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Twenty-Seventh Annual Coal Report

Gift of  
Dr. Frederick Howard Wines.

OF THE

Illinois Bureau of

# LABOR STATISTICS

1908.



DAVID ROSS, Secretary,  
SPRINGFIELD.



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1908.

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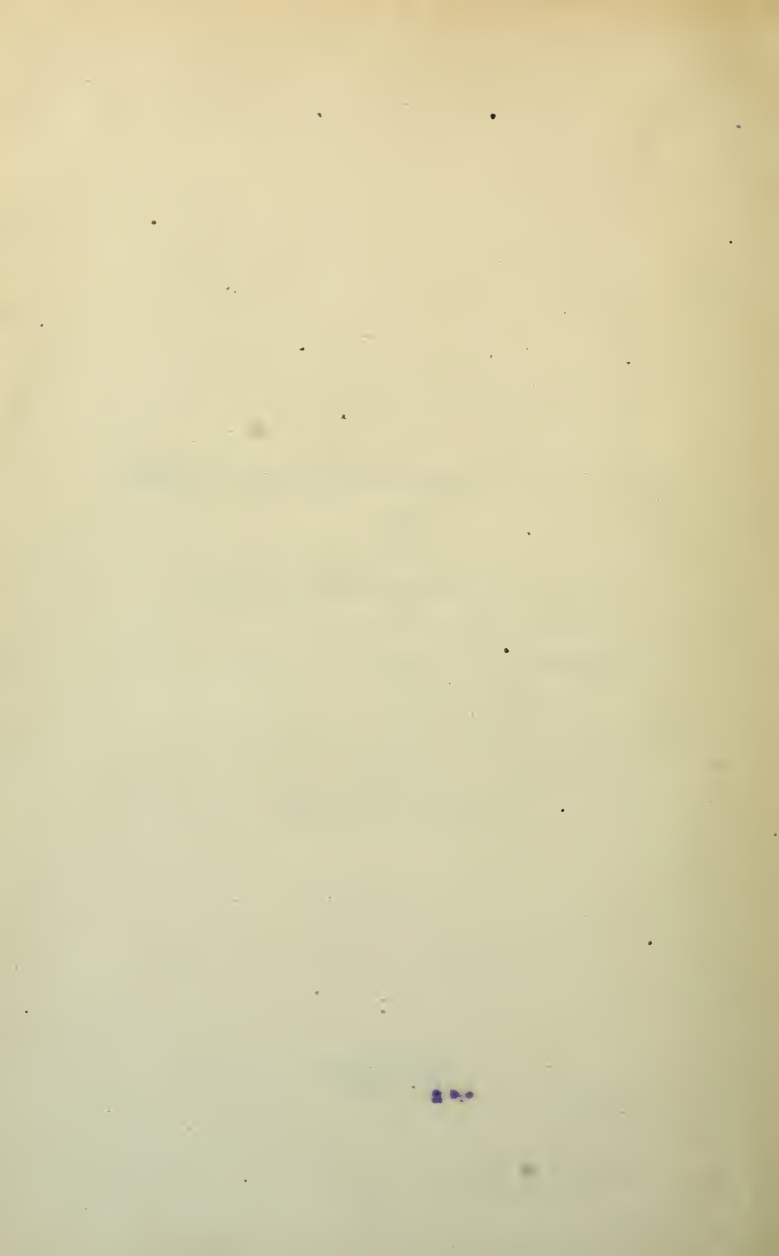
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1908.

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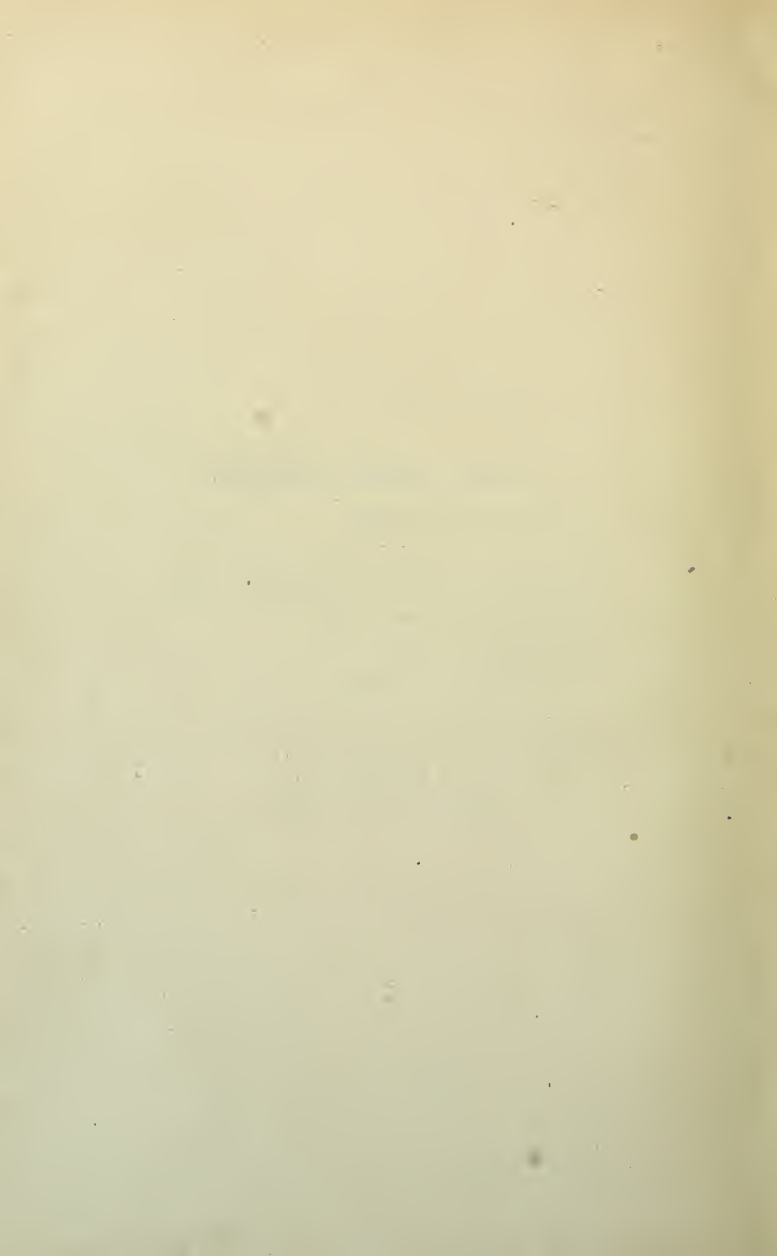
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1908.

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STATE OF ILLINOIS,  
OFFICE OF THE BUREAU OF LABOR STATISTICS,  
SPRINGFIELD, Jan. 1, 1909.

*Honorable Charles S. Deneen, Governor of Illinois:*

SIR—I have the honor, on behalf of the Board of Commissioners of Labor, to submit herewith the twenty-seventh annual report of the coal industry of the State for the year ended, July 1, 1908.

Very respectfully,

DAVID ROSS,  
*Secretary.*



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# TWENTY-SEVENTH ANNUAL REPORT.

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## Statistics of Coal in Illinois for the Year Ending June 30, 1908.

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### COAL IN ILLINOIS.

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#### INTRODUCTORY.

During the year closing with this report the volume of coal production reached its highest point in the history of mining in Illinois.

Up to this time there has been a steady annual increase particularly since the revival of industry in 1897.

Present appearances however, indicate that a reaction has set in, the effects of which will be noticeable in the succeeding report, not alone in the matter of production, but, what is equally if not more important, in values as well.

With a mining equipment easily equal to twice the demands of the market, the natural ambition to get business has resulted in the almost complete demoralization of prices on contract coal. The statement can be made safely and confidently that never before was coal sold to the great consumers at a price so near if not in some instances below, the actual cost of production. In addition to general wasteful methods we are robbing a valuable future inheritance and yielding up, without adequate return, an essential element of present and future power.

What a ridiculous commentary it is upon modern business sense when we are compelled to admit that the larger the concern the less it has to pay for what it needs—that values are not based on worth or the labor required in their production, but on the size of the concerns with which we do business and the extent of the orders they may grant. A great railroad or other corporation lets a contract for 100,000 tons of coal and it is filled at one dollar per ton or less; the private household consumer requiring twenty, thirty or fifty tons per annum is charged \$2.50 or \$3.00 per ton delivered. The local trade is taxed for the benefit of the big consumers. If the larger buyers continue to dodge their share of the costs, the little ones must make good the difference.

A business that taxes most, those who can least afford it, is not conducted on the principle of the Golden Rule and its failure is but a question of time. If the transportation interests have not secured too strong a grip on the coal mining industry of the country, it is possible, to reorganize the business on a basis that will insure justice to all; a reasonable and uniform charge for an indispensable commodity; a fair return on the capital invested, and liberal wages for all classes of men engaged in the occupation. Instead of wasting brain tissue in the foolish attempt to get business at no-profit prices, better devise a plan that would distribute charges by withdrawing favors to great consumers, put all in respect to prices, on an equality, and the cost to the average consumer would be less, profits and wages could be increased while the necessities created by the present unbusinesslike system, which puts everybody at the mercy of some one else, would immediately cease to exist. It is a consideration devoutly to be wished, and its promise will not be realized until some of the power now wasted in mere quibbling over details is applied in a practical manner that will put the industry on a safe paying basis without oppressing or treating unfairly, any legitimate interest. It is impossible to make the small class of consumers believe, many of whom live in the coal regions, that the average reported value of coal at the mines is but a fraction in excess of \$1.00 per ton, neither can they understand why they should be selected for discrimination in the matter of prices compared with the favored rates granted the great consumers.

Under the prevailing system, if it is permissible to speak of it as such, there is valid ground for the double complaint; first, on the part of the smaller consumers that they are compelled to pay excessive prices for fuel; and second, on the part of the mine owners that, figuring on the prices at which the entire output is sold, there is but little if anything in the business for them. So dangerously close has the margin become, that any change in the way of legislation or otherwise designed to further protect employes, if it adds to the cost of production in a degree however insignificant, is followed by a threat to close the mines. When an industry reaches a point where the men who have their money invested feel more secure with their property idle than in operation, the time has certainly arrived to test the sanity of present business methods.

The total product for the year was 49,272,452 tons, of which amount the 407 commercial mines furnished 47,809,730 tons, and the 515 local mines, 1,462,722 tons, representing about the usual ratio between the shipping and local mines. There were employed in every capacity in and about the mines 70,841 men, of which number 46,194 were miners employed in the shipping mines, an average of 191 days during the year and producing 1,035 tons per miner.

More than one-third of the entire tonnage was cut by machines. Notwithstanding an unfavorable machine mining rate the quantity of coal secured through the use of machines continues to steadily increase. Naturally with an increased machine tonnage the quantity of powder used in blasting would decrease proportionately. The figures show the reverse to be true and that while the machine tonnage for this year com-

pared with last, increased 719,969 tons, there was an increase of 66,544 kegs in the quantity of powder consumed or an average of thirty-four tons of coal to each keg of powder.

The coal miners attribute the increase to the fact that powder is cheaper than formerly and therefore inferior in strength. The powder companies insist that there has been no change either in the composition of the product or in the process of its manufacture. It would seem unnecessary to seriously consider either of these claims, but where the facts show that it requires the consumption in solid shooting mines of nearly one pound of powder for every ton of coal produced, the results cannot be considered in any other way than as a condemnation of existing methods. In the thick coal seams of the State, furnishing 73.3 per cent of the total product used, and the ratio will continue to increase, powder or some other explosive equally powerful, will be necessary in the process of extracting coal, whether it is undercut before shooting or not. The question therefore resolves itself to the simple proposition, whether having in view the conservation of life and property, we shall continue to commit to incompetent and careless hands, the use of dangerous explosives, or provide, either by statute or mutual agreement, that only men specially educated and trained for such work shall be employed, whose exclusive duty it shall be to drill holes, charge and fire same. In commenting on this question in the 1906 coal report in which such a plan was recommended, reference was made to the great and unnecessary expense entailed in the present promiscuous use of powder. On the assumption that fully one-half of the powder consumed was practically wasted, a loss that could be avoided under the proposed plan, in addition to the saving of lives and the production of a better quality of coal, it was estimated that nearly one million dollars could be saved annually to the miners.

So terrific have been some of the explosions in our coal mines, that, had they occurred while the usual complement of men were at work, not a single life would have been spared. It was the consideration of such a possibility that induced the Legislature to create the shot firers law, effective July 1, 1905. That law was, and is, subject to the fair criticism that it transferred the responsibility from the man who prepared the improper shot to the man whose duty it now is to fire the shot. The friends of that law could do no other than admit the truth and force of such an objection, but in answer thereto, set up the justifiable plea that if the lives of the men had to be sacrificed in such work it was the part of wisdom to expose the least number possible to the deadly fury of the blast.

Taking the years from 1903 to 1908, inclusive, three years preceding and three years succeeding the enactment of the shot firers law, it is found that the loss of life directly due to the use of powder is nearly forty per cent less during the three year period that the law has been in operation, during which time there has been a very material increase both in the tonnage and in the number of men employed.

It was the intention of the law to protect the shot firer in his refusal to fire shots which in his judgment, were dangerous.

The causes from which many shot firers have lost their lives, indicate either that many of them were selected without considering their qualifications for such employment, or that their judgment was defective. No matter what the cause, whether bad judgment on the part of the shot firers, or undue haste in the discharge of their duties; or a desire not to offend miners whose shots were not properly located or prepared, the law has not been given a fair trial.

The deaths in most instances resulted from the firing of dead holes which is strictly forbidden by the law.

If the enforcement of the law had been entrusted only to men particularly equipped for that kind of work, the percentage of loss would have been considerable less.

Of the twenty-nine fatalities reported this year as a result of using power, fourteen were shot firers, and fifteen miners, seven of the miners lost their lives in an ignorant and unlawful effort to prepare shots, which is an additional reason why some plan should be adopted that would entirely divorce the present class of miners from all connection with deadly explosives.

In the general classification of fatal accidents by causes appearing in table seventy-nine it is noted that of the 183 fatal accidents this year, one-half, or 49.7 per cent resulted from falling roof and coal at the working faces of rooms and entries. Mine cars account for thirty-five or six more than to the use of powder.

No amount of legislation can make absolutely safe the business of coal mining. The occupation, by its very nature, is hazardous, and accidents from one cause or another will continue to occur.

In respect to the accidents resulting from falling slate and coal many of them are due to carelessness and therefore preventable.

The statement that "familiarity breeds contempt" is as true of danger as of other things. Men whose occupations expose them to a certain class of known risks, become indifferent and are willing at all times to take chances. It is this association with dangers and the natural disposition of men that swells the totals of our casualty lists. As a means of protecting men from themselves, it has become the custom recently in certain coal mining districts for companies to employ what is known as face bosses, whose duty it is to visit men while at work and when they note any dangerous places, to insist upon the miners propping them without delay. A very material reduction in the customary number of accidents from such causes in those districts has resulted, and the general adoption of such a practice in the State, would doubtless have a most salutary effect. Men who have followed the business of coal mining, know how natural it is for those who while fully advised of a bad rock, in their eagerness to complete some other work, will defer propping it only to be caught in its fall later on. If it only cripples him, he becomes a charge upon his family and friends during recovery, if it proves fatal a widow and perhaps a number of orphan children suffer and pay the penalty of parental carelessness.

This volume presents the twenty-seventh annual report of the bureau concerning the coal mining industry of the State, and is for the year

ending June 30, 1908. The different tables following bring to view the many features of the industry, all of which are drawn from the reports of the ten State Inspectors of Mines. These reports are compiled by the inspectors from schedules secured from every operator in the State, and are therefore the most reliable information obtainable. The presentations are similar, in every respect, to those to be found in the reports of previous years. So that comparisons can be readily made of all the different features shown. A summary is presented of the most important subjects considered; these are derived from the reports of the inspectors.

*Summary for the Year Ended June 30, 1908.*

	1908	1907
Number of counties producing coal.....	54	55
Number of mines and openings of all kinds.....	922	933
New mines or old mines reopened during the year.....	97	88
Mines closed or abandoned since last report.....	108	173
Total output of all mines, in tons of 2,000 pounds.....	49,272,452	47,798,621
Number of shipping or commercial mines.....	407	411
Number employed at shipping mines.....	67,470	63,154
Total output of shipping mines, tons.....	47,809,730	46,436,839
Number of mines in local trade only.....	515	522
Output of local mines, tons.....	1,462,722	1,361,782
Total tons of mine run coal.....	11,224,540	11,628,302
Total tons of lump coal.....	21,166,563	20,599,509
Total tons of egg coal.....	2,594,336	2,469,442
Total tons of nut coal.....	2,788,120	2,625,306
Total tons of pea coal.....	9,640,914	9,138,044
Total tons of slack coal.....	1,857,979	1,338,018
Total tons shipped.....	43,558,055	42,032,535
Tons supplied to locomotives at the mines.....	1,016,360	1,100,706
Tons sold to local trade.....	2,517,366	2,503,639
Tons consumed (or wasted) at the plant.....	2,180,661	2,161,741
Average days of active operation for shipping mines.....	191	209
Average days of active operation for all mines.....	171	184
Average value per ton all grades at shipping mines.....	\$1.02	\$1.022
Aggregate home value of total product.....	\$50,989,082	\$49,486,396
Average value per ton, all grades, at all mines.....	\$1.035	\$1.037
Number of mines in which mining machines are used.....	105	101
Number of mining machines in use.....	1,160	1,105
Number of tons undercut by machines.....	15,210,423	14,490,454
Number of tons mined by hand.....	34,062,029	33,308,186

*Summary—Concluded.*

	1908	1907
Average number of miners employed during the year .....	48,931	45,498
Average number of other employes underground .....	13,929	13,026
Average number of boys employed underground .....	1,564	1,595
Average number of employes above ground .....	6,417	6,595
Total number of employes .....	70,841	66,714
Number of persons at work underground .....	64,424	60,119
Number at work on surface .....	6,417	6,595
Average price paid per gross ton for hand mining, shipping mines .....	\$0.593	\$0.592
Average price paid per gross ton for machine mining .....	\$0.467	\$0.479
Number of kegs of powder used for blasting coal .....	1,328,454	1,261,910
Number of kegs of powder used for other purposes .....	2,692	5,121
Number of men accidentally killed .....	183	165
Number killed inside of the mines .....	170	158
Number killed outside of the mines .....	13	7
Number of wives made widows .....	90	95
Number of children left fatherless .....	223	273
Number of men injured so as to lose a month or more of time .....	819	636
Number of gross tons mined to each life lost .....	249,279	289,689
Number of employes to each life lost .....	428	404
Number of deaths per 1,000 employed .....	2.6	2.5
Number of gross tons mined to each man injured .....	60,162	74,802
Number of employes to each man injured .....	86	104
Number killed to each million tons produced .....	3.7	3.5
Number injured to 1,000 employed .....	11.6	9.6

Fifty-four counties are reported this year as producing coal; this is one county less than reported last year. Jersey county reporting no coal mined. The number of mines in operation was 922, this is eleven less than last year, this number comprises four shipping mines and seven local mines, and ninety-six less than reported for 1906.

The output of coal was 49,272,452 tons, an increase over last year of 1,473,831 tons, or 3.1 per cent. This small increase is accounted for, partly at least, by the almost entire suspension of mining at shipping mines during the month of April, pending the settlement of mining prices, and other matters, between the miners and operators for the ensuing two years.

The output of the shipping mines of the State during the month of April was only 140,640 tons, while the average monthly output for the other eleven months was 4,333,553 tons; so that, had normal operations continued throughout the year, the total output would have been about fifty-four million tons. The aggregate home value of the total product at

the mines was \$50,989,082.00, giving an average value per ton of \$1.035 for all grades of coal; the average value per ton, all grades, last year was \$1.037.

The number of persons employed increased 6.2 per cent, wholly at the shipping mines, and mainly of miners proper. The total tonnage of the shipping mines, loaded on cars at the mines for transportation to the markets, was 43,558,055 tons, this was 91.1 per cent of the total output of all grades of this class of mines; this tonnage shipped from the mines exceeded that of last year by one and a half million tons.

Machine cutting of coal shows an increase of over seven hundred thousand tons more than was cut last year, this increase was wholly in mines where the coal is cut exclusively by machines. The number of machines in use in this class of mines was 754, an increase of six machines over last year, and the largest number ever reported. The total number of machines in use this year was 1,160, this is fifty-five machines more than was reported last year. The total tons cut by machines was 15,210,423; this is over thirty per cent of the total tons produced, and is about the same proportion as shown for last year.

Notwithstanding the efforts made by operators and miners to reduce the prodigal use of powder in the mines; the number of kegs used the past year was 1,328,454, an increase of 66,544 kegs, or five per cent more than was used last year, and over twenty-nine per cent more than was used in 1906. Each keg of powder contains twenty-five pounds, which applied to the total number of kegs used during the past year equals 33,211,350 pounds, or 16,606 tons of powder exploded in the coal mines of the State. To further illustrate the excessive use of powder in mining coal in this State it is shown that the shipping mines, in which ninety-seven per cent of the powder is used, were in operation an average of 191 days. Applying this number of days to the total pounds of powder used, gives 173,881 pounds or eighty-seven tons of powder consumed every working day in our coal mines during the past year.

The agreed price of powder per keg to the miners is \$1.75 this gives an aggregate of \$2,324,794.00 paid by the miners for powder during the year.

The number of men killed in the mines during the past year was 183, this is eighteen more than reported last year, and exceeds in number that of any previous year, with the exception of the year 1895, when fifty men lost their lives in one accident at the Zeigler mine in Franklin county. The number of men reported as injured, so as to lose thirty or more days time, was 819, this is 147 more than reported for any previous year.

The ratio of total accidents for the year was 2.6, and for non-fatal 11.6 to each 1,000 persons employed.

#### CLASSIFICATION OF MINES.

The same order is observed here, in presenting the statistics of the coal mines of the State, as followed in former reports. The two classes of mines, shipping and local, are shown separately and combined as a total for all mines.

Table 1 shows, in condensed form, by districts, the total number of mines, men and tons, also the same for shipping and local mines. The output of shipping mines was 1,372,891 tons more than last year, while local mines decreased in output 100,940 tons. The mines of the sixth, seventh, eighth, ninth and tenth districts produced 73.3 per cent of the total tonnage of the State.

TABLE 1—*Mines, Men and Tons, all Mines and Shipping and Local Mines by Districts, 1908.*

DISTRICT.	ALL MINES.			SHIPPING.			LOCAL.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First.....	63	6,800	2,980,228	29	6,379	2,768,645	34	421	211,583
Second.....	131	5,802	2,373,935	15	5,134	2,157,151	116	668	216,784
Third.....	103	4,125	2,370,764	26	3,627	2,130,461	77	498	240,303
Fourth.....	146	4,306	2,524,602	37	3,841	2,411,554	109	465	113,048
Fifth.....	47	4,357	2,902,369	18	4,047	2,705,468	29	310	196,901
Sixth.....	71	8,044	5,923,197	46	7,854	5,840,028	25	190	83,169
Seventh.....	75	9,054	7,237,368	37	8,749	7,173,183	38	305	64,185
Eighth.....	112	9,362	8,101,263	75	9,106	7,930,813	37	256	170,450
Ninth.....	67	7,928	6,293,601	56	7,835	6,242,678	11	93	50,923
Tenth.....	107	11,063	8,565,125	68	10,898	8,449,749	39	165	115,376
The State..	922	70,841	49,272,452	407	67,470	47,809,730	515	3,371	1,462,722



Table 2 presents the percentages of the distribution of all mines, men and tons as to districts, also the percentages of the mines, men and tons of the shipping and local mines represented in each district, and the similar percentages for the State.

The shipping mines represent only 44.14 per cent of the whole number in the State, but employed 95.24 per cent of the men and produced 97.03 per cent of the tonnage.

In the ninth district 83.58 per cent of the mines were of the shipping class, employing 98.83 per cent of the men and producing 99.19 per cent of the coal. These are the largest percentages shown for any district.

TABLE 2—Percentages of Mines, Men and Tons, all Mines, and of Shipping and Local Mines, 1908.

DISTRICT.	PERCENTAGE.								
	ALL MINES.			SHIPPING.			LOCAL.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First.....	6.83	9.60	6.05	46.03	93.81	92.90	53.97	6.19	7.10
Second.....	14.21	8.19	4.82	11.45	88.49	90.87	88.55	11.51	9.13
Third.....	11.17	5.82	4.82	25.24	87.93	89.86	74.76	12.07	10.14
Fourth.....	15.84	6.08	5.12	25.34	89.20	95.52	74.66	10.80	4.48
Fifth.....	5.10	6.15	5.89	38.30	92.89	93.22	61.70	7.11	6.78
Sixth.....	7.70	11.36	12.02	64.79	97.64	98.60	35.21	2.36	1.40
Seventh.....	8.13	12.79	14.69	49.33	96.63	99.11	50.67	3.37	0.89
Eighth.....	12.15	13.22	16.44	66.96	97.27	97.86	33.04	2.73	2.14
Ninth.....	7.27	11.19	12.77	83.58	98.83	99.19	16.42	1.17	0.81
Tenth.....	11.60	15.60	17.38	63.55	98.51	98.65	36.45	1.49	1.35
The State.....	100.00	100.00	100.00	44.14	95.24	97.03	55.86	4.76	2.97

Table 3 shows by districts, also for the State, the totals of mines, men and tons, for the years 1907 and 1908, with the increase or decrease of each item. The first, second, fourth, fifth and eighth districts show a decrease of thirty-four in the number of mines; the third, seventh and tenth districts give an increase of twenty-three, leaving a net decrease for the State of eleven mines. The fifth district alone accounts for fifty-three per cent of this decrease. The first, second and fifth districts report a decrease in the number of men, all the other districts give an increase. The total increase for the State being 4,127 men. The seventh and tenth districts represent seventy-seven per cent of this increase. The first, second, fifth and eighth districts show a decrease in output compared with last year. The fifth district represents 43.66 per cent of the decrease. The seventh, ninth and tenth districts show large increases in tonnage; however, the increase in output for the State is only three per cent over last year.

TABLE 3—*Mines, Men and Tons for the Years 1907 and 1908, with the Increase or Decrease by Districts.*

DISTRICT.	TOTAL—1907.			TOTAL—1908.			INCREASE (+) OR DECREASE (-) FOR YEAR 1908.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First.....	67	6,950	3,198,049	63	6,800	2,980,228	- 4	+ 150	- 217,821
Second. ....	139	5,837	2,647,250	131	5,802	2,373,935	- 8	- 35	- 273,315
Third.....	89	3,957	2,213,592	103	4,125	2,370,764	+14	+ 168	+ 157,172
Fourth.....	147	4,045	2,423,166	146	4,306	2,524,602	- 1	+ 261	+ 101,436
Fifth.....	65	4,671	3,317,053	47	4,357	2,902,369	-18	- 314	- 414,684
Sixth.....	71	7,729	5,777,759	71	8,044	5,923,197	.....	+ 315	+ 145,438
Seventh. ....	73	7,827	6,718,859	75	9,054	7,237,368	+ 2	+1,227	+ 518,509
Eighth. ....	115	9,343	8,145,200	112	9,362	8,101,263	- 3	+ 19	- 43,937
Ninth.....	67	7,234	5,582,245	67	7,928	6,293,601	.....	+ 694	+ 711,356
Tenth.....	100	9,121	7,775,448	107	11,063	8,565,125	+ 7	+1,942	+ 789,677
The State	933	66,714	47,798,621	922	70,841	49,272,452	-11	+4,127	+1,473,831

Table 4 gives the total output of coal by districts and for the State, for the past four years, with increase or decrease in tonnage each year since 1905; also the percentage of increase or decrease in tonnage this year compared with that of 1905. Five of the districts, the third, fourth, seventh, ninth and tenth, show a continuous increase in tonnage for the series of years; the seventh district shows an increase in output of 80.1 per cent this year over that of 1905, the tenth district, 70.5 per cent, and ninth district 53.4 per cent. The first and second are the only districts that show a decrease.

TABLE 4—Total Tons, all Mines, with Increase or Decrease in Tonnage, for Four Years, by Districts.

DISTRICT.	1908.		1907.		1906.		1905.		Percentage Of Increase (+) or Decrease (-) 1908 from 1905.
	Total Tons	Increase [(+) or Decrease (-) from 1907.	Total Tons.	Increase (+) or Decrease (-) from 1906.	Total Tons.	Increase (+) or Decrease (-) from 1905.	Total Tons.	Increase (+) or Decrease (-) from 1905.	
First.....	2,983,228	- 217,821	3,198,049	+ 261,719	2,936,330	- 216,083	3,152,413	- 5.5	
Second.....	2,373,935	- 273,315	2,647,250	+ 335,756	2,311,494	- 308,871	2,620,365	- 9.4	
Third.....	2,370,764	+ 157,172	2,213,592	+ 344,569	1,869,023	+ 8,695	1,860,328	+27.4	
Fourth.....	2,524,602	+ 101,436	2,423,166	+ 396,783	2,026,383	+ 121,379	1,905,004	+32.5	
Fifth.....	2,902,369	- 414,684	3,317,053	+1,034,035	2,283,018	- 537,535	2,820,553	+ 2.9	
Sixth.....	5,923,197	+ 145,438	5,777,759	+ 617,152	5,160,607	- 92,830	5,253,437	+12.8	
Seventh.....	7,237,368	+ 518,509	6,718,859	+1,840,767	4,878,092	+ 859,694	4,018,398	+80.1	
Eighth.....	8,101,263	- 43,937	8,145,200	+ 815,107	7,330,093	+ 814,340	6,515,753	+24.3	
Ninth.....	6,293,601	+ 711,356	5,582,245	+1,449,606	4,132,639	+ 119,659	4,102,980	+53.4	
Tenth.....	8,565,125	+ 789,677	7,775,448	+2,385,546	5,389,902	+ 365,759	5,024,143	+70.5	
The State	49,272,452	+1,473,831	47,798,621	+9,481,040	38,317,581	+1,134,107	37,183,374	+32.5	

## SHIPPING AND LOCAL MINES.

Table 5 presents the totals of mines, men and tons of all mines, with the division as to shipping and local mines, for a period of sixteen years. The number of men reported this year as working in and about the mines of the State is just twofold of the number sixteen years ago. The number of persons employed at the shipping mines has increased during the same time 135 per cent. The number reported at local mines has decreased nearly fifty per cent, while the tons produced by local mines has increased 111 per cent, and the output of shipping mines has increased 148 per cent.

TABLE 5—All Mines, Men and Tons and Shipping and Local Mines, for Sixteen Years.

YEAR.	TOTAL.			SHIPPING.			LOCAL.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
1893.....	788	35,390	19,949,564	310	28,737	19,257,682	478	6,653	691,882
1894.....	836	38,477	17,113,576	319	31,243	16,106,613	517	7,234	1,006,963
1895.....	874	38,630	17,735,864	319	31,174	16,578,890	555	7,456	1,156,974
1896.....	862	37,032	19,786,626	330	28,185	18,263,056	532	8,847	1,523,570
1897.....	853	33,788	20,072,758	310	31,322	19,386,573	543	2,466	686,185
1898.....	881	35,026	18,599,299	329	32,297	17,655,561	552	2,729	943,738
1899.....	889	36,991	23,434,445	323	34,307	22,531,356	566	2,684	903,089
1900.....	920	39,384	25,153,929	323	36,298	24,056,996	597	3,086	1,096,933
1901.....	915	44,143	26,635,319	331	40,926	25,526,816	584	3,217	1,108,503
1902.....	915	46,005	30,021,300	332	42,807	28,824,750	583	3,198	1,196,550
1903.....	933	49,814	34,955,400	353	46,494	33,676,537	580	3,320	1,278,863
1904.....	932	54,774	37,077,897	380	51,384	35,779,517	552	3,390	1,298,380
1905.....	990	59,230	37,183,374	397	55,743	35,956,543	593	3,487	1,226,831
1906.....	1,018	62,283	38,317,581	419	58,851	37,122,811	599	3,432	1,194,770
1907.....	933	66,714	47,798,621	411	63,154	46,436,839	522	3,560	1,361,782
1908.....	922	70,841	49,272,452	407	67,470	47,809,730	515	3,371	1,462,722
Increase.....	134	35,451	29,322,888	97	38,733	28,552,048	37	*3,282	770,840
Percentages of increase.....	17.00	100.17	146.98	31.29	134.78	148.26	7.74	*49.33	111.41

\*Decrease.

Table 6 shows for sixteen years the whole number of mines, men and tons, with the percentages of each, represented by the shipping and local mines. The percentages of all the items for this year vary but slightly, from that of last year, both for shipping and local mines.

TABLE 6—*Mines, Men and Tons, with Percentages of Shipping and Local Mines for Sixteen Years, 1893-1908.*

YEARS.	TOTALS—ALL MINES.			PERCENTAGES.					
				SHIPPING			LOCAL.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
1893.....	788	35,390	19,949,504	39.34	81.20	96.53	60.66	18.80	3.47
1894.....	826	38,477	17,113,576	33.16	81.20	94.10	61.84	18.80	5.90
1895.....	855	38,630	17,735,864	36.50	80.70	93.48	63.50	19.30	6.52
1896.....	862	37,032	19,786,626	36.62	76.11	96.26	63.38	23.89	3.74
1897.....	853	33,788	20,072,758	36.38	92.72	96.53	63.62	7.28	3.47
1898.....	881	35,026	18,599,299	37.49	92.30	94.93	62.51	7.70	5.07
1899.....	889	36,991	23,434,445	36.33	92.74	96.15	63.67	7.26	3.85
1900.....	920	39,384	25,153,929	35.11	92.16	95.64	64.89	7.84	4.36
1901.....	915	44,143	26,635,319	36.17	92.71	95.84	63.83	7.29	4.16
1902.....	915	46,005	30,021,300	36.28	93.05	96.01	63.72	6.95	3.99
1903.....	933	49,814	34,955,400	37.83	93.34	96.34	62.17	6.66	3.66
1904.....	932	54,774	37,077,897	40.77	93.81	96.50	59.23	6.19	3.50
1905.....	990	59,230	37,183,374	40.10	94.11	96.70	59.90	5.89	3.30
1906.....	1,018	62,283	33,317,581	41.16	94.49	96.88	58.84	5.51	3.12
1907.....	933	66,714	47,798,621	44.05	94.66	97.15	55.95	5.34	2.85
1908.....	922	70,841	49,272,452	44.14	95.24	97.09	55.86	4.76	2.91

#### GROUPING OF MINES BY OUTPUT.

Table 7 is a grouping of mines by output of coal ranging from mines producing less than 1,000 tons, to mines whose output is 200,000 tons and over.

Dividing this grouping into two classes; first, mines producing 50,000 tons and over; second, mines producing less than 50,000 tons. The first class is represented by 272 or thirty per cent of the mines and had an output of 44,504,789 or ninety per cent of the tonnage; with an average of 163,621 tons to each mine. The second class had 650 or seventy per cent of the mines with an output of 4,767,663 or ten per cent of the tonnage and an average of only 7,335 tons to each mine.

TABLE 7—Grouping of Mines by Tonnage and Districts, 1908.

DISTRICTS.	TONNAGE AND MINES PRODUCING—											
	UNDER 1,000		1,000 AND UNDER 10,000		10,000 AND UNDER 50,000		50,000 AND UNDER 100,000		100,000 AND UNDER 200,000		200,000 AND OVER	
	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.
First.....	13	5,542	22	71,893	6	199,889	9	619,628	9	1,246,420	4	836,856
Second.....	58	22,461	58	172,638	4	82,171	1	65,404	4	584,946	6	1,446,315
Third.....	35	11,923	35	120,692	21	444,908	4	317,994	5	688,407	3	786,840
Fourth.....	76	25,597	37	97,962	17	369,373	7	551,294	4	571,983	4	908,393
Fifth.....	4	920	19	64,574	11	252,678	3	192,246	5	731,564	5	1,660,387
Sixth.....	14	6,018	9	26,079	11	278,798	16	1,357,544	12	1,707,508	9	2,547,250
Seventh.....	20	10,404	18	53,781	4	167,167	7	520,005	13	2,039,355	13	4,446,656
Eighth.....	12	5,972	21	67,954	39	1,152,448	18	1,220,853	8	1,065,384	14	4,588,652
Ninth.....	3	1,245	7	16,279	20	610,243	13	831,782	14	2,082,096	10	2,751,956
Tenth.....	13	5,345	30	101,384	12	321,325	20	1,453,989	18	2,463,722	14	4,219,360
State.....	248	95,427	256	793,236	146	3,879,000	98	7,130,739	92	13,181,385	82	24,192,665

TABLE 8—Percentages of Mines, Men and Tons of Specified Classes by Districts, 1908.

DISTRICTS.	PERCENTAGES OF MINES, MEN, AND TONS—MINES PRODUCING—											
	LESS THAN 10,000 TONS.			10,000 TONS AND LESS THAN 50,000.			50,000 TONS AND LESS THAN 100,000.			100,000 TONS AND OVER.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First.....	55.56	5.37	2.60	9.52	8.25	6.71	14.28	23.79	20.79	20.64	62.59	69.90
Second.....	88.54	11.25	8.22	3.07	2.33	3.46	0.76	2.05	2.76	7.63	84.37	85.56
Third.....	67.96	8.89	5.59	20.39	18.47	18.78	3.91	11.58	13.41	7.74	61.69	62.22
Fourth.....	78.08	12.49	4.89	11.64	18.30	14.64	4.80	23.04	21.84	5.48	46.17	58.63
Fifth.....	48.94	3.95	2.26	23.40	10.50	8.71	6.35	7.12	6.62	21.28	78.43	82.41
Sixth.....	32.39	1.26	0.54	15.49	7.51	4.71	22.54	29.36	22.92	29.58	61.87	71.83
Seventh.....	50.67	3.37	0.89	5.33	3.53	2.31	9.33	10.40	7.18	34.67	82.70	89.62
Eighth.....	29.47	2.15	0.91	34.82	18.64	14.23	16.07	16.14	15.07	19.64	63.07	69.79
Ninth.....	14.92	0.59	0.28	29.85	13.42	9.68	19.40	15.40	13.23	35.83	70.59	76.81
Tenth.....	40.19	2.39	1.25	11.21	5.81	3.74	18.69	20.93	16.98	29.91	70.87	78.03
State.....	54.67	4.37	1.84	15.84	10.61	7.87	10.62	16.54	14.45	18.87	68.48	75.84
1907.....	55.96	5.16	1.96	15.54	11.26	8.17	9.75	14.91	13.80	18.75	68.67	76.07

Table 9 shows six classes of mines as to tonnage, giving the number of mines, men and tons in each class, with percentages. Compared with last year very little change is found from the proportions shown here.

TABLE 9—*Classification of Mines as to Tonnage, Showing Mines, Men and Tons, with Percentages, 1908.*

MINES PRODUCING—	Number of Mines.	Number of Men.	Tonnage.	PERCENTAGES OF		
				Mines.	Men.	Tons.
Less than 1,000 tons.....	248	823	95,427	26.90	1.04	0.11
1,000 and less than 10,000.....	256	2313	793,236	27.77	3.27	1.70
10,000 and less than 50,000.....	146	7,495	3,879,000	15.84	10.66	7.87
50,000 and less than 100,000.....	98	11,746	7,130,739	10.63	16.55	14.48
100,000 and less than 200,000.....	92	20,037	13,181,385	9.97	28.46	26.74
200,000 and over.....	82	28,427	24,192,665	8.89	40.02	49.10
Totals.....	922	70,841	49,272,452	100.00	100.00	100.00

Table 10 shows the grouping of mines by tonnage for twenty-six years. The number of mines producing 50,000 tons and more is increasing from year to year. This year shows 272 of this class of mines, against 266 last year and 223 for 1906.

TABLE 10—*Number of Mines in Specified Groups of Tonnage for a Series of Twenty-six Years.*

YEAR.	NUMBER OF MINES PRODUCING—						Total mines.
	Under 1,000 tons.	1,000 and under 10,000 tons.	10,000 and under 50,000 tons.	50,000 and under 100,000 tons.	100,000 and under 200,000 tons.	200,000 tons and over.	
1883.....	209	233	133	39	10	15	639
1884.....	262	273	148	38	16	4	741
1885.....	286	290	143	40	13	6	778
1886.....	316	280	135	44	11	3	789
1887.....	320	278	141	42	18	2	801
1888.....	327	272	151	47	20	5	822
1889.....	321	316	139	55	20	3	854
1890.....	398	301	155	54	24	4	936
1891.....	402	260	161	52	37	6	918
1892.....	332	239	151	65	46	6	839
1893.....	282	232	140	75	47	12	788
1894.....	312	252	161	61	44	6	836
1895.....	319	276	145	61	45	9	855
1896.....	330	280	128	63	45	16	862
1897.....	346	250	120	79	41	17	853
1898.....	351	244	151	86	42	7	881
1899.....	346	261	123	77	57	25	889
1900.....	340	295	123	70	65	27	920
1901.....	313	308	124	79	58	33	915
1902.....	314	263	152	76	72	38	915
1903.....	313	293	120	75	87	45	933
1904.....	301	275	140	72	98	46	932
1905.....	321	299	147	83	88	52	990
1906.....	336	282	167	89	97	47	1,018
1907.....	260	262	145	91	95	80	933
1908.....	248	256	146	98	92	82	922
Increase in 26 years.....	39	23	13	59	82	67	283



Table 11 gives the percentages of the different classes of mines for the whole number shown in table 10. The number of mines producing less than 50,000 tons, during the year shown, has only increased thirteen per cent while the number of mines producing over 50,000 tons has increased 309.4 per cent. This year 70.5 per cent of the mines produced less than 50,000 tons, and 29.5 per cent had an output of over 50,000 tons.

TABLE 11—*Percentages of Mines in Specified Grouping of Tonnage for a Series of Twenty-six Years.*

YEAR.	Total mines.	PERCENTAGES OF MINES PRODUCING—					
		Under 1,000 tons.	1,000 and under 10,000 tons.	10,000 and under 50,000 tons.	50,000 and under 100,000 tons.	100,000 and under 200,000 tons.	200,000 tons and over.
1883.....	639	32.71	36.47	20.81	6.10	1.56	2.35
1884.....	741	35.36	36.84	19.97	5.13	2.16	.54
1885.....	778	36.76	37.27	18.38	5.14	2.32	.13
1886.....	789	40.05	35.49	17.11	5.58	1.39	.38
1887.....	801	39.95	34.71	17.60	5.24	2.25	.25
1888.....	822	39.79	33.09	18.37	5.71	2.43	.61
1889.....	854	37.59	37.00	16.28	6.44	2.34	.35
1890.....	936	42.52	32.16	16.56	5.77	2.56	.43
1891.....	918	43.79	28.32	17.54	5.67	4.03	.65
1892.....	839	39.69	29.44	17.76	7.03	4.89	1.19
1893.....	788	35.91	29.44	16.24	10.92	5.71	1.78
1894.....	836	37.08	29.07	19.62	8.25	5.26	.72
1895.....	855	36.43	33.29	16.65	7.33	5.25	1.05
1896.....	862	38.90	30.66	14.88	8.35	5.61	1.60
1897.....	853	40.56	29.31	14.07	9.26	4.81	1.99
1898.....	881	39.84	27.70	17.14	9.76	4.77	.79
1899.....	889	38.92	29.36	13.84	8.66	6.41	2.81
1900.....	920	36.96	32.07	13.37	7.61	7.06	2.93
1901.....	915	34.21	33.66	13.55	8.63	6.34	3.61
1902.....	915	34.32	28.74	16.61	8.31	7.87	4.15
1903.....	933	33.55	31.40	12.86	8.04	9.33	4.82
1904.....	932	32.30	29.50	15.02	7.73	10.51	4.94
1905.....	990	32.43	30.20	14.85	8.38	8.89	5.25
1906.....	1,018	33.01	27.70	16.40	8.74	9.53	4.62
1907.....	933	27.82	28.08	15.56	9.76	10.20	8.58
1908.....	922	26.90	27.77	15.84	10.63	9.97	8.89
Percentage of increase in 26 yrs.	44.3	18.7	9.9	10.0	151.3	320.0	446.7

Table 12 gives the tonnage of the same classification of mines for a series of seventeen years, with the increase or decrease of each.

