|------------------|------------------|---------------------|
| 1 | Mount Carmel Coal Company | Topeka | 10 Thomas Elwood | 1/4 mile west of Scranton | Yes. | Santa Fe | Shaft. | Horse. |
| 2 | " | " | 12 Andrew Andreen | 1/4 mile north of | " | " | " | " |
| 3 | " | " | 14 A. Kirkwood | 1 1/4 miles S. W. | " | " | " | " |
| 4 | " | " | 24 George Thomson | 2 miles N. E. of Osage City. | " | " | " | " |
| 5 | " | " | 37 James Main | 1 mile S. E. of | " | " | " | " |
| 6 | " | " | 28 Ed Clift | 2 1/4 miles N. E. of | " | " | " | " |
| 7 | " | " | 29 John O'Melia | 3 miles N. E. of | " | " | " | " |
| 8 | The Western Fuel Company | Osage City | 4 Robt. Hughes | 2 miles N. E. of | " | Mo. Pac. | " | " |
| 9 | " | " | 5 Charles Swanson | 1 1/4 miles east of | " | " | " | " |
| 10 | " | " | 6 Peter Forsberg | 1/4 mile west of | " | " | " | " |
| 11 | " | " | 6 Turner Grosvenor | 1/4 mile S. W. of | " | " | " | " |
| 12 | Sunflower Coal Company | " | 1 J. J. Briggs | 1 mile N. E. of | No. | " | " | " |
| 13 | Labor Exchange, Branch 223 | " | 1 Eric Fellman | 2 miles south Burlingame. | Yes. | Santa Fe | " | " |
| 14 | " | " | 1 John Graham | " | No. | " | " | " |
| 15 | " | " | 1 R. J. Cahill | 1 mile west of Osage City. | Yes. | Mo. Pac. | " | " |
| 16 | The Kansas Coal Company | " | 1 Thomas Skidmore | 2 miles S. E. of Osage City. | No. | " | Drift. | Man. |
| 17 | William Peterson | " | 1 Wm. Peterson | Osage City | Yes. | Mo. Pac. | Shaft. | Horse. |
| 18 | S. J. Carlson | " | 3&5 F. Spain & C. Anderson | Southwest of Osage City. | No. | " | " | " |
| 19 | A. W. Granstrom | " | 1 Emanuel Netleblad. | 1 mile west of | Yes. | " | " | " |
| 20 | Black Diamond Coal-mines | " | 1 Charles Young | Northwest of | No. | " | " | " |
| 21 | John A. Johnson | " | 1 Isaiah Jones | Osage City | " | " | " | " |
| 22 | Isaiah Jones | " | 3 John A. Ryan | 1/4 mile S. E. of Scranton | " | Santa Fe | " | " |
| 23 | Ryan Bros. | " | 3 Geo. Chappell | 2 miles east of Burlingame | " | " | " | " |
| 24 | Chappell Coal Company | " | 1 John Goblar | 1 1/4 miles west of | " | " | " | " |
| 25 | " | " | 1 Samuel Noble | 1 1/4 miles S. E. of Scranton | " | " | Slope. | Steam. |
| 26 | Thomas G. Noble & Sons | " | 1 | " | Yes. | Santa Fe | " | " |
| 27 | Henry Isaacs | " | 1 E. M. Buntzen | 1 1/4 miles west of Scranton | " | " | Shaft. | Horse. |
| 28 | Bellville Coal Company | " | 1 James Taylor | 1 1/4 miles S. W. of | " | " | " | " |
| 29 | James Taylor | " | 1 Evan Griffiths | 2 1/4 miles S. W. of | No. | " | " | " |
| 30 | Standard Coal Company | " | 1 Wm. Menzies | " | Yes. | " | " | " |
| 31 | William Menzies | " | 1 George Elliott | 2 1/4 miles east Burlingame. | Yes. | Santa Fe | " | " |
| 32 | Robt. Elliott | Burlingame | 1 John D. Jack | 1/4 mile S. W. | No. | " | " | " |
| 33 | Jack Coal and Mining Company | " | 1 | 1/4 mile S. E. | No. | " | " | " |
| 34 | " | " | 3 | 1/4 mile S. W. | Yes. | Santa Fe | " | " |
| 35 | " | " | 1 | 1/4 mile south | No. | " | " | " |
| 36 | Hotchkiss Coal Mining Company | " | 1 James Hotchkiss | 2 1/4 miles N. E. | Yes. | Santa Fe | " | " |
| 37 | The Bell Coal Company | " | 1 John Bell | North-east of | " | " | " | " |
| 38 | Thomas Whitcombe | " | 1 Thos. Whitcombe | 2 miles east of | " | " | " | " |
| 39 | Wm. Foster | " | 1 Frank Foster | " | " | " | " | " |
| 40 | Robert Simpson | " | 2 Wm. Maddeford | " | No. | " | " | " |
| 41 | Hugh McFarland | " | 1 H. McFarland | East of Burlingame. | " | " | " | " |
| 42 | A. M. Sommers | Burlingame | 5 A. M. Sommers | 1/4 mile N. E. Burlingame. | Yes. | Santa Fe | Shaft. | Horse. |
| 43 | Ross Coal Company | " | 1 Alex. Ross | 3 miles N. E. | No. | " | " | " |
| 44 | Central Coal and Mining Company | Peterton | 1 Ed. Harvey | 1 mile east of Peterton | Yes. | Santa Fe | Shaft. | Horse. |
| 45 | J. C. Harvey | " | 2 Michael Coughlin | 1/4 mile N. E. | " | " | " | " |
| 46 | Coughlin Coal Company | " | 1 H. A. Thomas | " | No. | " | Strip pit | " |
| 47 | H. A. Thomas | Scranton | " | " | " | " | " | " |
| 48 | Wm. J. Jeramy | Arvonia | 1 F. M. Moore | 3 miles north of Lebo. | " | " | Drift. | Man. |
| 49 | F. M. Moore | " | " | South of | " | " | " | " |
| 50 | Lewis Evans | " | " | Arvonia | " | " | Strip. | Horse. |
| 51 | John Lewis | " | " | Southeast of Quenemo. | " | " | Drift. | Man. |
| 52 | Jos. Bruce, Jr. | Quenemo | " | " | " | " | " | " |
| 53 | Grant Cline | " | " | " | " | " | " | " |
| 54 | Ben Cade | " | " | " | " | " | " | " |
| 55 | M. C. Barrett | " | " | " | " | " | " | " |
| 56 | C. W. Space | " | " | " | " | " | " | " |
| 57 | Amos Haddon | " | " | " | " | " | " | " |
| 58 | G. B. Scott | Carbondale | " | " | " | " | " | " |
| 59 | Other drift and strip (estimated). | " | " | " | " | " | " | " |