TABLE 12—*Grouping of Mines by Tonnage for a Series of Seventeen Years.*

YEAR.	TONNAGE OF MINES PRODUCING—					
	UNDER 1,000 tons.	1,000 AND UNDER 10,000	10,000 AND UNDER 50,000	50,000 AND UNDER 100,000	100,000 AND UNDER 200,000	200,000 AND OVER.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
1892.....	147,777	1,058,078	4,134,259	4,293,472	5,855,091	2,373,599
1893.....	121,636	726,199	3,132,499	6,179,487	6,291,965	3,497,778
1894.....	137,507	702,623	4,022,545	4,742,257	6,035,094	1,473,550
1895.....	151,430	866,019	3,609,918	4,416,969	6,346,937	2,344,591
1896.....	141,690	807,148	3,265,822	5,049,694	6,557,545	3,962,435
1897.....	150,445	773,526	3,162,713	5,693,193	5,778,374	4,514,507
1898.....	161,622	692,149	3,785,962	6,351,513	5,898,596	1,709,457
1899.....	137,582	790,948	2,877,117	5,618,924	7,443,023	6,566,851
1900.....	154,318	969,424	3,255,570	5,009,326	8,995,963	6,769,328
1901.....	227,419	838,989	3,393,827	5,795,953	8,008,897	8,370,234
1902.....	161,058	763,597	3,694,890	5,376,350	9,923,538	10,101,867
1903.....	126,678	871,342	3,396,343	5,445,195	12,387,437	12,728,405
1904.....	126,397	934,042	3,602,660	5,200,551	13,763,975	13,480,272
1905.....	129,430	993,394	3,852,565	5,868,103	12,158,090	14,181,792
1906.....	127,232	949,073	5,097,972	6,116,018	13,462,256	12,565,030
1907.....	108,875	827,337	3,907,170	6,600,264	13,376,164	22,978,809
1908.....	95,427	793,236	3,879,000	7,130,739	13,181,385	24,192,665
Increase (+) or decrease (-) in 17 years...	-52,350	-264,842	-255,259	+2,837,267	+7,326,294	+21,819,066

Table 13 gives in the first column, the total number of tons of coal produced for each of the seventeen years, with the percentages of tons found in each of the six classes of mines. The two classes of mines producing 100,000 tons and more, account this year, for seventy-six per cent of the total output. The same proportion is shown for last year.

TABLE 13—*Percentages of Tons Produced by Specified Grouping of Tonnage for Seventeen Years.*

YEARS.	Total tons	PERCENTAGE OF TONS PRODUCED BY MINES PRODUCING—					
		Under 1,000 tons.	1,000 and under 10,000 tons.	10,000 and under 50,000 tons.	50,000 and under 100,000 tons.	100,000 and under 200,000 tons.	200,000 tons and over.
1892.....	17,862,276	.82	5.92	23.15	24.04	32.78	13.29
1893.....	19,949,564	.61	3.64	15.70	30.98	31.54	17.53
1894.....	17,113,576	.80	4.11	23.50	27.71	35.26	8.61
1895.....	17,735,864	.85	4.88	20.35	24.91	35.79	13.22
1896.....	19,786,626	.72	4.08	16.51	25.52	33.14	20.03
1897.....	20,072,758	.75	3.85	15.75	28.37	28.79	22.49
1898.....	18,599,299	.87	3.72	20.36	34.15	31.71	9.19
1899.....	23,434,445	.59	3.98	12.28	23.97	31.76	28.02
1900.....	25,153,929	.61	3.86	12.94	19.92	35.76	26.91
1901.....	26,635,319	.85	3.15	12.74	21.76	30.07	31.43
1902.....	30,021,300	.54	2.54	12.31	17.90	33.06	33.65
1903.....	34,955,400	.36	2.49	9.72	15.58	35.44	36.41
1904.....	37,077,897	.34	2.52	9.72	14.03	37.09	36.30
1905.....	37,183,374	.35	2.67	10.36	15.78	32.70	38.14
1906.....	38,317,581	.33	2.48	13.31	15.96	35.13	32.79
1907.....	47,798,621	0.23	1.73	8.17	13.81	27.98	48.08
1908.....	49,272,452	0.11	1.70	7.87	14.48	26.75	49.10
Percentage of increase(+) or decrease (-) in 17 years.....	+175.85	-35.42	-25.03	-6.17	+66.08	+142.21	+919.22

## MINES OF LARGEST OUTPUT. . .

Table 14 gives a list of ninety-two operators and the location of the mines, with the output of each, for the year, being 100,000 tons and less than 200,000. The total product of these mines was 13,181,385 tons, giving an average to each of 143,276 tons.

TABLE 14—*Mines from which more than 100,000 Tons of Coal and less than 200,000 Tons have been Delivered during the Year 1908.*

Rank.	Companies.	Location.	Tons.
1	Consolidated Coal Co., No 8.....	Mt Olive.....	199,222
2	Latham Coal Co.....	Lincoln.....	199,020
3	Pana Coal Co., No 1.....	Pana.....	197,281
4	Muddy Valley Mining & Mfg. Co., No. 1.....	Hallidayboro.....	194,943
5	LaSalle County Carbon Coal Co., No. 1.....	LaSalle.....	194,122
6	O'Gara Coal Co., No. 4.....	Harrisburg.....	193,664
7	Pana Coal Co., No 1.....	Pana.....	193,628
8	St. Louis-Carterville Coal Co.....	Herrin.....	192,710
9	Breese-Trenton Mining Co., Buxton.....	Beckemeyer.....	191,494
10	Odin Coal Co., No. 1.....	Odin.....	190,642
11	Clark Coal & Coke Co., Empire No. 1.....	Peoria.....	189,215
12	Capitol Coal Co., Capitol.....	Springfield.....	185,475
13	Kelley Coal Co., No. 45.....	Westville.....	184,404
14	Madison Coal Corporation, No. 5.....	Mt. Olive.....	183,056
15	Kelley Coal Co., No. 42.....	Westville.....	180,965
16	Centralia Coal Co., No. 3.....	Centralia.....	180,471
17	Spring Valley Coal Co., No. 2.....	Spring Valley.....	179,229
18	Canton Coal Co., Drakes.....	Canton.....	177,812
19	Co-operative Coal & Mining Co., No. 1.....	Breese.....	176,805
20	Clark Coal & Coke Co., Empire No. 2.....	Peoria.....	176,697
21	United Coal Co., No. 1.....	Christopher.....	175,113
22	Kortkamp Coal Co., No. 1.....	Hillsboro.....	173,458
23	Willis Coal & Mining Co., No. 1.....	Willisville.....	166,070
24	Vivian Collieries Co., Green Ridge.....	Green Ridge.....	164,897
25	DeCamp Coal Mining Co.....	Staunton.....	164,758
26	Burnwell Coal Co., No. 2.....	Witt.....	163,906
27	O'Gara Coal Co., No. 10.....	Eldorado.....	161,783
28	O'Gara Coal Co., No. 7.....	Carrier Mills.....	161,698
29	Sangamon Coal Co., No. 2.....	Springfield.....	161,334
30	Chicago, Wilmington & Vermillion Coal Co., No. 2.....	Streator.....	159,552
31	Chicago-Springfield Coal Co.....	Springfield.....	159,450

Table 14—Continued.

Rank.	Companies.	Location	Tons.
32	Zeigler District Collieries Co., No. 1.....	Christopher.....	156,510
33	Superior Coal & Mining Co.....	Belleville.....	153,797
34	Duquoin Operating Co., Queen.....	Clinch.....	151,426
35	Kelley Coal Co., No. 46.....	Himrod.....	148,833
36	Maplewood Coal Co., No. 1.....	Farmington.....	148,434
37	Empire Coal Co., No. 3.....	Gilchrist.....	147,403
38	O'Gara Coal Co., No. 14.....	Ledford.....	147,323
39	Big Four Wilmington Coal Co., No. 6.....	Carbon Hill.....	146,051
40	LaSalle County Carbon Coal Co., Union.....	LaSalle.....	145,809
41	Springfield Coal Mining Co., No. 4.....	Springfield.....	144,880
42	Stonington Coal Co., No. 1.....	Stonington.....	142,894
43	Tuxhorn Coal Co., Tuxhorn.....	Springfield.....	142,666
44	Smith Lohr Coal Co., No. 1.....	Pana.....	142,283
45	Acme Coal Co., Acme.....	Streator.....	141,861
46	Saline County Coal Co., No. 1.....	Harrisburg.....	140,966
47	Springfield Coal Mining Co., No. 1.....	Riverton.....	140,621
48	Norris Coal Mining Co., Norris.....	Norris.....	137,544
49	Peabody Coal Co., No. 2.....	Marion.....	137,230
50	Joseph Taylor Coal Co., Taylor.....	O'Fallon.....	135,300
51	Spring Valley Coal Mining Co., No. 3.....	Spring Valley.....	134,507
52	Bessemer Washed Coal Co., White Walnut.....	Pinckneyville.....	133,325
53	Cora Coal Co., Cora.....	Springfield.....	132,950
54	Consolidated Coal Co., No. 10.....	Mt. Olive.....	132,116
55	Kerns-Donnewald Coal Co.....	Worden.....	131,988
56	Joseph Taylor Coal Co., St. Ellans.....	O'Fallon.....	131,500
57	Trenton Mining Co., No. 1.....	Trenton.....	127,369
58	Penwell Coal Mining Co., Penwell.....	Pana.....	126,808
59	Mattheson & Hagler Zinc Co., M. & H.....	LaSalle.....	125,912
60	O'Gara Coal Co., No. 8.....	Eldorado.....	125,678
61	Southern Coal & Mining Co., No. 7.....	Belleville.....	124,410
62	O'Gara Coal Co., No. 12.....	Harrisburg.....	124,055
63	Marquette Third Vein Coal Co., No. 1.....	Marquette.....	123,807
64	Big Four-Wilmington Coal Co., No. 5.....	Carbon Hill.....	120,018
65	O'Gara Coal Co., No. 2.....	Harrisburg.....	119,616
66	Citizens Coal Mining Co., No. 1.....	Lincoln.....	119,240
67	Joseph Taylor Coal Co., Ridge Prairie.....	O'Fallon.....	118,700
68	B. F. Berry Coal Co., No. 1.....	Granville.....	117,916
69	W. P. Rend Collieries Co., No. 1.....	Benton.....	113,831

Table 14—Concluded.

Rank.	Companies.	Location.	Tons.
70	O'Gara Coal Co., No. 5.....	Ledford.....	112,821
71	Wasson Coal Co., No. 1.....	Harrisburg.....	112,290
72	Franklin County Collieries Co., No. 1.....	Sesser.....	111,532
73	Carterville & Big Muddy Coal Co., John.....	Cambria.....	111,347
74	Illinois Collieries Co., No. 5.....	Girard.....	110,898
75	Springfield Coal Mining Co., No. 3.....	Springfield.....	110,480
76	Williamson County Coal Co.....	Johnston City.....	109,959
77	Big Muddy Coal & Iron Co., Harrison.....	Murphysboro.....	109,176
78	Consolidated Coal Co., No. 7.....	Staunton.....	108,908
79	Springfield Cooperative Co., New North.....	Springfield.....	108,800
80	Manufacturers & Consumers Coal Co., No. 7.....	Decatur.....	108,694
81	E. S. Gray Coal Co., No. 4.....	Oakwood.....	108,668
82	Big Creek Coal Co., No. 3.....	Cuba.....	108,193
83	Hafer Washed Coal Co., No. 3.....	Carterville.....	107,298
84	Moffat Coal Co., No. 1.....	Sparta.....	106,570
85	Wilmington Star Mining Co., No. 6.....	Coal City.....	106,247
86	LaSalle County Carbon Coal Co., LaSalle.....	LaSalle.....	106,848
87	Lumaghi Coal Co., No. 3.....	Collinsville.....	104,931
88	Wenona Coal Co., No. 1.....	Wenona.....	104,176
89	Barclay Coal Mining Co., Barclay.....	Springfield.....	102,592
90	Consumers Coal & Mining Co., No. 2.....	Johnston City.....	101,165
91	Missouri & Illinois Coal Co., No. 1.....	Willisville.....	100,929
92	Roanoke Coal Co., No. 1.....	Pekin.....	100,403
	Total tons.....		13,181,885

Table 15 is a list of eighty-two operators, and the location of their mines; each of which had an output of more than 200,000 tons. In addition, the number of days of active operation is given; the depth of the coal below the surface, the thickness of the several seams, and the manner of mining the coal.

The total output of these mines for the year was 24,192,665 tons, or 49.1 per cent of the total output of the State. The average to each mine is 295,033 tons. In this list there are three classes of mines, working under different methods, viz., machine mining exclusively, hand mining exclusively, and both hand and machine mining. There are twenty-six machine mines producing an average of 359,312 tons, or 38.6 per cent of the total; forty-eight hand mines producing an average of 259,469 tons or 51.5 per cent, and eight mines, both hand and machine, with an average of 299,381 tons, or 9.9 per cent. These mines averaged 213 days,

which gives an average daily output to each mine of 1,362 tons. Five of the mines in this list produced over 500,000 tons, seven over 400,000 and sixteen over 300,000.

TABLE 15—*Mines from which more than 200,000 Tons of Coal have been Delivered during the Year 1908.*

Rank.	Companies.	Location.	Days in operation.	Depth of mine .	Thickness of seam ft. and ins.	How worked hand, machine.	Tons.
1	Superior Coal Co., No. 1.....	Gillespie.....	217	348	8	M	566,670
2	Superior Coal Co., No. 2.....	Sawyer ville.....	202	324	8	M	554,923
3	New Staunton Coal Co.....	Livingston.....	208	287	6.6	M	530,159
4	Zeigler Coal Co., No. 1.....	Zeigler.....	272	417	12	M	522,722
5	Superior Coal Co., No. 3.....	Gillespie.....	228	350	8	M	509,927
6	Consolidated Coal Co., No. 17.....	Collinsville.....	209	218	6	M	440,666
7	Donk Bros. Coal & Coke Co., No. 1.....	Donkville.....	244	135	7	M	440,613
8	Kelley Coal Co., No. 44.....	Westville.....	235	90	7	H	430,626
9	Mt. Olive & Staunton Coal Co., No. 2.....	Williamson.....	117	300	7	M	417,528
10	Big Muddy Coal & Iron Co., No. 8.....	Clifford.....	243	180	9	M	413,709
11	Big Muddy Coal & Iron Co., No. 7.....	Herrin.....	230	140	9	H	412,495
12	Chicago & Carterville Coal Co., "A".....	do.....	233	180	9	H-M	409,147
13	Sunny Side Coal Co., No. 1.....	do.....	219	145	9	H-M	397,525
14	Dering Coal Co., No. 2.....	Westville.....	260	215	7	H	380,187
15	St. Louis & O'Fallon Coal Co., No. 2.....	Belleville.....	195	197	6	M	378,409
16	Chicago, Wil. & Ver. Coal Co., No. 1.....	Thayer.....	182	292	7.11	M	368,548
17	Consolidated Coal Co., No. 14.....	Staunton.....	218	325	7	M	365,927
18	Peabody Coal Co., No. 3.....	Marion.....	219	102	9	H-M	352,475
19	Donk Bros. Coal & Coke Co., No. 2.....	Maryville.....	189	245	7	M	351,995
20	Royal Coal Co., No. 1.....	Vir den.....	186	350	6.6	H	337,680
21	Madison Coal Corporation, No. 6.....	Divernon.....	179	318	8	M	335,789
22	Southern Coal & Mining Co., No. 9.....	New Baden.....	210	324	7	M	333,912
23	Little Vermillion Coal Co., No. 7.....	Georgetown.....	242	180	7	H-M	330,342
24	Johnston City Coal Co., No. 1.....	Johnston City.....	240	208	9	H	326,829
25	Mt. Olive & Staunton Coal Co., No. 1.....	Staunton.....	200	292	7	M	325,254
26	Consolidated Coal Co., No. 15.....	Mt. Olive.....	184	362	8	M	320,066
27	Dering Coal Co., No. 3.....	Westville.....	255	187	7	H	317,289
28	Illinois Midland Coal Co., Sherman.....	Sherman.....	218	201	6	H	302,305
29	Illinois Midland Coal Co., Victor.....	Pawnee.....	188	325	7.6	H	296,527
30	St. Paul Coal Co., No. 2.....	Cherry.....	252	317	5	H	295,182
31	Shoal Creek Coal Co., No. 7.....	Panama.....	212	8	H	293,127	
32	Centralia Coal Co., No. 2.....	Centralia.....	239	576	6	H	288,753
33	St. Paul Coal Co., No. 1.....	Granville.....	500	253	4	H	285,220

Table 15—Continued.

Rank.	Companies.	Location.	Days in operation.	Depth of mine.	Thickness of seam ft. and ins.	How worked hand, machine.	Tons.
34	Devlin Coal Co., No. 1.....	Toluca.....	246	512	2.9	H	284,839
35	St. Louis & O'Fallon Coal Co., No. 1.....	Belleville.....	147	100	6	H	278,817
36	O'Gara Coal Co., No. 9.....	Harrisburg.....	223	400	6	M	277,409
37	Springfield Coal Co., No. 6.....	Taylorville.....	214	460	8	H	274,337
38	Woodside Coal Co., Woodside.....	Springfield.....	257	250	5.9	H	267,276
39	Spring Valley Coal Co., No. 1.....	Spring Valley.....	204	339	3.6	H	265,972
40	Hillsboro Coal Co., Hillsboro.....	Hillsboro.....	240	440	7	M	264,499
41	Springfield Coal Mining Co., No. 5.....	Springfield.....	214	250	5.9	H	264,115
42	Prairie Coal Co.....	Belleville.....	220	200	7	H	261,970
43	Maplewood Coal Co., No. 2.....	Farmington.....	220	140	4.4	H	261,478
44	Burnwell Coal Co., No. 1.....	Witt.....	190	500	8	H	258,527
45	Springfield Coal Co.....	Springfield.....	249	280	5.9	H	257,174
46	Christian County Coal Co., No. 1.....	Taylorville.....	162	462	8	H	256,882
47	Black Diamond Coal Co., B. D.....	Auburn.....	237	270	7.6	H	253,621
48	Lumaghi Coal Co., No. 2.....	Collinsville.....	152	170	7	M	253,341
49	Centralia Coal Co., No. 4.....	Centralia.....	239	635	6	H	252,659
50	Dering Coal Co., No. 11.....	W. Frankfort.....	239	500	9	H-M	251,400
51	Chicago-Big Muddy Coal Co.....	Marion.....	208	81	9	H	250,858
52	Carterville Dist. Coal Co.....	Marion.....	215	94	9	M	250,500
53	Majestic Coal Co., No. 1.....	Clinch.....	168	400	9	H	245,513
54	O'Gara Coal Co., No. 3.....	Harrisburg.....	237	200	6	H-M	243,233
55	Donk Bros. Coal & Coke Co., No. 3.....	Troy.....	192	280	5	H	241,274
56	Western Coal & Mining Co.....	Bush.....	237	185	9	H	238,619
57	Breese-Trenton Mining Co., No. 1.....	Breese.....	243	400	6	H	238,246
58	Consolidated Coal Co., No. 6.....	Staunton.....	231	322	7.6	M	235,218
59	Southern Coal & Mining Co., No. 8.....	Belleville.....	223	200	7	M	233,736
60	Illinois 3rd Vein Coal Co., No. 1.....	Ladd.....	231	468	3.6	H	229,816
61	Madison Coal Corporation, No. 4.....	Glen Carbon.....	181	130	7	M	225,492
62	Big Creek Coal Co., No. 2.....	St. David.....	225	45	5	H	221,521
63	Spring Valley Coal Co., No. 4.....	Spring Valley.....	186	393	3.6	H	221,490
64	Big Creek Coal Co., No. 4.....	Dunfermline.....	230	90	5	H	218,647
65	Coal Valley Mining Co., No. 2.....	Sherrard.....	251	212	3.6	H	217,280
66	Carterville Coal Co., "C".....	Carterville.....	178	90	9	H	217,134
67	Cardiff Coal Co.....	Cardiff.....	214	255	3	H	216,781
68	Willis Coal & Mining Co., No. 6.....	Percy.....	236	70	6	M	216,701
69	Spring Valley Coal Co., No. 5.....	Spring Valley.....	184	421	3.6	H	216,575
70	Chicago, Wil. & Ver. Coal Co., No. 2.....	S. Wilmington.....	240	195	3.3	H	216,016



Table 15—Concluded.

Rank.	Companies.	Location.	Days in operation.	Depth of mine.	Thickness of seam, ft. and ins.	How worked hand, machine.	Tons.
71	O'Gara Coal Co., No. 1.....	Harrisburg.....	209	122	7	H	215,601
72	Madison Coal Corporation, No. 8.....	Dewmain.....	144	90	9	H	213,826
73	Braceville Coal Co., No. 6.....	Braceville.....	254	112	3.3	H	209,742
74	Madison Coal Corporation, No. 2.....	Glen Carbon.....	178	110	6.6	M	209,388
75	Illinois Collieries Co., No. 1.....	Virden.....	123	320	7.6	H-M	208,873
76	Chicago, Wil. & Ver. Coal Co., No. 1.....	S. Wilmington...	232	169	3.3	H	208,317
77	Monmouth Coal Co., No. 1.....	Brereton.....	212	90	4.6	H	206,747
78	Oglesby Coal Co., No. 1.....	Oglesby.....	256	464	3 6	H	202,781
79	Benton Coal Co., No. 1.....	Benton.....	191	630	9	H-M	202,050
80	Dering Coal Co., No. 4.....	Westville.....	218	204	5.6	H	201,943
81	Springfield Coal Mining Co., No. 2.....	Riverton.....	167	232	5.9	H	201,885
82	Paradise Coal & Coke Co., No. 1.....	Duquoin.....	175	374	9	H	200,000
	Total tons.....						24,192,665

Table 16 gives the number of mines and tonnage of the large mines of the State, divided into three classes, with the total number of mines and tons of these classes, for a series of thirteen years.

Considering the totals of the three classes for the years shown the number of mines increased 148 or 119.4 per cent, the tons produced increased 28,935,150 or 185.8 per cent. In 1896, the first year shown in the table, these mines represented 14.4 per cent of all mines in the State, but produced 78.6 per cent of the coal. This year these mines stand for 28.5 per cent of all mines, and produced 90.3 per cent of the total output.

TABLE 16—*Mines and Output Producing 50,000 Tons and less than 100,000—100,000 Tons and less than 200,000, and 200,000 Tons and more, with total Mines and Tons, for 13 Years.*

YEAR.	MINES PRODUCING—						TOTALS.	
	50,000 tons and less than 100,000.		100,000 tons and less than 200,000.		More than 200,000.		No. of mines.	Total Tons.
	No. of mines.	Tons.	No. of mines.	Tons.	No. of mines.	Tons.		
1896.....	63	5,049,694	45	6,557,545	16	3,962,435	124	15,569,674
1897.....	79	5,693,193	41	5,778,374	17	4,514,507	137	15,986,074
1893.....	86	6,351,513	42	5,898,596	7	1,709,457	135	13,959,566
1899.....	77	5,618,924	57	7,443,023	25	6,566,851	159	19,623,798
1900.....	70	5,009,326	65	8,995,963	27	6,769,328	162	20,774,617
1901.....	79	5,795,953	58	8,003,897	33	8,370,234	170	22,175,084
1902.....	76	5,376,350	72	9,923,538	38	10,101,867	186	25,401,755
1903.....	75	5,445,195	87	12,387,437	45	12,728,405	207	30,561,037
1904.....	72	5,200,551	98	13,763,975	46	13,460,272	216	32,424,798
1905.....	83	5,868,103	88	12,158,090	52	14,181,792	223	32,207,985
1906.....	89	6,116,018	97	13,462,256	47	12,565,030	233	32,143,304
1907.....	91	6,600,264	95	13,376,164	80	22,978,809	266	42,955,237
1903.....	98	7,130,739	92	13,181,385	82	24,192,665	272	44,504,789

## NUMBER OF MINES.

Table 16 shows the number of mines reported by districts for the year, the number of new mines opened and the number closed, also the gain or loss. The third, seventh and tenth districts, show a total gain of twenty-three mines. Five of the other districts report a loss of thirty-four mines, leaving a net loss of eleven mines. The sixth and ninth districts show an equal number of new and abandoned mines.

TABLE 17—*Gain and Loss in Number of Mines, 1907-1908.*

DISTRICTS.	Total number of mines, 1907.	Number new mines opened, 1908.	Total.	Number of mines abandoned, 1908.	Total number of mines, 1908.	YEAR 1908.	
						Gain.	Loss.
First.....	67	6	73	10	63	.....	4
Second.....	139	18	157	26	131	.....	8
Third.....	89	22	111	8	103	14	.....
Fourth.....	147	13	160	14	146	.....	1
Fifth.....	65	3	68	21	47	.....	18
Sixth.....	71	3	74	3	71	.....	.....
Seventh.....	73	6	79	4	75	2	.....
Eighth.....	115	4	119	7	112	.....	3
Ninth.....	67	5	72	5	67	.....	.....
Tenth.....	100	17	117	10	107	7	.....
The State.....	933	97	1,030	108	922	23	34

Table 18 gives the record of new and abandoned mines for a series of nineteen years, showing a net gain of sixty-eight mines during that period.

TABLE 18—*Total Number of Mines, the Number Opened and Closed; also the Gain and Loss for Nineteen Years.*

YEAR.	NUMBER OF MINES.					
	At beginning of year.	Opened or renewed.	Closed or suspended.	Gain.	Loss.	At close of year.
1890.....	854	176	94	82		936
1891.....	936	92	110		18	918
1892.....	918	59	138		79	839
1893.....	839	69	120		51	788
1894.....	788	156	108	48		836
1895.....	836	116	78	38		874
1896.....	874	142	115	27		901
1897.....	901	70	118		48	853
1898.....	853	120	92	28		881
1899.....	881	129	121	8		889
1900.....	889	147	116	31		920
1901.....	920	138	143		5	915
1902.....	915	111	111			915
1903.....	915	109	91	18		933
1904.....	933	109	110		1	932
1905.....	932	168	110	58		990
1906.....	990	151	123	28		1,018
1907.....	1,018	88	173	10	95	933
1908.....	933	97	108	23	34	922
Totals.....		2,247	2,179	399	331	

## SHIPPING MINES.

Table 19 shows the record of the opening and closing of shipping mines for a series of eighteen years. There were sixteen of this class of mines opened or renewed during this year, and twenty closed or suspended, leaving a net loss of four mines. There has been a net gain of ninety-nine in the number of these mines during the period of years shown.

TABLE 19—*Shipping Mines—Number Opened and Closed; also the Gain and Loss for Eighteen Years.*

YEAR.	NUMBER OF MINES.					
	At beginning of year.	Opened or renewed.	Closed or suspended.	Gain.	Loss.	At close of year.
1891.....	308					308
1892.....	308		9		9	299
1893.....	299	2		2		301
1894.....	301	18		18		319
1895.....	319					319
1896.....	319	3		3		322
1897.....	322		12		12	310
1898.....	310	19		19		329
1899.....	329		8		8	321
1900.....	321	2		2		323
1901.....	323	8		8		331
1902.....	331	1		1		332
1903.....	332	21		21		353
1904.....	353	27		27		380
1905.....	380	17		17		397
1906.....	397	22		22		419
1907.....	419		8		8	411
1908.....	411	16	20		4	407
Totals.....		156	57	140	41	

Table 20 gives by districts, the number of shipping mines in the State for thirteen years, with the gain or loss by years, and by districts; also the gain and loss by districts this year compared with 1907. For the years shown in the table, six districts show a gain of ninety-nine mines, while four districts give a loss of twenty-two mines, leaving the net gain of seventy-seven mines. For this year, the fourth, seventh and tenth districts show a total gain of eleven mines, while five of the districts give a loss of fifteen of this class of mines, giving a net loss of four mines.

TABLE 20—*Number of Shipping Mines, by Districts, with Gain or Loss for Thirteen Years.*

YEAR.	DISTRICTS.										Total.	Gain.	Loss.
	First.	Second.	Third.	Fourth.	Fifth.	Sixth.	Seventh.	Eighth.	Ninth.	Tenth.			
1896.....	31	19	37	31	23	39	25	65	41	19	330	.....	.....
1897.....	28	17	36	24	22	34	25	63	40	21	310	.....	20
1898.....	32	18	37	26	25	33	27	62	43	26	329	19	.....
1899.....	30	17	35	30	21	34	26	60	43	26	322	.....	7
1900.....	35	16	38	29	19	36	24	61	39	26	323	1	.....
1901.....	32	22	33	29	18	35	25	66	39	29	331	8	.....
1902.....	28	21	32	28	21	39	25	69	39	30	332	1	.....
1903.....	28	20	31	26	28	40	27	71	45	37	353	21	.....
1904.....	35	23	31	32	27	43	32	72	44	41	380	27	.....
1905.....	35	23	31	30	27	46	32	78	51	44	397	17	.....
1906.....	34	22	29	33	26	49	36	78	52	60	419	22	.....
1907.....	30	16	31	33	22	46	36	78	57	62	411	.....	8
1908.....	29	15	26	37	18	46	37	75	56	68	407	.....	4
Gain 13 years.....	.....	.....	.....	6	.....	7	12	10	15	49	99	116	39
Loss 13 years.....	2	4	11	.....	5	.....	.....	.....	.....	.....	22	.....	.....
Net gain 13 years.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	77	.....	.....
Gain over 1907.....	.....	.....	.....	4	.....	.....	1	.....	.....	6	411	11	.....
Loss from 1907.....	1	1	5	.....	4	.....	.....	3	1	.....	407	.....	15
Net loss.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	.....	.....

Table 21 gives the record of the number of mines, men and tons for shipping mines by counties and by districts, for the year 1907 and 1908, with the gain or loss for each of the items shown.

For the State there was a loss of four in the number of this class of mines; however, there was a gain of 4,316 in the number of men employed, also a gain of 1,372,891 in the number of tons produced.

TABLE 21—*Shipping Mines—Number of Mines, Men and Tons by Counties and Districts, with the Gain or Loss, for the Years 1907 and 1908.*

DISTRICTS AND COUNTIES.	1907			1908			GAIN (+) OR LOSS (-) 1908		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
The State.....	411	63,154	46,436,839	407	67,470	47,809,730	-4	+4,316	+1,372,891
First.....	30	6,510	2,979,910	29	6,379	2,768,645	-1	-131	-211,165
Grundy.....	10	2,618	1,296,177	9	2,438	1,146,924	-1	-180	-149,253
Kankakee.....	1	85	37,828	1	52	17,801	.....	-33	-20,027
LaSalle.....	16	3,331	1,463,995	16	3,435	1,447,406	.....	+104	-16,589
Will.....	3	476	181,910	3	454	156,514	.....	-22	-25,396
Second.....	16	5,154	2,415,920	15	5,134	2,157,151	-1	-20	-258,769
Bureau.....	8	4,237	1,868,148	8	4,359	1,666,578	.....	+122	-201,570
Henry.....	3	194	101,041	3	168	81,959	.....	-26	-19,082
Mercer.....	4	701	433,144	3	585	394,353	-1	-116	-38,791
Rock Island...	1	22	13,587	1	22	14,261	.....	.....	+674
Third.....	31	3,496	2,043,203	26	3,627	2,130,461	-5	+131	+87,258
Livingston.....	3	484	237,353	2	354	239,335	-1	-130	+1,982
Marshall.....	4	919	464,919	3	907	402,730	-1	-12	-62,189
Peoria.....	18	1,124	912,353	17	1,222	922,120	-1	+98	+9,767
Putnam.....	2	559	268,710	2	724	403,136	.....	+165	+134,426
Stark.....	2	22	9,125	.....	.....	.....	-2	-22	-9,125
Woodford.....	2	388	150,743	2	420	163,140	.....	+32	+12,397
Fourth.....	33	3,474	2,296,063	37	3,841	2,411,554	+4	+367	+115,491
Fulton.....	24	2,819	1,941,115	27	3,146	2,081,055	+3	+327	+139,940
Hancock.....	1	14	8,400	1	9	4,250	.....	-5	-4,150
McDonough....	1	46	19,573	1	44	11,864	.....	-2	-7,709
McLean.....	2	306	154,943	2	304	122,416	.....	-2	-32,527
Tazewell.....	5	289	172,032	6	338	191,969	+1	+49	+19,937
Fifth.....	22	4,309	3,096,833	18	4,047	2,705,468	-4	-262	-391,365
Macon.....	5	534	296,329	4	443	237,636	-1	-91	-58,693
Vermilion.....	17	3,775	2,800,504	14	3,604	2,467,832	-3	-171	-332,672

Table 21—Concluded.

DISTRICTS. AND COUNTIES.	1907			1908			GAIN (+) OR LOSS (-) 1908		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
Sixth.....	46	7,554	5,693,211	46	7,854	5,840,028	.....	+300	+146,817
Logan.....	4	677	478,015	4	761	430,010	.....	+84	-48,005
Menard.....	7	612	386,051	8	630	370,684	+1	+18	-15,367
Sangamon.....	35	6,265	4,829,145	34	6,463	5,039,334	-1	+198	+210,189
Seventh.....	36	7,515	6,657,746	37	8,749	7,173,183	+1	+1,234	+515,437
Christian.....	8	1,662	1,235,566	8	1,837	1,423,323	.....	+175	+187,757
Macoupin.....	18	4,457	4,216,406	18	4,972	4,210,986	.....	+515	-5,420
Montgomery....	8	1,159	1,073,708	9	1,670	1,380,668	+1	+511	+306,960
Shelby.....	2	237	132,066	2	270	158,206	.....	+33	+26,140
Eighth.....	78	9,053	7,991,535	75	9,106	7,930,813	-3	+53	-60,722
Bond.....	2	239	136,967	3	250	103,518	+1	+11	-33,449
Madison.....	16	3,847	3,527,200	16	3,924	3,547,083	.....	+77	+19,883
St Clair.....	60	4,967	4,327,368	56	4,932	4,280,212	-4	-35	-47,156
Ninth.....	57	7,181	5,563,602	56	7,835	6,242,678	-1	+654	+679,076
Clinton.....	7	1,350	1,061,410	7	1,488	1,152,670	.....	+138	+91,260
Franklin.....	8	1,342	863,165	10	1,918	1,678,195	+2	+576	+815,030
Jefferson.....	1	48	10,000	.....	.....	.....	-1	-48	-10,000
Marion.....	6	1,184	1,080,283	5	1,179	954,925	-1	-5	-125,358
Perry.....	22	2,223	1,737,079	21	2,168	1,605,125	-1	-55	-131,954
Randolph.....	10	888	735,654	10	920	56,735	.....	+32	-21,081
Washington....	2	132	68,768	2	126	75,548	.....	-6	+6,780
White.....	1	14	7,243	1	36	19,480	.....	+22	+12,237
Tenth.....	62	8,908	7,698,816	68	10,898	8,449,749	+6	+1,990	+750,933
Gallatin.....	2	104	68,928	1	81	52,544	-1	-23	-16,384
Jackson.....	10	1,180	685,733	11	1,114	616,238	+1	-66	-69,495
Saline.....	18	2,067	1,707,717	20	3,427	2,465,602	+2	+1,360	+757,885
Williamson....	32	5,557	5,236,438	36	6,276	5,315,365	+4	+719	+78,927



Table 22 is a list of the 407 shipping mines, with the names of the operators, the number and location of the mines managed by each, the total output of the mines at each location, with the distribution of the products. The totals of each item are shown in the first line at the head of the table.

The total output of this class of mines is over ninety-seven per cent of the total output of all mines in the State. The tons loaded on cars at the mines for shipment was 91.1 per cent of the total output, leaving 8.9 per cent disposed to locomotives at the mines, sold to local trade and used for all purposes at the mines.

The Consolidated Coal Company which has held first place in this classification for many years is displaced this year, by the O'Gara Coal Company, with fourteen mines having an output of 2,120,141 tons.

Eight of these owners or operators control fifty-one or 12.5 per cent of this class of mines, each showing an output of over one million tons, the aggregate of which 23.7 per cent of the total of the 407 mines. These same companies shipped from their mines ninety-four per cent of their product, equaling 24.4 per cent of the total shipped by all mines.

TABLE 22—*Shipping or Commercial Collieries—Distribution of Output for Year 1908*

No. of operators.	NAME OF OPERATOR.	Number of mines.	Location of mine—postoffice.	Total output all grades—tons.	DISTRIBUTION OF OUTPUT—TONS.			
					Loaded on cars at mine for shipment	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at mine.
	All shipping mines..	407		47,809,730	43,558,055	1,003,860	1,302,901	1,944,914
1	O'Gara Coal Co.....	14		2,120,141	2,026,138	31,497	21,825	40,681
	..do.....	7	Harrisburg....	1,265,155	1,199,338	31,497	12,921	21,399
	..do.....	3	Eldorado.....	349,126	334,377		5,711	9,038
	..do.....	2	Ledford.....	260,144	255,130		803	4,211
	..do.....	1	Carrier Mills....	161,698	157,542		1,653	2,503
	..do.....	1	Springfield.....	84,018	79,751		737	3,530
2	Consolidated Coal Co....	10		1,986,882	1,752,378	36,926	13,130	184,448
	..do.....	3	Staunton.....	710,053	596,922	36,926	62,43	69,992
	..do.....	3	Mt. Olive.....	651,404	580,211		3,607	58,586
	..do.....	2	Collinsville.....	529,632	489,250			49,382
	..do.....	1	Breese.....	58,242	53,777		848	3,617
	..do.....	1	Gillespie.....	37,551	32,218		2,432	2,901

Table 22—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Location of mine—postoffice.	Total output all grades—tons.	DISTRIBUTION OF OUTPUT—TONS.			
					Loaded on cars at mine for shipment.	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at mine.
3	Superior Coal Co. ....	3	.....	1,631,520	1,574,981	.....	492	56,047
	..do.....	2	Gillespie.....	1,076,597	1,036,467	.....	384	39,746
	..do.....	1	Sawyerville.....	554,923	538,514	.....	108	16,301
4	Madison Coal Co. ....	6	.....	1,263,562	1,165,301	20,030	9,710	68,521
	..do.....	2	Glen Carbon.....	434,880	413,060	510	3,352	17,958
	..do.....	1	Divernon.....	335,799	322,161	.....	3,798	9,840
	..do.....	1	Dewmaine.....	213,826	181,708	816	1,423	29,879
	..do.....	1	Mt. Olive.....	183,056	155,057	18,704	675	8,620
	..do.....	1	Cambria.....	96,001	93,315	.....	462	2,224
5	Dering Coal Co. ....	5	.....	1,189,119	1,161,344	.....	2,151	25,624
	..do.....	3	Westville.....	899,419	887,419	.....	.....	12,000
	..do.....	2	W. Frankfort..	289,700	273,925	.....	2,151	13,624
6	Big Muddy C. & I. Co..	5	.....	1,065,529	983,445	12,404	4,100	65,580
	..do.....	1	Clifford.....	413,709	391,819	286	1,239	20,365
	..do.....	1	Herrin.....	412,495	388,991	400	2,861	20,243
	..do.....	3	Murphysboro..	239,325	202,635	11,718	.....	24,972
7	Donk Bros. C. & C. Co..	3	.....	1,033,882	1,003,169	2,588	5,012	23,113
	..do.....	1	Donkville.....	440,613	428,811	2,469	755	8,578
	..do.....	1	Maryville.....	351,995	341,812	27	2,060	8,096
	..do.....	1	Troy.....	241,274	232,546	92	2,197	6,439
8	Spring Valley Coal Co..	5	Spring Valley..	1,017,773	950,113	10,096	21,016	36,548
9	Chi., Wil. & V. C. Co..	5	.....	962,116	891,856	.....	14,564	55,696
	..do.....	2	S. Wilmington.	424,333	384,258	.....	8,527	31,548
	..do.....	1	Thayer.....	368,548	357,490	.....	1,997	9,061
	..do.....	2	Streator.....	169,235	150,108	.....	4,040	15,087
10	Kelley Coal Co. ....	4	.....	944,828	919,848	.....	7,414	17,566
	..do.....	3	Westville.....	795,995	775,409	.....	7,241	13,345
	..do.....	1	Himrod.....	148,833	144,439	.....	173	4,221
11	Southern C. & M. Co....	9	.....	881,506	833,592	208	9,879	37,827
	..do.....	6	Belleville.....	520,992	497,896	208	3,518	19,370
	..do.....	1	New Baden.....	333,912	315,124	.....	3,014	15,774
	..do.....	1	Germantown...	26,602	20,572	.....	3,347	2,683
12	Springfield C. M. Co....	5	.....	861,981	814,528	116	15,928	31,409
	..do.....	3	Springfield.....	519,475	488,299	.....	12,299	18,877
	..do.....	2	Riverton.....	342,506	326,229	116	3,629	12,532

Table 22—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Location of mine—postoffice.	Total output all grades—tons.	DISTRIBUTION OF OUTPUT—TONS.			
					Loaded on cars at mine for shipment	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at mine.
13	Mt. Olive & S. C. Co.	2	.....	742,782	720,203	6,125	3,556	12,898
	..do.	1	Williamson	417,528	409,065	.....	1,420	7,043
	..do.	1	Staunton	325,254	311,138	6,125	2,136	5,855
14	Centralia Coal Co.	3	Centralia	721,883	533,636	133,469	29,508	25,270
15	St. Louis & O'Fal. C. Co.	2	Belleville	657,226	645,458	4,340	.....	7,428
16	Illinois Collieries Co.	7	.....	637,866	550,791	31,064	27,154	28,857
	..do.	2	Virden	252,259	222,864	10,108	7,254	12,033
	..do.	2	Springfield	178,461	167,814	.....	2,164	8,483
	..do.	1	Girard	110,898	103,339	.....	3,998	3,561
	..do.	1	Litchfield	50,019	15,148	20,956	11,578	2,337
	..do.	1	Sorento	46,229	41,626	.....	2,160	2,443
17	LaSalle Co. C. & C. Co.	5	.....	620,506	474,900	68,241	47,410	29,955
	..do.	2	LaSalle	339,931	271,054	32,606	24,592	11,679
	..do.	3	Streator	280,575	203,846	35,635	22,818	18,276
18	Ill. Midland Coal Co.	2	.....	598,832	577,847	2,543	5,779	12,663
	..do.	1	Sherman	302,305	296,803	.....	33	5,469
	..do.	1	Pawnee	296,527	281,044	2,543	5,746	7,194
19	St. Paul Coal Co.	2	.....	580,402	538,123	3,360	6,233	32,686
	..do.	1	Cherry	295,182	260,753	.....	2,017	32,412
	..do.	1	Granville	285,220	277,370	3,360	4,216	274
20	Big Creek Coal Co.	3	.....	548,361	530,985	3,295	185	13,896
	..do.	1	St. David	221,521	215,883	1,779	.....	3,859
	..do.	1	Dunfermline	218,647	211,986	.....	185	6,476
	..do.	1	Cuba	108,193	103,116	1,516	.....	3,561
21	Peabody Coal Co.	3	.....	531,749	508,962	.....	5,010	17,777
	..do.	2	Marion	489,705	474,270	.....	.....	15,435
	..do.	1	Nokomis	42,044	34,692	.....	5,010	2,342
22	New Staunton Coal Co.	1	Livingston	530,159	522,038	23	1,827	6,271
23	Zeigler Coal Co.	1	Zeigler	522,722	498,422	1,226	1,620	21,454
24	Breese-Trenton Mng. Co.	3	.....	518,739	441,314	49,275	11,232	16,918
	..do.	2	Breese	327,245	255,064	49,275	8,968	13,938
	..do.	1	Beckemeyer	191,494	186,250	.....	2,264	2,980

Table 22—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Location of mine—postoffice.	Total output all grades tons.	DISTRIBUTION OF OUTPUT—TONS.			
					Loaded on cars at mine for shipment.	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at mine.
25	Chi. & Carte'vil Coal Co	2	Herrin.....	507,844	458,718	10,645	4,392	34,089
26	Burnwell Coal Co.....	2	Witt.....	422,433	407,034	.....	7,307	8,092
27	Maplewood Coal Co.....	2	Farmington....	409,912	399,336	833	1,626	8,117
28	Sunnyside Coal Co.....	1	Herrin.....	397,525	374,168	.....	1,990	21,367
29	Pana Coal Co.....	2	Pana.....	390,909	234,078	31,416	18,936	106,479
30	Jos Taylor Coal Co.....	3	O'Fallon.....	385,500	372,000	800	2,200	10,500
31	Willis Coal Mining Co...	2	.....	382,771	375,179	.....	1,718	5,874
	..do.....	1	Percy.....	216,701	212,156	.....	1,394	3,151
	..do.....	1	Willisville....	166,070	163,023	.....	324	2,723
32	Bessemer Washed C. Co	6	.....	369,521	329,936	17,225	7,367	14,993
	..do.....	2	Tilden.....	137,020	126,495	.....	.....	10,525
	..do.....	1	Pinckneyville..	133,325	112,323	17,140	3,472	390
	..do.....	2	Marissa.....	61,864	57,428	85	2,395	1,956
	..do.....	1	Lenzburg.....	37,312	33,690	.....	1,500	2,122
33	Clarke Coal & Coke Co..	2	Peoria.....	365,912	343,044	15,203	.....	7,665
34	Lumaghi Coal Co.....	2	Collinsville....	358,272	351,684	.....	1,817	4,771
35	Big Four Wilm. Coal Co	3	Carbon Hill....	344,802	324,430	.....	6,352	14,020
36	Royal Coal Co.....	1	Virден.....	337,680	329,412	.....	1,782	6,486
37	Little Vermillion Coal Co	1	Georgetown....	330,342	327,001	.....	.....	3,341
38	Johnston City Coal Co..	1	Johnston City..	326,829	323,829	.....	.....	3,000
39	Shoal Creek Coal Co....	1	Panama.....	293,127	280,320	.....	1,347	11,460
40	Citizens' Coal Mining Co	3	.....	289,288	233,979	31,316	13,523	10,470
	..do.....	2	Springfield....	170,048	161,703	3,952	2,516	1,877
	..do.....	1	Lincoln.....	119,240	72,276	27,364	11,007	8,593
41	Devlin Coal Co.....	1	Toluca.....	284,839	221,326	43,422	5,629	14,462
42	Springfield Coal Co.....	1	Taylorville....	274,337	222,057	17,397	18,633	16,250
43	Woodside Coal Co.....	1	Springfield....	267,276	204,200	35,450	17,500	10,126
44	Hillsboro Coal Co.....	1	Hillsboro.....	264,499	250,712	.....	8,892	4,895
45	Prairie Coal Co.....	1	Belleville.....	261,970	260,770	100	100	10000
46	Springfield Colliery Co..	1	Springfield....	257,174	250,174	.....	.....	7,000
47	Christian Co. Coal Co...	1	Taylorville....	256,882	237,078	.....	8,226	11,578
48	Black Diamond Coal Co	1	Auburn.....	253,621	245,537	.....	2,112	5,972
49	Chi. & B. M. C. & C. Co	1	Marion.....	250,858	244,122	.....	128	6,608
50	Carterville Dist. C. Co.	1	..do.....	250,500	243,200	.....	.....	7,300

Table 22—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Location of mine—postoffice.	Total output all grades—tons.	DISTRIBUTION OF OUTPUT—TONS.			
					Loaded on cars at mine for shipment	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at mine.
51	Coal Valley Mining Co.	2	.....	246,950	230,187	1,544	3,992	11,227
	..do.....	1	Sherrard.....	217,280	204,700	944	3,331	8,305
	..do.....	1	Cable.....	29,670	25,487	600	661	2,922
52	Majestic Coal Co.	1	Clinch.....	245,513	238,000	.....	313	7,200
53	Western C. & M. Co.	1	Bush.....	238,619	223,129	.....	936	14,554
54	Saline Co. Coal Co.	2	Harrisburg.....	237,248	232,959	.....	516	3,773
55	Illinois 3d Vein Coal Co.	1	Ladd.....	229,816	190,864	17,037	4,073	17,842
56	Carterville Coal Co.	1	Carterville.....	217,134	210,632	.....	602	5,900
57	Cardiff Coal Co.	1	Cardiff.....	216,781	209,737	.....	2,400	4,644
58	Star Coal Co.	4	.....	216,512	208,646	.....	106	7,760
	..do.....	2	Cuba.....	116,363	114,553	.....	.....	1,810
	..do.....	2	Kangley.....	100,149	94,093	.....	106	5,950
59	Newsam Bros.	4	.....	212,623	206,062	.....	2,516	4,045
	..do.....	3	Peoria.....	148,690	145,264	.....	931	2,495
	..do.....	1	Farmington.....	63,933	60,798	.....	1,585	1,550
60	Braceville Coal Co.	1	Braceville.....	209,742	195,888	.....	3,243	10,611
61	Monmouth Coal Co.	1	Brereton.....	206,747	202,151	.....	.....	4,596
62	Missouri & Ill. Coal Co.	4	.....	205,025	199,129	.....	226	5,670
	..do.....	1	Willisville.....	100,929	99,190	.....	139	1,600
	..do.....	1	Wilderman.....	48,457	46,629	.....	38	17,90
	..do.....	1	Freeburg.....	35,043	33,753	.....	10	1,280
	..do.....	1	Rentchler.....	20,596	19,557	.....	39	10000
63	Oglesby Coal Co.	1	Oglesby.....	202,781	187,442	158	5,168	10,013
64	Benton Coal Co.	1	Benton.....	202,050	187,406	.....	8,892	5,752
65	Paradise Coal & C. Co.	1	Duquoin.....	200,000	163,000	12,000	1,000	24,000
66	Latham Coal Co.	1	Lincoln.....	199,020	171,890	.....	15,143	11,987
67	Muddy Val. M. & M. Co.	1	Hallidayboro.....	194,943	121,987	49,651	20,412	2,893
68	Carterville Mining Co.	3	.....	194,033	184,601	.....	974	8,458
	..do.....	2	Carterville.....	137,731	132,563	.....	192	4,976
	..do.....	1	Cambria.....	56,302	52,038	.....	782	3,482
69	St. Louis & Cart. C. Co.	1	Herrin.....	192,710	189,451	740	99	2,420
70	Standard Washed C. Co.	2	.....	191,786	182,281	.....	3,305	6,200
	..do.....	1	Spaulding.....	99,826	94,601	1	2,625	2,600
	..do.....	1	Bissell.....	91,960	87,680	.....	680	3,600

Table 22—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Location of mine—postoffice.	Total output all grades—tons.	DISTRIBUTION OF OUTPUT—TONS.			
					Loaded on cars at mine for shipment.	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at mine.
71	Kolb Coal Co.....	4	Mascoutah.....	191,661	150,661	24,000	5,000	12,000
72	Odin Coal Co.....	1	Odin.....	190,642	178,352	.....	3,245	9,045
73	Consumers C. & M. Co..	2	Johnston City..	189,607	181,607	.....	.....	8,000
74	Capital Coal Co.....	1	Springfield.....	185,475	82,420	36,985	53,385	12,685
75	Canton Coal Co.....	1	Canton.....	177,812	177,332	.....	.....	480
76	Co-Operative Coal M. Co	1	Breese.....	176,805	169,305	.....	2,500	5,000
77	United Coal Co.....	1	Christopher....	175,113	163,630	.....	7,103	4,380
78	Kortkamp Coal Co.....	1	Hillsboro.....	173,458	168,458	.....	.....	5,000
79	Wilmington Star M.Co..	3	Coal City.....	168,047	159,891	.....	3,989	4,167
80	Vivian Coal Co.....	1	Green Ridge...	164,897	159,311	.....	1,282	4,304
81	DeCamp C. M. Co.....	1	Staunton.....	164,758	158,152	53	6,553	.....
82	Sangamon Coal Co.....	1	Springfield.....	161,334	156,117	.....	2,781	2,436
83	Chi.-Springfield C. Co. .	1	do.....	159,450	156,023	.....	186	3,241
84	Zeigler Dist.Col.Co.....	1	Christopher....	156,510	151,761	.....	2,747	2,002
85	Superior C. & M. Co....	1	Belleville.....	153,797	148,367	.....	.....	5,430
86	Duquoin Oper. Co.....	1	Clinch.....	151,426	144,476	.....	950	6,000
87	Empire Coal Co.....	1	Gilchrist.....	147,403	144,089	.....	1,892	1,422
88	Stonington Coal Co.....	1	Stonington.....	142,894	132,291	.....	5,071	5,532
89	Tuxhorn Coal Co.....	1	Springfield.....	142,666	139,423	.....	1,243	2,000
90	Smith-Lohr Coal Co.....	1	Pana.....	142,283	128,115	.....	11,768	2,400
91	Wabash Coal Co.....	2	.....	141,975	130,618	.....	4,619	6,738
	do.....	1	Dawson.....	76,681	71,912	.....	2,190	2,579
	do.....	1	Athens.....	65,294	58,706	.....	2,429	4,159
92	Acme Coal Co.....	1	Streator.....	141,861	99,039	.....	13,268	29,554
93	Borders Coal Co.....	2	Marissa.....	138,567	120,900	.....	3,500	14,167
94	Morris Coal M. Co.....	1	Norris.....	137,544	117,315	16,929	1,500	1,800
95	Clover Leaf Coal Co....	2	Coffeen.....	135,088	128,572	78	3,338	3,100
96	Cora Coal Co.....	1	Springfield.....	132,950	128,873	.....	1,333	2,744
97	Kern Donnewald C. Co.	1	Worden.....	131,988	123,608	.....	3,100	5,280
98	Decatur Coal Co.....	3	.....	128,942	51,426	.....	77,516	.....
	do.....	2	Decatur.....	99,141	25,625	.....	73,516	.....
	do.....	1	Niantic.....	29,801	25,801	.....	4,000	.....

Table 22—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Location of mine—postoffice.	Total output all grades—tons.	DISTRIBUTION OF OUTPUT—TONS.			
					Loaded on cars at mine for shipment	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at mine.
99	Trenton M. Co.....	1	Trenton.....	127,369	112,660	.....	5,611	9,098
100	Penwell C. M. Co.....	1	Pana.....	126,808	98,295	16,171	6,130	6,212
101	Marquette 3d Vein C. Co	1	Marquette.....	123,807	113,678	.....	1,556	8,573
102	B. F. Berry Coal Co....	1	Granville.....	117,916	109,959	.....	1,646	6,311
103	Big Mudy River C. Co..	2	.....	117,659	117,659	.....	.....	.....
	..do.....	1	Johnston City..	62,794	62,794	.....	.....	.....
	..do.....	1	Herrin.....	54,865	54,865	.....	.....	.....
104	W. P. Rend Col. Co.....	1	Benton.....	113,831	106,442	75	654	6,660
105	Wasson Coal Co.....	1	Harrisburg....	112,290	110,586	.....	204	1,500
106	Avery Coal & M. Co....	2	.....	112,056	102,763	.....	2,772	6,521
	..do.....	1	Freeburg.....	59,353	54,443	.....	1,884	3,026
	..do.....	1	Winkle.....	52,703	48,320	.....	888	3,495
107	Franklin Co. Col. Co....	1	Sesser.....	111,532	103,932	.....	1,040	6,560
108	Carterville & B.M.C.Co.	1	Cambria.....	111,347	104,132	.....	335	6,880
109	Williamson Co. Coal Co.	1	Johnston City..	109,959	107,540	.....	.....	2,419
110	Springfield Co-oper. Co.	1	Springfield....	108,800	81,600	.....	23,200	4,000
111	Mfg. & Consumers C. Co	1	Decatur.....	108,694	34,588	7,709	62,724	3,673
112	E. S. Gray Coal Co.....	1	Oakwood.....	108,668	105,758	.....	1,350	1,560
113	Hafer Washed Coal Co..	1	Carterville....	107,298	104,674	.....	140	2,484
114	Moffat Coal Co.....	1	Sparta.....	106,579	98,903	.....	676	7,000
115	Wenona Coal Co.....	1	Wenona.....	104,176	91,365	.....	8,066	4,745
116	Barelay Coal M. Co.....	1	Springfield....	102,592	97,809	.....	1,783	3,000
117	Roanoke Coal Co.....	1	Pekin.....	100,403	80,223	8,307	6,196	5,677
118	Donally-Koenecke Coal Co.....	1	Carterville....	99,717	91,671	.....	300	7,746
119	Lincoln M. Co.....	1	Lincoln.....	99,298	69,298	.....	20,000	10,000
120	Cantrall Co-oper. Co....	1	Cantrall.....	98,862	90,947	4,812	1,203	1,900
121	West End Coal Co.....	1	Springfield....	98,358	71,988	.....	23,370	3,000
122	Fullerton Coal Co.....	1	Belleville....	95,996	94,996	.....	300	700
123	Brilliant Coal & C. Co...	1	Duquoin.....	94,515	89,314	.....	1,601	3,600
124	Century Coal Co.....	1	Tower Hill....	94,366	87,741	.....	3,276	3,349
125	Watson Coal Co.....	2	Herrin.....	94,350	89,200	3,000	500	1,650
126	Applegate & Lewis C.Co	2	.....	92,403	76,115	11,177	1,518	3,593
	..do.....	1	Cuba.....	61,897	47,719	11,177	74	2,927
	..do.....	1	Hanna City....	30,506	28,396	.....	1,444	666

Table 22—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Location of mine—postoffice.	Total output all grades—tons.	DISTRIBUTION OF OUTPUT—TONS.			
					Loaded on cars at mine for shipment.	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at mine.
127	Vulcan C.M.Co.....	2	Belleville.....	90,249	69,426	13,250	839	6,734
128	Wolschlag Co-oper. Co..	1	Peoria.....	89,323	86,300	1,042	.....	1,981
129	Assumption Coal Co....	1	Assumption....	89,210	70,952	.....	9,162	9,096
130	McLean Co. Coal Co....	1	Bloomington..	88,898	12,000	21,000	42,000	13,898
131	Suburban C. & M. Co...	1	Belleville.....	88,769	85,969	.....	800	2,000
132	Middletown C. Co.....	1	Middletown ..	87,816	79,914	.....	4,589	3,313
133	International M. Co....	2	O'Fallon.....	86,858	76,049	.....	2,788	8,021
134	Athens Mining Co.....	1	Athens.....	86,178	80,229	.....	2,712	3,237
135	Chicago & Herrin C. Co.	1	Herrin.....	85,471	75,553	.....	3,562	6,356
136	Simmons Coal Co.....	1	Canton.....	84,939	82,018	.....	.....	2,921
137	Sholl Bros.....	1	Peoria.....	83,341	81,405	.....	150	1,786
138	Eagle Mining Co.....	1	Canton.....	80,707	66,451	.....	11,800	2,456
139	Jupiter C. & Mining Co.	2	Duquoin.....	80,355	74,255	.....	600	5,500
140	Miller & Horn Coal Co..	1	do.....	76,991	73,701	.....	480	2,810
141	Royal Coal Co.....	1	Belleville.....	74,327	72,827	.....	.....	1,500
142	Tazewell Coal Co.....	1	Pekin.....	74,109	68,627	.....	4,657	825
143	Johnson Coal Co.....	2	.....	73,830	69,010	.....	.....	4,820
	do.....	1	Marissa.....	38,244	37,000	.....	.....	1,244
	do.....	1	Freeburg.....	35,586	32,010	.....	.....	3,576
144	Electric C. Co.....	1	Hillery.....	73,721	48,580	22,396	756	1,989
145	Kewanee C. M. Co.....	2	Kewanee.....	72,107	69,215	.....	1,463	1,429
146	Gartside Coal Co.....	2	Murphysboro ..	71,058	52,517	.....	3,586	14,955
147	Robert Dick & Co.....	1	Cambria.....	69,152	67,452	.....	300	1,400
148	Illinois Fuel Co.....	1	Sparta.....	68,565	64,952	.....	221	3,392
149	Wilm C. M. & Mfg. Co..	1	Torino.....	67,418	62,036	.....	1,732	3,650
150	James Cahill Estate....	1	Peru.....	66,522	27,234	29,413	7,869	2,006
151	Prairie State C. & C. Co.	1	Nilwood.....	65,947	59,947	.....	2,500	3,500
152	Carlinville Coal Co.....	1	Carlinville..	65,721	47,031	2,460	12,120	4,110
153	Spring Creek Coal Co....	1	Springfield....	63,940	61,384	.....	365	2,191
154	Moweaquea Coal Co....	1	Moweaquea ...	63,840	42,284	6,360	10,141	5,055
155	Carterville & Herrin C. Co.....	1	Herrin.....	63,063	60,769	.....	192	2,102
156	Summit Coal Co.....	1	Belleville.....	62,886	61,934	.....	176	776
157	Minonk Coal Co.....	1	Minonk.....	62,737	49,214	.....	10,400	3,123
158	Mulberry Hill Coal Co...	1	Freeburg.....	62,350	61,650	.....	200	500



Table 22—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Location of mine—postoffice.	Total output all grades—tons.	DISTRIBUTION OF OUTPUT—TONS.			
					Loaded on cars at mine for shipment	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at mine
159	Murphy-Keenan & Co...	1	Braidwood.....	60,256	53,087	.....	5,969	1,200
160	Imperial Coal Co.....	1	Duquoin.....	58,724	56,469	.....	430	1,825
161	Harrisburg-So. Coal Co..	1	Grayson.....	58,437	56,357	.....	200	1,880
162	Illinois Zinc Co.....	1	Peru.....	58,435	56,380	.....	597	1,458
163	Boyd Coal & Coke Co...	1	Sparta.....	57,600	53,000	.....	4,000	600
164	Belleville & O'Fallon C. Co.....	1	Belleville.....	57,288	55,080	.....	1,920	288
165	Big Muddy-Carterville M. Co.....	1	Pierce.....	56,823	55,023	.....	600	1,200
166	Auburn & Alton C. Co..	1	Auburn.....	56,814	41,353	.....	6,869	8,592
167	Pocahontas Mining Co..	1	Pocahontas....	55,161	48,835	.....	3,292	3,034
168	St. Louis-Coulterville C. Co.....	1	Coulterville....	54,855	52,193	.....	1,081	1,581
169	Johnson Allen Coal Co..	1	Cutler.....	53,673	42,933	8,640	1,200	900
170	Gallatin C. & C. Co.....	1	Equality.....	52,544	43,089	3,676	2,179	3,600
171	Wilson Bros. Coal Co...	1	Sparta.....	52,535	50,825	.....	1,478	232
172	Interstate C. & M. Co...	1	Staunton.....	50,289	47,201	.....	.....	3,088
173	Hart-Williams Coal Co..	1	Benton.....	49,914	45,459	.....	2,531	1,924
174	Mrs. E. Hakes.....	1	Rutland.....	49,572	23,230	17,638	4,794	3,910
175	Henrietta Coal Co.....	1	Edwardsville...	49,117	32,340	.....	13,977	2,800
176	Jones Bros. C. & M. Co.	1	Tilden.....	47,809	46,668	.....	.....	1,141
177	Gus Blair B. M. Coal Co..	2	Murphysboro...	46,664	39,649	.....	3,385	3,630
178	Chicago & Carbondale C. Co.....	1	DeSoto.....	46,000	41,000	.....	500	4,500
179	Collier Coop. Coal Co...	1	Bartonville....	45,984	45,000	.....	.....	984
180	Cluley-Miller Coal Co...	1	Caseyville.....	44,898	43,933	.....	165	800
181	Jones Bros. Coal Co.....	1	Marissa.....	44,129	38,445	.....	2,283	3,401
182	Marissa Coal & M. Co...	1	do.....	42,510	39,617	.....	723	2,170
183	Middletown & Seidel...	1	Sandoval.....	42,400	40,360	.....	1,200	840
184	Tilton Coal Co.....	1	Vandercook....	42,205	42,205	.....	.....	.....
185	Spoon River Coal Co...	2	.....	40,918	40,918	.....	.....	.....
	do.....	1	Galesburg.....	21,563	21,563	.....	.....	.....
	do.....	1	Mayton.....	19,355	19,355	.....	.....	.....
186	George Vickery.....	1	Peoria.....	40,330	35,000	.....	5,000	330
187	Beaty Coal Co.....	1	Mascoutah....	39,600	37,620	.....	.....	1,980
188	South Mountain C. Co..	1	Petersburg....	39,518	30,927	2,610	4,480	1,501
189	Coulterville Mining Co..	1	Coulterville....	38,989	34,414	.....	2,824	1,751

Table 22—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Location of mine—postoffice.	Total output all grades—tons.	DISTRIBUTION OF OUTPUT—TONS.			
					Loaded on cars at mine for shipment.	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at mine.
190	Nicholson Coal Co.....	1	Nashville.....	38,608	400	17,608	16,600	4,000
191	Jones & Adams C Co...	1	Springfield.....	38,239	34,052		2,487	1,700
192	Phoenix Coal Co.....	1	Peoria.....	37,775	36,315			1,460
193	Tamaroa & L. M. C. Co..	1	Tamaroa.....	37,283	34,583		2,000	700
194	West Virginia Coal Co...	1	Marion.....	37,062	37,062			
195	Kuhn Collieries Co.....	1	Dubois.....	36,940	31,940		3,000	2,000
196	East Cuba C. M. Co.....	1	Cuba.....	36,219	34,519			1,700
197	Oakwood Coal Co.....	1	Oakwood.....	36,000	34,400		800	800
198	Howe Coal Co.....	1	Streator.....	34,534	16,737		17,447	350
199	People's Coal M. Co.....	1	Tice.....	34,212	33,780			432
200	Astoria & Woodland C. Co.....	1	Astoria.....	33,603	32,403			1,200
201	Colfax Coop. C. Co.....	1	Colfax.....	33,518	18,955	7,501	3,862	3,200
202	Tallula Coal Co.....	1	Tallula.....	31,584	27,085		3,762	787
203	White & Nesbit.....	1	Belleville.....	31,536	21,702		8,340	1,494
204	Glendale Coal & M. Co..	1	do.....	31,463	25,590		2,929	2,944
205	West Mine Coal Co.....	1	Coulterville.....	30,937	28,873		1,720	344
206	Lancaster Landing C. C.	2	Kingston.....	30,400	30,400			
207	Brookside Coal Co.....	1	Troy.....	30,268	21,669		6,282	2,317
208	Joliet-Wilmington C. Co.	1	Braidwood.....	28,840	25,890		1,300	1,650
209	Pittsburg Coal & M. Co.	1	Belleville.....	27,945	17,335		8,610	2,000
210	Howard & Taylor.....	1	Edwards.....	27,211	24,526			2,685
211	Grant Bros. C. & Ice Co..	1	Pekin.....	26,825	18,000		7,000	1,825
212	Bailey Bros.....	1	Sunfield.....	26,316	24,669		792	855
213	Highland Coal Co.....	1	Belleville.....	25,067	13,633	850	7,933	2,651
214	Williamsville Coal Co...	1	Selbytown.....	24,305	20,333		1,000	2,972
215	New Moon Mining Co...	1	Duquoin.....	23,547	17,760		5,187	600
216	Dewey Coal Co.....	1	Belleville.....	22,722	21,900			822
217	Fairbury West End C. Co.....	1	Fairbury.....	22,554	10,367	11,587	500	100
218	Eastern Coal Co.....	1	Peoria.....	21,737	10,000		11,437	300
219	Mechanicsburg Coal Co..	1	Mechanicsburg.	21,324	15,992		2,785	2,547
220	T. M. Meeks Coal Co....	1	Marissa.....	21,019	20,426		65	528
221	Edwardsville Coal Co...	1	Edwardsville..	20,688	4,000		16,212	476
222	Central Indiana C. M. C.	1	Rentchler.....	20,578	20,200		200	178
223	I. Wantling & Co.....	1	Peoria.....	20,361	19,861			500

Table 22—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Location of mine—postoffice.	Total output all grades—tons.	DISTRIBUTION OF OUTPUT—TONS.			
					Loaded on cars at mine for shipment	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at mine.
224	Champion Coal Co.....	1	Pekin.....	20,290	9,080	2,273	8,487	450
225	Farmington Coal Co.....	1	Farmington....	20,193	18,156		1,335	702
226	Diamond Fuel Co.....	1	Duquoin.....	19,718	17,718		650	1,350
227	Norris City Coal Co.....	1	Norris City.....	19,480	7,908	3,897	6,285	1,390
228	Herman Phull.....	1	Richland.....	17,825	16,865		40	920
229	Clarke City-Wilm. Coal Co.....	1	Clarke City....	17,801	14,917		1,305	1,579
230	W. D. Myers.....	1	St. David.....	17,700	17,000			700
231	Frank Davis.....	1	Muncie.....	17,649	10,319		6,880	450
232	Greenview Coal Co.....	1	Greenview.....	16,082	10,102		4,030	1,950
233	W. E. Foley.....	1	Mapleton.....	16,000	15,500		250	250
234	Third Vein Coal Co.....	1	do.....	15,000	14,500			500
235	Danville Colliery Co....	1	Catlin.....	15,000	11,000		3,000	1,000
236	Sunnyside Fuel Co.....	1	Cuba.....	14,556	13,445		554	557
237	Volunteer Coal Co.....	1	Coal Valley....	14,261	12,051		2,000	210
238	Schmidgall Coal Co.....	1	Murphysboro..	13,848	2,175		10,473	1,200
239	Anchor Coal & M. Co....	1	Duquoin.....	13,831	12,431		200	1,200
240	Fulton County Coal Co..	1	Sparland.....	13,715	8,466		4,192	1,059
241	Galatia Coal Co.....	1	Galatia.....	13,273	9,273		2,800	1,200
242	Mutual Coal Co.....	1	Mt. Pulaski....	12,452	1,549		9,103	1,800
243	L. Senior.....	1	Belleville.....	12,183	11,700			483
244	Harmony Coal Co.....	1	do.....	12,153	10,931		425	797
245	Burney Coal Co.....	1	Colchester.....	11,864	11,335		529	
246	Strait Coal Co.....	1	Pickneyville....	11,490	9,900		1,099	401
247	Lake Erie Coal M. Co...	1	Peoria.....	11,233	925		9,708	600
248	Manchester Coal Co.....	1	Petersburg.....	10,000	5,000		3,500	1,500
249	Colp Coal Co.....	1	Marion.....	10,000	8,700	600	200	500
250	Atlas Coal Co.....	1	Galva.....	9,852	3,152		6,100	600
251	Wasson Coal Co.....	1	Edwards.....	9,062	8,596		30	436
252	J. R. Riley.....	1	Breeds.....	8,925	8,900		25	
253	Seranton & B. M. C. Co.	1	Marion.....	8,688	7,531			1,157
254	Eldorado C. & M. Co....	1	Eldorado.....	8,000	4,500		3,000	500
255	Johnston City & St. L. C. Co.....	1	Johnston City..	5,546	1,505		3,428	613
256	Essex & Fritz.....	1	Parrville.....	5,500	5,500			
257	Monarch C. & M. Co....	1	Farmington....	5,000	5,000			

Table 22—Concluded.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Location of mine—postoffice.	Total output all grades—tons.	DISTRIBUTION OF OUTPUT—TONS.			
					Loaded on cars at mine for shipment.	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at mine.
258	Wm. Scripps Coal Co...	1	St. David.....	4,860	4,207			653
259	Keystone B. M. C. Co...	1	Marion.....	4,658	4,375		26	257
260	Peacock Coal Co.....	1	DeSoto.....	4,400	800		3,000	600
261	Meridith Bros.....	1	Augusta.....	4,250	4,000		250	
262	Wilson Coal Co.....	1	Cutler.....	3,861	2,819		706	336
263	Wm. Francis & Co.....	1	Streator.....	3,811	80		3,731	
264	Murphy Coal Co.....	1	Belleville.....	3,062	3,062			
265	Galesburg Union Supply Co.....	1	Parrville.....	2,712	2,712			
266	Magee Coal Co.....	1	Breeds.....	2,654	2,419		205	30
267	Mississippi Col. Co.....	1	Smithboro.....	2,128	763		1,000	365
268	Davenport Mining Co...	1	Carrier Mills...	231	190		20	21

The classification of the owners or operators of the foregoing list of mines is shown in the following table for the past five years. Of the 268 operators shown for this year 93.6 per cent are corporations, three per cent firms and 3.4 per cent individuals.

TABLE 23—Number of Shipping Mines and Locations with Classification of Ownership, for Five Years.

YEAR.	Total number of mines.	Number of locations.	OPERATORS.			Total.
			Corporations.	Firms.	Individuals.	
1904.....	380	175	228	20	25	273
1905.....	397	173	242	21	17	280
1906.....	419	178	248	21	16	285
1907.....	411	180	261	9	6	276
1908.....	407	172	251	8	9	268

## LOCATION OF MINES.

Table 24 presents a list of the location of all of the mines of the State, reported for the year, giving the county and district in which located, with number of mines, men and tons at each locality. The locations number 300, and for ready reference, gives at a glance, the location of all of the mines, men and tons in the State.

TABLE 24—*Locations of all Mines of the State, showing County and District, also number of Mines, Men and Tons, 1908.*

No	LOCATION OF MINES— TOWN OR POSTOFFICE.	County.	NUMBER OF—			
			District.	Mines.	Men.	Tons.
	The State.....	54	10	922	70,841	49,272,452
1	Abington.....	Knox.....	2	8	30	1,860
2	Aledo.....	Mercer.....	2	4	19	8,536
3	Alexis.....	Warren.....	2	2	11	4,780
4	Aley.....	Scott.....	7	2	15	1,859
5	Altona.....	Knox.....	2	1	5	1,400
6	Arenzville.....	Morgan.....	7	1	4	440
7	Assumption.....	Christian.....	7	1	174	89,210
8	Astoria.....	Fulton.....	4	2	60	34,134
9	Athens.....	Menard.....	6	2	270	151,472
10	Atkinson.....	Henry.....	2	2	14	3,514
11	Auburn.....	Sangamon.....	6	2	314	310,435
12	Augusta.....	Hancock.....	4	4	20	6,686
13	Ava.....	Jackson.....	10	2	11	4,451
14	Avon.....	Fulton.....	4	5	21	4,284
15	Bartonville.....	Peoria.....	3	4	96	95,022
16	Beckemeyer.....	Clinton.....	9	1	235	191,494
17	Belleville.....	St. Clair.....	8	33	2,539	2,320,269
18	Benton.....	Franklin.....	9	3	523	365,795
19	Bethalto.....	Madison.....	8	2	13	2,770
20	Birmingham.....	McDonough.....	4	3	8	1,080
21	Bissell.....	Sangamon.....	6	1	154	91,960
22	Blandinsville.....	McDonough.....	4	1	2	640
23	Bloomington.....	McLean.....	4	1	245	88,898
24	Bluffs.....	Scott.....	7	2	7	1,777
25	Braceville.....	Grundy.....	1	2	458	215,742
26	Bradford.....	Stark.....	3	3	17	3,350
27	Braidwood.....	Will.....	1	3	277	93,596
28	Breeds.....	Fulton.....	4	2	26	11,579
29	Breese.....	Clinton.....	9	4	677	562,292

Table 24—Continued.

No.	LOCATION OF MINES— TOWN OR POSTOFFICE.	County.	NUMBER OF—			
			District.	Mines.	Men.	Tons.
30	Brereton.....	Fulton.....	4	1	265	206,747
31	Briar Bluff.....	Henry.....	2	1	2	400
32	Brighton.....	Macoupin.....	7	3	10	1,874
33	Brimfield.....	Peoria.....	3	6	22	4,217
34	Bunker Hill.....	Macoupin.....	7	3	16	9,507
35	Bush.....	Williamson.....	10	1	271	238,619
36	Bushnell.....	Fulton.....	4	1	2	200
37	Cable.....	Mercer.....	2	3	59	31,210
38	Cambria.....	Williamson.....	10	5	531	333,344
39	Cambridge.....	Henry.....	2	1	11	5,000
40	Campbell Hill.....	Jackson.....	10	2	6	3,560
41	Canton.....	Fulton.....	4	18	520	356,737
42	Cantrall.....	Sangamon.....	6	1	137	98,862
43	Carbon Cliff.....	Rock Island.....	2	2	18	4,797
44	Carbondale.....	Jackson.....	10	4	22	9,000
45	Carbon Hill.....	Grundy.....	1	3	810	344,802
46	Cardiff.....	Livingston.....	2	1	312	216,781
47	Carlinville.....	Macoupin.....	7	1	93	65,721
48	Carpenter.....	Madison.....	8	1	4	1,040
49	Carriers Mills.....	Saline.....	10	2	254	161,929
50	Carterville.....	Williamson.....	10	9	736	600,425
51	Caseyville.....	St. Clair.....	8	2	54	46,323
52	Catlin.....	Vermilion.....	5	2	85	16,032
53	Centralia.....	Marion.....	9	3	828	721,883
54	Centreville.....	St. Clair.....	8	1	5	5,962
55	Chandlersville.....	Cass.....	6	1	5	800
56	Cherry.....	Bureau.....	2	1	425	295,182
57	Chesterfield.....	Macoupin.....	7	3	11	2,498
58	Chillicothe.....	Peoria.....	3	2	10	3,004
59	Christopher.....	Franklin.....	9	2	321	331,623
60	Clarke City.....	Kankakee.....	1	1	52	17,801
61	Clifford.....	Williamson.....	10	1	327	413,709
62	Clinch.....	Perry.....	9	2	555	396,939
63	Coal City.....	Grundy.....	1	3	379	168,047
64	Coal Valley.....	Rock Island.....	2	7	92	54,063
65	Coffeen.....	Montgomery.....	7	2	253	135,088
66	Colchester.....	McDonough.....	4	33	157	29,621

Table 24—Continued.

No.	LOCATION OF MINES— TOWN OR POSTOFFICE.	County.	NUMBER OF—			
			District.	Mines.	Men.	Tons.
67	Colfax.....	McLean.....	4	1	59	33,518
68	Collinsville.....	Madison.....	8	7	994	902,561
69	Collison.....	Vermilion.....	5	1	13	5,000
70	Colona.....	Henry.....	2	2	10	2,830
71	College Grove.....	Saline.....	10	3	7	2,300
72	Coulterville.....	Randolph.....	9	3	210	124,781
73	Crab Orchard.....	Williamson.....	10	2	8	2,440
74	Cuba.....	Fulton.....	4	10	648	340,012
75	Cutler.....	Perry.....	9	2	74	57,534
76	Danville.....	Vermilion.....	5	16	200	148,501
77	Dawson.....	Sangamon.....	5	1	128	76,681
78	Decatur.....	Macon.....	5	3	384	207,835
79	Deer Park.....	La Salle.....	1	1	16	5,456
80	De Soto.....	Jackson.....	10	3	79	50,600
81	Dewmaine.....	Williamson.....	10	1	350	213,826
82	Divernon.....	Sangamon.....	6	1	355	335,799
83	Donkville.....	Madison.....	8	1	358	440,613
84	Dubois.....	Washington.....	9	1	71	36,940
85	Dunfermline.....	Fulton.....	4	1	270	218,647
86	Duquoin.....	Perry.....	9	10	733	568,181
87	East Peoria.....	Peoria.....	3	4	63	18,669
88	Edinburg.....	Christian.....	7	1	15	2,800
89	Edwards.....	Peoria.....	3	4	115	38,084
90	Edwardsville.....	Madison.....	8	3	108	81,644
91	Eldorado.....	Saline.....	10	4	543	357,126
92	Ellisville.....	Fulton.....	4	2	55	22,563
93	Elmwood.....	Peoria.....	3	1	4	480
94	Equality.....	Gallatin.....	10	5	103	73,546
95	Etherley.....	Knox.....	2	4	10	2,450
96	Exeter.....	Scott.....	7	1	5	700
97	Fairbury.....	Livingston.....	3	2	53	32,228
98	Fairmount.....	Vermilion.....	5	3	25	10,116
99	Fairview.....	Fulton.....	4	10	22	7,750
100	Fancy Prairie.....	Menard.....	6	1	9	8,100
101	Farmersville.....	Montgomery.....	7	1	11	1,200
102	Farmington.....	Fulton.....	4	7	695	509,678
103	Fiatt.....	do.....	4	1	2	640

Table 24—Continued.

No.	LOCATION OF MINES— TOWN OR POSTOFFICE.	County.	NUMBER OF—			
			District.	Mines.	Men.	Tons.
104	Findley.....	Shelby.....	7	1	17	1,740
105	Frederick.....	Schuyler.....	6	1	6	922
106	Freeburg.....	St. Clair.....	8	6	241	194,698
107	French Village.....	do.....	8	1	4	2,744
108	Fosterburg.....	Madison.....	8	2	10	1,065
109	Galatia.....	Saline.....	10	1	113	13,273
110	Galesburg.....	Knox.....	2	1	13	4,090
111	Galva.....	Henry.....	2	2	48	17,957
112	Georgetown.....	Vermilion.....	5	2	440	338,137
113	Germantown.....	Clinton.....	9	1	58	26,602
114	Gibson.....	Gallatin.....	10	1	1	36
115	Gilchrist.....	Mercer.....	2	1	240	147,403
116	Gillespie.....	Macoupin.....	7	3	1,095	1,114,148
117	Girard.....	do.....	7	1	265	110,898
118	Glasford.....	Fulton.....	4	1	2	800
119	Glen Carbon.....	Madison.....	8	2	514	434,880
120	Golden Eagle.....	Calhoun.....	7	1	22	2,407
121	Granville.....	Putman.....	3	2	724	403,136
122	Grape Creek.....	Vermilion.....	5	5	39	18,386
123	Grayson.....	Saline.....	10	1	57	58,437
124	Greenfield.....	Greene.....	7	1	7	1,600
125	Greenridge.....	Macoupin.....	7	1	191	164,897
126	Greenview.....	Menard.....	6	1	40	16,082
127	Hallidayboro.....	Jackson.....	10	1	270	194,943
128	Hampton.....	Rock Island.....	2	1	2	317
129	Hanna City.....	Peoria.....	3	5	72	31,186
130	Harrisburg.....	Saline.....	10	11	2,025	1,624,663
131	Herrin.....	Williamson.....	10	10	1,980	1,808,323
132	Hillery.....	Vermilion.....	5	1	121	73,721
133	Hillsboro.....	Montgomery.....	7	2	342	437,957
134	Himrod.....	Vermilion.....	5	1	515	148,833
135	Industry.....	McDonough.....	4	3	13	1,208
136	Ipava.....	Fulton.....	4	2	6	3,286
137	Johnston City.....	Williamson.....	10	6	924	694,735
138	Junction.....	Gallatin.....	10	3	7	1,740
139	Kangley.....	La Salle.....	1	3	244	100,449
140	Kewanee.....	Henry.....	2	20	276	115,705



Table 24—Continued.

No.	LOCATION OF MINES— TOWN OR POSTOFFICE.	County.	NUMBER OF—			
			District.	Mines.	Men.	Tons.
141	Kingston.....	Peoria.....	3	2	40	30,400
142	Knoxville.....	Knox.....	2	4	15	2,594
143	Ladd.....	Bureau.....	2	1	578	229,816
144	La Salle.....	La Salle.....	1	6	1,641	746,418
145	Laura.....	Peoria.....	3	2	5	792
146	Lebanon.....	St. Clair.....	8	1	11	4,520
147	Ledford.....	Saline.....	10	2	443	260,144
148	Lenzburg.....	St. Clair.....	8	1	63	37,312
149	Lewiston.....	Fulton.....	4	10	39	10,331
150	Lincoln.....	Logan.....	6	3	727	417,558
151	Litchfield.....	Montgomery.....	7	1	138	50,019
152	Littleton.....	Schuyler.....	6	3	9	1,476
153	Livingston.....	Madison.....	8	1	474	530,159
154	Lowell.....	La Salle.....	1	6	20	3,292
155	Macomb.....	McDonough.....	4	2	7	1,260
156	Mapleton.....	Peoria.....	3	10	133	40,018
157	Marietta.....	Fulton.....	4	2	9	1,440
158	Marion.....	Williamson.....	10	12	1,202	1,061,719
159	Marissa.....	St. Clair.....	8	9	487	348,213
160	Marquette.....	Bureau.....	2	1	480	123,807
161	Marseilles.....	La Salle.....	1	2	102	30,081
162	Maryville.....	Madison.....	8	1	424	351,995
163	Mascoutah.....	St. Clair.....	8	6	283	234,372
164	Mayton.....	Fulton.....	4	1	50	19,355
165	Mechanicsburg.....	Sangamon.....	6	1	43	21,324
166	Middlegrove.....	Fulton.....	4	3	6	1,228
167	Middletown.....	Logan.....	6	1	121	87,816
168	Millersburg.....	Mercer.....	2	1	2	75
169	Millstadt.....	St. Clair.....	8	4	28	10,122
170	Mineral.....	Bureau.....	2	2	14	3,500
171	Minonk.....	Woodford.....	3	1	185	62,737
172	Mode.....	Shelby.....	7	1	3	400
173	Moline.....	Rock Island.....	2	5	17	3,920
174	Monica.....	Peoria.....	3	1	3	360
175	Monmouth.....	Warren.....	2	4	19	2,730
176	Moro.....	Madison.....	8	2	10	1,936
177	Morris.....	Grundy.....	1	10	90	21,558

Table 24—Continued.

No.	LOCATION OF MINES— TOWN OR POSTOFFICE.	County.	NUMBER OF—			
			District.	Mines.	Men.	Tons.
178	Mt. Olive.....	Macoupin.....	7	4	1,017	834,460
179	Mt. Pulaski.....	Logan.....	6	1	34	12,452
180	Mt. Sterling.....	Brown.....	6	2	3	400
181	Mt. Vernon.....	Jefferson.....	9	1	47	25,000
182	Moweaqua.....	Shelby.....	7	1	104	63,840
183	Muncie.....	Vermilion.....	5	1	26	17,649
184	Murphysboro.....	Jackson.....	10	8	767	370,895
185	Murrayville.....	Morgan.....	7	2	9	7,050
186	Nashville.....	Washington.....	9	1	55	38,608
187	New Athens.....	St. Clair.....	8	1	7	10,659
188	New Baden.....	St. Clair.....	8	1	415	333,912
189	New Burnside.....	Johnson.....	10	2	8	2,896
190	New Windsor.....	Mercer.....	2	2	7	1,115
191	Niantic.....	Macon.....	5	1	59	29,801
192	Nilwood.....	Macoupin.....	7	1	125	65,947
193	Nokomis.....	Montgomery.....	7	1	77	42,044
194	Norris.....	Fulton.....	4	1	187	137,544
195	Norris City.....	White.....	9	1	36	19,480
196	North Alton.....	Madison.....	8	3	13	2,361
197	Oak Hill.....	Peoria.....	3	6	15	1,320
198	Oakwood.....	Vermilion.....	5	3	189	145,768
199	Odin.....	Marion.....	9	1	256	190,642
200	O'Fallon.....	St. Clair.....	8	5	512	472,358
201	Oglesby.....	La Salle.....	1	1	394	202,781
202	Oneida.....	Knox.....	2	4	15	3,982
203	Opdyke.....	Jefferson.....	9	1	3	45
204	Oraville.....	Jackson.....	10	1	2	400
205	Ottawa.....	La Salle.....	1	6	20	3,550
206	Pana.....	Christian.....	7	4	934	660,000
207	Panama.....	Montgomery.....	7	1	375	293,127
208	Paris.....	Edgar.....	5	1	5	4,971
209	Parrville.....	Fulton.....	4	2	22	8,212
210	Pawnee.....	Sangamon.....	6	1	352	296,527
211	Pekin.....	Tazewell.....	4	4	429	221,627
212	Peoria.....	Peoria.....	3	26	1,106	878,015
213	Percy.....	Randolph.....	9	1	214	216,701
214	Peru.....	La Salle.....	1	2	323	124,957

Table 24—Continued.

No.	LOCATION OF MINES— TOWN OR POSTOFFICE.	County.	NUMBER OF—			
			District.	Mines.	Men.	Tons.
215	Petersburg.....	Menard.....	6	4	96	61,458
216	Pierce.....	Franklin.....	9	1	112	56,823
217	Pinckneyville.....	Perry.....	9	5	174	149,601
218	Pleasant Plains.....	Sangamon.....	6	1	5	430
219	Pleasant View.....	Schuyler.....	6	4	14	1,400
220	Pocahontas.....	Bond.....	8	1	78	55,161
221	Pontiac.....	Livingston.....	3	1	30	25,032
222	Pottstown.....	Peoria.....	3	3	15	5,405
223	Prairietown.....	Madison.....	8	1	4	1,215
224	Preemption.....	Mercer.....	2	2	19	7,400
225	Princeton.....	Bureau.....	2	2	10	2,610
226	Princeville.....	Peoria.....	3	2	13	4,762
227	Rapatee.....	Knox.....	2	3	10	4,360
228	Ray.....	Schuyler.....	6	1	4	600
229	Raymond.....	Montgomery.....	7	1	6	500
230	Rentchler.....	St. Clair.....	8	2	128	41,174
231	Richland.....	do.....	8	1	32	17,825
232	Riverton.....	Sangamon.....	6	2	457	342,506
233	Roodhouse.....	Greene.....	7	1	6	1,080
234	Roseville.....	Warren.....	2	3	11	1,588
235	Rushville.....	Schuyler.....	6	4	16	7,437
236	Rutland.....	La Salle.....	1	1	130	49,572
237	St. David.....	Fulton.....	4	5	460	246,074
238	Salisbury.....	Sangamon.....	6	1	8	1,780
239	Sandoval.....	Marion.....	9	1	95	42,400
240	Sawyer ville.....	Macoupin.....	7	1	553	554,923
241	Selbytown.....	Sangamon.....	6	1	105	24,305
242	Sesser.....	Franklin.....	9	1	134	111,532
243	Sheffield.....	Bureau.....	2	4	38	15,840
244	Shelbyville.....	Shelby.....	7	5	57	4,943
245	Sherman.....	Sangamon.....	6	1	301	302,305
[246	Sherrard.....	Mercer.....	2	1	291	217,280
247	Smithboro.....	Bond.....	8	1	12	2,128
248	Soperville.....	Knox.....	2	1	15	6,000
249	Sorento.....	Bond.....	8	1	160	46,229
250	South Wilmington.....	Grundy.....	1	2	803	424,333
251	Sparland.....	Marshall.....	2	9	101	34,164

Table 24—Continued.