18

INSPECTOR OF COAL-MINES.

THIRTEENTH ANNUAL REPORT.

19



OSAGE COUNTY COAL-MINES—CONCLUDED.

| Office No. | Tons of coal produced (2000 pounds to the ton). | | | Number of days mine worked during year. | Average number of miners. | Average number of day hands. | Average number of boys. | Average number of employees. | Av. paid per ton for mining. | Av. selling price at mine. | | Estimated value of output. | Casualties. | | Number of bags of powder used during year. | Average wages paid day men above ground. | Average wages paid day men under ground. | Remarks. |
|------------|---|----------------|-----------|---|---------------------------|------------------------------|-------------------------|------------------------------|------------------------------|----------------------------|-----------|----------------------------|-------------|----------|--|--|--|------------------------|
| | Lump. | Net and slack. | Mine run. | | | | | | | Lump. | Mine run. | | Killed. | Injured. | | | | |
| 1 | 2,750 1/2 | | | 34 | 65 | 6 | 6 | 76 | \$1.30 | | | \$4,812.50 | | | | \$1.80 | | Abandoned February 24. |
| 2 | 3,254 1/2 | | | 25 | 75 | 5 | 5 | 91 | 1.17 1/2 | | | 2,442.70 | | | | 1.80 | | |
| 3 | 1,115 1/2 | | | 28 | 25 | 2 | 2 | 28 | 1.35 | | | 1,952.53 | | | | 1.80 | | |
| 4 | 2,525 1/2 | | | 26 | 70 | 10 | 4 | 84 | 1.42 1/2 | | | 4,987.50 | | | | 1.80 | | (a) |
| 5 | 1,940 1/2 | | | 48 | 40 | 4 | 2 | 45 | 1.42 1/2 | | | 3,687.71 | | | | 1.80 | | (b) |
| 6 | 15,123 1/2 | | | 145 | 64 | 53 | 3 | 74 | 1.42 1/2 | | | 28,734.27 | | | | 1.80 | | (c) |
| 7 | 8,869 1/2 | | | 99 | 49 | 2 | 3 | 53 | 1.42 1/2 | | | 16,472.43 | | | | 1.80 | | (d) |
| 8 | 4,429 1/2 | | | 200 | 26 | 2 | 3 | 31 | 1.42 1/2 | | | 9,190.17 | | | | 1.75 | | |
| 9 | \$5,000 | | | 200 | 27 | 2 | 2 | 29 | 1.42 1/2 | | | 10,375.00 | | | | | | |
| 10 | 3,036 | | | 200 | 13 | | | 15 | 1.42 1/2 | | | 6,299.70 | | | | 2.12 1/2 | 1.75 | |
| 11 | 2,000 | | | 135 | 12 | 1 | | 13 | 1.42 1/2 | | | 4,150.00 | | | | | | |
| 12 | 200 | | | 108 | 2 | | | 2 | 1.42 1/2 | | | 400.00 | | | | | | |
| 13 | 5,573 | | | 200 | 30 | 1 | 5 | 36 | 1.37 1/2 | | | 12,037.68 | | | | | | (e) |
| 14 | 4,224 1/2 | | | 215 | 18 | 9 | 2 | 20 | 1.37 1/2 | | | 8,448.60 | | | | | | (f) |