No.	LOCATION OF MINES— TOWN OR POSTOFFICE.	County.	NUMBER OF—			
			District.	Mines.	Men.	Tons.
252	Sparta.....	Randolph.....	9	8	374	303,923
253	Spaulding.....	Sangamon.....	6	1	152	99,826
254	Springfield.....	Sangamon.....	6	21	3,660	2,711,338
255	Spring Valley.....	Bureau.....	2	5	2,876	1,017,773
256	Staunton.....	Macoupin.....	7	6	1,339	1,250,354
257	Stonefort.....	Saline.....	10	2	8	4,775
258	Stonington.....	Christian.....	7	1	145	142,894
259	Streator.....	La Salle.....	1	13	909	388,176
260	Sunfield.....	Perry.....	9	1	51	26,316
261	Sunny Hill.....	Rock Island.....	2	1	5	1,940
262	Swan Creek.....	Warren.....	2	1	1	80
263	Sweetwater.....	Menard.....	6	1	9	3,300
264	Table Grove.....	Fulton.....	4	1	3	500
265	Tallula.....	Menard.....	6	3	61	35,086
266	Tamaroa.....	Perry.....	9	1	88	37,283
267	Taylorville.....	Christian.....	7	2	584	531,219
268	Tennessee.....	McDonough.....	4	1	6	320
269	Thayer.....	Saugamon.....	6	1	382	368,548
270	Tice.....	Menard.....	6	1	67	34,212
271	Tilden.....	Randolph.....	9	3	230	184,829
273	Toluca.....	Marshall.....	2	1	627	284,839
273	Torino.....	Will.....	1	1	187	67,418
274	Tower Hill.....	Shelby.....	7	1	166	94,366
275	Trenton.....	Clinton.....	9	1	253	127,369
276	Troy.....	Madison.....	8	2	413	271,542
277	Upper Alton.....	do.....	8	1	3	140
278	Vandercook.....	Vermilion.....	5	1	65	42,205
279	Vergennes.....	Jackson.....	10	2	8	2,541
280	Vermont.....	Fulton.....	4	2	15	2,107
281	Victoria.....	Knox.....	2	7	21	4,144
282	Viola.....	Mercer.....	2	3	17	6,429
283	Virden.....	Macoupin.....	7	3	886	589,939
284	Wataga.....	Knox.....	2	4	32	10,462
285	Wenona.....	Marshall.....	2	1	235	104,176
286	West Frankfort.....	Franklin.....	9	2	266	289,700
287	Westville.....	Vermilion.....	5	6	2,191	1,695,414
288	White Hall.....	Greene.....	7	2	22	12,884
289	Wilderman.....	St. Clair.....	8	1	73	48,457

Table 24—Concluded.

No.	LOCATION OF MINES— TOWN OR POSTOFFICE.	County.	NUMBER OF—			
			District.	Mines.	Men.	Tons.
290	Williamson.....	Madison.....	8	1	387	417,528
291	Willisville.....	Perry.....	9	3	345	268,947
292	Wilsman.....	La Salle.....	1	1	3	500
293	Winchester.....	Scott.....	7	6	62	8,926
294	Winkle.....	Perry.....	9	1	83	52,703
295	Witt.....	Montgomery..	7	2	485	422,433
296	Worden.....	Madison.....	8	1	175	131,988
297	Wyoming.....	Stark.....	3	7	58	21,094
298	Yates City.....	Knox.....	2	1	8	3,460
299	Youngstown.....	Warren.....	2	2	4	624
300	Zeigler.....	Franklin.....	9	1	562	522,722
	The State.....			922	70,841	49,272,452

## GRADED OUTPUT.

Table 25 presents, by districts, the total output, and the several grades of coal of the shipping mines, the aggregate of the local mines is added and gives the totals of the different grades of the entire output for the year.

TABLE 25—Output of Shipping and Local Mines of the State, with Tons of the Different Grades of Coal, by Districts, 1908.

DISTRICTS.	Total output— tons.	TONS OF THE DIFFERENT GRADES OF COAL—					
		Mine. run.	Lump.	Egg.	Nut.	Pea or screen'gs.	Slack or waste.
First.....	2,768,645	313,378	1,542,632	203,382	44,437	603,900	60,507
Second.....	2,157,151	1,401,93	1,465,854	100,536	1,831	380,381	68,356
Third.....	2,130,461	524,601	1,063,864	53,050	83,584	369,697	35,665
Fourth.....	2,411,554	321,316	1,021,971	365,521	98,400	555,764	48,582
Fifth.....	2,705,468	1,239,043	817,449	13,662	153,020	459,149	23,145
Sixth.....	5,840,028	1,420,783	2,475,001	292,746	229,469	1,267,289	154,740
Seventh.....	7,173,183	1,357,124	3,652,736	165,329	117,712	1,464,632	415,650
Eighth.....	7,930,813	1,318,495	4,066,879	260,606	277,264	1,699,077	308,492
Ninth.....	6,242,678	1,789,767	2,006,993	512,018	508,070	1,140,315	285,515
Tenth.....	8,449,749	1,942,578	2,557,871	626,736	1,250,428	1,623,542	448,594
Shipping mines.....	47,809,730	10,367,687	20,671,250	2,593,586	2,764,215	9,563,746	1,849,246
Local mines.....	1,462,722	856,853	495,313	750	23,905	77,168	8,733
Totals.....	49,272,452	11,224,540	21,166,563	2,594,336	2,788,120	9,640,914	1,857,997

Table 26 gives the percentages of the several grades, drawn from table 25. The first, second, seventh and eighth districts each show over fifty per cent classed as lump coal.

Mine run and lump coal of the shipping mines represent 64.9 per cent of the total product, last year these grades stood for 66.7 per cent.

TABLE 26—*Percentages of Total Output of the Different Grades of Coal, Shipping and Local Mines, by Districts.*

DISTRICTS.	Per cent of total output.	PERCENTAGES OF THE DIFFERENT GRADES OF COAL.					
		Mine run.	Lump.	Egg.	Nut.	Pea or scree'gs.	Slack or waste.
First.....	5.79	11.33	53.71	8.34	1.60	22.80	2.22
Second.....	4.52	6.50	67.95	4.66	.09	17.63	3.17
Third.....	4.46	24.62	49.94	2.49	3.93	17.35	1.67
Fourth.....	5.05	13.32	42.38	15.16	4.08	23.05	2.01
Fifth.....	5.64	45.80	30.21	.50	5.66	16.97	.86
Sixth.....	12.22	24.33	42.38	5.01	3.93	21.70	2.65
Seventh.....	15.01	18.90	50.92	2.31	1.65	20.42	5.80
Eighth.....	16.59	16.63	51.29	3.28	3.50	21.42	3.88
Ninth.....	13.06	28.67	32.12	8.22	8.14	18.27	4.58
Tenth.....	17.66	22.99	30.26	7.42	14.80	19.22	5.31
Shipping mines.....	100.00	21.69	43.24	5.42	5.78	20.00	3.87
Local mines.....	100.00	58.58	33.86	.05	1.63	5.28	.60

Table 27 gives the total tons of all mines, with the tonnage of the different grades for a series of nine years. These totals are supplemented in the same table by the percentages of each grade for the same years.

TABLE 27.—*Total Output of the Different Grades of Coal, all Mines, for Nine Years with Percentages.*

YEAR.	Total output tons.	TONS OF THE DIFFERENT GRADES OF COAL.					
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack or waste.
1900.....	25,153,929	5,554,417	13,927,899	495,637	1,323,582	2,811,520	1,040,874
1901.....	26,635,319	6,882,740	13,321,124	486,596	1,217,127	3,217,127	1,060,141
1902.....	30,021,300	6,986,204	15,041,673	680,985	1,586,456	4,604,232	1,121,750
1903.....	34,955,400	10,373,098	15,874,509	995,163	1,755,704	4,540,431	1,416,495
1904.....	37,077,897	10,627,904	16,888,010	1,014,700	1,602,383	5,751,570	1,193,330
1905.....	37,183,374	9,248,558	16,819,321	1,716,219	2,036,152	6,247,511	1,115,613
1906.....	38,317,581	9,777,905	16,878,088	1,850,427	1,931,988	6,622,087	1,257,086
1907.....	47,798,621	11,628,302	20,599,509	2,469,442	2,625,306	9,138,044	1,338,018
1908.....	49,272,452	11,224,540	21,166,563	2,594,336	2,788,120	9,640,914	1,857,979
Percentages—							
1900.....		22.08	55.37	1.97	5.26	11.18	4.14
1901.....		25.84	50.01	1.83	4.57	13.77	3.98
1902.....		23.27	50.10	2.27	5.28	15.34	3.74
1903.....		29.70	45.41	2.84	5.02	12.98	4.05
1904.....		28.66	45.55	2.74	4.32	15.51	3.23
1905.....		24.87	45.23	4.62	5.48	16.80	3.00
1906.....		25.52	44.04	4.83	5.04	17.23	3.28
1907.....		24.33	43.09	5.17	5.49	19.12	2.80
1908.....		22.78	42.96	5.27	5.66	19.57	3.76

## MINES, MEN AND TONS.

Table 28 is the record of the number of counties producing coal, and all mines, men and tons for twenty-seven years. The tonnage is shown in lump and other grades, with the percentages of each for the past nineteen years. This year shows an increase in tonnage of over 110 per cent, compared with that of ten years ago. The tonnage of lump coal reported shows a slight decline during the past five years, and a corresponding increase of other grades.

TABLE 28—*Output of the State for 27 Years and the Mines and Men Producing the Same.*

YEAR.	NUMBER OF—				TONS OF—		PERCENTAGE OF—	
	Counties.	Mines.	Men.	Tons.	Lump.	Other grades.	Lump.	Other grades.
1882.....	43	704	20,290	11,017,069	9,115,653	1,901,506	.....	.....
1883.....	47	639	23,939	12,123,456	10,030,991	2,092,465	.....	.....
1884.....	49	741	25,575	12,208,075	10,101,005	2,107,070	.....	.....
1885.....	50	778	25,946	11,834,459	9,791,874	2,402,585	.....	.....
1886.....	50	787	25,846	11,175,241	9,246,435	1,928,806	.....	.....
1887.....	49	801	26,804	12,423,066	10,278,890	2,144,176	.....	.....
1888.....	50	822	29,410	14,328,181	11,855,188	2,472,993	.....	.....
1889.....	49	854	30,076	14,017,298	11,597,963	2,419,335	.....	.....
1890.....	57	936	28,574	15,274,727	12,638,364	2,636,363	82.74	17.26
1891.....	57	918	32,951	15,660,698	12,960,224	2,700,474	82.76	17.24
1892.....	55	839	33,632	17,862,276	14,730,963	3,131,313	82.47	17.53
1893.....	56	788	35,390	19,949,564	16,112,899	3,836,665	80.77	19.23
1894.....	56	836	38,477	17,113,576	13,865,284	3,248,292	81.02	18.98
1895.....	54	874	38,630	17,735,864	14,045,962	3,689,902	79.25	20.75
1896.....	51	901	37,057	19,786,626	14,210,024	5,576,602	71.86	28.14
1897.....	50	853	33,788	20,072,758	14,672,241	5,400,517	73.10	26.90
1898.....	52	881	35,026	18,599,299	14,208,795	4,390,504	76.39	23.61
1899.....	52	889	36,991	23,434,445	17,427,598	6,006,847	74.37	25.63
1900.....	52	920	39,384	25,153,929	13,927,899	11,226,030	44.63	55.37
1901.....	53	915	44,143	26,635,319	13,321,124	13,314,195	50.01	49.99
1902.....	54	915	46,005	30,021,300	15,041,673	14,979,627	50.10	49.90
1903.....	53	933	49,814	34,955,400	15,874,509	19,080,891	45.41	54.59
1904.....	54	932	54,774	37,077,897	16,888,010	20,189,887	45.55	54.45
1905.....	56	990	59,230	37,183,374	16,819,321	20,364,053	45.23	54.77
1906.....	54	1,018	62,283	38,317,581	16,878,088	21,439,493	44.05	55.95
1907.....	55	933	66,714	47,798,621	20,599,509	27,199,112	43.10	56.90
1908.....	54	922	70,841	49,272,452	21,166,563	28,105,889	42.96	57.04



Table 29 shows the total number of men employed in producing the coal of the State for the past twenty-seven years, also the total tons of coal mined, with percentages of gain and loss during the series of years. Only four years show a decrease in the number of men employed, and five years in the number of tons produced.

TABLE 29—*Total Number of Men and Total Tons Produced with Percentages of Gain or Loss for Twenty-seven Years.*

YEAR.	Men.	Total output— tons.	PERCENTAGE OF MEN.		PERCENTAGE OF TONS.	
			Gain.	Loss.	Gain.	Loss.
1882.....	20,290	11,017,069				
1883.....	23,939	12,123,451	17.98		10.04	
1884.....	25,575	12,208,075	6.83		.70	
1885.....	25,946	11,834,459	1.35			3.06
1886.....	25,846	11,175,241		.39		5.57
1887.....	26,804	12,423,066	3.71		11.17	
1888.....	29,410	14,328,181	9.72		15.34	
1889.....	30,076	14,017,298	2.26			2.17
1890.....	28,574	15,274,727		4.99	8.97	
1891.....	32,951	15,660,698	15.32		3.53	
1892.....	33,632	17,862,276	2.07		14.06	
1893.....	35,390	19,949,564	5.23		11.69	
1894.....	38,477	17,113,576	8.72			14.22
1895.....	38,630	17,735,864	.40		3.64	
1896.....	37,057	19,786,626		4.07	11.56	
1897.....	33,788	20,072,758		8.82	1.45	
1898.....	35,026	18,599,299	3.66			.34
1899.....	36,991	23,434,445	5.61		26.00	
1900.....	39,384	25,153,929	6.47		7.34	
1901.....	44,143	26,635,319	12.08		5.89	
1902.....	46,005	30,021,300	4.22		12.71	
1903.....	49,814	34,955,400	8.28		16.44	
1904.....	54,774	37,077,897	9.96		6.07	
1905.....	59,230	37,183,374	8.14		.28	
1906.....	62,283	38,317,581	5.15		3.05	
1907.....	66,714	47,798,621	7.11		24.74	
1908.....	70,841	49,272,452	6.18		3.08	

## OUTPUT BY MONTHS—

Table 30 shows the tons of coal produced by shipping mines each five year this feature of the coal mining industry in the State, has been totals, by months, for the three years.

TABLE 30—*Total Output of Shipping Mines, Produced in Each Calendar*

COUNTIES. AND DISTRICTS.	Total tons.	1907—OUTPUT FOR THE MONTHS OF—					
		July.	August.	September.	October.	November.	December.
Grundy.....	1,146,924	102,875	115,802	103,574	124,357	111,356	106,650
Kankakee.....	17,801	1,584	1,759	1,378	1,508	1,988	1,600
LaSalle.....	1,447,406	107,299	127,187	129,782	153,110	145,012	146,844
Will.....	156,514	10,710	14,286	14,220	17,510	15,525	15,473
First District.....	2,768,645	222,468	259,034	248,954	296,485	273,881	270,567
Bureau.....	1,666,578	149,036	161,860	141,905	184,527	188,617	181,333
Henry.....	81,959	6,070	7,055	7,381	8,915	7,943	6,303
Mercer.....	394,353	31,061	36,789	37,782	44,015	42,941	37,259
Rock Island.....	14,261	497	1,230	1,239	1,486	1,692	1,656
Second District.....	2,157,151	186,664	206,934	188,307	238,943	241,193	226,551
Livingston.....	239,335	11,755	20,746	22,785	29,213	29,292	26,180
Peoria.....	922,120	66,169	80,731	86,975	112,958	102,821	92,665
Putnam.....	403,136	34,336	38,986	31,463	39,531	33,258	38,567
Marshall.....	402,730	38,894	43,569	39,006	42,526	40,445	38,747
Woodford.....	163,140	13,349	15,458	14,593	17,843	16,580	15,838
Third District.....	2,130,461	164,498	199,490	194,822	242,071	222,396	211,999
Fulton.....	2,081,055	58,319	180,747	177,347	220,541	229,148	213,561
Hancock.....	4,250	350	400	350	400	340	250
McDonough.....	11,864	1,436	1,531	1,466	2,115	1,586	1,084
McLean.....	122,416	7,382	11,166	7,278	17,133	13,563	10,323
Tazewell.....	191,969	15,512	16,718	13,708	17,608	17,387	20,474
Fourth District.....	2,411,554	182,999	210,562	200,149	261,397	258,424	245,692
Macon.....	237,636	10,248	17,578	24,795	30,950	30,591	25,103
Vermilion.....	2,467,832	218,132	242,473	226,491	267,946	193,357	246,263
Fifth District.....	2,705,468	228,380	260,051	251,286	298,896	224,948	271,366

SHIPPING MINES.

month, in every county, during the fiscal year. This is the third succe-  
 presented in these reports. The last three lines of the table give the

*Month, by Counties and Districts, from July 1, 1907, to June 30, 1908.*

1908—OUTPUT FOR THE MONTHS OF—						COUNTIES AND DISTRICTS.
January	February	March.	April.	May.	June.	
112,531	108,146	125,194	.....	48,480	87,959	Grundy.....
1,511	2,489	2,671	.....	549	764	Kankakee.....
155,028	161,379	164,280	4,811	56,654	96,020	LaSalle.....
18,314	15,468	18,677	.....	5,202	11,129	Will.....
287,384	287,482	310,822	4,811	110,885	195,872	First District.....
161,051	179,705	206,282	247	29,993	82,022	Bureau.....
6,072	8,262	8,512	6,106	5,297	4,043	Henry.....
37,695	36,229	43,749	164	14,315	32,354	Mercer.....
1,724	1,468	1,933	.....	666	670	Rock Island.....
206,542	225,664	260,476	6,517	50,271	119,089	Second District.....
24,343	25,789	23,274	1,846	5,522	18,590	Livingston.....
86,427	84,671	108,490	10,433	30,403	59,377	Peoria.....
41,680	30,592	46,518	9,000	14,284	44,921	Putnam.....
41,333	40,498	43,471	570	7,883	25,783	Marshall.....
15,031	15,575	21,093	.....	7,266	10,519	Woodford.....
208,814	197,125	242,846	21,849	65,363	159,190	Third District.....
208,641	201,821	265,639	2,240	68,756	154,296	Fulton.....
300	400	365	365	365	365	Hancock.....
1,674	972	.....	.....	.....	.....	McDonough.....
13,447	14,842	14,426	2,498	4,467	5,891	McLean.....
24,232	22,626	22,632	4,478	6,769	9,855	Tazewell.....
248,294	240,661	303,032	9,581	80,357	170,407	Fourth District.....
27,604	28,705	25,830	3,591	5,245	7,396	Macon.....
237,999	240,219	300,568	1,379	121,892	170,113	Vermilion.....
265,603	268,924	326,398	4,970	127,137	177,509	Fifth District.....

Table 30—

COUNTIES AND DISTRICTS.	Total tons.	1907—OUTPUT FOR THE MONTHS OF—					
		July.	August.	September	October.	November.	December.
Logan.....	430,010	21,480	31,553	44,333	64,030	58,715	38,294
Menard.....	370,684	24,494	23,409	29,932	49,071	47,969	39,204
Sangamon.....	5,039,334	308,516	392,698	445,977	577,950	616,683	515,420
Sixth District.....	5,840,028	354,490	447,660	519,242	691,051	723,367	592,918
Christian.....	1,423,323	83,619	99,831	137,427	176,361	161,005	142,776
Macoupin.....	4,210,986	351,939	381,520	357,470	413,110	422,451	412,599
Montgomery.....	1,350,668	90,988	92,521	119,553	134,691	150,370	139,151
Shelby.....	158,206	8,311	10,012	13,610	17,083	16,938	16,599
Seventh District.....	7,173,183	434,847	583,884	628,060	741,245	750,704	811,125
Bond.....	103,518	11,638	12,573	11,009	18,496	14,920	6,601
Madison.....	3,547,083	237,646	313,308	360,403	422,323	385,447	323,438
St. Clair.....	4,280,212	295,838	323,803	419,225	527,555	519,136	424,358
Eighth District.....	7,930,813	545,112	649,684	790,637	968,374	919,503	754,497
Clinton.....	1,152,670	93,239	110,574	107,871	135,287	131,338	124,563
Franklin.....	1,678,195	120,101	115,543	101,653	154,482	147,185	149,866
Marion.....	954,925	81,047	84,327	76,023	93,018	84,085	86,129
Perry.....	1,605,125	140,173	143,889	144,239	179,678	160,109	161,394
Randolph.....	756,735	65,435	65,519	68,463	83,320	84,727	74,292
Washington.....	75,548	4,902	4,992	8,133	11,085	11,444	8,189
White.....	19,480	992	1,327	2,205	3,020	2,304	2,112
Ninth District.....	6,242,678	505,889	526,171	508,587	659,890	621,192	606,545
Gallatin.....	52,544	4,776	4,776	4,776	4,776	4,776	4,784
Jackson.....	616,238	62,824	66,669	54,943	66,381	61,028	66,240
Saline.....	2,465,602	179,140	199,943	192,090	228,537	239,705	239,757
Williamson.....	5,315,365	472,676	497,686	440,764	580,968	556,629	535,038
Tenth District.....	8,449,749	719,416	769,074	692,573	880,662	862,138	845,819
The State.....	47,809,730	3,544,763	4,112,544	4,222,617	5,279,014	5,097,806	4,837,077
The State 1907.....	46,436,839	2,884,310	3,244,518	3,478,829	4,282,628	4,343,762	4,613,382
The State 1906.....	37,096,945	1,891,717	2,840,419	3,117,045	3,578,312	3,880,503	4,178,029

Concluded.

1908—OUTPUT FOR THE MONTHS OF—						COUNTIES AND DISTRICTS.
January.	February.	March.	April.	May.	June.	
35,983	41,509	60,236	227	9,059	23,591	Logan.....
40,254	43,801	40,988	6,056	15,175	12,331	Menard.....
448,729	489,770	711,922	5,044	208,832	317,793	Sangamon.....
524,966	575,080	813,146	11,327	233,066	353,715	Sixth District.....
122,359	139,097	205,119	.....	60,841	94,888	Christian.....
371,321	410,656	554,227	640	179,422	355,641	Macoupin.....
133,254	152,460	175,991	.....	88,685	103,004	Montgomery.....
14,945	15,576	19,538	.....	8,149	17,445	Shelby.....
641,879	717,789	954,875	640	337,097	570,978	Seventh District.....
6,734	4,875	8,122	564	3,305	4,582	Bond.....
317,303	338,896	439,260	2,436	162,974	243,648	Madison.....
379,862	356,517	560,884	22,148	182,522	268,374	St. Clair.....
703,899	700,288	1,008,266	25,148	348,801	516,604	Eighth District.....
121,346	99,679	148,458	.....	20,682	59,633	Clinton.....
137,631	184,054	222,370	52,020	118,960	174,330	Franklin.....
98,606	93,575	106,294	3,205	59,522	89,094	Marion.....
143,540	129,767	210,083	.....	71,777	120,476	Perry.....
71,447	59,454	97,697	.....	37,045	49,336	Randolph.....
5,613	7,521	9,687	.....	1,901	2,081	Washington.....
1,912	1,756	1,917	.....	627	1,308	White.....
580,095	575,806	796,506	55,225	310,514	496,258	Ninth District.....
4,776	4,776	4,776	.....	4,776	4,776	Gallatin.....
46,968	52,040	56,820	.....	31,416	50,789	Jackson.....
216,586	208,717	323,911	572	151,359	285,304	Saline.....
472,476	512,174	653,320	.....	230,812	362,923	Williamson.....
740,806	777,707	1,038,827	572	418,363	703,792	Tenth District.....
4,408,282	4,566,526	6,055,194	140,640	2,081,853	3,463,414	The State 1908.....
4,852,163	4,254,985	3,731,138	3,572,474	3,784,770	3,393,880	The State 1907.....
4,288,706	4,336,350	5,378,459	392,382	659,019	2,556,004	The State 1906.....

Table 31 shows the percentages of coal produced in each district during each month of the fiscal year. At the foot of the table the percentages are shown for each month of the year, also for the two previous years. The largest monthly per cent of the output for this year was for March, and naturally so, as a suspension of operations April 1, was anticipated pending a new agreement between miners and operators.

Aside from the output in March, the highest per cent for the year was reached in October, followed closely by the output in November and December. These three months accounting for thirty-two per cent of the total output for this year.

TABLE 31—Percentages of the Total Output Mined in each Month by Districts.

DISTRICTS.	Total output reported by months.	PERCENTAGES OF THE TOTAL OUTPUT MINED IN EACH DISTRICT DURING THE MONTH OF—											
		1907.						1908.					
		July	August.	September.	October.	November.	December.	January.	February	March.	April.	May.	June.
First.....	2,768,645	8.03	9.32	8.98	10.71	9.86	9.47	10.38	10.37	11.23	0.17	4.40	7.08
Second.....	2,157,151	8.55	9.60	8.73	11.08	11.27	10.51	9.58	10.46	12.07	0.30	2.33	5.52
Third.....	2,130,461	7.80	9.40	9.14	11.32	10.43	9.95	9.80	9.25	11.35	1.02	3.07	7.47
Fourth.....	2,411,554	7.59	8.73	8.30	10.84	10.72	10.15	10.30	9.98	12.59	0.40	3.33	7.07
Fifth.....	2,705,468	8.44	9.61	9.29	11.05	8.31	10.05	9.81	9.94	12.06	0.18	4.70	6.56
Sixth.....	5,840,028	6.07	7.67	8.89	11.83	12.38	10.15	8.99	9.87	13.92	0.19	3.98	6.06
Seventh.....	7,173,183	6.06	8.14	8.76	10.33	10.40	11.31	8.95	10.01	13.31	0.09	4.70	7.94
Eighth.....	7,930,813	6.86	8.19	9.91	12.31	11.59	9.51	8.88	8.83	12.71	0.31	4.39	6.51
Ninth.....	6,242,678	8.10	8.48	8.11	10.57	9.95	9.72	9.29	9.22	12.76	0.88	4.97	7.95
Tenth.....	8,449,749	8.51	9.10	8.20	10.42	10.20	10.01	8.71	9.21	12.29	0.07	4.95	8.33
The State 1908.....	47,809,730	7.41	8.60	8.83	11.04	10.67	10.12	9.22	9.55	12.67	0.29	4.38	7.22
The State 1907.....	46,436,839	6.21	6.99	7.49	9.22	9.35	9.44	10.45	9.16	8.04	7.69	8.15	7.31
The State 1906.....	37,096,945	5.10	7.66	8.40	9.64	10.46	11.26	11.56	11.69	14.50	1.06	1.78	6.89

Table 32 gives, by districts, the tons of coal produced for the first and second six months for the present year with percentages, and at the bottom of the table, the same for the State for the year and the past two years. All of the districts show a much larger per cent of output for the first six months, the falling off in production for the second six months ranges from ten per cent in the ninth district to twenty per cent in the second, and for the State thirteen per cent.

TABLE 32—*Tons and Percentages of Output for the First and Second Six Months of the Fiscal Year, 1908.*

DISTRICTS.	OUTPUT SIX MONTHS JULY 1, TO DEC. 31.		OUTPUT SIX MONTHS JAN. 1, TO JUNE 30.	
	Tons.	Per cent.	Tons.	Per cent.
First.....	1,571,389	56.75	1,197,256	43.42
Second.....	1,288,592	59.73	868,595	40.27
Third.....	1,235,274	57.98	895,187	42.02
Fourth.....	1,359,223	56.51	1,052,331	43.49
Fifth.....	1,534,927	57.74	1,170,541	43.27
Sixth.....	3,328,728	57.00	2,511,300	43.00
Seventh.....	3,949,925	55.07	3,223,258	44.94
Eighth.....	4,627,807	58.36	3,303,006	41.65
Ninth.....	3,428,274	54.92	2,814,404	45.24
Tenth.....	4,769,282	56.45	3,680,027	43.55
The State 1908.....	27,093,821	56.67	20,715,909	43.33
The State 1907.....	22,847,429	49.20	23,589,410	50.80
The State 1906.....	19,486,025	52.53	17,610,920	47.47

## HAULAGE IN MINES.

Table 33 shows for the shipping mines, by districts, the different methods of delivering the coal to the bottom of the mines. The number of mines using motor haulage this year was eighty-eight, this is thirteen or 17.3 per cent more than last year, the number of motors in use was 185, this is fifty-six or 43.4 per cent more than last year. The power used in the 407 shipping mines for hauling the coal, and the tons hauled the past year was, by motors, 21.6 per cent of the mines and 39.8 per cent of the coal; by cable, 7.9 per cent of the mines and 6.8 per cent of the coal; by mules, 69.5 per cent of the mines and 53.3 per cent of the coal; by hand one per cent of the mines and one tenth of 1 per cent of the coal.

TABLE 33—*Haulage of Coal in the Shipping Mines of the State, by Districts—1908.*

DISTRICT.	MOTORS.		CABLE.		MULE.		HAND.		
	Number of mines.	Number	Kind.	Tons.	Number of mines.	Tons.	Number of mines.	Tons.	
First.....					2	261,879	27	2,506,766	
Second.....	1	2	Electric....	123,807	3	394,353	10	1,629,139	1
Third.....	5	11	do.....	565,787	3	205,889	18	1,358,785	
Fourth.....	5	8	do.....	859,282	7	594,311	22	939,135	3
Fifth.....	6	17	do.....	1,472,900	3	300,330	9	932,238	
Sixth.....	8	17	do.....	1,587,607	8	762,194	30	3,490,227	
Seventh.....	16	31	*Electric	3,808,044	1	264,499	20	3,100,640	
Eighth.....	13	20	Electric ..	2,969,646	1	42,510	61	4,918,657	
Ninth.....	18	48	†Electric...	3,799,767			38	2,442,911	
Tenth.....	16	31	Electric....	3,837,825	4	447,788	48	4,164,136	
The State 1908.....	88	185		19,024,665	32	3,273,753	283	25,482,634	4
The State 1907.....	75	129		16,542,575	25	2,864,241	303	26,689,533	5

\* Four compressed air.

† Three gasoline.



Table 34 gives a list of the mines and location by districts, in which motor haulage is employed, also the number and name of motors in use, and the tons hauled at each mine.

Of the eighty-eight mines in which motors have been installed 71.6 per cent are located in the seventh, eighth, ninth and tenth districts; of the 185 motors in use 130 or 70.3 per cent were employed in the same districts, and hauled 75.8 per cent of the coal. Table 35 presents the number and kind of motors in use. There are nine different styles of these machines. The number of motors in use this year was 185, this is fifty-six or 43.4 per cent more than last year; of the total number in use the past year 178 were electric, four condensed air and three gasoline.

TABLE 34—*Shipping Mines Using Motor Haulage, with Name and Number of Motors in Use, Kind in Use and Tons Hauled—1908.*

DISTRICT AND OPERATOR	Location.	MOTORS.		Tonnage.
		Name.	Kind.	
The State—88 mines.....	.....	185 motors.....	.....	19,024,665
Second District—1 mine.....	.....	2 motors.....	.....	123,807
1 Marquette 3d Vein Coal Co.....	Marquette.....	2 Goodman.....	Electric.....	123,807
Third District—5 mines.....	.....	11 motors.....	.....	565,787
1 Clarke Coal & Coke Co. No. 1.....	Peoria.....	2 Goodman.....	Electric.....	189,215
2 Clarke Coal & Coke Co. No. 2.....	do.....	3 Goodman.....	do.....	176,697
3 Wolschlag Coöperative Co.....	do.....	{ 1 Goodman..... 1 Jeffrey..... }	do.....	89,323
4 Scholl Bros. No. 3.....	do.....	3 Morgan-Gardner.....	do.....	83,341
5 Howard & Taylor.....	Edwards.....	1 Jeffrey.....	do.....	27,211
Fourth District—5 mines.....	.....	8 motors.....	.....	859,282
1 Big Creek Coal Co. No. 2.....	St. David.....	{ 1 Goodman..... 1 Jeffrey..... }	Electric.....	221,521
2 Big Creek Coal Co. No. 4.....	Dunfermline.....	1 Jeffrey.....	do.....	218,647
3 Monmouth Coal Co. No. 1.....	Brereton.....	1 Goodman.....	do.....	206,747
4 Maplewood Coal Co. No. 1.....	Farmington.....	2 Westinghouse.....	do.....	148,434
5 Newsam Bros.....	do.....	2 Goodman.....	do.....	63,933
Fifth District—6 mines.....	.....	17 motors.....	.....	1,472,900
1 Kelley Coal Co. No. 44.....	Westville.....	{ 2 General Electric.. 1 Goodman..... 1 Morgan-Gardner.. 3 Westinghouse..... }	Electric.....	430,626
2 Dering Coal Co. No. 2.....	do.....	{ 1 Morgan-Gardner.. 3 Westinghouse..... }	do.....	380,187
3 Dering Coal Co. No. 3.....	do.....	2 Morgan-Gardner.....	do.....	317,289
4 Kelley Coal Co. No. 42.....	do.....	3 Goodman.....	do.....	180,965
5 Kelley Coal Co. No. 46.....	Himrod.....	3 Goodman.....	do.....	148,833
6 Danville Colliery Co.....	Catlin.....	2 Brock & Brinkman 3rd rail.....	do.....	15,000

Table 34—Continued.

DISTRICT AND OPERATORS.	Location.	MOTORS.		Tonnage.
		Name.	Kind.	
Sixth District—8 mines.....		17 motors.....		1,587,607
1 Chic., Wil. & Ver.—C. Co. No. 1	Thayer.....	{ 2 Morgan-Gardner.. } { 2 Goodman..... }	Electric....	368,548
2 Madison Coal Corp.—No. 6.....	Divernon.....	2 Goodman.....	do.....	335,799
3 Springfield Collieries Co.....	Springfield.....	1 Jeffrey.....	do.....	257,174
4 Black Diamond Coal Co.....	Auburn.....	{ 2 Jeffrey..... } { 1 Goodman..... }	do.....	253,621
5 Barclay Coal Mining Co.....	Springfield.....	2 Morgan 3d rail.....	do.....	102,592
6 West End Coal Co.....	do.....	{ 1 Goodman..... } { 1 Jeffrey..... }	do.....	98,358
7 Athens Mining Co. No. 2.....	Athens.....	1 Goodman.....	do.....	86,178
8 Illinois Collieries Co.....	Springfield.....	2 Goodman.....	do.....	85,337
Seventh District—16 mines.....		31 motors.....		3,808,044
1 Superior Coal Co. No. 1.....	Gillespie.....	4 H. H. Porter.....	Cond. Air..	566,670
2 Superior Coal Co. No. 2.....	Sawyer ville.....	3 Jeffrey.....	Electric....	554,923
3 Superior Coal Co. No. 3.....	Gillespie.....	3 Jeffrey.....	do.....	509,927
4 Shoal Creek Coal Co. No. 1.....	Panama.....	1 Goodman.....	do.....	293,127
5 Springfield Coal Co. No. 6.....	Taylorville.....	2 Goodman.....	do.....	274,337
6 Illinois Collieries Co. No. 1.....	Vir den.....	2 General Electric.....	do.....	208,837
7 Consolidated Coal Co. No. 8.....	Mt. Olive.....	2 General Electric.....	do.....	199,222
8 Pana Coal Co. No. 1.....	Pana.....	2 Goodman.....	do.....	197,281
9 Pana Coal Co. No. 2.....	do.....	1 Goodman.....	do.....	193,628
10 Smith-Lohr Coal Co. No. 1.....	do.....	1 Jeffrey.....	do.....	142,283
11 Vivian Coal Co.....	Green Ridge.....	1 Morgan-Gardner.....	do.....	164,897
12 Consolidated Coal Co. No. 10.....	Mt. Olive.....	3 Goodman.....	do.....	132,116
13 Penwell Coal Mining Co.....	Pana.....	3 Goodman.....	do.....	126,808
14 Clover Leaf Coal Co. No. 2.....	Coffeen.....	1 Morgan-Gardner.....	do.....	90,902
15 Assumption Coal Co.....	Assumption.....	1 Goodman.....	do.....	89,210
16 Moweaqua Coal Co.....	Moweaqua.....	1 Goodman.....	do.....	63,840

Table 34—Continued.

	DISTRICT AND OPERATORS.	Location.	MOTORS.		Tonnage.
			Name.	Kind.	
	Eighth District—13 mines .....		20 motors .....		2,969,646
1	New Staunton Coal Co. ....	Livingston .....	2 Goodman .....	Electric .....	530,159
2	Donk Bros. Coal & C. Co. No. 1.	Donkville .....	2 Goodman .....	do .....	440,613
3	St. Louis & O'Fallon C. Co. No. 2	Belleville .....	2 Goodman .....	do .....	378,409
4	Donk Bros. Coal & C. Co. No. 2.	Maryville .....	2 General Electric .....	do .....	351,995
5	Mt. Olive & Staunton C. Co. No. 1	Staunton .....	2 Goodman .....	do .....	325,254
6	St. Louis & O'F. C. Co. No. 1 .....	Belleville .....	2 Goodman .....	do .....	278,817
7	Donk Bros. Coal & C. Co. No. 3.	Troy .....	2 Goodman .....	do .....	241,274
8	Jos. Taylor Coal Co., St. Ellans.	O'Fallon .....	1 Jeffrey .....	do .....	131,500
9	Jos. Taylor C. Co., Ridge Prairie	do .....	1 Jeffrey .....	do .....	118,700
10	International Coal & M. Co. ....	do .....	1 Jeffrey .....	do .....	65,906
11	Johnson Coal Co., O. K. ....	Marissa .....	1 Goodman .....	do .....	38,244
12	Bessemer Washed C. Co., Tirie.	Lenzburg .....	1 Goodman .....	do .....	37,312
13	Glendale C. & M. Co. ....	Belleville .....	1 Goodman .....	do .....	31,463
	Ninth District—18 mines .....		48 motors .....		3,799,767
1	Zeigler Coal Co. ....	Zeigler .....	{ 4 Jeffrey .....	Electric .....	522,722
			{ 11 Westinghouse .....		
2	Southern Coal Co. No. 9 .....	New Baden .....	2 Goodman .....	do .....	333,912
3	Centralia Coal Co. No. 2 .....	Centralia .....	2 Jeffrey .....	do .....	288,753
4	Centralia Coal Co. No. 4 .....	do .....	3 Goodman .....	do .....	252,659
5	Dering Coal Co. No. 11 .....	W. Frankfort .....	2 Morgan-Gardner .....	do .....	251,400
6	Majestic Coal Co. No. 1 .....	Clinch .....	3 Ellison .....	Gasoline .....	245,513
7	Breese-Trenton M. Co. No. 1 .....	Breese .....	2 Jeffrey .....	Electric .....	238,246
8	Willis Coal & M. Co. No. 6 .....	Percy .....	1 Goodman .....	do .....	216,701
9	Paradise Coal & Coke Co. No. 1.	Duquoin .....	2 Goodman .....	do .....	200,000
10	Odin Coal Co. No. 1 .....	Odin .....	do .....	do .....	190,642
11	Centralia Coal Co. No. 3 .....	Centralia .....	2 Goodman .....	do .....	180,471
12	United Coal Co. ....	Christopher .....	2 Goodman .....	do .....	175,113
13	Willis Coal & Mining Co. No. 1.	Willisville .....	3 Goodman .....	do .....	166,070
14	Zeigler District Coal Co. ....	Christopher .....	2 Morgan-Gardner .....	do .....	156,510
15	Trenton Mining Co. ....	Trenton .....	1 Goodman .....	do .....	127,369
16	Missouri & Ill. Coal Co. No. 1 .....	Willisville .....	1 Goodman .....	do .....	100,929
17	Brilliant Coal & Coke Co. ....	Duquoin .....	1 Goodman .....	do .....	94,515
18	Consolidated Coal Co. ....	Breese .....	2 General Electric .....	do .....	58,242

Table 34—Concluded.

DISTRICT AND OPERATOR.	Location.	MOTORS.		Tonnage.
		Name.	Kind.	
Tenth District—16 mines.....	.....	31 motors.....	.....	3,837,825
1 Big Muddy Coal & I. Co. No. 8.	Clifford.....	2 Jeffrey.....	Electric....	413,709
2 Big Muddy Coal & I. Co. No. 7.	Herrin.....	2 Jeffrey.....	..do.....	412,495
3 Chicago & Carterville C. Co., A.	..do.....	3 Goodman.....	..do.....	409,147
4 Sunnyside Coal Co. No. 1.....	..do.....	3 Goodman.....	..do.....	397,525
5 Peabody Coal Co. No. 3.....	Marion.....	2 Goodman.....	..do.....	352,475
6 O'Gara Coal Co. No. 9.....	Harrisburg.....	2 Morgan-Gardner.....	..do.....	277,409
7 Chicago & B. M. C. & C. Co.....	Marion.....	1 Jeffrey.....	..do.....	250,858
8 Western Coal & M. Co. No. 1.....	Bush.....	3 General Electric.....	..do.....	238,619
9 Madison Coal Corporation No. 8.	Dewmain.....	2 Westinghouse.....	..do.....	213,826
10 O'Gara Coal Co. No. 4.....	Harrisburg.....	2 Morgan-Gardner.....	..do.....	193,664
11 O'Gara Coal Co. No. 16.....	Eldorado.....	1 Morgan-Gardner.....	..do.....	161,783
12 Peabody Coal Co. No. 2.....	Marion.....	2 Goodman.....	..do.....	137,230
13 O'Gara C. Co., No. 8.....	Eldorado.....	1 Morgan-Gardner.....	..do.....	125,678
14 B. M. C. & I. Co., Harrison.....	Murphysboro..	2 Goodman.....	..do.....	109,176
15 Chicago-Herrin C. Co. No. 1.....	Herrin.....	1 Jeffrey.....	..do.....	85,471
16 B. M. C. & I. Co. No. 9.....	Murphysboro..	2 Goodman.....	..do.....	58,760

TABLE 35—Name and Number of Motors in Use, by Districts—1908.

DISTRICTS.	Brock and Brinckman.	Ellison.	General electric.	Goodman.	Jeffrey.	Morgan 3d rail.	Morgan-Gardner.	Porter, H. H.	Westinghouse.	Total.
Second.....				2						2
Third.....				6	2		3			11
Fourth.....				4	2				2	8
Fifth.....	2		2	7			3		3	17
Sixth.....				9	4	2	2			17
Seventh.....			4	14	7		2	4		31
Eighth.....			2	15	3					20
Ninth.....		3	2	20	8		4		11	48
Tenth.....			3	14	6		6		2	31
The State.....	2	3	13	91	32	2	20	4	18	185
1907.....			3	69	27	3	9	1	17	129

## COUNTIES OF

Table 36 shows a list of counties, each of which has produced annually, holds first place with 5,367,140 tons output for the year, it held first rank the same as for the past two years; previous to 1906 this county ranked have appeared in this classification. Eight of them show an output this ties is ninety-three per cent of the total production of the State.

TABLE CF—*Relative Rank of Counties Producing 500,000*

County.	Rank.	Tonnage 1908	Rank.	Tonnage 1907	Rank.	Tonnage 1906	Rank.	Tonnage 1905	Rank.	Tonnage 1904
Williamson.....	1	5,367,140	1	5,266,452	3	3,927,189	2	3,815,751	4	3,038,466
Sangamon.....	2	5,082,626	2	4,876,621	2	4,155,431	1	4,395,050	1	4,516,385
St. Clair.....	3	4,413,639	3	4,435,070	1	4,168,019	3	3,398,032	2	3,418,479
Macoupin.....	4	4,224,865	4	4,227,267	4	3,241,087	6	2,530,840	6	2,221,474
Madison.....	5	3,584,106	5	3,573,163	5	3,031,553	4	2,987,906	5	3,030,892
Vermilion.....	6	2,659,762	6	3,019,934	6	2,012,835	5	2,618,375	3	3,114,060
Saline.....	7	2,482,677	10	1,711,825	18	601,979	.....	.....	.....	.....
Fulton.....	8	2,141,489	7	1,993,401	8	1,593,793	9	1,439,489	10	1,284,279
Bureau.....	9	1,688,528	8	1,891,900	9	1,547,456	7	1,751,875	7	1,832,577
Franklin.....	10	1,678,195	18	863,165	.....	.....	.....	.....	.....	.....
LaSalle.....	11	1,626,931	11	1,644,686	7	1,595,327	8	1,696,853	8	1,773,187
Perry.....	12	1,610,411	9	1,743,922	10	1,443,926	11	1,268,718	11	1,240,174
Christian.....	13	1,426,123	13	1,235,566	13	826,500	15	857,890	13	986,685
Montgomery.....	14	1,382,368	15	1,078,336	17	649,839	.....	.....	.....	.....
Grundy.....	15	1,174,482	12	1,327,197	11	1,170,625	10	1,326,109	9	1,405,158
Clinton.....	16	1,152,670	16	1,061,410	15	770,689	14	904,826	15	925,515
Peoria.....	17	1,054,673	17	1,027,023	12	844,484	13	904,892	14	939,737
Marion.....	18	954,925	14	1,084,783	14	826,280	12	1,086,350	12	1,083,734
Randolph.....	19	777,327	19	742,894	19	581,841	19	506,547	17	620,280
Jackson.....	20	637,090	20	705,363	16	759,962	16	802,101	16	862,641
Menard.....	.....	.....	.....	.....	20	536,273	.....	.....	19	543,763
Marshall.....	.....	.....	.....	.....	.....	.....	18	510,968	.....	.....
Mercer.....	.....	.....	.....	.....	.....	.....	17	544,220	18	601,508
Totals—Counties and tons.....	20	45,120,027	20	43,509,978	20	34,285,088	19	33,346,792	19	33,438,969

## LARGEST OUTPUT.

500,000 tons of coal and over, for the past ten years. Williamson county last year with over 100,000 tons less. Sangamon county has second rank, first for six successive years. This is the third year that twenty counties year of over two million tons each. The total output of the twenty coun-

*Tons of Coal or Over for a Series of Ten Years—1899-1908.*

Rank.	Tonnage 1903	Rank.	Tonnage 1902	Rank.	Tonnage 1901	Rank.	Tonnage 1900	Rank.	Tonnage 1899	County.
4	2,551,587	6	1,956,271	6	1,605,960	9	1,133,607	9	1,078,755	Williamson.....
1	4,386,526	1	3,672,984	1	2,919,223	1	2,519,911	2	2,083,572	Sangamon.....
2	3,134,679	2	2,578,553	2	2,518,847	2	2,253,883	4	1,849,474	St. Clair.....
6	2,223,055	4	2,075,253	3	2,115,319	5	1,848,796	5	1,646,674	Macoupin.....
5	2,711,767	5	2,013,692	7	1,595,081	6	1,441,650	7	1,403,977	Madison.....
3	2,893,233	3	2,558,371	4	2,003,780	3	2,030,954	1	2,221,867	Vermillion.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Saline.....
10	1,036,496	10	889,779	14	646,400	14	665,439	13	601,084	Fulton.....
8	1,778,302	8	1,732,813	8	1,549,056	7	1,338,231	6	1,410,524	Bureau.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Franklin.....
7	1,877,555	7	1,894,510	5	1,833,561	4	2,027,864	3	1,975,939	LaSalle.....
11	1,031,751	14	789,625	13	664,278	13	680,653	10	879,422	Perry.....
14	926,563	15	725,088	16	578,482	15	652,662	14	572,459	Christian.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Montgomery.....
9	1,457,935	9	1,383,336	9	1,293,992	8	1,299,863	8	1,280,332	Grundy.....
16	870,518	16	724,462	15	644,664	16	535,601	.....	.....	Clinton.....
17	920,716	13	824,270	12	710,582	12	727,737	12	744,693	Peoria.....
12	1,002,047	11	881,821	11	829,326	11	840,814	.....	.....	Marion.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Randolph.....
13	972,284	12	853,056	10	911,245	10	883,311	11	875,711	Jackson.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Menard.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Marshall.....
17	648,070	17	602,722	17	563,603	17	501,065	.....	.....	Mercer.....
17	30,423,084	17	26,156,511	17	22,982,499	17	21,383,041	14	18,624,488	Totals—Counties and tons.

## COUNTIES PRODUCING COAL

Table 37 shows for all the counties producing coal, the total number of mines, men and tons, and a like record for the shipping and local mines.

TABLE 37—*Coal Producing Counties of the State, Showing Number of District, Mines, Men and Tons, for all Mines, also for Shipping Mines and Local Mines—1908.*

Number.	COUNTY.	District.	ALL MINES.			SHIPPING MINES.			LOCAL MINES.		
			Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
1	Bond.....	8	3	250	103,518	3	250	103,518	.....	.....	.....
2	Brown.....	6	2	3	400	.....	.....	.....	2	3	400
3	Bureau.....	2	16	4,421	1,688,528	8	4,359	1,666,578	8	62	21,950
4	Calhoun.....	7	1	22	2,407	.....	.....	.....	1	22	2,407
5	Cass.....	6	1	5	800	.....	.....	.....	1	5	800
6	Christian.....	7	9	1,852	1,426,123	8	1,837	1,423,323	1	15	2,800
7	Clinton.....	9	7	1,488	1,152,670	7	1,488	1,152,670	.....	.....	.....
8	Edgar.....	5	1	5	4,971	.....	.....	.....	1	5	4,971
9	Franklin.....	9	10	1,918	1,678,195	10	1,918	1,678,195	.....	.....	.....
10	Fulton.....	4	85	3,366	2,141,489	27	3,146	2,081,055	58	220	60,434
11	Gallatin.....	10	9	111	75,322	1	81	52,544	8	30	22,778
12	Greene.....	7	4	35	15,564	.....	.....	.....	4	35	15,564
13	Grundy.....	1	20	2,540	1,174,482	9	2,438	1,146,924	11	102	27,558
14	Hancock.....	4	4	20	6,686	1	9	4,250	3	11	2,436
15	Henry.....	2	30	368	147,482	3	168	81,959	27	200	65,523
16	Jackson.....	10	23	1,165	637,090	11	1,114	616,238	12	51	20,852
17	Jefferson.....	9	2	50	25,045	.....	.....	.....	2	50	25,045
18	Johnson.....	10	2	8	2,896	.....	.....	.....	2	8	2,896
19	Kankakee.....	1	1	52	17,801	1	52	17,801	.....	.....	.....
20	Knox.....	2	39	174	44,070	.....	.....	.....	39	174	44,070
21	LaSalle.....	1	38	3,744	1,626,931	16	3,435	1,447,406	22	309	179,525
22	Livingston.....	3	8	453	302,342	2	354	239,335	6	99	68,007
23	Logan.....	6	4	761	430,010	4	761	430,010	.....	.....	.....
24	Macon.....	5	4	443	237,636	4	443	237,636	.....	.....	.....
25	Macoupin.....	7	27	5,009	4,224,865	18	4,972	4,210,986	9	37	13,879
26	Madison.....	8	32	4,034	3,584,106	16	3,924	3,547,083	16	110	37,023
27	Marion.....	9	5	1,179	954,925	5	1,179	954,925	.....	.....	.....
28	Marshall.....	3	10	961	423,029	3	907	402,730	7	54	20,299
29	McDonough.....	4	44	200	35,576	1	44	11,864	43	156	23,712
30	McLean.....	4	2	304	122,416	2	304	122,416	.....	.....	.....
31	Menard.....	6	14	673	397,526	8	630	370,684	6	43	26,842



Table 37—Concluded.

Number.	COUNTY.	District.	ALL MINES.			SHIPPING MINES.			LOCAL MINES.		
			Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
32	Mercer.....	2	17	654	419,448	3	585	394,353	14	69	25,095
33	Montgomery.....	7	11	1,687	1,382,368	9	1,670	1,380,668	2	17	1,700
34	Morgan.....	7	3	13	7,490	.....	.....	.....	3	13	7,490
35	Peoria.....	3	71	1,492	1,054,673	17	1,222	922,120	54	270	132,553
36	Perry.....	9	25	2,182	1,610,411	21	2,168	1,605,125	4	14	5,286
37	Putnam.....	3	2	724	403,136	2	724	403,136	.....	.....	.....
38	Randolph.....	9	15	949	777,327	10	920	756,735	5	29	20,592
39	Rock Island.....	2	14	127	62,961	1	22	14,261	13	105	48,700
40	Saline.....	10	26	3,450	2,482,677	20	3,427	2,465,602	6	23	17,075
41	Sangamon.....	6	37	6,553	5,082,626	34	6,463	5,039,334	3	90	43,292
42	Schuyler.....	6	13	49	11,835	.....	.....	.....	13	49	11,835
43	Scott.....	7	11	89	13,262	.....	.....	.....	11	89	13,262
44	Shelby.....	7	9	347	165,289	2	270	158,206	7	77	7,083
45	Stark.....	3	10	75	24,444	.....	.....	.....	10	75	24,444
46	St. Clair.....	8	77	5,078	4,413,639	56	4,932	4,280,212	21	146	133,427
47	Tazewell.....	4	11	416	218,435	6	338	191,969	5	78	26,466
48	Vermilion.....	5	42	3,909	2,659,762	14	3,604	2,467,832	28	305	191,930
49	Warren.....	2	15	58	11,446	.....	.....	.....	15	58	11,446
50	Washington.....	9	2	126	75,548	2	126	75,548	.....	.....	.....
51	White.....	9	1	36	19,480	1	36	19,480	.....	.....	.....
52	Will.....	1	4	464	161,041	3	454	156,514	1	10	4,509
53	Williamson.....	10	47	6,329	5,367,140	36	6,276	5,315,365	11	53	51,775
54	Woodford.....	3	2	420	163,140	2	420	163,140	.....	.....	.....
	Totals.....	..	922	70,841	49,272,452	407	67,470	47,809,730	515	3,371	1,462,722

## DISPOSITION OF THE OUTPUT.

Table 38 shows, by districts, the disposition, from the mines, of the total output of the mines of the State.

TABLE 38—Disposition of the Output of Shipping Mines, by Districts, also Local Mines.

DISTRICTS.	Number of mines.	Total output all grades—Tons.	DISPOSITION OF PRODUCT—TONS.			
			Shipped from mine.	Supplied to locomotives at mine.	Sold to local trade.	Consumed and wasted at mines.
First.....	29	2,768,465	2,349,640	115,450	136,847	166,708
Second.....	15	2,157,151	1,974,102	28,677	44,109	110,264
Third.....	26	2,130,461	1,935,819	82,921	51,050	60,671
Fourth.....	37	2,411,554	2,173,074	63,008	106,819	68,653
Fifth.....	18	2,705,468	2,472,544	30,105	160,440	42,379
Sixth.....	46	5,840,028	5,254,418	113,832	260,771	211,007
Seventh.....	37	7,173,183	6,408,120	160,576	171,200	433,287
Eighth.....	75	7,930,813	7,478,923	52,932	129,487	269,471
Ninth.....	56	6,242,678	5,605,928	243,330	146,726	246,694
Tenth.....	68	8,449,749	7,905,487	113,029	95,452	335,781
Shipping mines....	407	47,809,730	43,558,055	1,003,860	1,302,901	1,944,914
Local mines.....	515	1,462,722	.....	12,500	1,214,455	235,767
The State.....	922	49,272,452	43,558,055	1,016,360	2,517,356	2,180,681

Table 39 gives the percentages drawn from table 37.

TABLE 39—Percentages of the Output of Shipping and Local Mines, also Percentages of the Distribution, by Districts—1908.

DISTRICTS.	Number of mines.	PERCENTAGES OF TONS—				
		Total output.	Shipped	To locomotive.	Sold to local trade.	Consumed or wasted at mines.
First.....	29	5.79	84.87	4.17	4.94	6.02
Second.....	15	4.52	91.51	1.30	2.09	5.10
Third.....	26	4.46	90.87	3.87	2.42	2.84
Fourth.....	37	5.05	90.12	2.61	4.43	2.84
Fifth.....	18	5.64	91.39	1.11	5.93	1.57
Sixth.....	46	12.22	89.97	1.95	4.47	3.61
Seventh.....	37	15.01	89.33	2.24	2.39	6.04
Eighth.....	75	16.59	94.30	.67	1.63	3.40
Ninth.....	56	13.06	89.64	3.73	2.83	3.80
Tenth.....	68	17.66	93.56	1.34	1.13	3.97
Shipping mines.....	407	100.00	91.11	2.10	2.73	4.06
Local mines.....	515	100.00	.....	.84	83.04	16.12

Table 40 shows, for nine years, the total tons of shipping and local mines, and the percentages as to the distribution of the product.

TABLE 40—*Total Output of the Shipping and Local Mines of the State, also Percentages of the Distribution for Nine Years.*

YEAR.	Total output.	PERCENTAGES OF—			
		Tons shipped.	Tons supplied to locomotives.	Tons sold to local trade.	Tons consumed or wasted at the mines.
1900.....	24,056,996	87.33	3.42	5.12	4.13
1901.....	25,526,816	88.34	3.46	4.12	4.08
1902.....	28,824,750	89.07	3.30	3.74	3.89
1903.....	33,676,537	89.33	3.27	3.59	3.81
1904.....	35,779,517	88.82	3.32	3.80	4.06
1905.....	35,956,543	88.07	3.26	3.88	4.79
1906.....	37,122,811	89.16	2.79	3.75	4.30
1907.....	46,436,839	90.52	2.37	2.84	4.27
1908.....	47,809,730	91.11	2.10	2.73	4.06

LOCAL MINES.

1900.....	1,096,933	.....	5.66	85.57	9.77
1901.....	1,108,503	.....	5.84	86.62	7.54
1902.....	1,196,550	.....	1.54	89.05	9.41
1903.....	1,278,864	.....	1.29	86.86	11.85
1904.....	1,298,330	.....	2.75	89.46	7.79
1905.....	1,226,831	.....	.49	98.20	1.31
1906.....	1,194,770	.....	.....	95.91	4.09
1907.....	1,361,782	.....	.....	86.85	13.15
1908.....	1,462,722	.....	.84	83.04	16.12

DISPOSITION OF OUTPUT BY COUNTIES AND DISTRICTS.

Table 41 shows the total tonnage of each county in the respective districts and the disposition of the output.

TABLE 41—Disposition of the Output of Shipping and Local Mines, by Counties and Districts—1908.

FIRST DISTRICT.

COUNTY.	Number of mines.	Total tons.	DISPOSITION OF TONNAGE.			
			Shipped from mines.	Supplied to locomotives at the mines.	Sold to local trade.	Consumed or wasted at the mines.
Grundy.....	9	1,146,924	1,064,467	.....	22,111	60,346
Kankakee.....	1	17,801	14,917	.....	1,305	1,579
La Salle.....	16	1,447,406	1,129,243	115,450	104,430	98,283
Will.....	3	156,514	141,013	.....	9,001	6,500
The district.....	29	2,768,645	2,349,640	115,450	136,847	166,708
Percentages.....	.....	100.00	84.87	4.17	4.94	6.02
Local mines.....	34	211,583	.....	.....	61,358	150,225

SECOND DISTRICT.

Bureau.....	8	1,666,578	1,515,408	27,133	28,662	95,375
Henry.....	3	81,959	72,367	.....	7,563	2,029
Mercer.....	3	394,353	374,276	1,544	5,884	12,649
Rock Island.....	1	14,261	12,051	.....	2,000	210
The district.....	15	2,157,151	1,974,102	28,677	44,109	110,263
Percentages.....	.....	100.00	91.51	1.33	2.05	5.11
Local mines.....	116	216,784	.....	.....	213,153	3,631

THIRD DISTRICT.

Livingston.....	2	239,335	220,104	11,587	2,900	4,744
Marshall.....	3	402,730	321,157	43,422	17,887	20,264
Peoria.....	17	922,120	877,792	16,245	7,805	20,278
Putnam.....	2	403,136	387,329	3,360	5,862	6,585
Woodford.....	2	163,140	129,437	8,307	16,596	8,800
The district.....	26	2,130,461	1,935,819	82,921	51,050	60,671
Percentages.....	.....	100.00	90.86	3.89	2.40	2.85
Local mines.....	77	240,303	.....	.....	225,369	14,934

Table 41—Continued.

## FOURTH DISTRICT.

COUNTY.	Number of mines.	Total tons.	DISPOSITION OF TONNAGE.			
			Shipped from mines.	Supplied to locomotives at the mines.	Sold to local trade.	Consumed or wasted at the mines.
Fulton.....	27	2,081,055	1,983,837	32,234	18,889	46,095
Hancock.....	1	4,250	4,000	.....	250	.....
McDonough.....	1	11,864	11,335	.....	529	.....
Mc Lean.....	2	122,416	30,955	28,501	45,862	17,098
Tazewell.....	6	191,969	142,947	2,273	41,289	5,460
The district.....	37	2,411,554	2,173,074	63,008	106,819	68,653
Percentages.....	.....	100.00	90.11	2.61	4.43	2.85
Local mines.....	109	113,048	.....	.....	113,048	.....

## FIFTH DISTRICT.

Macon.....	4	237,636	86,014	7,709	140,240	3,673
Vermilion.....	14	2,467,832	2,386,530	22,396	20,200	38,706
The district.....	18	2,705,468	2,472,544	30,105	160,440	42,379
Percentages.....	.....	100.00	91.39	1.11	5.93	1.57
Local mines.....	29	196,901	.....	.....	138,232	58,669

## SIXTH DISTRICT.

Logan.....	4	430,010	315,013	27,364	55,253	32,380
Menard.....	8	370,684	325,693	2,610	25,502	16,879
Sangamon.....	34	5,039,334	4,613,712	83,858	180,016	161,748
The district.....	46	5,840,028	5,254,418	113,832	260,771	211,007
Percentages.....	.....	100.00	89.97	1.95	4.46	3.62
Local mines.....	25	83,169	.....	.....	81,649	1,520

## SEVENTH DISTRICT.

Christian.....	8	1,423,323	1,122,866	64,984	77,926	157,547
Macoupin.....	18	4,210,986	3,870,293	68,198	42,385	230,110
Montgomery.....	9	1,380,668	1,284,936	21,034	37,472	37,226
Shelby.....	2	158,206	130,025	6,360	13,417	8,404
The district.....	37	7,173,183	6,408,120	160,576	171,200	433,287
Percentages.....	.....	100.00	89.33	2.24	2.39	6.04
Local mines.....	38	64,185	.....	.....	59,987	4,288

Table 41—Concluded.

## EIGHTH DISTRICT.

COUNTY.	Number of mines.	Total tons.	DISPOSITION OF TONNAGE.			
			Shipped from mines.	Supplied to locomotives at the mines.	Sold to local trade.	Consumed or wasted at the mines.
Bond.....	3	103,518	91,224	.....	6,452	5,842
Madison.....	16	3,547,083	3,397,124	9,299	61,688	972
St. Clair.....	56	4,280,212	3,990,565	43,633	61,357	184,657
The district.....	75	7,930,813	7,478,913	52,932	129,497	269,471
Percentages.....		100.00	94.30	0.67	1.63	3.40
Local mines.....	37	170,450	.....	.....	170,450	.....

## NINTH DISTRICT.

Clinton.....	7	1,152,670	1,033,879	49,275	24,125	45,391
Franklin.....	10	1,678,195	1,586,000	1,301	27,338	63,556
Marion.....	5	954,925	752,348	133,469	33,953	35,155
Perry.....	21	1,605,125	1,477,167	37,780	23,112	67,066
Randolph.....	10	756,735	716,286	.....	12,313	28,136
Washington.....	2	75,548	32,340	17,608	19,600	6,000
White.....	1	19,480	7,908	3,897	6,285	1,390
The district.....	56	6,242,678	5,605,928	243,330	146,726	246,694
Percentages.....		100.00	89.80	3.90	2.35	3.95
Local mines.....	11	50,923	.....	12,500	35,923	2,500

## TENTH DISTRICT.

Gallatin.....	1	52,544	43,089	3,676	2,179	3,600
Jackson.....	11	616,238	460,763	61,369	41,356	52,750
Saline.....	20	2,465,602	2,360,252	31,497	27,828	46,025
Williamson.....	36	5,315,365	5,041,333	16,487	24,089	233,406
The district.....	63	8,449,749	7,905,487	113,029	95,452	335,781
Percentages.....		100.00	93.56	1.34	1.13	3.97
Local mines.....	39	115,376	.....	.....	115,376	.....

## DISTRIBUTION OF COAL TO RAILROADS.

Table 42 shows the distribution by counties, to railroads of the product of the shipping mines of the State, both for transportation to market and for use on locomotives, delivered at the mines.

Thirty-six railroads transported the coal from the mines this year, besides several thousand tons were loaded onto river boats from Peoria county. The Illinois Central road, has, for the past eleven years, been shown in the reports of the bureau, as hauling a greater tonnage than any other road. For this year it took coal from 108 mines located in twenty-two of the coal producing counties: For shipment 7,759,163 tons, for locomotives, supplied at the mines, 389,911 tons, making a total of 8,149,074 tons. The Chicago and Eastern Illinois has second place as to quantity of coal hauled; the largest tonnage taken from any one county, was 2,344,979 tons hauled by the Cleveland, Cincinnati, Chicago & St. Louis road from Saline county.

TABLE 42—*Railroads which have Transported the Coal Produced by the Shipping Mines of the State, also the Counties Contributing the Tonnage to each Road—1908.*

Number of roads	RAILROADS AND COUNTIES.		Number of counties	Number of mines.	TONS RECEIVED BY EACH ROAD FOR—		PERCENTAGE—	
					Shipment.	Locomotives.	Skipped.	Supplied to locomotives.
	The State.....				43,558,055	1,003,860		
1	Illinois Central.....	22	108		7,759,163	389,911	100.00	100.00
	Williamson.....		19		1,750,893	1,502	22.57	0.39
	Perry.....		16		1,159,212	29,140	14.94	7.47
	St. Clair.....		21		773,517	13,335	9.97	3.42
	Marion.....		5		751,352	133,469	9.68	34.23
	Sangamon.....		7		706,372		9.10	
	Christian.....		5		429,101	16,171	5.53	4.15
	Madison.....		2		413,060	510	5.32	0.13
	Jackson.....		7		385,565	61,369	4.97	15.74
	La Salle.....		4		311,618	53,431	4.02	13.70
	Franklin.....		3		275,302	99	3.55	0.03
	Randolph.....		5		203,449		2.62	
	Logan.....		4		184,664	27,364	2.38	7.02
	Macoupin.....		1		155,057	18,704	2.00	4.80
	Marshall.....		1		76,365		0.98	
	Woodford.....		1		49,214		0.63	
	Shelby.....		1		42,284	6,360	0.55	1.63
	Washington.....		1		31,940		0.41	
	Macon.....		1		19,432		0.25	
	McLean.....		1		18,955	7,501	0.25	1.92
	Kankakee.....		1		12,377		0.16	
	Saline.....		1		9,273		0.12	
	Montgomery.....		1		161	20,956		5.37
2	Chicago & Eastern Illinois.....	6	23		4,516,821	20,802	100.00	100.00
	Vermilion.....		7		1,807,267		40.01	
	Williamson.....		8		1,331,939		29.49	
	Franklin.....		2		442,053		9.79	
	Montgomery.....		3		438,665		9.71	
	Madison.....		1		417,630		9.25	
	Christian.....		2		79,262	20,802	1.75	100.00



Table 42—Continued.

Number of roads	RAILROADS AND COUNTIES.	Number of counties.	Number of miles.	TONS RECEIVED BY EACH ROAD FOR—		PERCENTAGE—	
				Shipment.	Locomotives.	Shipped.	Supplied to locomotives.
3	Chicago, Burlington & Quincy.....	14	57	4,312,078	42,557	100.00	100.00
	Fulton.....	21		1,580,047	20,224	36.64	47.52
	Franklin.....	5		713,933	85	16.56	0.20
	Williamson.....	5		670,448	10,645	15.55	25.01
	Macoupin.....	4		561,069	10,108	13.01	23.75
	LaSalle.....	7		329,720		7.65	
	Mercer.....	1		144,089		3.34	
	Peoria.....	4		87,983		2.04	
	Henry.....	3		69,938		1.62	
	Bureau.....	1		50,957	1,495	1.18	3.52
	Sangamon.....	1		46,253		1.07	
	Bond.....	2		31,363		0.73	
	McDonough.....	1		11,335		0.26	
	Montgomery.....	1		10,943		0.25	
	Hancock.....	1		4,000		0.10	
4	Cleveland, Cin., Chic. & St. Louis.....	9	35	3,552,101	58,017	100.00	100.00
	Saline.....	19		2,344,979	31,497	66.02	54.29
	Vermilion.....	4		491,658	22,396	13.84	38.60
	Montgomery.....	4		422,231		11.89	
	Madison.....	1		104,408	23	2.94	0.04
	Shelby.....	1		81,541		2.29	
	Tazewell.....	2		59,454		1.67	
	Macoupin.....	1		32,218		0.91	
	Christian.....	2		13,612	2,101	0.38	3.62
	McLean.....	1		2,000	2,000	0.06	3.45
5	Wabash.....	9	28	3,109,515	89,942	100.00	100.00
	Macoupin.....	6		1,186,133	36,926	38.14	41.06
	Sangamon.....	10		962,252	35,566	30.95	39.54
	Christian.....	3		591,126	17,397	19.01	19.34
	Madison.....	3		254,053	53	8.17	0.06
	Livingston.....	1		58,015		1.86	
	Macon.....	2		26,601		0.86	
	LaSalle.....	1		16,737		0.54	
	Vermilion.....	1		11,000		0.35	
	Montgomery.....	1		3,598		0.12	
6	Chicago & Alton.....	10	36	2,506,621	2,460	100.00	100.00
	Sangamon.....	16		1,784,583		71.19	
	Macoupin.....	6		360,835	2,460	14.40	100.00
	Logan.....	2		130,349		5.20	
	Menard.....	4		121,051		4.83	
	Will.....	2		78,977		3.15	
	Marshall.....	1		15,000		0.60	
	LaSalle.....	1		12,500		0.50	
	Grundy.....	2		1,880		0.07	
	McLean.....	1		1,000		0.04	
	Montgomery.....	1		446		0.02	
7	Macoupin County R. R.....	1	3	1,574,981		100.00	
	Macoupin.....	3	3	1,574,981		100.00	
8	St. Louis, Iron Mountain & Southern....	3	22	1,448,877	4,340	100.00	100.00
	Williamson.....	18		1,288,103	4,340	88.90	100.00
	Franklin.....	2		154,707		10.68	
	Jackson.....	2		6,067		0.42	

Table 42—Continued.

Number of roads	RAILROADS AND COUNTIES.	Number of counties.	Number of mines.	TONS RECEIVED BY EACH ROAD FOR—		PERCENTAGE—	
				Shipment.	Locomotives.	Shipped.	Supplied to locomotives.
9	Baltimore & Ohio Southwestern.....	7	22	1,386,890	62,485	100.00	100.00
	Clinton.....		5	698,183	49,275	50.34	78.86
	St. Clair.....		6	445,855	800	32.15	1.28
	Sangamon.....		4	217,983	.....	15.72	.....
	Christian.....		3	9,765	8,513	0.70	13.62
	White.....		1	7,908	3,897	0.57	6.24
	Shelby.....		1	6,200	.....	0.45	.....
	Marion.....		2	996	.....	0.07	.....
10	Elgin, Joliet & Eastern.....	2	10	1,119,063	.....	100.00	.....
	Grundy.....		9	1,057,027	.....	94.46	.....
	Will.....		1	62,036	.....	5.54	.....
11	St. Louis, Troy & Eastern.....	1	3	1,003,169	2,588	100.00	100.00
	Madison.....		3	1,003,169	2,588	100.00	100.00
12	Southern.....	2	12	966,596	308	100.00	100.00
	St. Clair.....		10	630,900	308	65.27	100.00
	Clinton.....		2	335,696	.....	34.73	.....
13	Chicago & Northwestern.....	1	6	951,013	10,280	100.00	100.00
	Bureau.....		6	951,013	10,280	100.00	100.00
14	Chicago, Milwaukee & St. Paul.....	3	6	945,402	18,718	100.00	100.00
	Bureau.....		2	399,760	15,358	42.28	82.05
	Putnam.....		2	387,329	3,360	40.97	17.95
	LaSalle.....		2	158,313	.....	16.75	.....
15	Vandalia Line.....	4	8	834,597	.....	100.00	.....
	St. Clair.....		1	394,577	.....	47.28	.....
	Madison.....		3	373,353	.....	44.73	.....
	Bond.....		2	48,916	.....	5.86	.....
	Macon.....		2	17,751	.....	2.13	.....
16	Litchfield & Madison.....	1	5	821,651	6,125	100.00	100.00
	Madison.....		5	821,651	6,125	100.00	100.00
17	Mobile & Ohio.....	3	7	647,325	.....	100.00	.....
	Randolph.....		3	315,931	.....	48.81	.....
	Perry.....		2	262,213	.....	40.51	.....
	Jackson.....		2	69,131	.....	10.68	.....
18	St. Louis & O'Fallon.....	1	2	645,458	4,340	100.00	100.00
	St. Clair.....		2	645,458	4,340	100.00	100.00
19	Chicago, Peoria & St. Louis.....	2	12	641,519	11,374	100.00	100.00
	Sangamon.....		7	436,877	8,764	68.10	77.05
	Menard.....		5	204,642	2,610	31.90	22.95

Table 42—Continued.

Number of roads	RAILROADS AND COUNTIES.	Number of		TONS RECEIVED BY EACH ROAD FOR—		PERCENTAGE—	
		counties.	Number of mines.	Shipment.	Locomotives.	Shipped.	Supplied to locomotives.
20	E. St. Louis & Suburban, Electric.....	1	5	622,941	.....	100.00	.....
	St. Clair.....	.....	5	622,941	.....	100.00	.....
21	Iowa Central.....	2	8	615,222	16,036	100.00	100.00
	Peoria.....	.....	3	371,440	15,203	60.38	94.81
	Fulton.....	.....	5	243,782	833	39.62	5.19
22	Chicago, Rock Island & Pacific.....	6	10	579,427	63,563	100.00	100.00
	Mercer.....	.....	2	230,187	1,544	39.73	2.43
	LaSalle.....	.....	4	212,616	62,019	36.69	97.57
	Bureau.....	.....	1	113,678	.....	19.62	.....
	Rock Island.....	.....	1	12,051	.....	2.08	.....
	Marshall.....	.....	1	8,466	.....	1.46	.....
	Henry.....	.....	1	2,429	.....	0.42	.....
23	Louisville & Nashville.....	4	15	526,816	46,134	100.00	100.00
	St. Clair.....	.....	12	477,327	24,850	90.61	53.86
	Gallatin.....	.....	1	43,089	3,676	8.18	7.97
	Saline.....	.....	1	6,000	.....	1.14	.....
	Washington.....	.....	1	400	17,608	0.07	38.17
24	Toledo, St. Louis & Western.....	2	4	419,837	78	100.00	100.00
	Montgomery.....	.....	3	408,892	78	97.39	100.00
	Bond.....	.....	1	10,945	.....	2.61	.....
25	Toledo, Peoria & Western.....	3	11	345,639	22,764	100.00	100.00
	Peoria.....	.....	5	175,264	.....	50.71	.....
	Fulton.....	.....	5	160,008	11,177	46.29	49.10
	Livingston.....	.....	1	10,367	11,587	3.00	50.90
26	Atchison, Topeka & Santa Fé.....	5	8	343,079	54,002	100.00	100.00
	Marshall.....	.....	1	134,304	43,422	39.15	80.41
	LaSalle.....	.....	2	87,739	.....	25.57	.....
	Woodford.....	.....	1	80,223	8,307	23.38	15.38
	Tazewell.....	.....	2	35,253	2,273	10.28	4.21
	Grundy.....	.....	2	5,560	.....	1.62	.....
27	Chicago & Illinois Midland.....	1	1	281,044	2,543	100.00	100.00
	Sangamon.....	.....	1	281,044	2,543	100.00	100.00
28	Peoria & Pekin Union.....	2	5	250,020	1,042	100.00	100.00
	Peoria.....	.....	3	212,705	1,042	85.08	100.00
	Tazewell.....	.....	2	37,315	.....	14.92	.....
29	Illinois Southern.....	1	3	196,856	.....	100.00	.....
	Randolph.....	.....	3	196,856	.....	100.00	.....

Table 42—Concluded.

Number of roads	RAILROADS AND COUNTIES.	Number of counties.	Number of mines.	TONS RECEIVED BY EACH ROAD FOR—		PERCENTAGE—	
				Shipment.	Locomotives.	Shipped.	Supplied to locomotives.
30	Cincinnati, Hamilton & Dayton.....	2	6	183,998	44,694	100.00	100.00
	Sangamon.....	.....	4	161,768	36,985	87.92	82.75
	Macon.....	.....	2	22,230	7,709	12.08	17.25
31	Chicago, Indiana & Southern.....	2	2	154,262	.....	100.00	.....
	Livingston.....	.....	1	151,722	.....	98.35	.....
	Kankakee.....	.....	1	2,540	.....	1.65	.....
32	Illinois Traction System (Electric).....	3	5	102,985	.....	100.00	.....
	Vermilion.....	.....	2	76,605	.....	74.39	.....
	Sangamon.....	.....	2	16,580	.....	16.10	.....
	Madison.....	.....	1	9,800	.....	9.51	.....
33	Toledo, Marquette & Northern.....	1	1	87,022	.....	100.00	.....
	Marshall.....	.....	1	87,022	.....	100.00	.....
34	Wabash, Chester & Western.....	1	3	55,742	8,640	100.00	100.00
	Perry.....	.....	3	55,742	8,640	100.00	100.00
35	Lake Erie & Western.....	2	3	19,925	19,000	100.00	100.00
	Tazewell.....	.....	2	10,925	.....	54.83	.....
	McLean.....	.....	1	9,000	19,000	45.17	100.00
36	Chicago, Zeigler & Gulf.....	1	1	.....	1,117	.....	100.00
	Franklin.....	.....	1	.....	1,117	.....	100.00
	By boat—Illinois River.....	1	2	30,400	.....	100.00	100.00
	Peoria.....	.....	2	30,400	.....	100.00	100.00

Table 43 is a recapitulation of table 42, giving the number of counties from which coal is taken by each of the thirty-six roads, two of which are electric roads, the number of mines from which coal is delivered, the tons received for shipment, and for locomotives, and the total tons hauled for each road.

Eleven of these roads each transported over one million tons aggregating 32,289,279 tons or seventy-four per cent of the total tons delivered to all the roads. The same roads received, for locomotives, at the mines, 673,102 tons, or sixty-seven per cent of all the tons taken for this purpose.

TABLE 43—*Illinois Coal Delivered to Illinois Railroads at the Mines for Shipment and for Use on Locomotives—1908.*

Number.	RAILROADS.	NUMBER OF—		TONS RECEIVED BY EACH ROAD FOR—		Total tons.
		Coun- ties.	Mines.	Ship- ment.	Loco- motives.	
	Total 37 railroads and boats.....	.....	.....	43,558,055	1,003,860	44,561,915
1	Illinois Central.....	22	108	7,759,163	389,911	8,149,074
2	Chicago & Eastern Illinois.....	6	23	4,516,821	20,802	4,537,623
3	Chicago, Burlington & Quincy.....	14	57	4,312,078	42,557	4,354,635
4	Cleveland, Cincinnati, Chicago & St. Louis.....	9	35	3,552,101	58,017	3,610,118
5	Wabash.....	9	28	3,109,515	89,942	3,199,457
6	Chicago & Alton.....	10	36	2,506,621	2,460	2,509,081
7	Macoupin County Railroad.....	1	3	1,574,981	.....	1,574,981
8	St. Louis, Iron Mountain & Southern.....	3	22	1,448,877	4,340	1,453,217
9	Baltimore & Ohio Southwestern.....	7	22	1,386,890	62,485	1,449,375
10	Elgin, Joliet & Eastern.....	2	10	1,119,063	.....	1,119,063
11	St. Louis, Troy & Eastern.....	1	3	1,003,169	2,588	1,005,757
12	Southern.....	2	12	966,596	308	966,904
13	Chicago & Northwestern.....	1	6	951,013	10,280	961,293
14	Chicago, Milwaukee & St. Paul.....	3	6	945,402	18,718	964,120
15	Vandalia Line.....	4	8	834,597	.....	834,597
16	Litchfield & Madison.....	1	5	821,651	6,125	827,776
17	Mobile & Ohio.....	3	7	647,325	.....	647,325
18	St. Louis & O'Fallon.....	1	2	645,458	4,340	649,798
19	Chicago, Peoria & St. Louis.....	2	12	641,519	11,374	652,893
20	St. Louis & Suburban, Electric.....	1	5	622,941	.....	622,941
21	Iowa Central.....	2	8	615,222	16,036	631,258
22	Chicago, Rock Island & Pacific.....	6	10	579,427	63,563	642,990
23	Louisville & Nashville.....	4	15	526,816	46,134	572,950
24	Toledo, St. Louis & Western.....	2	4	419,837	78	419,915
25	Toledo, Peoria & Western.....	3	11	345,639	22,764	368,403
26	Atchison, Topeka & Santa Fe.....	5	8	343,079	54,002	397,081

Table 43—Concluded.

Number.	RAILROADS.	NUMBER OF—		TONS RECEIVED BY EACH ROAD FOR—		Total tons.
		Coun- ties.	Mines.	Ship- ment.	Loco- motives.	
27	Chicago & Illinois Midland.....	1	1	281,044	2,543	283,587
28	Peoria & Pekin Union.....	2	5	250,020	1,042	251,062
29	Illinois Southern.....	1	3	196,856	.....	196,856
30	Cincinnati, Hamilton & Dayton.....	2	6	183,998	44,694	228,692
31	Chicago, Indiana & Southern.....	2	2	154,262	.....	154,262
32	Illinois Traction System, Electric.....	3	5	102,986	.....	102,985
33	Toluca, Marquette & Northern.....	1	1	87,022	.....	87,022
34	Wabash, Chester & Western.....	1	3	55,742	8,640	64,382
35	Lake Erie & Western.....	2	3	19,925	19,000	38,925
36	Chicago, Zeigler & Gulf.....	1	1	.....	1,117	1,117
37	By boat—Illinois river.....	1	2	30,400	.....	30,400

Table 44 is a list of forty-one counties from which was drawn the coal transported to market as shown in table 42. The arrangement of the table is by counties supplying the largest tonnage for shipment. Williamson, Sangamon, St. Clair, Macoupin, Madison and Vermilion hold the same positions in the list as last year. These six counties supplied 53.5 per cent of the total tons delivered to the railroads for shipment.

TABLE 44—Counties which have produced the Commercial Coal of the State and the Tonnage delivered to the several Railroads in each for transportation.

Number.	Counties and Railroads.	Number of railroads.	Number of mines.	Tons delivered to each railroad.	Total tons shipped and per cent to each road.
1	Williamson.....	4	.....	.....	5,041,383
	Illinois Central.....	19	.....	1,750,893	34.73
	Chicago & Eastern Illinois.....	8	.....	1,331,939	26.42
	St. Louis, Iron Mountain & Southern.....	18	.....	1,288,103	25.55
	Chicago, Burlington & Quincy.....	5	.....	670,448	13.30
2	Sangamon.....	9	.....	.....	4,613,712
	Chicago & Alton.....	16	.....	1,784,583	38.68
	Wabash.....	10	.....	962,252	20.86
	Illinois Central.....	7	.....	706,372	15.31
	Chicago, Peoria & St. Louis.....	7	.....	436,877	9.47
	Chicago & Illinois Midland.....	1	.....	281,044	6.09
	Baltimore & Ohio Southwestern.....	4	.....	217,983	4.72
	Chicago, Hamilton & Dayton.....	4	.....	161,768	3.51
	Chicago, Burlington & Quincy.....	1	.....	46,253	1.00
	Illinois Traction System, Electric.....	2	.....	16,580	0.36

Table 44—Continued.

Number.	Counties and Railroads.	Number of railroads.	Number of mines.	Tons delivered to each railroad.	Total tons shipped and per cent to each road.
3	St. Clair.....	7			3,990,575
	Illinois Central.....		21	773,517	19.38
	St. Louis & O'Fallon.....		2	645,458	16.17
	Southern.....		10	630,900	15.81
	East St. Louis & Suburban, Electric.....		5	622,941	15.61
	Louisville & Nashville.....		12	477,327	11.96
	Baltimore & Ohio Southwestern.....		6	445,855	11.18
	Vandalia Line.....		1	394,577	9.89
4	Macoupin.....	6			3,870,293
	Macoupin County.....		3	1,574,981	40.69
	Wabash.....		6	1,186,133	30.65
	Chicago, Burlington & Quincy.....		4	561,069	14.50
	Chicago & Alton.....		6	360,835	9.32
	Illinois Central.....		1	155,057	4.01
	Cleveland, Cincinnati, Chicago & St. Louis.....		1	32,218	0.83
5	Madison.....	8			3,397,124
	St. Louis, Troy & Eastern.....		3	1,003,169	29.53
	Litchfield & Madison.....		5	821,651	24.19
	Chicago & Eastern Illinois.....		1	417,630	12.29
	Illinois Central.....		2	413,060	12.16
	Vandalia Line.....		3	373,353	10.99
	Wabash.....		3	254,053	7.48
	Cleveland, Cincinnati, Chicago & St. Louis.....		1	104,408	3.07
	Illinois Traction System, Electric.....		1	9,800	0.29
6	Vermilion.....	4			2,386,530
	Chicago & Eastern Illinois.....		7	1,807,267	75.73
	Cleveland, Cincinnati, Chicago & St. Louis.....		4	491,658	20.60
	Illinois Traction System, Electric.....		2	76,605	3.21
	Wabash.....		1	11,000	0.46
7	Saline.....	3			2,360,252
	Cleveland, Cincinnati, Chicago & St. Louis.....		19	2,344,979	99.35
	Illinois Central.....		1	9,273	0.39
	Louisville & Nashville.....		1	6,000	0.26
8	Fulton.....	3			1,983,837
	Chicago, Burlington & Quincy.....		21	1,580,047	79.65
	Iowa Central.....		5	243,782	12.29
	Toledo, Peoria & Western.....		5	160,008	8.06
9	Franklin.....	4			1,586,000
	Chicago, Burlington & Quincy.....		5	713,933	45.01
	Chicago & Eastern Illinois.....		2	442,058	27.87
	Illinois Central.....		3	275,302	17.36
	St. Louis, Iron Mountain & Southern.....		2	154,707	9.76
10	Bureau.....	4			1,515,408
	Chicago & Northwestern.....		6	951,013	62.76
	Chicago, Milwaukee & St. Paul.....		2	399,760	26.38
	Chicago, Rock Island & Pacific.....		1	113,678	7.50
	Chicago, Burlington & Quincy.....		1	50,957	3.36
11	Perry.....	3			1,477,167
	Illinois Central.....		16	1,159,212	78.48
	Mobile & Ohio.....		2	262,213	17.75
	Wabash, Chester & Western.....		3	55,742	3.77

Table 44—Continued.

Number.	Counties and Railroads.	Number of railroads.	Number of mines.	Tons delivered to each railroad.	Total tons shipped and per cent to each road.
12	Montgomery.....	7			1,284,936
	Chicago & Eastern Illinois.....		3	438,665	34.14
	Cleveland, Cincinnati, Chicago & St. Louis.....		4	422,231	32.86
	Toledo, St. Louis & Western.....		3	408,892	31.82
	Chicago, Burlington & Quincy.....		1	10,943	0.85
	Wabash.....		1	3,598	0.28
	Chicago & Alton.....		1	446	0.04
	Illinois Central.....		1	161	0.01
13	LaSalle.....	7			1,129,243
	Chicago, Burlington & Quincy.....		7	329,720	29.20
	Illinois Central.....		4	311,618	27.60
	Chicago, Rock Island & Pacific.....		4	212,616	18.83
	Chicago, Milwaukee & St. Paul.....		2	158,313	14.02
	Atchison, Topeka & Santa Fé.....		2	87,739	7.77
	Wabash.....		1	16,737	1.48
	Chicago & Alton.....		1	12,500	1.10
14	Christian.....	5			1,122,866
	Wabash.....		3	591,126	52.64
	Illinois Central.....		5	429,401	38.22
	Chicago & Eastern Illinois.....		2	79,262	7.06
	Cleveland, Cincinnati, Chicago & St. Louis.....		2	13,612	1.21
	Baltimore & Ohio Southwestern.....		3	9,765	0.87
15	Grundy.....	3			1,064,467
	Elgin, Joliet & Eastern.....		9	1,057,027	99.30
	Atchison, Topeka & Santa Fé.....		2	5,560	0.52
	Chicago & Alton.....		2	1,880	0.18
16	Clinton.....	2			1,033,879
	Baltimore & Ohio Southwestern.....		5	698,183	67.53
	Southern.....		2	335,696	32.47
17	Peoria.....	4			847,392
	Iowa Central.....		3	371,440	43.83
	Peoria & Pekin Union.....		3	212,705	25.10
	Toledo, Peoria & Western.....		5	175,264	20.68
	Chicago, Burlington & Quincy.....		4	87,983	10.39
18	Marion.....	2			752,348
	Illinois Central.....		5	751,352	99.87
	Baltimore & Ohio Southwestern.....		2	996	0.13
19	Randolph.....	3			716,286
	Mobile & Ohio.....		3	315,981	44.12
	Illinois Central.....		5	203,449	28.40
	Illinois Southern.....		3	196,856	27.48
20	Jackson.....	3			460,763
	Illinois Central.....		7	385,565	83.68
	Mobile & Ohio.....		2	69,131	15.00
	St. Louis, Iron Mountain & Southern.....		2	6,067	1.32
21	Putnam.....	1			387,329
	Chicago, Milwaukee & St. Paul.....		2	387,329	100.00
22	Mercer.....	2			374,276
	Chicago, Rock Island & Pacific.....		2	230,187	61.50
	Chicago, Burlington & Quincy.....		1	144,089	38.50



Table 44—Continued.