| 15 | 1,002 1/2 | | | 110 | 9 | | | 12 | 1.37 1/2 | | | 2,165.18 | | | | | | (g) |
| 16 | 5,028 1/2 | | | 140 | 40 | 4 | | 46 | 1.42 1/2 | | | 13,558.60 | | | | 50 | 2.00 | |
| 17 | 422 | | | 150 | 3 | 1 | 1 | 4 | 1.42 1/2 | | | 844.00 | | | | 75 | | |
| 18 | 5,231 | | | 195 | 23 | 3 | 6 | 34 | 1.40 | | | 10,462.00 | | | | 25 | 1.75 | |
| 19 | 7,838 | | | 230 | 32 | 3 | | 35 | 1.42 1/2 | | | 15,082.20 | | | | 50 | 1.80 | |
| 20 | 13,100 | | | 113 | 15 | 2 | 2 | 20 | 1.42 1/2 | | | 29,475.00 | | | | 25 | 1.75 | |
| 21 | 1,717 | | | 148 | 9 | 2 | | 11 | 1.42 1/2 | | | 3,605.70 | | | | 25 | 1.50 | (h) |
| 22 | 2,000 | | | 200 | 8 | 3 | | 11 | 1.42 1/2 | | | 4,000.00 | | | | 25 | | |
| 23 | 7,440 | | | 190 | 40 | 5 | 4 | 49 | 1.27 1/2 | | | 13,392.00 | | | | 12 1/2 | 2.00 | |
| 24 | 12,480 | | | 219 | 40 | 5 | 5 | 45 | 1.22 1/2 | | | 23,857.20 | | | | 25 | 2.00 | |
| 25 | 6,098 | | | 180 | 25 | 4 | 29 | 1.22 1/2 | 1.84 | | | 11,220.32 | | | | 00 | 1.75 | |
| 26 | 971 | | | 200 | 5 | 1 | 6 | 1.37 1/2 | 1.87 | | | 1,815.77 | | | | 2.00 | 1.50 | |
| 27 | 7,800 | | | 200 | 26 | 5 | 2 | 33 | 1.22 1/2 | | | 13,650.00 | | | | 25 | 2.00 | |
| 28 | 1,318 | | | 80 | 25 | 4 | 29 | 1.35 | 2.00 | | | 2,636.00 | | | | 25 | 2.00 | |
| 29 | 1,120 | | | 140 | 7 | 7 | 7 | 7 | 1.22 1/2 | | | 1,848.00 | | | | 50 | 2.00 | |
| 30 | 1,000 | | | 20 | 1 | 1 | 21 | 1.32 1/2 | 1.85 | | | 1,850.00 | | | | | | |
| 31 | 500 | | | 180 | 3 | 3 | 3 | 3 | 1.37 1/2 | | | 1,000.00 | | | | | | |
| 32 | 4,142 | | | 302 | 14 | 3 | 17 | 1.22 1/2 | 1.88 | | | 7,786.96 | | | | 2.00 | 1.50 | |
| 33 | 1,547 | | | 80 | 15 | 3 | 18 | 1.25 | 2.00 | | | 3,094.00 | | | | 2.00 | 1.35 | 9 |
| 34 | 231 | | | 43 | 5 | 1 | 6 | 1.25 | 2.00 | | | 462.00 | | | | | | |
| 35 | 2,784 | | | 78 | 27 | 5 | 29 | 1.25 | 2.00 | | | 5,268.00 | | | | 2.00 | 1.35 | |
| 36 | 3,500 | | | 200 | 20 | 4 | 29 | 1.27 1/2 | 2.00 | | | 7,000.00 | | | | 00 | 1.25 | 15 |
| 37 | 6,550 | | | 223 | 25 | 5 | 33 | 1.27 1/2 | 1.85 | | | 12,117.50 | | | | 00 | 1.50 | |
| 38 | 9,000 | | | 240 | 25 | 3 | 28 | 1.35 | 1.60 | | | 14,400.00 | | | | 00 | | |
| 39 | 3,787 | | | 225 | 30 | 4 | 24 | 1.27 1/2 | 2.00 | | | 7,574.00 | | | | 1.50 | | |