Number.	Counties and Railroads.	Number of railroads.	Number of mines.	Tons delivered to each railroad.	Total tons shipped and per cent to each road.
23	Menard.....	2			325,693
	Chicago, Peoria & St. Louis.....		5	204,642	62.83
	Chicago & Alton.....		4	121,051	37.17
24	Marshall.....	5			321,157
	Atchison, Topeka & Santa Fé.....		1	134,404	41.82
	Toluca, Marquette & Northern.....		1	87,022	27.10
	Illinois Central.....		1	76,365	23.78
	Chicago & Alton.....		1	15,000	4.67
	Chicago, Rock Island & Pacific.....		1	8,466	2.63
25	Logan.....	2			315,013
	Illinois Central.....		4	184,664	58.62
	Chicago & Alton.....		2	130,349	41.38
26	Livingston.....	3			220,104
	Chicago, Indiana & Southern.....		1	151,722	68.93
	Wabash.....		1	58,015	26.36
	Toledo, Peoria & Western.....		1	10,367	4.71
27	Tazewell.....	4			142,947
	Cleveland, Cincinnati, Chicago & St. Louis.....		2	59,454	41.59
	Peoria & Pekin Union.....		2	37,315	26.10
	Atchison, Topeka & Santa Fé.....		2	35,253	24.66
	Lake Erie & Western.....		2	10,925	7.65
28	Will.....	2			141,013
	Chicago & Alton.....		2	78,977	56.01
	Elgin, Joliet & Eastern.....		1	62,036	43.99
29	Shelby.....	3			130,025
	Cleveland, Cincinnati, Chicago & St. Louis.....		1	81,541	62.71
	Illinois Central.....		1	42,284	32.52
	Baltimore & Ohio Southwestern.....		1	6,200	4.77
30	Woodford.....	2			129,437
	Atchison, Topeka & Santa Fé.....		1	80,223	61.98
	Illinois Central.....		1	49,214	38.02
31	Bond.....	3			91,224
	Vandalia Lines.....		2	48,916	53.62
	Chicago, Burlington & Quincy.....		2	31,363	34.38
	Toledo, St. Louis & Western.....		1	10,945	12.00
32	Macon.....	4			86,014
	Wabash.....		2	26,601	30.93
	Cincinnati, Hamilton & Dayton.....		2	22,230	25.84
	Illinois Central.....		1	19,432	22.59
	Vandalia Lines.....		2	17,751	20.64
33	Henry.....	2			72,367
	Chicago, Burlington & Quincy.....		3	69,938	96.64
	Chicago, Rock Island & Pacific.....		1	2,429	3.36
34	Gallatin.....	1			43,089
	Louisville & Nashville.....		1	43,089	100.00
35	Washington.....	2			32,340
	Illinois Central.....		1	31,940	98.76
	Louisville & Nashville.....		1	400	1.24

Table 44—Concluded.

Number.	Counties and Railroads.	Number of railroads.	Number of mines.	Tons delivered to each railroad	Total tons shipped and per cent to each road.
36	McLean.....	4			30,955
	Illinois Central.....		1	18,955	61.23
	Lake Erie & Western.....		1	9,000	29.08
	Cleveland, Cincinnati, Chicago & St. Louis.....		1	2,000	6.46
	Chicago & Alton.....		1	1,000	3.23
37	Kankakee.....	2			14,917
	Illinois Central.....		1	12,377	82.97
	Chicago, Indiana & Southern.....		1	2,540	17.03
38	Rock Island.....	1			12,051
	Chicago, Rock Island & Pacific.....		1	12,051	100.00
39	McDonough.....	1			11,335
	Chicago, Burlington & Quincy.....		1	11,335	100.00
40	White.....	1			7,908
	Baltimore & Ohio Southwestern.....		1	7,908	100.00
41	Hancock.....	1			4,000
	Chicago, Burlington & Quincy.....		1	4,000	100.00
	Tons shipped by railroad.....			43,527,655	
	By boat—Illinois river.....				30,400
	Peoria.....		2	30,400	100.00
	Total tons shipped—State.....			43,558,055	

## COUNTIES SUPPLYING COAL TO RAILROADS.

Table 45 is a list of the forty-one counties in which are located the 407 shipping mines, and shows the number of mines in each county, the number of railroads receiving their product, the total output of shipping mines only and the distribution of the tonnage.

TABLE 45—Counties from which Coal is Shipped, Number of Shipping Mines, Total Output, Tons Shipped, Supplied to Locomotives, Sold to Local Trade, and Consumed or Wasted at the Mines—1908

Number.	COUNTIES.	Number of mines.	Number of railroads.	Total tons shipping mines.	DISTRIBUTION—TONS—			
					Shipped from mines.	Supplied to locomotives at the mines.	Sold to local trade.	Consumed and wasted at the mine.
1	Williamson.....	36	4	5,315,365	5,041,383	16,487	24,089	233,406
2	Sangamon.....	34	9	5,039,334	4,613,712	83,858	180,016	161,748
3	St. Clair.....	56	7	4,280,212	3,990,565	43,633	61,357	184,657
4	Macoupin.....	18	6	4,210,986	3,870,293	68,198	42,385	230,110
5	Madison.....	16	8	3,547,083	3,397,124	9,299	61,688	78,972
6	Vermilion.....	14	4	2,467,832	2,386,530	22,396	20,200	38,706
7	Saline.....	20	3	2,465,602	2,360,252	31,497	27,828	46,025
8	Fulton.....	27	3	2,081,055	1,983,837	32,234	18,889	46,095
9	Franklin.....	10	4	1,678,195	1,586,000	1,301	27,338	63,556
10	Bureau.....	8	4	1,666,578	1,515,408	27,133	28,662	95,375
11	Perry.....	21	3	1,605,125	1,477,167	37,780	23,112	67,066
12	La Salle.....	16	7	1,447,406	1,129,243	115,450	104,430	98,283
13	Christian.....	8	5	1,423,323	1,122,866	64,984	77,926	157,547
14	Montgomery.....	9	7	1,380,668	1,284,936	21,034	37,472	37,226
15	Clinton.....	7	2	1,152,670	1,033,879	49,275	24,125	45,391
16	Grundy.....	9	3	1,146,924	1,064,467	.....	22,111	60,346
17	Marion.....	5	2	954,925	752,348	133,469	33,953	35,155
18	Peoria.....	17	4	922,120	877,792	16,245	7,805	20,278
19	Randolph.....	10	3	756,735	716,286	.....	12,313	28,136
20	Jackson.....	11	3	616,238	460,763	61,369	41,356	52,750
21	Logan.....	4	2	430,010	315,013	27,364	55,253	32,380
22	Putnam.....	2	1	403,136	387,329	3,360	5,862	6,585
23	Marshall.....	3	5	402,730	321,157	43,422	17,887	20,264
24	Mercer.....	3	2	394,353	374,276	1,544	5,884	12,649
25	Menard.....	8	2	370,684	325,693	2,610	25,502	16,879
26	Livingston.....	2	3	239,335	220,104	11,587	2,900	4,744
27	Macon.....	4	4	237,636	86,014	7,709	140,240	3,673
28	Tazewell.....	6	4	191,969	142,947	2,273	41,289	5,460

Table 45—Concluded.

Number.	COUNTIES.	Number of mines.	Number of railroads.	Total tons shipping mines.	DISTRIBUTION—TONS—			
					Shipped from mines.	Supplied to locomotives at the mines.	Sold to local trade.	Consumed and wasted at the mine.
29	Woodford.....	2	2	163,140	129,437	8,307	16,596	8,800
30	Shelby.....	2	3	158,206	130,025	6,360	13,417	8,404
81	Will.....	3	2	156,514	141,013	.....	9,001	6,500
32	McLean.....	2	4	122,416	30,955	28,501	45,862	17,098
33	Bond.....	3	3	103,518	91,224	.....	6,452	5,842
34	Henry.....	3	2	81,959	72,367	.....	7,563	2,029
35	Washington.....	2	2	75,548	32,340	17,608	19,600	6,000
36	Gallatin.....	1	1	52,544	43,089	3,676	2,179	3,600
37	White.....	1	1	19,480	7,908	3,897	6,285	1,390
38	Kankakee.....	1	2	17,801	14,917	.....	1,305	1,579
39	Rock Island.....	1	1	14,261	12,051	.....	2,000	210
40	Mc Donough.....	1	1	11,864	11,335	.....	529	.....
41	Hancock.....	1	1	4,250	4,000	.....	250	.....
	Totals.....	407	.....	47,809,730	43,558,055	1,003,860	1,302,901	1,944,914

## DAYS OF ACTIVE OPERATION.

Table 46 shows the average number of working days, in connection with the number of mines, men and tons, at all mines and for both shipping and local mines, in the several districts, for the past year. The record of the shipping mines shows substantially the true conditions as to men employed and days worked. The number of men employed in these mines represent over ninety-five per cent of all employés, the average working time was 191 days.

TABLE 46—*Days of Active Operation, by Districts.*

DISTRICTS.	MINES, MEN AND AVERAGE WORKING DAYS.								
	ALL MINES.			SHIPPING MINES.			LOCAL MINES.		
	Mines.	Men.	Days.	Mines.	Men.	Days.	Mines.	Men.	Days.
First.....	63	6,800	217.30	29	6,379	226.76	34	421	206.97
Second.....	131	5,802	150.60	15	5,134	201.07	116	668	144.39
Third.....	103	4,125	167.64	26	3,627	212.96	77	498	152.23
Fourth.....	146	4,306	165.33	37	3,841	199.20	109	465	152.69
Fifth.....	47	4,357	186.49	18	4,047	205.38	29	310	174.27
Sixth.....	71	8,044	170.30	46	7,854	189.55	25	190	143.76
Seventh.....	75	9,054	176.60	37	8,749	187.21	38	305	168.00
Eighth.....	112	9,362	173.71	75	9,106	173.37	37	256	189.38
Ninth.....	67	7,928	185.00	56	7,835	188.82	11	93	164.53
Tenth.....	107	11,063	154.86	68	10,898	179.05	39	165	110.41
The State.....	922	70,841	171.44	407	67,470	190.65	515	3,371	160.69

Table 47 presents the record of mines, men and days for the past sixteen years. The average number of days for the shipping mines this year is less, with one exception, than for any year during the past decade.

TABLE 47—*Days of Active Operation, for a Series of Sixteen Years.*

YEAR.	MINES, MEN AND AVERAGE WORKING DAYS.								
	ALL MINES.			SHIPPING MINES.			LOCAL MINES.		
	Mines.	Men.	Days.	Mines.	Men.	Days.	Mines.	Men.	Days.
1893.....	788	35,390	229.6	310	28,737	229.6	478	6,653	161
1894.....	836	38,477	183.1	319	31,243	183.1	517	7,234	157
1895.....	874	38,630	182.2	319	31,174	182.2	555	7,456	155
1896.....	901	37,032	186.0	330	28,185	186.0	571	8,847	159
1897.....	853	33,788	185.5	310	31,322	185.5	543	2,466	167.1
1898.....	881	35,026	156.8	329	32,297	174.7	552	2,729	156.8
1899.....	889	36,991	174.6	323	34,307	205.7	566	2,684	175
1900.....	920	39,384	182.6	323	36,298	214.0	597	3,084	166.4
1901.....	915	44,143	174.3	331	40,940	204.4	584	3,217	157
1902.....	915	46,005	179.5	332	42,807	210.2	583	3,198	161.9
1903.....	933	49,814	192.1	353	46,494	221.8	580	3,320	170.7
1904.....	932	54,774	197.9	380	51,384	213.3	552	3,390	184.9
1905.....	990	59,230	173.7	397	55,743	198.5	593	3,487	158
1906.....	1,018	62,283	172.0	419	58,851	189.6	599	3,432	160.3
1907.....	933	66,714	184.1	411	63,154	209.3	522	3,560	164.2
1908.....	922	70,841	171.44	407	67,470	190.65	515	3,371	160.69

## VALUE OF COAL PER TON.

Table 48 presents for shipping mines, and by districts, the total tons, all grades, and the average value per ton at the mines for the past four years. The last line of the table gives the tons and value of the local mines. The value per ton of the different grades of coal, was not secured from operators this year, in addition to the value of all grades. The value of the several grades, as heretofore shown in these reports, is therefore omitted this year. However, the following table, gives, by districts, the total tons, of shipping mines, all grades, and the average value per ton at the mines, for the past four years. These average values are derived from the total tonnage and the aggregate value as returned by the operators.

It will be noticed that, in the several districts, there is only slight variations of these values, as shown this year, compared with the three previous years. For the State, the values are substantially identical for the four years.

The change as to the several grades of coal, as stated, eliminates from this report, the showing of the tons of lump coal and value per ton as given in former reports for twenty-six years.

TABLE 48—*Total Tons, Shipping Mines, all Grades and Average Value per Ton at the Mines, by Districts, also Local Mines, for Four Years.*

Districts.	1908.		1907.		1906.		1905.	
	Total tons— all grades.	Average value per ton.	Total tons— all grades.	Average value per ton.	Total tons— all grades.	Average value per ton.	Total tons— all grades.	Average value per ton.
First.....	2,768,645	\$1.472	2,979,910	\$1.439	2,843,504	\$1.412	3,252,282	\$1.333
Second.....	2,157,151	1.352	2,415,920	1.437	2,087,227	1.401	2,942,229	1.402
Third.....	2,130,461	1.346	2,043,203	1.30	1,675,654	1.29	2,774,498	1.058
Fourth.....	2,411,554	1.124	2,296,063	1.197	1,843,293	1.153	4,303,295	1.138
Fifth.....	2,705,468	1.017	3,096,833	1.01	2,128,332	1.021	7,329,825	0.954
Sixth.....	5,840,028	0.973	5,693,210	0.922	5,097,776	0.975	8,392,443	0.834
Seventh.....	7,173,183	0.944	6,657,746	0.948	4,815,953	0.982	6,961,971	0.905
Eighth.....	7,930,813	0.889	7,991,535	0.857	7,189,785	0.866	.....	.....
Ninth.....	6,242,678	0.95	5,563,602	0.952	4,110,043	0.927	.....	.....
Tenth.....	8,449,749	0.943	7,698,816	0.956	5,331,244	0.934	.....	.....
Shipping mines.....	47,809,730	\$ 1.02	46,436,839	\$1.022	37,122,811	\$1.029	35,956,543	\$1.021
Local mines.....	1,462,722	1.495	1,361,782	1.502	1,194,770	1.056	1,226,831	1.612

## MINE EMPLOYEES.

Table 49 is a classification by districts, of miners and others employed in and around the coal mines of the State.

Of the total number employed at the shipping mines ninety-one per cent worked underground, 75.2 per cent of these were miners, 22.3 per cent other employés and 2.5 per cent boys. The total number working at the shipping mines was 67,470, an increase of 6.8 per cent over last year.

TABLE 49—*Classification of Employés in Shipping Mines, by Districts, with the Employés of Local Mines.*

DISTRICTS.	ALL EMPLOYES UNDERGROUND				Above ground.	Total.
	Miners.	Other employés.	Boys.	Total.		
First.....	4,547	1,125	141	5,813	566	6,379
Second.....	3,631	975	144	4,750	384	5,134
Third.....	2,649	592	93	3,334	293	3,627
Fourth.....	2,761	690	71	3,522	319	3,841
Fifth.....	2,852	915	74	3,841	206	4,047
Sixth.....	5,363	1,591	233	7,187	667	7,854
Seventh.....	5,599	2,128	253	7,980	769	8,749
Eighth.....	6,253	1,806	173	8,232	874	9,106
Ninth.....	5,375	1,522	129	7,026	809	7,833
Tenth.....	7,164	2,382	238	9,784	1,114	10,898
Totals.....	46,194	13,726	1,549	61,469	6,001	67,470
Local mines.....	2,737	203	15	2,955	416	3,371
The State.....	48,731	13,929	1,564	64,424	6,417	70,841



Table 50 shows the classification of all employés working at the coal mines of the State for the past ten years. The last line of the table gives the percentages of increase of the number in each class for the series of years.

TABLE 50—*Classification of Employés in all Mines for Ten Years.*

YEAR.	ALL EMPLOYES UNDERGROUND.				Above ground.	Aggregate.
	Miners.	Other employés.	Boys.	Total.		
1899.....	26,449	5,455	1,295	33,199	3,792	36,991
1900.....	27,875	6,047	1,281	35,203	4,181	39,384
1901.....	30,829	7,595	1,326	39,750	4,393	44,143
1902.....	32,875	7,273	1,397	41,518	4,487	46,005
1903.....	34,904	8,526	1,276	44,703	5,111	49,814
1904.....	37,987	9,812	1,562	49,361	5,413	54,774
1905.....	41,202	10,694	1,540	53,436	5,794	59,230
1906.....	42,920	11,605	1,499	56,024	6,259	62,283
1907.....	45,498	13,026	1,595	60,119	6,596	66,714
1908.....	48,931	13,929	1,564	64,424	6,417	70,841
Per cent increase.....	85.0	155.3	20.8	94.1	69.2	91.5

Table 51 shows the number of employes at the mines of the State, by districts, for a series of twenty-six years.

TABLE 51—*Employes in Coal Mines of the State for a Series of Twenty-six Years, by Districts.*

YEARS.	DISTRICTS.										The [State.
	First.	Second.	Third.	Fourth.	Fifth.	Sixth.	Seventh.	Eighth.	Ninth.	Tenth.	
1883.....	7,566	3,211	4,070	4,417	4,675	.....	.....	.....	.....	.....	23,939
1884.....	8,013	3,616	5,918	4,781	4,147	.....	.....	.....	.....	.....	25,575
1885.....	7,463	3,391	5,213	4,950	4,429	.....	.....	.....	.....	.....	25,446
1886.....	7,613	3,599	4,870	5,197	4,567	.....	.....	.....	.....	.....	25,846
1887.....	7,915	4,068	4,903	4,934	4,984	.....	.....	.....	.....	.....	26,804
1888.....	8,623	4,914	5,250	5,086	5,537	.....	.....	.....	.....	.....	29,410
1889.....	9,014	4,498	5,117	5,679	5,764	.....	.....	.....	.....	.....	30,076
1890.....	8,258	4,099	5,171	5,685	5,361	.....	.....	.....	.....	.....	28,574
1891.....	9,128	5,089	6,458	5,881	6,395	.....	.....	.....	.....	.....	32,951
1892.....	9,572	4,865	6,453	6,542	6,200	.....	.....	.....	.....	.....	33,632
1893.....	8,831	5,974	6,964	7,021	6,780	.....	.....	.....	.....	.....	35,390
1894.....	10,280	6,714	7,112	7,750	6,621	.....	.....	.....	.....	.....	38,477
1895.....	9,644	7,184	6,607	8,005	7,190	.....	.....	.....	.....	.....	38,630
1896.....	9,330	7,103	2,134	4,467	5,758	4,374	3,816	.....	.....	.....	37,032
1897.....	7,632	6,872	1,635	4,021	5,672	4,100	3,856	.....	.....	.....	33,788
1898.....	7,377	6,799	1,800	3,030	6,093	4,662	4,265	.....	.....	.....	35,026
1899.....	7,498	6,631	1,799	4,655	6,401	5,008	4,999	.....	.....	.....	36,991
1900.....	7,722	5,693	3,864	5,545	5,983	5,885	4,692	.....	.....	.....	39,384
1901.....	7,872	6,306	3,760	6,950	6,837	6,871	5,457	.....	.....	.....	44,143
1902.....	8,035	6,583	4,268	5,579	7,564	7,929	5,947	.....	.....	.....	46,005
1903.....	7,717	6,860	4,363	6,771	8,393	8,354	7,356	.....	.....	.....	49,814
1904.....	8,038	7,362	4,808	7,293	9,541	9,665	8,067	.....	.....	.....	54,774
1905.....	8,157	7,761	5,397	7,441	10,175	10,636	9,663	.....	.....	.....	59,230
1906.....	7,091	6,293	3,623	3,845	3,997	7,856	6,895	8,633	6,380	7,670	62,283
1907.....	6,950	5,837	3,957	4,045	4,671	7,729	7,827	9,343	7,234	9,121	66,714
1908.....	6,800	5,802	4,125	4,306	4,357	8,044	9,054	9,362	7,928	11,063	70,841

## PRICES PAID FOR MINING.

Table 52 presents, by districts, the tons mined by hand and by machine. The average prices per ton for both hand and machine mining are found by computations, applying the price paid per ton to the total tons produced, at each individual mine. There are several different rates for hand mining under the agreement between the miners and operators, in each district. The different rates are brought to a level average for each district and for the State by this reckoning as stated.

TABLE 52—Average Price Paid for Mining by Hand and by Machine, at Shipping and Local Mines, by Districts—1908.

DISTRICTS.	MINING BY HAND.				MACHINE MINING.	
	SHIPPING MINES.		LOCAL MINES.		SHIPPING MINES.	
	Tons.	Average price per ton.	Tons.	Average price per ton.	Tons.	Price per ton.
First.....	2,768,645	\$0.83	211,583	\$0.79	.....	.....
Second.....	2,157,151	0.762	216,784	0.977	.....	.....
Third.....	2,130,461	0.689	240,303	0.75	.....	.....
Fourth.....	2,411,554	0.64	113,048	0.882	.....	.....
Fifth.....	2,655,511	0.56	196,901	0.55	49,957	\$0.5724
Sixth.....	5,093,446	0.559	83,169	0.601	746,582	0.48
Seventh.....	3,095,238	0.554	58,776	0.561	*4,083,354	0.48
Eighth.....	3,338,639	0.55	170,450	0.557	4,592,174	0.48
Ninth.....	3,781,217	0.52	50,923	0.555	2,461,461	0.463
Tenth.....	5,172,854	0.478	115,376	0.56	3,276,895	0.431
The State.....	32,604,716	\$0.593	1,457,313	\$0.803	15,210,423	\$0.467

\* 5,409 tons cut in local mine.

Table 53 presents, for a series of eight years, the total tons mined by hand and by machine with the average rates paid per ton by each process.

TABLE 53—*Total Tonnage and Average Prices Paid for Hand and Machine Mining for a Series of Eight Years—1901-1908.*

YEARS.	HAND MINING.		MACHINE MINING.	
	Tons.	Price per ton.	Tons.	Price per ton.
1901.....	20,172,779	\$0.564	5,774,639	\$0.412
1902.....	22,186,812	0.564	6,647,086	0.395
1903.....	26,042,014	0.57	7,646,777	0.434
1904.....	28,648,682	0.593	7,130,835	0.466
1905.....	27,762,968	0.578	8,193,575	0.443
1906.....	27,566,480	0.57	9,563,230	0.442
1907.....	31,854,438	0.592	14,490,454	0.479
1908.....	32,604,716	0.593	15,210,403	0.467

## EARNINGS OF MINERS.

Table 54 presents the earnings in shipping mines where the coal is mined strictly by hand. The computations shown in the table are based on the number of miners in each mine, employed during the year, the number of days each mine was in operation, the tons of coal produced by each mine, and the price paid per ton at each mine for mining the coal. Therefore the results arrived at are approximately correct.

TABLE 54—*Earnings of Coal Miners, Hand Mining Exclusively in Shipping Mines for the Year Ending June 30, 1908, by Districts.*

DISTRICTS.	Number of mines.	Average days worked.	Total tons mined.	Average rate per ton.	Gross earnings.	Average tons per man per year.	Average earnings per man per year.	Average tons per man per day.	Average earnings per man per day.
First.....	4,547	229	2,768,645	\$0.83	\$2,293,153	609.	\$504.32	2.72	\$2.22
Second.....	3,631	201	2,157,151	0.762	1,644,194	594.	450.07	2.95	2.24
Third.....	2,649	213	2,130,461	0.689	1,465,470	804.	553.21	3.77	2.59
Fourth.....	2,761	199	2,411,554	0.64	1,521,191	873.	550.92	4.38	2.77
Fifth.....	2,425	203	2,266,430	0.5567	1,261,708	935.	520.25	4.55	2.56
Sixth.....	4,732	185	4,862,060	0.5603	2,724,299	1,027.	575.72	5.55	3.11
Seventh.....	2,805	171	2,963,134	0.5876	1,741,077	1,056.	620.70	6.18	3.62
Eighth.....	2,332	159	2,623,994	0.5498	1,442,754	1,125.	618.68	7.45	4.10
Ninth.....	3,211	176	3,359,827	0.5183	1,741,434	1,046.	542.33	5.94	3.08
Tenth.....	3,513	174	3,995,644	0.5003	1,999,130	1,137.	626.62	6.53	3.53
The State.....	32,606	188	29,538,900	\$0.6037	\$17,834,410	906.	\$546.97	4.82	\$2.91
1907.....	22,186	209.	30,796,283	\$0.592	\$18,231,400	927.99	\$549.39	4.44	\$2.63
1906.....	30,742	189.60	25,628,945	0.5702	14,767,153	833.68	480.86	4.40	2.54
1905.....	31,185	198.49	26,566,481	0.5782	15,353,039	851.90	492.32	4.29	2.48
1904.....	28,717	213.3	27,091,501	0.5989	16,233,869	943.39	565.30	4.42	2.65
1903.....	25,878	224.1	24,455,225	0.5699	14,043,280	944.63	542.67	4.22	2.42
1902.....	24,229	209.8	20,616,155	0.5645	11,638,120	850.88	480.34	4.06	2.29
1901.....	22,206	203.0	18,227,130	0.5690	10,372,670	821.00	467.11	4.04	2.30

## MACHINE MINING.

Table 55 presents, by districts, the number of mines, men, machines and tons, in mines where machines are used exclusively, and the number of mines, machines and tons, where only a part of the coal is cut by machines. Mining coal by machine is confined, almost exclusively, to the seventh, eighth, ninth and tenth districts.

TABLE 55—*Machine Mining—Mines, Men, Machines, Tons, by Districts—1908.*

DISTRICTS.	MINES IN WHICH MACHINES ARE USED—									
	EXCLUSIVELY.				IN PART.			TOTAL.		
	Mines.	Men.	Machines.	Tons.	Mines.	Machines.	Tons.	Mines.	Machines.	Tons.
Fifth.....					2	16	49,957	2	16	49,957
Sixth.....	1	382	12	368,548	2	19	378,034	3	31	746,582
Seventh.....	15	3,908	286	3,799,844	3	20	283,510	18	306	4,083,354
Eighth.....	20	3,895	222	3,587,939	10	123	1,004,235	30	345	4,592,174
Ninth.....	10	2,048	131	1,678,822	9	88	782,639	19	219	2,461,461
Tenth.....	14	2,124	103	1,811,132	19	140	1,465,763	33	243	3,276,895
The State.....	60	12,357	754	11,246,285	45	406	3,964,138	105	1,160	15,210,423

Table 56 presents the record of machine mining for the past nine years. The number of mines in which the coal is mined exclusively by machines, is the same as last year, the tons cut increased eight per cent. The number of mines where only part of the coal is cut by machines increased over last year by four, the number of machines forty-nine, but there was a decrease of over 90,000 tons in the coal produced.

TABLE 56—*Machine Mining—Mines, Men, Machines, Tons, for Nine Years.*

YEAR.	MINES IN WHICH MACHINES ARE USED—									
	EXCLUSIVELY.			IN PART.			TOTAL.			
	Mines.	Men.	Machines.	Tons.	Mines.	Machines.	Tons.	Mines.	Machines.	Tons.
1900.....	38	3,883	272	3,765,601	29	158	1,817,993	67	430	5,583,594
1901.....	29	3,499	280	3,761,270	34	184	2,015,369	63	464	5,774,639
1902.....	34	4,811	308	4,460,025	30	156	2,037,098	64	464	6,497,123
1903.....	33	4,378	292	4,393,052	35	230	3,253,725	68	522	7,646,777
1904.....	40	3,691	400	4,903,184	27	223	2,237,243	67	623	7,140,427
1905.....	52	4,635	560	6,406,571	24	224	1,795,495	76	784	8,202,066
1906.....	57	6,137	685	7,638,536	28	277	1,924,694	85	962	9,563,230
1907.....	60	6,858	748	10,434,573	41	357	4,055,881	101	1,105	14,490,454
1908.....	60	12,357	754	11,246,285	45	406	3,964,138	105	1,160	15,210,423

Table 57 shows the name and number of machines in use during the year, by districts.

TABLE 57—*Name and Number of Mining Machines in Use, by Districts—1908.*

Districts.	Sullivan	Ingersoll-Sergeant.	Harrison.	Goodman.	Morgan-Gardner.	Jeffrey.	Herzler & Henninger.	Electric.	Link Belt.	Yock.	Belleville.	Total.
Fifth.....	12		4									16
Sixth.....				18	11	2						31
Seventh.....	96	72	97	25	12	2				1	1	306
Eighth.....	177	68	28	29	1	19	23					345
Ninth.....	81	33	17	48	28	8			4			219
Tenth.....	110	23	35	7	60	3		5				243
The State.....	476	196	181	127	112	34	23	5	4	1	1	1,160

Table 58 presents the name and number of machines in use during a series of nine years.

TABLE 58—*Name and Number of Mining Machines in Use for Nine Years*

Year.	Sullivan.	Ingersoll-Sergeant.	Harrison.	Goodman.	Morgan-Gardner.	Jeffrey.	Herzler & Henninger.	Yock.	Link Belt.	Lee.	Butler.	Electric.	Belleville.	Total.
1900.....	40	119	197	.....	19	30	1	5	19	.....	.....	.....	.....	430
1901.....	33	132	178	.....	32	33	13	24	19	.....	.....	.....	.....	464
1902.....	36	133	160	32	22	31	20	28	.....	.....	2	.....	.....	464
1903.....	82	95	178	15	15	50	33	31	21	.....	2	.....	.....	522
1904.....	131	142	210	29	27	29	22	27	4	.....	2	.....	.....	623
1905.....	183	178	236	49	19	41	40	33	4	.....	1	.....	.....	784
1906.....	315	197	244	82	28	33	35	25	.....	3	.....	.....	.....	962
1907.....	427	221	195	112	74	35	26	8	4	3	.....	.....	.....	1,105
1908.....	476	196	181	127	112	34	23	1	4	.....	.....	5	1	1,160

Table 59 is a list of the mines in which the coal is cut exclusively by machines. The number of mines shown in this table is sixty, the number of machines 754 and the number of tons 11,246,285.

TABLE 59—*Mines in which Machines are Used Exclusively.*

Number.	COMPANY.	Location.	MACHINES.		Tons.
			No.	Name.	
1	Superior Coal Co. No. 1.....	Gillespie.....	41	Ingersoll-Sergeant.....	566,670
2	Superior Coal Co. No. 2.....	Sawyerville.....	41	{ 28 Sullivan..... 13 Ingersoll-Sergeant..... }	554,923
3	New Staunton Coal Co.....	Livingston.....	11	Goodman.....	530,159
4	Zeigler Coal Co.....	Zeigler.....	22	Goodman.....	522,722
5	Superior Coal Co. No. 3.....	Gillespie.....	40	{ 27 Harrison..... 11 Sullivan..... 2 Jeffrey..... }	509,927
6	Consolidated Coal Co. No. 17.....	Collinsville.....	30	{ 29 Sullivan..... 1 Harrison..... }	440,666
7	Mt. Olive & Staunton Coal Co.....	Williamson.....	10	{ 8 Goodman..... 2 Jeffrey..... }	417,528
8	Big Muddy Coal & Iron Co. No. 8.....	Clifford.....	32	{ 28 Sullivan..... 4 Ingersoll-Sergeant..... }	413,709
9	Chicago, Wilmington & Ver. Coal Co.....	Thayer.....	12	{ 11 Morgan-Gardner..... 1 Goodman..... }	368,548
10	Consolidated Coal Co. No. 14.....	Staunton.....	26	Sullivan.....	365,927



Table 59—Continued.

Number.	COMPANY.	Location.	MACHINES.		Tons.
			No.	Name.	
11	Donk Bros. Coal & Coke Co. No. 1.....	Maryville.....	33	Sullivan.....	351,995
12	Southern Coal Co. No. 9.....	New Baden.....	31	Sullivan.....	333,912
13	Mt. Olive & Staunton Coal Co. No. 1....	Staunton.....	10	{ 7 Jeffrey..... 3 Sullivan..... }	325,254
14	Consolidated Coal Co. No. 15.....	Mt. Olive.....	27	Sullivan.....	320,066
15	O'Gara Coal Co. No. 9.....	Harrisburg.....	8	Morgan-Gardner.....	277,409
16	Hillsboro Coal Co.....	Hillsboro.....	8	Morgan-Gardner.....	264,499
17	Lumaghi Coal Co. No. 2.....	Collinsville.....	29	Sullivan.....	253,341
18	Carterville District Coal Co.....	Marion.....	12	Sullivan.....	250,500
19	Consolidated Coal Co. No. 6.....	Staunton.....	19	{ 18 Harrison..... 1 Yock..... }	235,218
20	Southern Coal & Mining Co. No. 8.....	Belleville.....	7	{ 5 Jeffrey..... 1 Goodman..... 1 Morgan-Gardner..... }	233,736
21	Willis Coal & Mining Co. No. 6.....	Percy.....	7	Goodman.....	216,701
22	Consolidated Coal Co. No. 8.....	Mt. Olive.....	17	Harrison.....	199,222
23	O'Gara Coal Co. No. 4.....	Harrisburg.....	7	Morgan-Gardner.....	193,664
24	Madison Coal Corporation No. 5.....	Mt. Olive.....	17	Ingersoll-Sergeant.....	183,056
25	Kortkamp Coal Co. No. 1.....	Hillsboro.....	8	Goodman.....	173,458
26	De Camp Coal Mining Co.....	Staunton.....	6	Goodman.....	164,758
27	O'Gara Coal Co. No. 10.....	Eldorado.....	6	Morgan-Gardner.....	161,783
28	O'Gara Coal Co. No. 7.....	Carrier Mills....	5	Morgan-Gardner.....	161,698
29	Superior Coal & Mining Co.....	Belleville.....	12	Herzler-Henninger.....	153,797
30	Stonington Coal Co.....	Stonington.....	6	Goodman.....	142,894
31	Consolidated Coal Co. No. 10.....	Mt. Olive.....	19	{ 18 Harrison..... 1 Belleville..... }	132,116
32	Kerns-Donnewald Coal Co.....	Worden.....	7	{ 5 Jeffrey..... 2 Goodman..... }	131,988
33	Trenton Mining Co.....	Trenton.....	24	Ingersoll-Sergeant.....	127,369
34	O'Gara Coal Co. No. 8.....	Eldorado.....	5	Morgan-Gardner.....	125,678
35	W. P. Rend Coal Co.....	Benton.....	10	Morgan-Gardner.....	113,831
36	Consolidated Coal Co. No. 7.....	Staunton.....	11	Harrison.....	108,908
37	Moffat Coal Co.....	Sparta.....	12	Sullivan.....	106,579
38	Lumaghi Coal Co. No. 3.....	Collinsville.....	11	Sullivan.....	104,931
39	Missouri & Illinois Coal Co.....	Willisville.....	6	Goodman.....	100,929
40	Breese-Trenton Coal Co.....	Breese.....	17	{ 15 Ingersoll-Sergeant... 2 Harrison..... }	88,999
41	Consolidated Coal Co.....	Collinsville.....	6	Harrison.....	88,966
42	Illinois Fuel Co.....	Sparta.....	4	Goodman.....	68,565
3	Big Muddy River Coal Co.....	Johnston City..	9	{ 6 Sullivan..... 3 Harrison..... }	62,794

Table 59—Concluded.

Number.	COMPANY.	Location.	MACHINES.		Tons.
			No.	Name.	
44	O'Gara Coal Co.....	Eldorado.....	4	Morgan-Gardner.....	61,665
45	Borders Coal Co. No. 2.....	Marissa.....	8	Sullivan.....	59,494
46	Southern Coal & Mining Co. No. 1.....	Belleville.....	5	Sullivan.....	51,902
47	Interstate Coal & Mining Co.....	Staunton.....	3	Sullivan.....	50,289
48	Hart-Williams Coal Co.....	Benton.....	5	Morgan-Gardner.....	49,914
49	Southern Coal & Mining Co. No. 3.....	Belleville.....	5	Herzler-Henninger.....	49,431
50	Beaty Coal Co.....	Mascoutah.....	4	{ 2 Sullivan..... 2 Harrison..... }	39,600
51	Gus Blair & B. M. Coal Co. No. 1.....	Murphysboro.....	5	Ingersoll-Sergeant.....	39,122
52	Dering Coal Co. No. 18.....	W. Frankfort.....	10	Sullivan.....	38,300
53	Consolidated Coal Co., Gillespie.....	Gillespie.....	6	Harrison.....	37,551
54	West Virginia Coal Co.....	Marissa.....	3	{ 2 Morgan-Gardner..... 1 Jeffrey..... }	37,062
55	Southern Coal & Mining Co. No. 4.....	Belleville.....	4	Harrison.....	28,383
56	Dewey Coal Co.....	do.....	4	{ 3 Harrison..... 1 Herzler-Henninger..... }	22,722
57	Schmidgall Coal Co.....	Murphysboro.....	3	Harrison.....	13,848
58	Gus Blair Coal Co. No. 2.....	do.....	2	Harrison.....	7,542
59	Wm. Neil & Co.....	Bunker Hill.....		Harrison.....	5,409
60	Keystone B. M. C. Co.....	Marissa.....	2	Sullivan.....	4,658
			754		11,246,285

Table 60 shows a list of the machines in use, and mines where coal is cut exclusively by machines. In forty-three mines, six of the leading machines were used singly, besides being used in conjunction with other machines.

TABLE 60—*Machine Mining exclusively, Name and Number of Machines, Number of Mines, Men, Days and Tons.*

Names of Machines.	Machines.	Mines.	Men.	Days.	Tons.
Sullivan.....	209	13	2,676	173	2,291,894
Ingersoll-Sergeant.....	87	4	1,112	179	916,217
Goodman.....	70	8	1,916	215	1,920,186
Morgan-Gardner.....	58	9	1,789	212	1,410,141
Harrison.....	49	7	600	186	484,384
Herzler-Henninger.....	17	2	202	165	203,228
Sullivan, 56—Ingersoll-Sergeant, 17.....	73	2	880	223	968,632
Harrison, 27—Sullivan, 11—Jeffrey, 2.....	40	1	469	228	509,927
Sullivan, 37—Harrison, 6.....	43	3	497	230	503,496
Harrison, 18—Yock, 1.....	19	1	252	231	235,218
Harrison, 18—Belleville, 1.....	19	1	225	144	132,116
Goodman, 10—Jeffrey, 7.....	17	2	562	187	549,516
Ingersoll-Sergeant, 15—Harrison, 2.....	17	1	150	164	88,999
Morgan-Gardner, 11—Goodman, 1.....	12	1	382	182	368,548
Jeffrey, 7—Sullivan, 3.....	10	1	297	200	325,254
Jeffrey, 5—Goodman, 1—Morgan-Gardner, 1.....	7	1	206	223	233,736
Harrison, 3—Herzler-Henninger, 1.....	4	1	20	152	22,722
Morgan-Gardner, 2—Jeffrey, 1.....	3	1	72	175	37,062
Not reported.....		2	50	195	45,009
Totals.....	754	60	12,357	193	11,246,285

Table 61 is another list of operators and machines where only part of the coal is cut by machines.

TABLE 61—*Mines in which only Part of the Output is Cut by Machines.*

Number.	COMPANY.	Location.	MACHINES.		Tons.
			No.	Name.	
1	Chicago-Carterville Coal Co. A.....	Herrin.....	30	Sullivan.....	384,302
2	St. Louis & O'Fallon Coal Co., No. 2...	Belleville.....	31	do.....	364,419
3	Madison Coal Co., No. 6.....	Divernon.....	11	{ 9 Goodman..... 2 Jeffrey..... }	334,291
4	O'Gara Coal Co., No. 3.....	Harrisburg.....	7	Morgan-Gardner.....	241,093
5	Illinois Collieries Co., No. 1.....	Virden.....	11	Goodman.....	201,075
6	Madison Coal Corporation, No. 2.....	Glen Carbon.....	22	Ingersoll-Sergeant.....	179,199
7	Willis Coal & Mining Co., No. 1.....	Willisville.....	11	{ 6 Goodman..... 5 Sullivan..... }	161,388
8	Odin Coal Co.....	Odin.....	8	{ 4 Jeffrey..... 4 Link-Belt..... }	154,223
9	Benton Coal Co.....	Benton.....	9	{ 6 Morgan-Gardner..... 1 Jeffrey..... 1 Goodman..... 1 Sullivan..... }	138,626
10	United Coal Co.....	Christopher.....	10	{ 7 Morgan-Gardner..... 2 Goodman..... 1 Jeffrey..... }	135,537
11	Madison Coal Corporation, No. 4.....	Glen Carbon.....	21	Ingersoll-Sergeant.....	133,392
12	Joe Taylor Coal Co., St. Ellans.....	O'Fallon.....	13	Sullivan.....	128,450
13	Sunnyside Coal Co., No. 1.....	Herrin.....	19	do.....	109,813
14	Big Muddy Coal & Iron Co, Harrison..	Murphysboro..	9	Harrison.....	108,060
15	O'Gara Coal Co., No. 2.....	Harrisburg.....	6	Morgan-Gardner.....	103,228
16	Saline County Coal Co., No. 2.....	do.....	4	do.....	95,748
17	Saline County Coal Co., No. 1.....	do.....	4	Ingersoll-Sergeant.....	84,065
18	Southern Coal & Mining Co., No. 7....	Belleville.....	7	Harrison.....	69,569
19	Consumers' Coal & Mining Co., No. 2...	Johnston City..	12	Sullivan.....	67,445
20	Big Muddy Coal & Iron Co., No. 6....	Murphysboro..	9	Harrison.....	59,416
21	Franklin County Collieries Co.....	Sesser.....	20	{ 15 Sullivan..... 5 Ingersoll-Sergeant..... }	54,811
22	Vivian Collieries Co., Green Ridge....	Green Ridge...	4	Morgan-Gardner.....	54,366
23	Royal Coal & Mining Co.....	Belleville.....	9	Sullivan.....	57,400
24	Dering Coal Co., No. 11.....	W. Frankfort...	15	{ 13 Harrison..... 2 Ingersoll-Sergeant..... }	50,280
25	Big Muddy Coal & Iron Co.....	Murphysboro..	5	Electric.....	45,635
26	Black Diamond Coal Co.....	Auburn.....	8	Goodman.....	43,743
27	Chicago & Carbondale Coal Co.....	DeSoto.....	9	Harrison.....	40,000

Table 61—Concluded.

Number.	COMPANY.	Location.	MACHINES.		Tons.
			No.	Name.	
28	Avery Coal Mining Co.....	Winkle.....	7	{ 4 Harrison..... 3 Sullivan..... }	35,646
29	Peabody Coal Co., No. 2.....	Marion.....	4	Goodman.....	31,921
30	Gartside Coal Co., No. 4.....	Murphysboro..	4	Ingersoll-Sergeant.....	31,787
31	Glendale Coal Co.....	Belleville.....	5	Herzler & Henninger.....	29,528
32	Gartside Coal Co., No. 3.....	Murphysboro..	4	Ingersoll-Sergeant.....	28,764
33	Peabody Coal Co., No. 1.....	Nokomis.....	5	{ 4 Sullivan..... 1 Ingersoll-Sergeant..... }	28,069
34	Henrietta Coal Co.....	Edwardsville..	8	{ 7 Ingersoll-Sergeant... 1 Harrison..... }	27,946
35	Southern Coal & Mining Co., No. 11....	Germantown..	4	{ 2 Jeffrey..... 2 Sullivan..... }	26,121
36	Manufacturers' & Consumers' C. Co....	Decatur.....	4	Harrison.....	25,260
37	Little Vermilion Coal Co.....	Georgetown..	12	Sullivan.....	24,697
38	Pocahontas Mining Co.....	Pocahontas...	6	{ 3 Ingersoll-Sergeant... 2 Harrison..... 1 Sullivan..... }	13,790
39	Jupiter Coal Mining Co., No. 5.....	Duquoin.....	4	{ 2 Ingersoll-Sergeant... 2 Sullivan..... }	26,007
40	Harrisburg Southern Coal Co.....	Grayson.....	6	Morgan-Gardner.....	13,400
41	Scranton & Big Muddy Coal Co.....	Marion.....	3	{ 2 Ingersoll-Sergeant... 1 Sullivan..... }	8,283
42	Eldorado Mining Co.....	Eldorado.....	2	Goodman.....	7,000
43	Peabody Coal Co., No. 3.....	Marion.....	2	{ 1 Jeffrey..... 1 Goodman..... }	3,303
44	Madison Coal Corporation, No. 8.....	Dewmaine.....	1	Jeffrey.....	2,500
45	Donk Bros. Coal & Coke Co.....	Donkville.....	1	Goodman.....	542
			406		3,964,138

## POWDER USED IN MINES.

Table 62 shows, by districts, all mines of the State both shipping and local in which powder is used for blasting the coal. All employes are included in the number of men. Comparing each item of the table with those of last year, it is found that the number of mines increased three per cent, men 7.8 per cent, kegs of powder 5.3 per cent and tons of coal 7.3 per cent. Directing attention to the number of tons of coal reduced by powder in the mines of the State, and the number of men employed during the past year, it is found that this tonnage amounts to 91.7 per cent of the total product for the year, and 84.6 per cent of all employes.