| | | | | | | | | | | | | | | | | | | |
|---------|---------|----|--|-----|----|---|----|----------|------|--|--|-----------|------------|---|---|------|------|-----|
| 40 | 3,400 | | | 250 | 15 | 3 | 18 | 1.27 1/2 | 1.90 | | | 6,400.00 | | | | 2.00 | 1.25 | |
| 41 | 3,800 | | | 220 | 20 | 1 | 21 | 1.27 1/2 | 2.00 | | | 7,800.00 | | | | 25 | 1.25 | 18 |
| 42 | 2,000 | 20 | | 125 | 25 | 5 | 30 | 1.27 1/2 | 2.10 | | | 4,242.00 | | | | 25 | 1.25 | 4 |
| 43 | 600 | | | 100 | 6 | 1 | 8 | 1.35 1/2 | 2.00 | | | 1,200.00 | | | | 00 | 1.25 | (i) |
| 44 | 782 | | | 100 | 4 | 2 | 7 | 1.27 1/2 | 2.00 | | | 1,566.00 | | | | 25 | 1.00 | |
| 45 | 2,997 | | | 175 | 20 | 4 | 24 | 1.42 1/2 | 2.00 | | | 5,194.00 | | | | 25 | 2.00 | |
| 46 | 5,510 | | | 200 | 30 | 3 | 37 | 1.42 1/2 | 2.25 | | | 12,367.50 | | | | 25 | 2.00 | (k) |
| 47 | 120 | | | 70 | 2 | 2 | 2 | | 2.00 | | | 240.00 | | | | | | |
| 48 | 80 | | | 30 | | | | | 2.00 | | | 140.00 | | | | | | |
| 49 | 124 | | | 100 | | 1 | 1 | | 2.00 | | | 245.00 | | | | | | |
| 50 | 120 | | | 60 | 4 | | 4 | | 2.00 | | | 240.00 | | | | | | |
| 51 | 120 | | | 70 | 2 | | 2 | | 2.00 | | | 240.00 | | | | | | |
| 52 | 130 | | | 60 | 4 | | 4 | | 2.00 | | | 240.00 | | | | | | |
| 53 | 45 | | | 35 | 2 | | 2 | | 2.00 | | | 290.00 | | | | | | |
| 54 | 25 | | | 30 | 1 | | 1 | | 2.00 | | | 90.00 | | | | | | |
| 55 | 90 | | | 70 | 2 | | 2 | | 2.00 | | | 180.00 | | | | | | |
| 56 | 708 1/2 | | | 30 | 3 | | 30 | 1.30 | 2.00 | | | 1,417.60 | | | | | | |
| 57 | 200 | | | 90 | 3 | | 3 | 1.50 | 2.00 | | | 400.00 | | | | | | |
| 58 | 500 | | | 150 | 3 | 3 | 6 | 1.17 1/2 | 2.00 | | | 1,000.00 | | | | 1.00 | | |
| 59 | 6,000 | | | 150 | 60 | | 60 | | 2.00 | | | 12,000.00 | | | | | | |
| 194,598 | | | | | | | | | | | | | 877,350.24 | 2 | 2 | | | 50 |

Dynamite: a, b, 50 lbs.; c, 350 lbs.; d, 230 lbs.; e, 190 lbs.; f, 40 lbs.; g, 150 lbs.; h, 12 boxes; i, 30 lbs.; k, 200 lbs.
* No report; production estimated.

20

INSPECTOR OF COAL-MINES.

21

THIRTEENTH ANNUAL REPORT.



ATCHISON COUNTY.

W. T. F. DONALD owns and operates the only mine in this county. It is located three miles south of the city of Atchison, on a branch of the Missouri Pacific railroad. The mine is a horse-power, drift opening. The vein averages about eleven inches in thickness and is worked on the long-wall system. The miners are paid \$1.50 per ton for mining, and the coal sells at three dollars per ton. Five miners and one day man worked 250 days, and produced 1200 tons of coal during the year, valued at \$3600 at the mine. James Maynard, mine boss.

During the year 1900, the citizens of Atchison raised a fund for the purpose of drilling for coal, and early in the year operations were started, and a hole was drilled to a depth of 1353 feet on Mr. Donald's land, south of the city of Atchison. As will be seen by the records which follow, two good, workable veins of coal were found. One vein, of one foot ten inches was found at a depth of 800 feet. This is presumably the same vein of coal that is being worked at Leavenworth. Continuing to a depth of 1126 feet, a vein of thirty-six inches was found. The development of this field will mean so much to the commercial interests of Atchison and vicinity that no doubt the great capital required to properly bring out its value will be promptly forthcoming. The evidence leads to the conclusion that an extensive coal-field exists in Atchison county, and that its development will place it among the best coal-producing territories of the state.

LOG OF ATCHISON COAL PROSPECT WELL.

Drilled in 1900, near the old site of Sumner. Figures indicate feet and inches.

| Thickness. | Material. | Depth. |
|------------|--------------------------|--------|
| 18 ft. | Clay and loose rock..... | 18 ft. |
| 6 | Clay shale..... | 24 |
| 7 | Sandstone..... | 31 |
| 9 | Blue shale..... | 40 |
| 34 | Blue shale..... | 64 |
| 1-2 | Sandstone..... | 65-2 |
| 4-10 | Blue shale..... | 70 |
| 20 | Blue shale..... | 90 |
| 15 | Blue shale..... | 105 |
| 2 | Conglomerate..... | 107 |
| 21 | Sand shale..... | 128 |
| 32 | Sand shale..... | 160 |
| 7 | Sandstone..... | 167 |
| 9 | Blue shale..... | 176 |
| 3 | Sandstone..... | 179 |
| 11 | Sand shale..... | 190 |
| 12 | Sandstone..... | 202 |
| 22 | Sandstone..... | 224 |
| 2 | Limestone..... | 226 |
| 8 | Blue shale..... | 234 |
| 2 | Sandstone..... | 236 |
| 3 | Sand shale..... | 239 |
| 5 | Sandstone..... | 244 |
| 19 | Limestone..... | 263 |
| 1 | Limestone..... | 264 |
| 4 | Sandstone..... | 268 |
| 1 | Limestone..... | 269 |
| 12 | Sandstone..... | 281 |



THIRTEENTH ANNUAL REPORT.