The powder cost the men \$2,324,795.00 or \$38.78 to each person employed. The same showing is made for the eight previous years.

TABLE 62—*Distribution of Powder Used in all Mines, by Districts, and for Eight Previous Years.*

DISTRICTS.	POWDER USED IN BLASTING COAL.					
	Mines.	Men.	Kegs.	Tons of coal.	Kegs per man.	Tons per keg.
First.....	36	3,868	22,703	1,658,089	5.87	73.03
Second.....	50	1,464	42,135	896,826	2.87	21.24
Third.....	87	2,007	68,427	1,382,666	34.90	20.21
Fourth.....	86	3,814	129,396	2,389,320	60.15	10.42
Fifth.....	44	4,171	100,183	2,801,928	24.02	27.96
Sixth.....	69	8,041	268,465	5,922,797	33.38	22.06
Seventh.....	39	8,275	113,472	7,178,183	13.71	63.25
Eighth.....	108	9,347	164,830	8,098,762	17.63	49.13
Ninth.....	67	7,925	179,755	6,293,556	22.68	35.01
Tenth.....	116	11,031	239,088	8,550,044	19.03	40.71
The State.....	702	59,943	1,328,454	45,172,171	23.51	32.28
1907.....	681	55,591	1,261,910	42,080,835	22.70	33.35
1906.....	727	34,452	1,027,373	34,260,359	29.82	33.25
1905.....	556	33,115	928,500	32,898,350	28.34	35.05
1904.....	591	29,924	923,418	32,336,448	30.86	35.02
1903.....	639	40,267	806,311	30,937,409	20.02	38.37
1902.....	657	36,559	637,448	25,566,523	17.40	40.01
1901.....	585	34,570	477,612	16,283,180	13.82	34.09
1900.....	621	29,677	490,713	19,979,219	16.50	40.71

Table 63 shows the distribution of powder in all shipping mines, by districts. The number of miners shown in this table does not include any other class of employés working in the mines.

The number of kegs of powder to each man, for the State, was 32.8, while thirty-four tons of coal was produced to each keg exploded.

TABLE 63—*Distribution of Powder in all Shipping Mines, by Districts.*

Districts.	Number of mines.	Number of miners.	Total number of tons.	Number of kegs of powder.	Number of kegs per man.	Number of tons per keg.
First.....	19	2,593	1,515,249	17,718	7.02	85.51
Second.....	7	775	775,903	37,023	47.77	20.96
Third.....	18	1,117	1,146,455	55,852	50.00	20.53
Fourth.....	34	2,544	2,306,542	125,161	49.59	18.28
Fifth.....	16	2,707	2,606,327	95,781	35.38	27.21
Sixth.....	46	5,363	5,840,028	264,835	49.38	22.05
Seventh.....	37	5,599	7,173,183	113,332	20.23	63.30
Eighth.....	75	6,253	7,930,813	159,223	25.46	47.93
Ninth.....	56	5,375	6,242,678	178,519	33.29	35.03
Tenth.....	67	7,131	8,439,749	236,385	33.95	35.70
Totals.....	375	39,457	43,976,927	1,283,629	32.77	34.24

Tables 64, 65 and 66, show by districts, the use of powder in three classes of shipping mines. Table 64 gives the record where the coal is mined by hand. In these mines, each miner used an average of 38.7 kegs, every keg of powder producing 25.1 tons of coal.

Table 65 is the record of mines where machines are used exclusively for cutting the coal. In this class of mines, each miner used 15.6 kegs of powder, which gave him 93.6 tons of coal to every keg.

Table 66 is a list of mines where coal is mined both by hand and machine. In this class the result is 27.1 kegs of powder to each man, and 45.7 tons to each keg.

TABLE 64—Consumption of Powder in Shipping Mines, Hand Mining Exclusively, by Districts.

Districts.	Number of mines.	Number of miners.	Number of tons.	Number of kegs of powder.	Number of kegs per man.	Number of tons per keg.
First.....	19	2,593	1,515,249	17,718	7.02	85.52
Second.....	7	775	775,903	37,023	47.77	20.96
Third.....	18	1,117	1,146,455	55,852	50.00	20.53
Fourth.....	34	2,544	2,306,542	125,161	49.59	18.28
Fifth.....	14	2,230	2,167,291	84,324	36.98	25.70
Sixth.....	43	4,732	4,882,060	246,034	51.99	19.84
Seventh.....	20	2,806	2,962,934	78,089	27.82	37.94
Eighth.....	45	2,580	2,622,894	90,153	36.35	29.06
Ninth.....	37	3,205	3,359,827	123,973	38.68	27.10
Tenth.....	34	3,480	3,985,644	151,771	43.61	26.26
Total.....	271	26,112	25,724,799	1,010,098	38.67	25.48
Percentages.....	72.27	66.19	58.50	78.69	.....	.....

TABLE 65—Consumption of Powder in Shipping Mines, Machine Mining Exclusively, by Districts.

Districts.	Number of mines.	Number of machines.	Number of miners.	Number of tons.	Number of kegs.	Number of kegs per man.	Number of tons per keg.
Sixth.....	1	12	235	368,548	4,887	20.80	75.41
Seventh.....	14	286	2,350	3,794,435	26,213	11.58	144.72
Eighth.....	20	212	2,429	3,587,939	32,234	13.27	111.00
Ninth.....	10	127	1,255	1,678,822	29,723	23.60	56.48
Tenth.....	14	103	1,430	1,811,132	27,098	18.95	66.84
Total.....	59	740	7,699	11,240,876	120,155	15.61	93.55
Percentage.....	15.73	.....	19.51	25.56	9.36	.....	.....



TABLE 66—Consumption of Powder in Shipping Mines, Hand and Machine Mining Combined, by Districts.

Districts.	Number of mines.	Number of machines.	Number of miners.	Number of tons.	Number of kegs of powder.	Number of kegs per man.	Number of tons per keg.
Fifth.....	2	16	427	439,036	11,457	26.83	38.32
Sixth.....	2	19	396	589,420	13,914	35.11	42.36
Seventh.....	3	20	443	415,814	9,040	20.41	46.00
Eighth.....	10	123	1,244	1,719,980	36,836	29.61	46.69
Ninth.....	9	88	915	1,204,029	24,523	26.80	49.11
Tenth.....	19	154	2,221	2,642,973	57,601	25.93	44.88
Totals.....	45	420	5,646	7,011,252	153,376	27.17	45.71
Percentages.....	12.00	.....	14.30	15.94	11.91	.....	.....

Table 67 presents for the past three years, the percentages of mines, miners, tons and kegs of powder, of shipping mines, and clearly indicates the manner of mining that is most favorable to the miner, especially as to the use and the expense of the powder consumed.

TABLE 67—Percentages of Mines, Miners, Tons and Kegs of Powder Represented in Shipping Mines, where Powder is Used for Blasting Coal, also Averages, Kegs of Powder per Man and Tons per keg.

CLASSIFICATION.	1908.			1907.			1906.		
	MINING BY—			MINING BY—			MINING BY—		
	Hand.	Machine	Hand and machine.	Hand.	Machine.	Hand and machine.	Hand.	Machine.	Hand and machine.
Per cent of number of—									
Mines.....	72.3	15.7	12.0	74.3	15.1	10.6	78.7	14.2	7.1
Miners.....	66.2	19.5	14.3	69.4	19.4	11.2	71.6	18.5	9.9
Tons.....	58.5	25.6	15.9	62.1	24.9	13.0	65.7	22.8	11.5
Kegs of powder.....	78.7	9.4	11.9	82.3	8.9	8.8	82.9	7.6	9.5
Average—									
Kegs per man.....	38.7	15.6	27.2	40.8	15.8	26.9	34.7	12.3	28.7
Tons per keg.....	25.5	93.6	45.7	25.8	96.0	51.8	26.9	101.4	41.0

## BLASTING DOWN COAL IN THE MINES.

Table 68 presents, by districts, the manner of mining coal in shipping mines. Of the 407 shipping mines, 375 or ninety-two per cent are represented in this table. Blasting coal from the solid is followed in all of the districts embracing 250 or 66.7 per cent of all the mines, and producing 55.7 per cent of the tonnage. In seven of the districts, seventy-eight or 20.8 per cent of the mines, the coal was undercut before blasting reducing 28.9 per cent of the tons. Both of the named methods prevailed in forty-seven or 12.5 per cent of the mines yielding 15.3 per cent of the output.

TABLE 68—*Method of Mining in Shipping Mines where Powder is Used for Blasting Down the Coal—1908.*

DISTRICTS.	BLASTED FROM THE SOLID.		UNDERCUT BEFORE BLASTING.		BOTH METHODS USED.		TOTALS.	
	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.
First.....	2	78,489	6	640,570	11	796,190	19	1,515,249
Second.....	5	703,796			2	72,107	7	775,903
Third.....	18	1,146,455					18	1,146,455
Fourth.....	34	2,306,542					34	2,306,542
Fifth.....	15	2,497,633	1	108,694			16	2,606,327
Sixth.....	43	4,882,060	1	368,548	2	589,420	46	5,840,028
Seventh.....	20	2,962,934	14	3,794,435	3	415,814	37	7,173,183
Eighth.....	45	2,621,994	20	3,587,439	10	1,721,380	75	7,930,813
Ninth.....	37	3,359,827	10	1,678,822	9	1,204,029	56	6,242,678
Tenth.....	31	3,955,642	26	2,545,693	10	1,938,414	67	8,439,749
The State.....	250	24,515,372	78	12,724,201	47	6,737,354	375	43,976,927

## SUMMARY OF ALL MINES.

Tables 69, 70, 71 and 72 are summaries of all the salient items of the coal industry, shown by districts, that appear in detail in the several county tables to be found in the reports of the several State Inspectors of Mines.

TABLE 69—Summary by Districts—Shipping and Local Mines—Number of Counties and Production—1908.

DISTRICTS AND MINES.	Counties.	Number of mines.	Total tons of coal produced.	GRADED PRODUCT—TONS OF—					
				Mine run.	Lump.	Egg.	Nut.	Pea.	Slack or waste.
First.....	4	63	2,980,228	478,339	1,582,881	203,382	44,437	610,682	60,507
Shipping.....	4	29	2,768,645	313,787	1,542,632	203,382	44,437	603,900	60,507
Local.....	3	34	211,583	164,552	40,249	.....	.....	6,782	.....
Second.....	6	131	2,373,935	143,455	1,657,438	100,536	1,831	402,279	68,396
Shipping.....	4	15	2,157,151	140,193	1,465,854	100,536	1,831	380,381	68,356
Local.....	6	116	216,784	3,262	191,584	.....	.....	21,898	40
Third.....	6	103	2,370,764	685,887	1,123,546	53,050	83,584	388,862	35,835
Shipping.....	5	26	2,130,461	524,601	1,063,864	53,050	83,584	369,697	35,665
Local.....	4	77	240,303	161,286	59,682	.....	.....	19,165	170
Fourth.....	5	146	2,524,602	358,280	10,92,124	365,521	98,400	555,764	54,513
Shipping.....	5	37	2,411,554	321,316	1,021,971	365,521	98,400	555,764	48,582
Local.....	4	109	113,048	36,964	70,153	.....	.....	.....	5,931
Fifth.....	3	47	2,902,369	1,383,032	853,426	13,662	159,659	469,445	23,145
Shipping.....	2	18	2,705,468	1,239,043	817,449	13,662	153,020	459,149	23,145
Local.....	2	29	196,901	143,989	35,977	.....	6,639	10,296	.....
Sixth.....	6	71	5,923,197	1,450,796	2,511,337	292,746	229,469	1,283,529	155,320
Shipping.....	3	46	5,840,028	1,420,783	2,475,001	292,746	229,469	1,267,289	154,740
Local.....	5	25	83,169	30,013	36,336	.....	.....	16,240	580
Seventh.....	8	75	7,237,368	1,402,341	3,667,768	165,329	119,074	1,467,206	415,650
Shipping.....	4	37	7,173,183	1,357,124	3,652,736	165,329	117,712	1,464,632	415,650
Local.....	8	38	64,185	45,217	15,032	.....	1,362	2,574	.....
Eighth.....	3	112	8,101,263	1,488,945	4,066,879	260,606	277,264	1,699,077	308,492
Shipping.....	3	75	7,930,813	1,318,495	4,066,879	260,606	277,264	1,699,077	308,492
Local.....	2	37	170,450	170,450	.....	.....	.....	.....	.....
Ninth.....	8	67	6,293,691	1,829,020	2,017,085	512,018	508,935	1,140,528	286,015
Shipping.....	7	56	6,242,678	1,789,767	2,006,993	512,018	508,070	1,140,315	285,515
Local.....	3	11	50,923	39,253	10,092	.....	865	213	500
Tenth.....	5	107	8,565,125	2,004,445	2,594,079	627,486	1,265,467	1,623,542	450,106
Shipping.....	4	68	8,449,749	1,942,578	2,557,871	626,736	1,250,428	1,623,542	448,594
Local.....	5	39	115,376	61,867	36,208	750	15,039	.....	1,512
The State.....	54	922	49,272,452	11,224,540	21,166,563	2,594,336	2,788,120	9,640,914	1,857,979
Shipping.....	41	407	47,809,730	10,367,687	20,671,250	2,593,586	2,764,215	9,563,746	1,849,246
Local.....	42	515	1,462,722	856,853	495,313	750	23,905	77,168	8,733

TABLE 70—*Summary by Districts of the Total Tons and the Disposition of the Output—1908.*

DISTRICTS AND MINES.	Total tons produced.	Aggregate value of total product.	Average value per ton all grades.	DISPOSITION OF OUTPUT—TONS.			
				Shipped from mines.	Supplied to loco- motives at mines.	Sold to local trade.	Consumed and wasted at mines.
First.....	2,980,228	4,447,800	\$1.49	2,349,640	115,450	198,205	316,933
Shipping.....	2,768,645	4,113,933	1.47	2,349,640	115,450	136,847	166,708
Local.....	211,583	333,867	1.58	.....	.....	61,358	150,225
Second.....	2,373,935	3,296,751	1.39	1,974,102	28,677	257,262	113,894
Shipping.....	2,157,151	2,917,220	1.35	1,974,102	28,677	4,409	110,263
Local.....	216,784	379,531	1.75	.....	.....	213,153	3,631
Third.....	2,370,764	3,244,564	1.37	1,935,819	82,921	276,419	75,605
Shipping.....	2,130,461	2,876,099	1.35	1,935,819	82,921	51,050	60,671
Local.....	240,303	368,465	1.53	.....	.....	225,369	14,934
Fourth.....	2,524,602	3,002,398	1.19	2,173,074	63,008	219,867	68,653
Shipping.....	2,411,554	2,820,999	1.12	2,173,074	63,008	106,819	68,653
Local.....	113,048	181,399	1.61	.....	.....	113,048	.....
Fifth.....	2,902,369	2,994,434	1.03	2,472,544	30,105	298,672	101,048
Shipping.....	2,705,468	2,750,346	1.02	2,472,544	30,105	160,440	42,379
Local.....	196,901	244,088	1.24	.....	.....	138,232	58,669
Sixth.....	5,923,197	5,794,889	0.98	5,254,418	113,832	342,420	212,527
Shipping.....	5,840,028	5,684,520	0.97	5,254,418	113,832	260,771	211,007
Local.....	83,169	110,369	1.33	.....	.....	81,649	1,520
Seventh.....	7,237,368	6,891,805	0.95	6,408,120	160,576	231,097	437,575
Shipping.....	7,173,183	6,768,072	0.94	6,408,120	160,576	171,200	433,287
Local.....	64,185	128,733	2.01	.....	.....	59,897	4,288
Eighth.....	8,101,263	7,191,424	0.89	7,478,913	52,932	299,947	269,471
Shipping.....	7,930,813	6,971,950	0.89	7,478,913	52,932	129,497	269,471
Local.....	170,450	219,474	1.29	.....	.....	170,450	.....
Ninth.....	6,293,601	5,992,833	0.95	5,605,928	255,830	182,649	249,194
Shipping.....	6,242,678	5,929,852	0.95	5,605,928	243,330	146,726	246,694
Local.....	50,923	63,481	1.25	.....	12,500	35,923	2,500
Tenth.....	8,565,125	8,127,184	0.95	7,905,487	113,029	210,828	335,781
Shipping.....	8,449,749	7,978,256	0.94	7,905,487	113,029	95,452	335,781
Local.....	115,376	148,928	1.30	.....	.....	115,376	.....
The State.....	49,272,452	50,989,082	\$1.03	43,558,055	1,016,360	2,517,356	2,180,681
Shipping.....	47,809,730	48,810,747	\$1.02	43,558,055	1,008,860	1,302,901	1,944,914
Local.....	1,462,722	2,178,335	1.50	.....	12,500	1,214,455	235,767

TABLE 71.—*Summary by Districts, Tons Mined by Hand and Machine, Price Paid for Mining, Machines, Powder—1908*

DISTRICTS AND MINES.	TONS MINED BY—		AVERAGE PRICE PAID PER TON FOR—		MACHINES.		POWDER.	
	Hand	Machine.	Hand mining.	Machine mining.	Number of mines using.	Number in use.	Used for blasting coal.	For other purposes.
First.....	2,980,228		\$0.8256				22,703	625
Shipping.....	2,768,645		\$0.83				17,718	625
Local.....	211,583		0.79				4,985	
Second.....	2,373,935		\$0.7818				42,135	808
Shipping.....	2,157,151		\$0.762				37,023	808
Local.....	216,784		0.977				5,112	
Third.....	2,370,764		\$0.694				68,427	119
Shipping.....	2,130,461		\$0.689				55,852	119
Local.....	240,303		0.75				12,575	
Fourth.....	2,524,602		\$0.642				129,396	268
Shipping.....	2,411,554		\$0.64				125,161	268
Local.....	113,048		0.882				4,235	
Fifth.....	2,852,412	49,957	\$0.5598	\$0.5724	2	16	100,183	25
Shipping.....	2,655,511	49,957	\$0.564	\$0.5724	2	16	95,781	25
Local.....	196,901		0.55				4,402	
Sixth.....	5,176,615	746,582	\$0.5603	\$0.48	3	31	268,465	75
Shipping.....	5,093,446	746,582	\$0.559	\$0.48	3	31	264,835	75
Local.....	83,169		0.601				3,630	
Seventh.....	3,154,014	4,083,354	\$0.554	\$0.48	18	354	113,472	413
Shipping.....	3,095,238	4,077,945	\$0.554	\$0.48	17	306	113,332	413
Local.....	58,776	5,409	0.561	0.48	1	48	140	
Eighth.....	3,509,089	4,592,174	\$0.5501	\$0.48	30	341	164,830	121
Shipping.....	3,338,639	4,592,174	\$0.55	\$0.48	30	341	159,223	121
Local.....	170,450		0.557				5,607	
Ninth.....	3,832,140	2,461,461	\$0.5204	\$0.463	19	219	179,755	159
Shipping.....	3,781,217	2,461,461	\$0.52	\$0.463	19	219	178,319	159
Local.....	50,923		0.555				1,436	
Tenth.....	5,288,230	3,276,895	\$0.4798	\$0.431	33	243	239,088	79
Shipping.....	5,172,854	3,276,895	\$0.478	\$0.431	33	243	236,335	79
Local.....	115,376		0.56				2,708	
The State.....	34,062,029	15,210,423	\$0.5956	\$0.467	105	1,204	1,328,454	2,692
Shipping.....	32,604,716	15,205,014	\$0.593	\$0.467	104	1,156	1,283,629	2,692
Local.....	1,457,313	5,409	0.803		1	48	44,825	

TABLE 72—Summary by Districts, Employés, Days in Operation, Casualties—1908.

DISTRICTS. AND MINES.	Total number employés	EMPLOYES.				Average days of opera- tion.	CASUALTIES.	
		Miners.	Others under ground.	Boys under ground.	All above ground.		Killed.	Injured.
First.....	6,800	4,866	1,175	146	613	217	16	84
Shipping.....	6,379	4,547	1,125	141	566	227	16	84
Local.....	421	319	50	5	47	207	.....	.....
Second.....	5,802	4,198	1,000	144	460	151	6	88
Shipping.....	5,134	3,631	975	144	384	201	6	84
Local.....	668	567	25	.....	76	144	.....	4
Third.....	4,125	3,045	628	93	359	168	4	40
Shipping.....	3,627	2,649	592	93	293	213	4	40
Local.....	498	396	36	.....	66	152	.....	.....
Fourth.....	4,306	3,193	711	71	331	165	3	24
Shipping.....	3,841	2,761	690	71	319	199	3	20
Local.....	465	432	21	.....	12	153	.....	4
Fifth.....	4,357	3,079	845	75	258	186	19	60
Shipping.....	4,047	2,852	915	74	206	205	19	60
Local.....	310	227	30	1	52	174	.....	.....
Sixth.....	8,044	5,510	1,593	233	708	170	17	43
Shipping.....	7,854	5,363	1,591	233	667	190	17	43
Local.....	190	147	2	.....	41	144	.....	.....
Seventh.....	9,054	5,838	2,144	261	811	177	23	90
Shipping.....	8,749	5,599	2,128	253	769	187	28	90
Local.....	305	239	16	8	42	168	.....	.....
Eighth.....	9,362	6,456	1,810	173	923	174	22	86
Shipping.....	9,106	6,253	1,806	173	874	173	20	85
Local.....	256	203	4	.....	49	189	2	1
Ninth.....	7,928	5,445	1,527	130	826	185	32	70
Shipping.....	7,835	5,375	1,522	129	809	189	32	70
Local.....	93	70	5	1	17	165	.....	.....
Tenth.....	11,063	7,301	2,396	238	1,128	155	28	89
Shipping.....	10,898	7,164	2,382	238	1,114	179	27	89
Local.....	165	137	14	.....	14	150	1	.....
The State.....	70,841	48,931	13,929	1,564	6,417	171	175	674
Shipping.....	67,470	46,194	13,726	1,549	6,001	191	172	665
Local.....	3,371	2,737	203	15	416	161	3	9

PHYSICAL CHARACTERISTICS OF THE COAL MINES OF  
THE STATE, 1908.

The bureau is indebted to those in charge and conducting the present State Geological Survey of the State, as well as to the State Inspector of Mines, for a careful review and revision of numbering of the geological seams of coal heretofore published in these reports. The changes agreed upon and made in the numbering of the different seams are shown in the following table. The changes shown include only those which are considered reasonably certain. Other changes have been made by the State Inspectors which do not appear in this table, but may be found in table 74 following where the location of every mine in the State is shown, by counties. Further changes may be made as the work of the survey progresses. The most notable as well as the most important change shown is that of all of the mines in Williamson county, giving these mines as being No. 6 seam instead of No. 7. The State Geologists say in their report as to this county, "This change will doubtless surprise some of the operators since the Williamson county coal is higher grade than No. 6 to the northwest. The correlation of this seam is clearly demonstrated, however, by boring records collected this summer," 1908. The table is arranged by counties, giving the location of each mine also designating each mine by the name of the operator as shown in the coal report of 1907.

In parallel columns appear the number of the coal seams, shown as old and new, the old numbering refers to the number as heretofore published in the coal reports of the bureau, and corresponded with the numbers given in the report of the first Geological Survey of Illinois.

The new numbers are those given by the present survey, as herein stated.

TABLE 73—*Revised and Corrected Numbering of the Geological Seams of Coal, by Counties, Location and Name of Mine, with the Old and New Numbers.*

COUNTY.	Location.	Mine.	GEOLOGICAL NUMBER OF SEAM.		Authority.
			Old 1907	New 1908	
Brown.....	Ripley.....	Hall.....	1	2	Survey.....
Brown.....	Mt. Sterling.....	Six.....	1	2	..do.....
Calhoun.....	Golden Eagle.....	Brick Co.....	1	2	Survey and inspection..
Christian.....	Assumption.....	Assumption Co.....	1	1 & 2	Survey.....
Clinton.....	Trenton.....	Trenton Co.....	7	6	..do.....
Franklin.....	Zeigler.....	Zeigler Co.....	7	6	..do.....

Table 73—Continued.

COUNTY.	Location.	Mine.	GEOLOGICAL NUMBER OF SEAM.		Authority.
			Old 1907	New 1908	
Franklin.....	Sesser.....	Sesser Co.....	7	6	Survey.....
Franklin.....	Benton.....	Rend Co.....	7	6	..do.....
Fulton.....	Ellisville.....	Spoon River Co.....	5	1	..do.....
Gallatin.....	Equality.....	Gallatin Co.....	6	5	..do.....
Gallatin.....	..do.....	Dempsey.....	6	5	Survey and inspector..
Gallatin.....	..do.....	Anderson.....	6	5	Survey.....
Gallatin.....	..do.....	Baldwin.....	6	5	..do.....
Gallatin.....	..do.....	Vandell Co.....	6	5	..do.....
Greene.....	Whitehall.....	Railway Co.....	1	2	..do.....
Jackson.....	Hallidayboro.....	Muddy Valley Co.....	7	6	..do.....
Jackson.....	DeSota.....	Inland Co.....	7	6	..do.....
Jackson.....	Carbondale.....	Chicago & Co.....	7	6	..do.....
Macon.....	Blue Mound.....	Blue Mound Co.....	5	5	..do.....
Madison.....	Troy.....	Brookside Co.....	7	6	..do.....
Madison.....	East Alton.....	Stoneware Co.....	1	2	..do.....
Saline.....	Galatia.....	Galatia Co.....	5	6	..do.....
Saline.....	Eldorado.....	Dobyns.....	5	6	..do.....
Sangamon.....	Thayer.....	Chi., Will & Ver. Co.....	5	6	Survey and inspector..
Sangamon.....	Divernon.....	Madison Corp.....	5	6	..do.....
Sangamon.....	Auburn.....	Black Diamond Co.....	5	6	..do.....
Sangamon.....	Pawnee.....	Illinois Midland Co.....	5	6	..do.....
Sangamon.....	..do.....	Auburn & Alton.....	5	6	..do.....
Scott.....	Alsey.....	McGuire, J.....	1	2	Survey.....
Scott.....	Exeter.....	Berry.....	1	2	..do.....
Scott.....	Alsey.....	McGuire, P.....	1	2	..do.....
St. Clair.....	*Trenton.....	Breese-Trenton Co.....	7	6	Survey and inspector..
St. Clair.....	O'Fallon.....	Silver Creek Co.....	7	6	Survey.....
St. Clair.....	..do.....	International Co.....	7	6	Survey and inspector..
St. Clair.....	Lebanon.....	Lebanon City Co.....	7	6	Survey.....
White.....	Norris City.....	Norris City Co.....	.....	6	Survey and inspector..
Williamson.....	Herrin.....	Big Muddy Coal & I. Co.....	7	6	Survey.....
Williamson.....	..do.....	Chicago & Carterville Co.....	7	6	..do.....
Williamson.....	..do.....	Sunnyside Co.....	7	6	..do.....
Williamson.....	..do.....	Chicago & Herrin Co.....	7	6	..do.....
Williamson.....	..do.....	St. Louis & Carterville C.....	7	6	..do.....
Williamson.....	..do.....	†Carterville Mining Co.....	7	6	..do.....



Table 73—Concluded.

COUNTY.	Location.	Mine.	GEOLOGICAL NUMBER OF SEAM.		Authority.
			Old 1907	New 1908	
Williamson	Herrin	†Watson Co.	7	6	Survey
Williamson	do.	Carterville & Herrin Co.	7	6	do.
Williamson	do.	Hemlock Co.	7	6	do.
Williamson	Clifford	Big Muddy C. & Iron Co.	7	6	do.
Williamson	Marion	†Peabody Co.	7	6	do.
Williamson	do.	Chicago & Big Muddy	7	6	do.
Williamson	do.	Carterville Dist. Co.	7	6	do.
Williamson	do.	Binkley & Miller	7	6	do.
Williamson	do.	West Virginia Co.	7	6	do.
Williamson	do.	Ingram	6	6	do.
Williamson	do.	Spiller	7	6	do.
Williamson	Bush	Western Co.	7	6	do.
Williamson	Carterville	Carterville Co.	7	6	do.
Williamson	do.	†Hafer Co.	7	6	do.
Williamson	do.	Danaly O K Co.	7	6	do.
Williamson	do.	McNeil	7	6	do.
Williamson	do.	Young	7	6	do.
Williamson	do.	Phillips	7	6	do.
Williamson	do.	Spiller & W.	7	6	do.
Williamson	Johnston City	Johnston City & Big M.	7	6	do.
Williamson	do.	Williamson Co.	7	6	do.
Williamson	do.	Consumers Co.	7	6	do.
Williamson	do.	Johnston City & Cartv.	7	6	do.
Williamson	do.	Johnston City & St. L.	7	6	do.
Williamson	do.	Brinkley	6	6	do.
Williamson	Dewmaine	Madison Co.	7	6	do.
Williamson	Cambria	Cartv. & Big Muddy Co.	7	6	do.
Williamson	do.	Robert Dick Co.	7	6	do.
Williamson	do.	Madison Co.	7	6	do.
Williamson	do.	Carterville Mining Co.	7	6	do.
Williamson	White Ash	Chicago & Marion	7	6	do.
Williamson	Spillertown	Strand	7	6	do.
Williamson	Crab Orchard	Endsminger	6	6	do.
Williamson	do.	Tarpley	6	6	do.
Williamson	do.	Motsinger	6	6	do.

\*Postoffice address of mine in Clinton county.

†All mines at this locality.

Table 74 presents valuable information concerning the coal fields of the State; the showing is both instructive and important to those who may be interested as to the formations of the rich coal seams that underlie the greater portion of the surface of the territory within the bounds of our State.

The table is presented by counties, alphabetically arranged, giving the name of the operator and the location of every coal mine in the State. The geological number of the seam at each locality has been changed agreeing with the corrected numbering shown in table 73. The information as to the coal, is the geological number of the seam in each locality, the depth of the coal below the surface, the thickness of the seam, the excavation by which the coal is reached, the power used in bringing the coal to the surface and the method or plan by which the coal is mined. The other items of the table are the power employed to bring the coal from the face of the workings to the cage to be hoisted, the manner of reducing the coal in the mine and finally the number of tons brought to the surface from each mine.

TABLE 74—*Physical Characteristics of Coal Mines—1908.*

BOND COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.		Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	Total tons.
1	Pocahontas Mining Co.....	Pocahontas....	6	334	7.0	Sh..	St..	P.-R.	Mule.	Mach.		55,161
2	Illinois Collieries Co.....	Sorento.....	6	330	6.0	do..	do..	do..	do..	Hd...		46,229
3	Mississippi Colliery Co.....	Smithsboro..	6	490	6.0	do..	do..	do..	do..	do..		2,128
Total—3 mines.....												103,518

BROWN COUNTY.

1	M. F. Bates.....	Mt. Sterling....	2	30	2.0	Dr.	St..	P.-R.	Hd...	Hd...		300
2	Ed. Six.....	do.....	2	30	2.0	do..	do..	do..	do..	do..		100
Total—2 mines.....												400

Table 74—Continued.

BUREAU COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Holisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	Total tons.
1	St. Paul Coal Co.....	Cherry.....	6	317	5 0	Sh..	St..	P.-R.	Mule.	Hd...	295,182
2	Spring Valley Coal Co.....	Spring Valley..	2	339	3 6	do..	do..	L. W.	do..	do..	265,972
3	Illinois 3d Vein Coal Co.....	Ladd.....	2	468	3 6	do..	do..	do..	do..	do..	229,816
7	Spring Valley Coal Co.....	Spring Valley..	2	393	3 6	do..	do..	do..	do..	do..	221,490
5	Spring Valley Coal Co.....	Spring Valley..	2	421	3 6	do..	do..	do..	do..	do..	216,575
6	Spring Valley Coal Co.....	Spring Valley..	2	359	3 6	do..	do..	do..	do..	do..	179,229
7	Spring Valley Coal Co.....	Spring Valley..	2	457	3 6	do..	do..	do..	do..	do..	134,507
8	Marquette 3d Vein Coal Co.....	Marquette.....	2	289	3 6	do..	do..	do..	Motor	do..	123,807
9	Donahue & Jones.....	Sheffield.....	6	56	4 10	St..	Ho.	P.-R.	Mule.	do..	11,804
10	Nelson & Evans.....	do.....	6	42	4 10	Sh..	do..	do..	Hd...	do..	2,020
11	L. F. Brandt.....	Mineral.....	6	20	4 10	St..	St..	do..	do..	do..	2,000
12	James Neave.....	Sheffield.....	6	50	4 10	Sh..	Ho.	do..	do..	do..	1,660
13	L. F. Brandt.....	Mineral.....	6	25	4 10	do..	do..	do..	do..	do..	1,500
14	Eugene Martin.....	Princeton.....	6	200	4 0	do..	do..	do..	do..	do..	1,310
15	Thos. Herrington.....	do.....	6	145	4 0	do..	do..	do..	do..	do..	1,300
16	C. W. Riley.....	Sheffield.....	6	50	4 0	do..	do..	do..	do..	do..	856
Total—16 mines.....											1,688,528

CALHOUN COUNTY.

1	Calhoun Brick & Clay Co.....	Golden Eagle...	2	60	2 4	Dr.	Bo.	P.-R.	Mule.	Hd...	2,407
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CASS COUNTY.

1	William Shore.....	Chandlerville...	2	6 4	2 6	Sh..	Ho.	P.-R.	Hd...	Hd...	800
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CHRISTIAN COUNTY.

1	Springfield Coal Co.....	Taylorville.....	5	460	8 0	Sh..	St..	P.-R.	Motor	Hd...	274,337
2	Christian County Coal Co.....	do.....	5	462	8 0	do..	do..	do..	Mule.	do..	256,882
3	Pana Coal Co.....	Pana.....	6	720	7 6	do..	do..	do..	do..	do..	197,281
4	Pana Coal Co.....	Pana.....	6	720	7 6	do..	do..	do..	do..	do..	193,628
5	Stonington Coal Co.....	Stonington.....	6	481	7 6	do..	do..	do..	do..	M..	142,894
6	Smith-Lohr Coal Co.....	Pana.....	6	720	7 6	do..	do..	do..	do..	do..	142,283
7	Penwell Coal Mining Co.....	do.....	6	.....	7 6	do..	do..	do..	do..	do..	126,808
8	Assumption Coal Co.....	Assumption.....	1&2	481	3 6	do..	do..	L. W.	do..	do..	89,210
9	Hanover Coal Co.....	Edingburg.....	5	135	6 0	Sh..	St..	P.-R.	Mule.	Hd...	2,800
Total—9 mines.....											1,426,123

CLINTON COUNTY.

1	Southern Coal Co.....	New Baden.....	6	324	7 0	Sh..	St..	P.-R.	Motor	Mach.	333,912
2	Breese-Trenton Mining Co.....	Breese.....	6	400	6 0	do..	do..	do..	do..	Hd...	238,246
3	Breese-Trenton Mining Co.....	Beckemeyer.....	6	435	7 0	do..	do..	do..	Mule.	do..	191,494
4	Coöperative Coal Mining Co.....	Breese.....	6	390	7 6	do..	do..	do..	do..	do..	176,805
5	Trenton Mining Co.....	Trenton.....	6	320	5 0	do..	do..	do..	Motor	do..	127,369
6	Consolidated Coal Co.....	Breese.....	6	400	6 0	do..	do..	do..	do..	do..	58,242
7	Southern Coal Co.....	Germantown...	6	342	5 0	do..	do..	do..	Mule.	do..	26,602
Total—7 mines.....											1,152,670



Table 74—Continued.

FULTON COUNTY—Concluded.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Holting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	Total tons.
38	H. Vice	Fairview	5	40	4 6	Dr	Hd	P-R	Hd	Hd	1,600
39	A. McBroom	Canton R. R. 2	5	50	5 0	Sl	do	do	do	do	1,450
40	Ed. Wayes	Canton	5	50	5 0	do	M	do	do	do	1,440
41	John Goodman	Lewistown	5	40	5 0	do	Hd	do	do	do	1,400
42	W. T. McBride	Fairview	5	40	4 6	Dr	do	do	do	do	1,200
43	Wm. Fauraker & Miller	Marietta	5	40	2 6	do	do	do	do	do	1,120
44	De Moss & Pierce	Canton	5	35	5 0	Sl	St	do	do	do	1,020
45	Emberling Coal Co.	Ellisville	1	35	3 0	Sh	do	do	do	do	1,000
46	L. D. Huggans	Canton	5	40	5 0	Sl	Ho	do	do	do	1,000
47	Arthur Hamilton	Glassford	5	110	4 6	Dr	M	do	do	do	800
48	Thos Travers	Fairview	6	40	5 0	do	Hd	do	do	do	800
49	Jas. A. Mann	Canton R. R. 3	5	10	5 0	do	do	Stp	do	do	800
50	Louis Putnam	Canton	5	40	5 0	Sl	Ho	do	do	do	800
51	Anderson & Savill	Canton	5	25	5 0	Sh	do	do	do	do	680
52	J. M. Davis	Vermont	2	40	2 6	Sl	do	do	do	do	660
53	Taylor & Workman	Avon	1	60	2 6	Sh	G.E	do	do	do	640
54	Mordeca Morris	Fiatt	5	35	5 0	do	Ha	do	do	do	640
55	A. B. Mace	Farmington	6	38	4 6	do	do	do	do	do	640
56	J. E. Johnson	Canton R. R. 3	5	40	5 0	do	do	do	do	do	600
57	E. R. Knickerbocker	Fairview	5	50	4 6	do	do	do	do	do	600
58	Joseph Wilson	Astoria	5	40	6 0	do	do	do	do	do	531
59	Ell. Clemens	Table Grove	5	40	6 0	do	do	do	do	do	500
60	John A. Lamb	Canton R. R. 6	5	60	5 0	do	do	do	do	do	419
61	Sam. Parr	Fairview	5	40	4 6	do	do	do	do	do	400
62	Wm. Fennell	Middle Grove	6	30	4 6	Sl	Ho	do	do	do	360
63	John Ackerson & Son	Cuba	5	40	5 0	Dr	Hd	do	do	do	480
64	C. F. Rouden	Cuba	5	40	5 0	Dr	Ha	do	do	do	400
65	Perry Pollett	Canton R. R. 6	5	60	5 0	do	do	do	do	do	320
66	E. D. Woodcock	Canton R. R. 3	5	40	5 0	do	do	do	do	do	320
67	W. Hickam	Marietta	2	50	2 6	do	do	do	do	do	320
68	John Williams	Canton R. R. 7	5	60	5 0	do	do	do	do	do	280
69	Dewitt Bros	Fairview	6	40	4 6	do	do	do	do	do	280
70	John Porter	Cuba R. R. 3	5	30	5 0	do	do	do	do	do	240
71	Miller & Hand	Fairview	6	40	4 6	do	do	do	do	do	240
72	John Stufflebeam	Lewistown	2	40	2 6	Dr	do	P-R	do	do	200
73	Henry Grissby	do	2	50	2 6	do	do	do	do	do	200
74	Andrew Nuneke	Bushnell	2	30	2 6	do	do	do	do	do	200
75	William Witehead	Lewistown R. 4	5	60	4 6	do	do	do	do	do	200
76	Wilcoxon Bros.	Lewistown	5	60	4 6	do	do	do	do	do	160
77	L. M. Turner	Fairview	6	30	4 6	do	do	do	do	do	140
78	Geo. Swope	Ipava	5	50	5 0	Sl	M	do	do	do	132
79	De Moss & Pierce	Canton	5	25	5 0	do	Ho	do	do	do	80
80	Ed. Clarkson	Fairview	5	40	4 6	Dr	Hd	do	do	do	80
81	Stufflebeam & Lightle	St. David	5	25	5 0	do	do	do	do	do	48
82	Chas. A. Hall	Canton R. R. 6	5	50	5 0	do	do	do	do	do	40
83	Frank Weaver	Lewistown R. 4	5	60	5 0	do	do	do	do	do	24
84	James May	Lewistown	2	40	2 6	Sh	Ho	do	do	do	1,097
85	J. R. Collins	Lewistown R. 4	5	25	5 0	Dr	Hd	do	do	do	40
Total—85 mines											2,141,489



Table 74—Continued.

HENRY COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	Total tons.
1	Kewanee Coal Mining Co. ....	Kewanee. ....	6	100	4.0	Sh.	St.	P.-R.	Mule.	Hd...	65,404
2	Atlas Coal Co. ....	Galva. ....	6	63	4.0	do.	do.	do.	Hd...	do.	9,854
3	Kewanee Coal Mining Co. ....	Kewanee. ....	6	100	4.0	do.	do.	do.	Mule.	do.	6,703
4	Herdien Coal Co. ....	Galva. ....	6	57	4.0	do.	do.	do.	Hd...	do.	8,105
5	Kewanee Coöperative C. Co. ....	Kewanee. ....	6	60	4.0	do.	do.	do.	do.	do.	7,698
6	Bates Bros. ....	do. ....	6	67	4.0	do.	Ho.	do.	do.	do.	7,082
7	Peoples Fuel Co. ....	do. ....	6	40	4.0	Sl.	St.	do.	do.	do.	6,282
8	Emil Ahlgren. ....	do. ....	6	30	4.0	do.	Ho.	do.	do.	do.	5,400
9	Fairlie Bros. & Co. ....	Cambridge. ....	3	130	2.8	Sh.	St.	do.	Mule.	do.	5,000
10	Matt Atkinson. ....	Kewanee. ....	6	25	4.0	Sl.	Ho.	do.	Hd...	do.	2,857
11	Fred Henry. ....	do. ....	6	50	4.0	Sh.	do.	do.	do.	do.	2,800
12	E. S. Barlow. ....	do. ....	6	26	4.0	do.	St.	do.	do.	do.	2,740
13	North Main Coal Co. ....	do. ....	6	56	4.0	do.	do.	do.	do.	do.	2,346
14	Jeff Glenn. ....	Colona. ....	1	60	3.6	do.	Ho.	do.	do.	do.	2,130
15	Hartman & Bercroft. ....	Atkinson. ....	3	36	3.0	do.	St.	do.	do.	do.	2,094
16	D. L. Edwards. ....	Coal Valley. ....	1	40	4.0	Sl.	Ho.	do.	do.	do.	2,000
17	Leo. Malean. ....	Kewanee. ....	6	30	4.0	do.	do.	do.	do.	do.	1,600
18	D. O. Loy. ....	Atkinson. ....	3	17	2.8	Sh.	St.	do.	do.	do.	1,420
19	Max Gray. ....	do. ....	6	50	4.0	do.	Ho.	do.	do.	do.	1,200
20	Ralph Todd & Sons. ....	do. ....	6	67	4.0	do.	do.	do.	do.	do.	1,125
21	John Kincaid. ....	Colona. ....	1	3	0	Dr.	do.	do.	do.	do.	700
22	Tharp & Gray. ....	Kewanee. ....	6	28	4.0	Sl.	do.	do.	do.	do.	500
23	R. E. Malean. ....	do. ....	6	40	4.0	Sl.	do.	do.	do.	do.	460
24	H. C. Finch. ....	do. ....	6	17	4.0	Sl.	St.	do.	do.	do.	440
25	James Kemering. ....	do. ....	6	30	4.0	do.	Ho.	do.	do.	do.	400
26	Robert Kay. ....	Briar Bluff. ....	1	30	3.0	Dr.	do.	do.	do.	do.	400
27	Joseph Carter. ....	Kewanee. ....	6	30	4.0	Sl.	do.	do.	do.	do.	280
28	Wm. Lamb. ....	do. ....	6	20	4.0	Sl.	do.	do.	do.	do.	228
29	G. W. Mahler. ....	do. ....	6	30	4.0	do.	St.	do.	do.	do.	160
30	John Summerson. ....	Coal Valley. ....	1	3	0	Dr.	Ho.	do.	do.	do.	76
Total—30 mines. ....											147,482

JACKSON COUNTY.