23

| Thickness. | Material. | Depth. |
|------------|--------------------------------------|--------|
| 2 | Blue shale | 283 |
| 6 | Limestone | 289 |
| 2 | Limestone | 291 |
| 27 | Sand shale | 313 |
| 8 | Sand shale | 326 |
| 11 | Limestone | 337 |
| 3 | Blue shale | 340 |
| 9 | Limestone | 349 |
| 2-8 | Blue shale | 351-8 |
| 1-4 | Black shale | 353 |
| 1 | Limestone | 354 |
| 9 | Blue shale | 358 |
| 5 | Limestone | 363 |
| 5 | Green shale | 368 |
| 5 | Blue shale | 373 |
| 5 | Limestone | 378 |
| 4 | Shale mixed with limestone | 383 |
| 1 | Limestone | 387 |
| 4 | Blue shale | 388 |
| 5 | Limestone | 392 |
| 2 | Black shale | 397 |
| 9 | Blue shale | 399 |
| 3 | Limestone | 408 |
| 1 | Blue shale | 411 |
| 8 | Conglomerate | 412 |
| 7 | Blue shale | 420 |
| 2-6 | Conglomerate | 427 |
| 5-6 | Limestone | 429-6 |
| 4 | Conglomerate | 435 |
| 15 | Limestone | 439 |
| 8 | Blue shale | 454 |
| 19 | Limestone | 462 |
| 4 | Black shale | 481 |
| 16-6 | Limestone | 485 |
| 1 | Blue shale | 501-6 |
| 5-6 | Sand shale | 502-6 |
| 5 | Sandstone | 508 |
| 0-1 | Coal | 513 |
| 5-11 | Sand shale | 513-1 |
| 1 | Limestone | 519 |
| 42 | Sand shale | 520 |
| 15 | Clay shale | 562 |
| 7 | Blue shale | 577 |
| 5 | Sandstone | 584 |
| 9 | Clay shale | 589 |
| 15-6 | Clay shale | 598 |
| 0-6 | Limestone | 613-6 |
| 4 | Clay shale | 614 |
| 4 | Sandstone | 618 |
| 2 | Blue shale | 622 |
| 3-6 | Clay shale | 624 |
| 0-3 | Slaty coal | 627-6 |
| 1-3 | Black slate, with limestone bands | 627-9 |
| 2 | Soft shale or fine clay | 629 |
| 4 | Limestone | 631 |
| 3 | Shale with limestone bands | 635 |
| 5 | Shale mixed with lime | 638 |
| 6 | Blue shale | 643 |
| 2 | Shale mixed with lime | 649 |
| 2 | Blue shale | 651 |
| 5 | Shale mixed with limestone | 653 |
| 2 | Soft clay shale | 658 |
| 2 | Limestone | 660 |
| 9 | Sand shale | 662 |
| 7-6 | Black slate | 671 |
| 1-6 | Limestone | 672-6 |
| 2-4 | Black slate | 680 |
| 0-10 | Coal | 682-4 |
| 0-10 | Dark shale | 683-2 |
| 1 | Black shale | 684 |
| 7 | Limestone | 685 |
| 2 | Lime shale | 692 |
| 3 | Limestone | 694 |
| 6 | Dark shale | 697 |
| 4 | Clay shale | 703 |
| 1 | Limestone | 707 |
| 4 | Shale mixed with lime | 708 |
| 4 | Limestone | 712 |
| 2-6 | Black shale, with limestone boulders | 716 |
| 4-6 | Soft sand shale | 718-6 |
| 40 | Blue shale | 723 |
| 0-10 | Black slate | 723 |
| 0-10 | Coal with shale partings | 763-10 |
| 10-4 | Sandstone with shale partings | 764-8 |
| 2 | Black slate | 775 |
| 0-9½ | Black shale | 777 |
| 0-2½ | Coal | 777-9½ |
| | | 778 |