1	Muddy Valley M. & Mfg. Co. ....	Hallidayboro. ....	6	165	6.3	Sh.	St.	P.-R.	Cable	Hd...	194,943
2	Big Muddy Coal & Iron Co. ....	Murphysboro. ....	2	150	6.6	do.	do.	do.	Mot.	Mac.	109,176
3	Big Muddy Coal & Iron Co. ....	do. ....	2	150	6.3	do.	do.	do.	Mule.	do.	71,389
4	Big Muddy Coal & Iron Co. ....	do. ....	2	107	do.	do.	do.	do.	Mo.	M.H.	58,760
5	Chicago & Carbondale C. Co. ....	De Soto. ....	6	90	9.0	do.	do.	do.	Mule.	M.	46,000
6	Gus Blair & Big Muddy C. C. ....	Murphysboro. ....	2	125	6.6	do.	do.	do.	do.	do.	39,122
7	Gartside Coal Co. ....	do. ....	2	148	6.6	do.	do.	do.	do.	do.	39,079
8	Gartside Coal Co. ....	do. ....	2	146	6.6	do.	do.	do.	do.	do.	31,979
9	Schmidtgall Coal Co. ....	do. ....	1	120	3.4	do.	do.	do.	do.	do.	13,848
10	Gus Blair Coal Co. ....	do. ....	1	120	3.4	do.	do.	do.	do.	do.	7,542
11	Peacock Coal Co. ....	De Soto. ....	6	61	9.0	do.	do.	do.	do.	Hd...	4,400
12	N. L. Church. ....	Ava. ....	2	65	4.0	Dr.	Ho.	P.-R.	do.	do.	2,080
13	J. B. Woods. ....	Carbondale. ....	7	45	6.6	Sh.	St.	do.	do.	do.	4,000
14	D. Dawson. ....	Cambell Hill. ....	7	17	4.0	Dr.	do.	do.	do.	do.	3,500
15	E. Sponsler. ....	Carbondale. ....	7	39	6.6	do.	St.	do.	do.	do.	2,500
16	J. B. Schimpf. ....	Vergennes. ....	2	51	4.0	do.	do.	do.	do.	do.	2,145
17	H. S. Phillips. ....	Carbondale. ....	7	20	6.6	do.	Ho.	do.	do.	do.	2,500
18	G. A. Nisbet. ....	Ava. ....	2	60	4.0	do.	do.	do.	do.	do.	2,371
19	W. R. Campbell. ....	Vergennes. ....	2	17	4.0	do.	do.	do.	do.	do.	396
20	James L. Brush. ....	Carbondale. ....	6	34	4.6	Sh.	do.	do.	do.	do.	400
21	John Herman. ....	Oraville. ....	2	40	4.0	Sl.	do.	do.	do.	do.	400
22	G. H. Luches. ....	Cambell Hill. ....	2	20	4.0	Dr.	St.	do.	do.	do.	300
23	Wm. Wilkinson. ....	De Soto. ....	7	30	6.6	do.	Ho.	do.	do.	do.	200
Total—23 mines. ....											637,090





Table 74—Continued.

LASALLE COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	Total tons.
1	Oglesby Coal Co.	Oglesby	12	464	3.6	Sh.	St.	L. W.	Motor	Hd.	202,781
2	La Salle Co. Carbon Coal Co.	La Salle	12	440	3.6	do.	do.	do.	Mule	do.	194,122
3	Chicago, Wilm., Vermilion C. C.	Streator	12	245	3.6	do.	do.	do.	do.	do.	159,552
4	La Salle C. C. C. Co.	La Salle	12	375	3.6	do.	do.	do.	do.	do.	145,809
5	Acme Coal Co.	Streator	12	110	6.6	do.	do.	do.	Cable	do.	141,861
6	La Salle C. C. C. Co.	La Salle	12	392	3.6	do.	do.	do.	Mule	do.	106,848
7	La Salle C. C. C. Co.	do.	12	390	3.6	do.	do.	do.	do.	do.	90,318
8	La Salle C. C. C. Co.	do.	12	544	3.4	do.	do.	do.	do.	do.	83,409
9	James Cahill Estate.	Peru	12	350	3.6	do.	do.	do.	do.	do.	66,522
10	Star Coal Co.	Kangley	7	66	5.0	do.	do.	P. R.	do.	do.	60,688
11	Illinois Zinc Co.	Peru	12	130	3.0	Sl.	do.	L. W.	do.	do.	58,435
12	Mrs. E. Hakes.	Rutland	12	500	2.9	Sh.	do.	do.	do.	do.	49,572
13	Star Coal Co.	Kangley	12	200	3.0	do.	do.	do.	do.	do.	39,461
14	The Howe Coal Co.	Streator	7	87	5.0	do.	do.	P. R.	do.	do.	34,534
15	C., W. & V. Coal Co.	do.	12	72	5.0	do.	do.	do.	do.	do.	9,683
16	William Frances & Co.	do.	12	112	9.0	do.	do.	do.	do.	do.	3,811
17	Mathisen & Hegeler Zink Co.	La Salle	5	310	4.6	do.	do.	do.	C. M. H.	d.	125,912
18	Manufacturers Coal Co.	Marseilles	12	120	2.10	do.	do.	L. W.	do.	do.	29,681
19	William Dawson.	Deer Park.	7	100	4.0	Sl.	do.	P. R.	C. M.	do.	5,456
20	Nelson & Stokes.	Streator	7	14	5.0	Sh.	Ho.	do.	Hd.	do.	4,000
21	Harrison Coal Co.	do.	7	100	5.0	do.	St.	do.	Mule	do.	2,500
22	Streator Fuel Co.	do.	7	86	4.6	do.	do.	do.	do.	do.	2,500
23	Chas. Hendy.	Ottawa	12	80	2.9	Dr.	Hd.	do.	Hd.	do.	1,500
24	Oscar Kimes.	Streator	7	40	4.5	Sh.	St.	do.	do.	do.	1,434
25	Joseph Warnock.	Lowell	12	50	3.0	Sl.	Ho.	do.	do.	do.	1,000
26	William Bottomley.	do.	12	50	3.5	Dr.	do.	do.	Mule	do.	797
27	Jerry Pratt.	do.	12	60	3.0	do.	Hd.	do.	Hd.	do.	670
28	George Steele.	Ottawa	12	90	2.6	do.	do.	do.	do.	do.	600
29	Adam Crompton.	do.	12	60	2.8	do.	do.	do.	do.	do.	600
30	Joseph Starkey.	Wilsman.	12	75	3.0	Sh.	Ho.	do.	do.	do.	500
31	Spicer Coal Co.	Marseilles.	12	85	2.9	do.	St.	L. W.	do.	do.	400
32	Brooker Bros.	Lowell	12	60	3.0	Dr.	Ho.	P. R.	do.	do.	325
33	Chas. Hepp.	Ottawa	12	50	2.4	do.	Hd.	do.	do.	do.	300
34	James Mc Cullough.	do.	12	60	2.4	do.	do.	do.	do.	do.	300
35	Lowell Pottery Co.	Lowell	12	85	4.0	do.	do.	do.	do.	do.	300
36	John Mc Neil.	Kangley	7	65	4.0	do.	do.	do.	do.	do.	300
37	William Metz.	Ottawa	12	55	2.4	do.	do.	do.	do.	do.	250
38	Kelly & Gudgel.	Lowell	12	40	3.0	Sl.	do.	do.	do.	do.	200
Total—38 mines											1,626,931

LIVINGSTON COUNTY.

1	Cardiff Coal Co.	Cardiff	2	255	3.0	Sh.	St.	L. W.	Mule	Hd	216,781
2	Fairbury West End Coal Co.	Fairbury	5	170	5.0	do.	do.	do.	do.	do.	22,554
3	Bradley Coal Co.	Pontiac	5	200	5.0	do.	do.	P. R.	do.	do.	25,032
4	Streator Clay Mfg. Co.	Streator	7	80	4.5	do.	Ho.	do.	do.	do.	12,000
5	Munts Bros.	do.	5	62	4.6	do.	St.	do.	Hd.	do.	10,881
6	Cooperative Coal Co.	Fairbury	7	165	4.6	do.	Ho.	do.	do.	do.	9,674
7	Massey Bros.	Streator	7	62	4.0	do.	do.	do.	do.	do.	3,540
8	Streator Aqueduct.	do.	7	36	4.0	do.	St.	do.	do.	do.	1,880
Total—8 mines											302,342

Table 74—Continued.

## LOGAN COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	Total tons.
1	Latham Coal Co.	Lincoln	5	290	5 0	Sh.	St.	P.-R.	Mule.	Hd.	199,020
2	Citizens Coal Mining Co.	do.	5	290	5 0	do.	do.	do.	do.	do.	119,240
3	Lincoln Mining Co.	do.	5	285	5 0	do.	do.	do.	do.	do.	99,298
4	Mutual Coal Co.	Mt. Pulaski	5	300	5 0	do.	do.	do.	do.	do.	12,452
Total—4 mines											430,010

## MACON COUNTY.

1	Manufacturers & Consumers	Decatur	5	544	4 8	Sh.	St.	L. W.	Mule.	Hd.	108,694
2	Decatur Coal Co.	do.	5	614	4 0	do.	do.	do.	do.	do.	61,456
3	Decatur Coal Co.	do.	5	612	4 2	do.	do.	do.	do.	do.	37,685
4	Decatur Coal Co.	Niantic	5	365	5 0	do.	do.	R.-P.	do.	do.	29,801
Total—4 mines											237,636

## MACOUPIN COUNTY.

1	Superior Coal Co.	Gillespie	6	348	8 0	Sh.	St.	R.-P.	Motor	Mac.	566,670
2	Superior Coal Co.	Sawyerville	6	324	8 0	do.	do.	do.	do.	do.	554,923
3	Superior Coal Co.	Gillespie	6	350	8 0	do.	do.	do.	do.	do.	509,927
4	Consolidated Coal Co.	Stanton	6	325	7 0	do.	do.	do.	Mule.	do.	365,927
5	Royal Colliery Co.	Virden	6	350	6 6	do.	do.	do.	do.	Hd.	337,680
6	Consolidated Coal Co.	Mt. Olive	6	362	8 0	do.	do.	do.	do.	Mac.	320,066
7	Consolidated Coal Co.	Stanton	6	322	7 6	do.	do.	do.	do.	do.	235,218
8	Illinois Collieries Co.	Virden	6	320	7 6	do.	do.	do.	Motor	H. M.	208,873
9	Consolidated Coal Co.	Mt. Olive	6	.....	.....	do.	do.	do.	do.	Mac.	199,222
10	Madison Coal Corporation	Mt. Olive	6	.....	.....	do.	do.	do.	Mule.	do.	183,056
11	Vivian Collieries Co.	Green Ridge	6	.....	.....	do.	do.	do.	Motor	H. M.	164,897
12	Consolidated Coal Co.	Mt. Olive	6	.....	.....	do.	do.	do.	do.	Mac.	132,116
13	Illinois Collieries Co.	Girard	6	360	7 0	do.	do.	do.	Mule.	Hd.	110,898
14	Consolidated Coal Co.	Stanton	6	.....	.....	do.	do.	do.	do.	Mac.	108,908
15	Prairie State Coal & Coke Co.	Nilwood	6	.....	.....	do.	do.	do.	do.	Hd.	65,947
16	Carlinville Coal Co.	Carlinville	6	.....	.....	do.	do.	do.	do.	do.	43,386
17	Illinois Collieries Co.	Virden	6	.....	.....	do.	do.	do.	do.	do.	37,551
18	Consolidated Coal Co.	Gillespie	6	.....	.....	do.	do.	do.	do.	Mac.	5,409
19	Wm. Niel & Co.	Bunker Hill	6	254	6 0	Sh.	St.	R.-P.	Mule.	Hd.	3,978
20	Bausser & Truesdale	do.	6	240	6 0	do.	do.	do.	Hd.	do.	1,128
21	John J. Harbaugh	Chesterfield	5	42	.....	do.	Ho.	do.	do.	do.	974
22	Chas. Tyle	Brighton	.....	53	.....	do.	do.	do.	do.	do.	808
23	James Harbaugh	Chesterfield	Pkt	38	.....	do.	do.	do.	do.	do.	800
24	Cairns & Batt	Brighton	.....	20	.....	do.	do.	do.	do.	do.	562
25	G. B. Loeper	Chesterfield	Pkt	28	.....	do.	do.	do.	do.	do.	120
26	Fritz Jerden	Bunker Hill	do.	230	.....	do.	do.	do.	do.	do.	100
27	Louis Lueking	Brighton	do.	85	.....	do.	do.	do.	do.	do.	.....
Total—27 mines											4,224,865



Table 74—Continued.

		MARSHALL COUNTY.										
Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	Total tons.	
1	Devlin Coal Co.	Toluca	2	512	2 9	Sh.	St.	L. W.	Mule	Hd.	284,839	
2	Wenona Coal Co.	Wenona	2	555	2 10	do.	do.	do.	do.	do.	104,176	
3	Fulton County Coal Co.	Sparland	2	164	2 6	do.	do.	do.	do.	do.	13,715	
4	Lacon Coal Co.	do.	7	80	4 0	do.	Hd.	P. R.	Hd.	do.	12,342	
5	Ban. Coal & L. & P. Co.	do.	7	60	4 0	do.	do.	do.	do.	do.	3,837	
6	Robert H. Ingom.	do.	7	60	4 0	do.	do.	do.	do.	do.	1,200	
7	W. E. Frisby.	do.	7	60	4 0	do.	do.	do.	do.	do.	1,200	
8	W. L. Harr & Webber.	do.	7	60	4 0	do.	do.	do.	do.	do.	1,120	
9	Jacob Webber.	do.	7	60	4 0	do.	do.	do.	do.	do.	400	
10	Emory Passent.	do.	7	60	4 0	do.	do.	do.	do.	do.	200	
Total—10 mines											423,029	

## McDONOUGH COUNTY.

1	Burney Coal Co.	Colchester	2	60	2 6	Sh.	St.	P. R.	Hd.	Hd.	11,864
2	Rippitoe Coal Co.	do.	2	60	2 6	do.	do.	do.	do.	do.	3,832
3	John Wilson.	do.	2	35	2 6	do.	Ho.	do.	do.	do.	3,212
4	Chas. P. Sweeney.	Vermont	2	30	2 6	Sl.	do.	do.	do.	do.	1,447
5	W. H. Robinson.	Colchester R. 5	2	60	2 6	Sh.	St.	do.	do.	dl.	1,201
6	Samuel Oldham.	Colchester.	2	60	2 6	Dr.	Dg.	do.	do.	do.	1,200
7	Amos Atkinson.	do.	2	60	2 6	do.	do.	do.	do.	do.	1,200
8	Fox Bros.	do.	2	52	2 6	do.	Hd.	do.	do.	do.	1,003
9	Ralph Oldham.	do.	2	96	2 6	do.	do.	do.	do.	do.	1,000
10	Frank Burdock.	Industry	2	30	2 4	Sh.	Ho.	do.	do.	do.	848
11	Thos. E. Wilson.	Blandinsville.	2	55	2 6	do.	St.	do.	do.	do.	640
12	John Berry.	Colchester.	2	60	2 6	do.	Ho.	do.	do.	do.	527
13	Walter Upham.	do.	2	40	2 6	Dr.	Hd.	do.	do.	do.	480
14	Joseph Bunt.	do.	2	39	2 6	do.	do.	do.	do.	do.	427
15	W. S. Stoneking.	Birmingham	2	40	2 4	do.	Ho.	do.	do.	do.	400
16	Russell & Moon.	do. R. R. 2.	2	35	2 6	Sh.	do.	do.	do.	do.	400
17	Louis Lewis.	Colchester.	2	48	2 4	do.	do.	do.	do.	do.	360
18	John R. Benton.	do.	2	30	2 6	Dr.	Hd.	do.	do.	do.	400
19	Wm. Kipling & Bros.	do.	2	40	2 4	Sh.	Ho.	do.	do.	do.	320
20	Wadell Bros.	Tennessee.	2	50	2 6	Sh.	Hd.	do.	do.	do.	320
21	Andrew Swanson.	Colchester.	2	50	2 4	do.	do.	do.	do.	do.	280
22	Harpe & Kilyore.	do.	2	40	2 6	Sl.	do.	do.	do.	do.	247
23	Alla Vawters.	do.	2	50	2 4	Dr.	Hd.	do.	do.	do.	280
24	Issac Fisher.	do.	2	60	2 6	do.	do.	do.	do.	do.	200
25	Oscar Curtis.	Industry	2	32	2 4	Sh.	Ho.	do.	do.	do.	240
26	Anton Lokosick.	Colchester.	2	25	2 6	Sl.	Hd.	P. R.	Hd.	Hd.	100
27	Lee McClure.	do.	2	40	2 4	Dr.	do.	do.	do.	do.	240
28	John O. Thompson.	Macomb, R R 5	2	40	2 6	do.	do.	do.	do.	do.	820
29	James Guy.	Colchester.	2	40	2 4	do.	do.	do.	do.	do.	240
30	C. H. Price.	Macomb R R 5.	2	30	2 6	Sl.	do.	do.	do.	do.	440
31	B. F. Murry.	Colchester.	2	40	2 4	do.	do.	do.	do.	do.	240
32	Frank Voylar.	Birmingham	2	35	2 6	do.	do.	do.	do.	do.	280
33	S. M. McCord.	Colchester.	2	40	2 4	do.	do.	do.	do.	do.	200
34	Eli Hillard.	do.	2	45	2 6	do.	do.	do.	do.	do.	80
35	Philip Zerning.	Industry	2	25	2 4	Sh.	St.	do.	do.	do.	120
36	Geo. M. Clark.	Colchester R. R. No. 3.	2	40	2 6	do.	do.	do.	do.	do.	40
37	Andrew Swanson.	Colchester.	2	25	2 4	Dr.	Hd.	do.	do.	do.	100
38	Thomas Nelson.	do.	2	25	2 4	do.	do.	do.	do.	do.	100
39	J. E. Smith.	do.	2	40	2 4	do.	do.	do.	do.	do.	80
40	Geo. Foster.	do.	2	40	2 4	do.	do.	do.	do.	do.	48
41	Chas. Tone.	do.	2	30	2 4	do.	do.	do.	do.	do.	32
42	Richard Saitey.	do.	2	50	2 4	do.	do.	do.	do.	do.	32
43	Marion McClure.	do.	2	40	2 4	do.	do.	do.	do.	do.	32
44	William Hudson.	do.	2	40	2 4	do.	do.	do.	do.	do.	24
Total—44 mines											35,576

Table 74—Continued.

MCLEAN COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	Total tons.
1	McLean County Coal Co.....	Bloomington...	2	569	4 0	Sh.	St.	L. W.	Cable	Hd...	88,898
2	Colfax Coöperative Co.....	Colfax.....	6	400	5 6	do.	do.	P.-R.	Mule.	do...	33,518
Total—2 mines.....											122,416

MENARD COUNTY.

1	Middletown Coal Co.....	Middletown...	5	210	6 0	Sh.	St.	P.-R.	Mule.	Hd...	87,816
2	Athens Mining Co.....	Athens.....	5	200	6 0	do.	do.	do.	Motor	do.	86,178
3	Wabash Coal Co.....	do.....	5	185	6 0	do.	do.	do.	Mule.	do.	65,294
4	South Mountain Coal Co.....	Petersburg.....	5	75	6 0	Sl.	do.	do.	do.	do.	39,518
5	Peoples Coal Mining Co.....	Tice.....	5	100	6 0	Sh.	do.	do.	do.	do.	34,212
6	Tallula Coal Co.....	Tallula.....	5	185	6 0	do.	do.	do.	do.	do.	31,584
7	Greenview Coal Co.....	Greenview.....	5	109	6 0	do.	do.	do.	do.	do.	16,082
8	Manchester Coal Co.....	Petersburg.....	5	90	6 0	do.	do.	do.	do.	do.	10,000
9	John Milligram.....	do.....	5	67	5 8	do.	do.	do.	do.	do.	10,000
10	C. F. Johnson.....	Fancy Prairie.....	5	165	5 5	do.	Ho.	do.	do.	do.	8,100
11	Arthur Wainright.....	Sweetwater.....	5	170	5 5	do.	do.	do.	do.	do.	3,300
12	Brant & Waller.....	Petersburg.....	5	150	5 8	do.	do.	do.	do.	do.	1,940
13	Peter Becker.....	Tallula.....	5	90	5 8	do.	do.	do.	do.	do.	1,752
14	Oscar Davis.....	do.....	5	130	5 8	do.	do.	do.	do.	do.	1,750
Total—14 mines.....											397,526

MERCER COUNTY.

1	Coal Valley Mining Co.....	Sherrard.....	1	212	3 6	Sh.	St.	P.-R.	Cable	Hd...	217,280
2	Empire Coal Co.....	Gilchrist.....	1	145	4 0	do.	do.	do.	do.	do.	147,403
3	Coal Valley Mining Co.....	Cable.....	1	60	4 0	do.	do.	do.	do.	do.	29,670
4	Wm. H. Riddle.....	Aledo.....	1	40	4 0	do.	Ho.	do.	Hd...	do.	4,240
5	Docherty Bros.....	Pre-emption.....	1	33	4 0	do.	St.	do.	do.	do.	3,850
6	Huffman & Hayburn.....	do.....	1	40	4 0	do.	do.	do.	do.	do.	3,550
7	Arthur Jones.....	Viola.....	1	55	4 6	do.	do.	do.	do.	do.	3,309
8	J. B. Martin.....	Aledo.....	1	64	4 0	do.	Ho.	do.	do.	do.	2,616
9	G. W. Martin.....	Viola.....	1	15	4 0	Sl.	do.	do.	do.	do.	2,320
10	S. J. Young.....	New Windsor.....	1	30	3 0	Sh.	do.	do.	do.	do.	1,040
11	B. B. Peterson.....	Cable.....	1	30	3 6	Sl.	St.	do.	do.	do.	1,000
12	W. P. Williams.....	Aledo.....	1	58	4 0	Sh.	Ho.	do.	do.	do.	960
13	B. T. Miller.....	Viola.....	1	29	3 0	do.	do.	do.	do.	do.	800
14	Essley Bros.....	Aledo.....	1	...	3 6	Dr.	St.	do.	do.	do.	720
15	M. A. Beers.....	Cable.....	1	20	3 0	Sl.	Ho.	do.	do.	do.	540
16	Northwestern Clay Mfg. Co.....	New Windsor.....	1	40	2 10	Sh.	St.	do.	do.	do.	75
17	Millersburg Coal Co.....	Millersburg.....	1	...	3 0	Dr.	Hd.	do.	do.	do.	75
Total—17 mines.....											419,448

Table 74—Continued.

## MONTGOMERY COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.			Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Minting—hand, machine, both.	Total tons.
			Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Sh.						
1	Shoal Creek Coal Co.	Panama	6	...	8.0	Sh.	St.	P.-R.	Motor	Hd...	293,127
2	Hillsboro Coal Co.	Hillsboro.	6	400	7.0	do.	do.	do.	Cable	M...	264,499
3	Burnwell Coal Co.	Witt	6	...	8.0	do.	do.	do.	Mule.	Hd...	258,527
4	Kortkamp Coal Co.	Hillsboro.	6	500	7.6	do.	do.	do.	do.	do.	173,458
5	Burnwell Coal Co.	Witt	6	...	8.0	do.	do.	do.	do.	do.	163,906
6	Clover Leaf Coal Co.	Coffeen	6	...	...	do.	do.	do.	Motor	do.	90,902
7	Illinois Collieries Co.	Litchfield	6	684	...	do.	do.	do.	Mule.	do.	50,019
8	Clover Leaf Coal Co.	Coffeen	6	544	...	do.	do.	do.	do.	do.	44,186
9	Peabody Coal Co.	Nokomis	6	...	...	do.	do.	do.	do.	do.	42,044
10	Farmersville Coal Co.	Farmersville	6	...	...	do.	do.	do.	do.	do.	1,200
11	H. H. Hardin	Raymond	6	424	3.3	do.	do.	L. W.	do.	do.	500
Total—11 mines										1,382,368	

## MORGAN COUNTY.

1	Charley Wagstaff	Murrayville	...	70	...	Sh.	Ho.	P.-R.	Hd...	Hd...	3,550
2	W. J. Fisher	do.	...	63	...	do.	do.	do.	do.	do.	3,500
3	E. E. Rining	Arenzville	...	...	...	do.	do.	do.	do.	do.	440
Total—3 mines										7,490	

## PEORIA COUNTY.

1	Clarke Coal & Coke Co.	Peoria	5	120	4.6	Sh.	St.	P.-R.	Motor	Hd...	189,215
2	Clarke Coal & Coke Co.	do.	5	130	4.6	do.	do.	do.	do.	do.	176,697
3	Wolschlag Coöperative Co.	do.	5	...	4.6	Dr.	do.	do.	do.	do.	89,323
4	Sholl Bros.	do.	5	92	4.6	Sh.	do.	do.	do.	do.	83,341
5	Newsam Bros.	do.	5	46	4.6	do.	do.	do.	Cable	do.	82,593
6	Newsam Bros.	do.	5	...	4.6	Sh.	do.	do.	Mule.	do.	46,977
7	Collier Coöperative Coal Co.	Bartonville	5	82	4.6	Sl.	do.	do.	do.	do.	45,954
8	George Vicary	Peoria	5	...	4.6	Dr.	do.	do.	do.	do.	40,330
9	Howard & Taylor	Edwards	5	86	4.6	Sl.	do.	do.	Motor	do.	27,211
10	I. Wantling & Co.	Peoria	5	62	4.6	Sh.	do.	do.	Mule.	do.	20,361
11	Newsam Bros.	do.	5	80	4.6	Dr.	do.	do.	Cable	do.	19,120
12	W. E. Foley	Mapleton	5	...	4.6	do.	Sl.	do.	Mule.	do.	16,000
13	Lancaster-Landing Coal Co.	Kingston	5	...	4.6	do.	do.	do.	do.	do.	16,000
14	Third Vien Coal Co.	Mapleton	5	165	2.8	Sh.	St.	L. W.	do.	do.	15,000
15	Lancaster-Landing Coal Co.	Kingston	5	...	4.6	Sl.	do.	P.-R.	do.	do.	14,400
16	Warsaw Coal Co.	Edwards	5	...	4.6	do.	do.	do.	do.	do.	9,062
17	Applegate & Lewis Coal Co.	Hanna City	5	250	4.6	Sh.	do.	do.	do.	do.	30,506
18	Treasurer Coal Co.	Bartonville	5	77	5.0	do.	do.	do.	Mule.	do.	22,790
19	Winters Coal Co.	do.	5	88	5.0	do.	do.	do.	do.	do.	21,705
20	Hubbard & Sneddon	Peoria	5	...	4.6	Dr.	M.	do.	M. C.	do.	12,000
21	T. P. Schmidt & Son	do.	5	...	4.6	do.	do.	do.	do.	do.	9,412
22	P. Martin	do.	5	70	4.6	Sh.	do.	do.	Mule.	do.	8,000
23	Fair Lake Coal Co.	do.	5	92	5.0	do.	St.	do.	do.	do.	5,000
24	Kellers Coal Co.	Bartonville	5	...	5.0	Dr.	M.	do.	do.	do.	4,543
25	Mohn Coal Co.	Peoria	5	...	5.0	Sh.	St.	do.	do.	do.	4,503
26	Limestone Coal Co.	do.	5	130	5.0	do.	do.	do.	do.	do.	4,385
27	J. H. Fisher	do.	5	...	5.0	Dr.	M.	do.	do.	do.	3,360
28	Callar Bros.	Pottstown	5	75	5.0	Sl.	do.	do.	do.	do.	3,225
29	Cren Bros.	Chillicothe	5	...	5.0	Dr.	Hd.	do.	do.	do.	2,800

Table 74—Continued.

PEORIA COUNTY—Concluded.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	Total tons.
30	Higbee & Caldwell	Princeville	5	75	4 6 Sh.	Hd.	P.-R.	Mule	Hd.		2,600
31	Robinson Trioff	Mapleton	5		5 0 do.	do.	do.	do.	do.		2,500
32	Louis A. Schimdt	Peoria	5		5 0 do.	do.	do.	do.	do.		2,500
33	David Roberts	Mapleton	5		5 0 do.	do.	do.	do.	do.		2,344
34	Staunton Blessing	do.	5		5 0 do.	do.	do.	do.	do.		2,240
35	R. Taylor & Sons	Princeville	5	75	4 6 do.	do.	do.	do.	do.		2,162
36	H. Kelley	Brimfield	5	28	4 6 do.	do.	do.	do.	do.		1,200
37	Barker Coal Co.	Pottstown	5		4 2 Dr.	do.	do.	do.	do.		1,200
38	Kickapoo Coal Co.	Edwards	5	32	4 6 St.	do.	do.	do.	do.		1,171
39	Harrison & Durant	Brimfield	5	37	4 6 Dr.	do.	do.	do.	do.		1,000
40	C. L. Hayes	do.	5	48	4 6 Sl.	do.	do.	do.	do.		1,000
41	W. J. Burdett	Pottstown	5		4 6 do.	do.	do.	do.	do.		980
42	Wm. Jones & Son	Mapleton	5		4 6 do.	do.	do.	do.	do.		864
43	Street-Forsten Coal Co.	Peoria	5		5 0 Dr.	do.	do.	do.	do.		860
44	Wm. H. Pool	Edwards	5	25	4 6 Sl.	do.	do.	do.	do.		640
45	J. W. Miller	Lauria	5	35	4 6 Sh.	do.	do.	do.	do.		558
46	Thos. Searliff	Mapleton	5		4 6 *	*	*	do.	do.		480
47	James Dalton	Elmwood	5	40	4 6 Sl.	Hd.	P.-R.	do.	do.		480
48	Nicholas Enjelke	Peoria	5		5 0 Dr.	do.	do.	do.	do.		436
49	Clarke & Co.	Brimfield	5		4 6 Sh.	do.	do.	do.	do.		425
50	Thos. Jones	Peoria	5		5 0 Sl.	do.	do.	do.	do.		400
51	Arthur Whiteker	Brimfield	5	35	4 6 Sl.	Ho.	do.	do.	do.		392
52	Berry Bros.	Monica	5	40	4 6 Sh.	do.	do.	do.	do.		360
53	Van Norman & Hartsil	Mapleton	5	150	5 0 do.	do.	do.	Hd.	do.		340
54	Huyrit Notzke	Oak Hill	5		4 0 do.	do.	do.	do.	do.		320
55	Edwarzo Seigel	do.	5		4 0 do.	do.	do.	do.	do.		300
56	Lorenzo Clarkson	do.	5		4 0 do.	do.	do.	do.	do.		240
57	Robert Scott	do.	5		4 0 do.	do.	do.	do.	do.		240
58	Harry Green	Hanna City	5		4 0 do.	do.	do.	do.	do.		240
59	Chas. Blusly	Laurea	5		4 0 Sl.	do.	do.	do.	do.		204
60	Sanders & Simons	Chillicothe	5		4 6 do.	Ho.	do.	do.	do.		204
61	Benj. Wolford	Hanna City	5		5 0 Sh.	St.	do.	do.	do.		200
62	Cruse & Baldi	do.	5	30	5 0 do.	do.	do.	do.	do.		200
63	Robert Bale	Brimfield	5		4 6 *	*	*	*	*		200
64	Lorenzo Clarkson	Oak Hill	5		4 6 Sh.	Hd.	P.-R.	Hd.	Hd.		200
65	Frank Riebeyser	Mapleton	5		5 0 *	*	*	*	*		160
66	B. H. Jobuson	Peoria	5		5 0 St.	Hd.	P.-R.	Hd.	Hd.		160
67	John Harvey	Sparland	5		4 6 do.	do.	do.	do.	do.		150
58	Peters Bros.	Mapleton	5		5 0 Sl.	St.	do.	do.	do.		120
69	Ash Johnson	Hanna City	5		5 0 St.	Hd.	do.	do.	do.		40
70	M. Snider	Oak Hill	5		4 6 Dr.	do.	do.	do.	do.		20
71	Fred Martin	Peoria	5		5 0 do.	Ho.	do.	do.	do.		500
Total—71 mines											1,054,673

\* Striping.





Table 74—Continued.

ROCK ISLAND COUNTY.

Number.	Name of Operator.	Postoffice mine.	Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Slope.	Shaft—slope, drift..	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	Total tons.
1	Volunteer Coal Co.	Coal Valley	1	70	3 8	Sh.	St.	P.-R.	Mule	Hd.		14,261
2	J. J. Pryce & Son.	do.	1	68	4 0	do.	do.	do.	do.	do.		26,936
3	Stoddard & Summerson	do.	1	32	3 6	St.	do.	do.	Hd.	do.		6,000
4	Stoehr & Schadt.	Carbon Cliff.	1	56	4 0	Sh.	do.	do.	do.	do.		4,267
5	Sackville Bros.	Coal Valley	1	55	3 6	do.	do.	do.	do.	do.		3,160
6	Alex E. Link.	Sunny Hill.	1	20	3 6	St.	do.	do.	do.	do.		1,940
7	M. W. Poster & Son.	Coal Valley	1	80	3 0	Sh.	do.	do.	do.	do.		1,630
8	Thos. Stone & Bro.	Moline	1	60	3 0	do.	Ho.	do.	do.	do.		1,280
9	Chas. Loding.	do.	1	30	3 0	do.	do.	do.	do.	do.		1,060
10	John A. Hynd.	do.	1	55	3 0	do.	do.	do.	do.	do.		960
11	Jamieson & Irvin.	do.	1	58	3 0	do.	do.	do.	do.	do.		540
12	Chas. Rosemond.	Carbon Cliff.	1	55	3 0	St.	do.	do.	do.	do.		530
13	Guckert Bros.	Hampton.	1	18	3 0	do.	do.	do.	do.	do.		317
14	Merritt Hunter.	Moline	1		3 0	Dr.	Hd.	do.	do.	do.		140
Total—14 mines.											62,961	

SALINE COUNTY.

1	O'Gara Coal Co.	Harrisburg	5	400	6 0	Sh.	St.	P.-R.	Motor	M		277,409
2	O'Gara Coal Co.	do.	5	200	6 0	do.	do.	do.	do.	Both.		245,233
3	O'Gara Coal Co.	do.	5	122	7 0	do.	do.	do.	Mule	Hd.		215,601
4	O'Gara Coal Co.	do.	5	200	7 0	do.	do.	do.	Motor	M		193,664
5	O'Gara Coal Co.	Eldorado	5	400	3 9	do.	do.	do.	do.	do.		161,783
6	O'Gara Coal Co.	Carrier Mills.	5	125	7 0	do.	do.	do.	Mule	do.		161,693
7	O'Gara Coal Co.	Ledford	5	143	7 0	do.	do.	do.	do.	Hd.		147,323
8	Saline County Coal Co.	Harrisburg	5	144	8 0	do.	do.	do.	do.	Both.		140,966
9	O'Gara Coal Co.	Eldorado	5	200	5 6	do.	do.	do.	Motor	M		125,678
10	O'Gara Coal Co.	Harrisburg	5	122	7 0	do.	do.	do.	Mule	Hd.		124,055
11	O'Gara Coal Co.	do.	5	200	5 6	do.	do.	do.	do.	Both.		119,616
12	O'Gara Coal Co.	Ledford	5	143	7 0	do.	do.	do.	do.	Hd.		112,821
13	Wasson Coal Co.	Harrisburg	5	320	5 0	do.	do.	do.	do.	do.		112,290
14	Saline County Coal Co.	do.	5	97	6 6	do.	do.	do.	do.	Both.		96,282
15	O'Gara Coal Co.	do.	5	120	7 0	do.	do.	do.	do.	Hd.		91,577
16	O'Gara Coal Co.	Eldorado	5	400	3 9	do.	do.	do.	do.	M		61,655
17	Galatia Coal Co.	Galatia	6	340	5 8	do.	do.	do.	do.	Hd.		13,273
18	Eldorado Coal Mining Co.	Eldorado	5	450	4 6	do.	do.	do.	do.	Both.		8,000
19	Davenport Mining Co.	Carrier Mills.	5	166	4 6	do.	do.	do.	do.	Hd.		231
20	Harrisburg Southern Coal Co.	Grayson.	5	337	6 0	do.	do.	do.	do.	Both.		58,437
21	G. A. Ingram.	Harrisburg	5	100	4 0	St.	Ho.	do.	do.	Hd.		10,000
22	William Travelstead.	Stone Fort	5	10	4 0	do.	St.	do.	do.	do.		2,400
23	Sheet Scapel.	do.	5	10	4 6	do.	do.	do.	do.	do.		2,375
24	John Yates.	Cottage Grove.	5	30	4 0	do.	Ho.	do.	do.	do.		1,100
25	James Yates.	do.	5	30	4 0	do.	do.	do.	do.	do.		1,000
26	S. J. Moore.	do.	5	35	4 0	do.	do.	do.	do.	do.		200
Total—26 mines.											2,482,677	

Table 74—Continued.

## SANGAMON COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, Horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	Total ton
1	Chicago, Wilmington, Vermilion Coal Co.	Thayer.....	6	292	7.11	Sh.	St.	P.-R.	Motor	M....	368,548
2	Madison Coal Corporation.....	Divernon.....	6	318	8.0	do.	do.	do.	do.	do.	335,799
3	Illinois Midland Coal Co.....	Sherman.....	5	201	6.0	do.	do.	do.	Mule.	Hd...	302,305
4	Illinois Midland Coal Co.....	Pawnee.....	6	325	7.6	do.	do.	do.	do.	do.	296,527
5	Woodside Coal Co.....	Springfield.....	5	259	5.9	do.	do.	do.	do.	do.	267,276
6	Springfield Coal Mining Co.....	do.....	5	250	5.9	do.	do.	do.	do.	do.	264,115
7	Springfield Colliery Co.....	do.....	5	280	5.9	do.	do.	do.	Motor	do.	257,174
8	Black Diamond Coal Co.....	Auburn.....	6	270	7.6	do.	do.	do.	do.	do.	263,621
9	Springfield Coal Mining Co.....	Riverton.....	5	232	5.9	do.	do.	do.	Mule.	do.	201,885
10	Capitol Coal Co.....	Springfield.....	5	240	5.9	do.	do.	do.	Cable	do.	185,475
11	Sangamon Coal Co.....	do.....	5	265	5.9	do.	do.	do.	Motor	do.	161,334
12	Chicago-Springfield Coal Co.....	do.....	5	225	5.9	do.	do.	do.	Mule.	do.	159,450
13	Springfield Coal Mining Co.....	do.....	5	245	5.9	do.	do.	do.	do.	do.	144,880
14	Tuxhorn Coal Co.....	do.....	5	220	5.9	do.	do.	do.	do.	do.	142,666
15	Springfield Coal Mining Co.....	Riverton.....	5	230	5.9	do.	do.	do.	Cable	do.	140,621
16	Cora Coal Co.....	Springfield.....	5	230	6.0	do.	do.	do.	do.	do.	132,950
17	Springfield Coal Mining Co.....	do.....	5	240	5.9	do.	do.	do.	do.	do.	108,800
18	Springfield Coöperative Co.....	do.....	5	230	5.9	do.	do.	do.	do.	do.	110,480
19	Barelay Coal Mining Co.....	do.....	5	249	5.9	do.	do.	do.	Motor	do.	102,592
20	Standard Washed Coal Co.....	do.....	5	238	5.9	do.	do.	do.	Mule.	do.	99,826
21	Cantrall Coöperative Coal Co.....	Cantrall.....	5	213	6.0	do.	do.	do.	do.	do.	98,862
22	West End Coal Co.....	Springfield.....	5	150	5.9	do.	do.	do.	Motor	do.	98,358
23	Citizens Coal Mining Co.....	do.....	5	210	5.9	do.	do.	do.	Mule.	do.	93,194
24	Illinois Collieries.....	do.....	6	280	7.6	do.	do.	do.	do.	do.	93,124
25	Standard Washed Coal Co.....	Bissell.....	5	249	5.9	do.	do.	do.	do.	do.	91,960
26	Illinois Collieries Co.....	Springfield.....	5	250	5.9	do.	do.	do.	Motor	do.	85,337
27	O'Gara & King.....	do.....	5	250	5.9	do.	do.	do.	Mule.	do.	84,018
28	Citizens Coal Mining Co.....	do.....	5	205	5.9	do.	do.	do.	do.	do.	76,854
29	Wabash Coal Co.....	Dawson.....	5	259	5.0	do.	do.	do.	do.	do.	76,681
30	Spring Creek Coal Co.....	Springfield.....	5	160	5.9	do.	do.	do.	do.	do.	63,940
31	Auburn & Alton.....	Auburn.....	6	268	7.6	do.	do.	do.	do.	do.	56,814
32	Jones & Adams Coal Co.....	Springfield.....	5	245	5.9	do.	do.	do.	Cable	do.	38,239
33	Williamsville Coal Co.....	Selbytown.....	5	269	5.6	do.	do.	do.	do.	do.	24,305
34	Mechanicsburg Coal Co.....	Mechanicsburg.....	5	280	5.0	do.	do.	do.	do.	do.	21,324
35	Lincoln Park.....	Springfield.....	5	204	5.6	do.	do.	do.	Mule.	do.	41,082
36	Crompton & Davis.....	Salsbury.....	5	84	5.6	do.	do.	do.	do.	do.	1,780
37	Citizens Coal Co.....	Pleasant Plains.....	5	110	5.6	do.	do.	do.	do.	do.	430
Total—37 mines.....											5,082,626

## SCHUYLER COUNTY.

1	Whelhouse & Kerr.....	Rushville.....	5	77	4.6	Sh.	Ho.	P.-R.	Mule.	Hd...	4,950
2	Cyrus L. DeWitt.....	do.....	5	35	4.6	do.	do.	do.	do.	do.	1,407
3	Ferry & Wine.....	Fredrick.....	5	4.6	Dr.	do.	do.	do.	do.	do.	922
4	Littleton Coal Co.....	Littleton.....	5	40	4.6	Sh.	do.	do.	do.	do.	1,100
5	W. Cummins.....	Rushville.....	5	40	4.6	Dr.	do.	do.	do.	do.	780
6	Charles Foster.....	Pleasant View.....	5	50	4.6	do.	do.	do.	do.	do.	600
7	Ray Tile Works.....	Ray.....	5	40	4.6	do.	do.	do.	do.	do.	600
8	Mrs. Strong.....	Pleasant View.....	5	40	4.6	Sh.	do.	do.	do.	do.	500
9	Ed. Duffie.....	Rushville.....	5	40	4.6	Dr.	do.	do.	do.	do.	300
10	Simon Pavewood.....	Littleton.....	5	50	4.6	do.	do.	do.	do.	do.	250
11	Spiller & Eagle.....	Pleasant View.....	5	40	2.6	do.	do.	do.	do.	do.	200
12	John Eagle.....	Littleton.....	5	40	2.6	do.	do.	do.	do.	do.	125
13	Ralph Strong.....	Pleasant View.....	5	40	2.6	do.	do.	do.	do.	do.	100
Total—13 mines.....											11,835

Table 74—Continued.

SCOTT COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	Total tons.
1	W. H. Bates & Co.	Winchester.	1	90	2 6	Sh.	St.	L. W.	Mule.	Hd...	6,098
2	Wm. Kund.	Bluffs.	1	75	2 6	Sl.	Hd.	P.-R.	Hd...	do.	1,130
3	McLaughlin Mining Co.	Alsey.	1	70	2 6	Sh.	St.	do.	do.	do.	1,059
4	Chas. McElwee.	Winchester.	1	25	2 6	Dr.	do.	do.	do.	do.	811
5	John McGuire.	Alsey.	2	2	2 6	do.	Hd.	do.	do.	do.	800
6	Ed. Berry.	Exeter.	2	60	2 6	do.	do.	do.	do.	do.	700
7	Ed. Rauff.	Bluffs.	1	2	2 6	Sl.	do.	do.	do.	do.	647
8	Geo. Sellers.	Winchester.	1	25	2 6	Dr.	do.	do.	do.	do.	457
9	Winchester Mining Co.	do.	1	2	2 6	Sh.	Ho.	do.	do.	do.	40
10	James A. Jones.	do.	1	20	2 6	Dr.	Hd.	do.	do.	do.	680
11	Pat McGuire.	do.	2	2	2 6	do.	do.	do.	do.	do.	240
Total—11 mines.											13,262

SHELBY COUNTY.

1	Century Coal Co.	Tower Hill	5	804	5 4	Sh.	Sl.	P.-R.	Mule.	Hd...	94,366
2	Moweaqua Coal Co.	Moweaqua	6	618	8 4	do.	do.	do.	do.	Both	63,840
3	B. F. Stretch.	Shelbyville	14	150	2 4	do.	do.	do.	Hd.	Hd...	2,000
4	Widdick Bros.	Findly.	14	108	2 4	do.	do.	do.	do.	do.	1,740
5	Wm. Baum.	Shelbyville	14	123	2 4	do.	Ho.	do.	do.	do.	1,618
6	John Anglin.	do.	14	74	2 4	do.	do.	do.	do.	do.	800
7	W. F. Gallagher.	Mode.	14	40	2 4	do.	do.	do.	do.	do.	400
8	Kingston & Hickey.	Shelbyville	14	116	2 4	do.	do.	do.	do.	do.	400
9	M. R. Williams.	do.	14	64	2 4	do.	do.	do.	do.	do.	125
Total—9 mines.											165,289

STARK COUNTY.

1	J. J. Flemin & Co.	Wyoming	6	65	4 6	Sh.	St.	P.-R.	Hd.	Hd...	6,174
2	W. B. Ballentine.	do.	6	80	4 6	do.	Ho.	do.	do.	do.	5,342
3	Nicholas Peterson.	Bradford.	6	100	4 6	do.	do.	do.	do.	do.	3,000
4	Theodore McDaniel & Co.	Wyoming	6	130	4 6	do.	do.	do.	do.	do.	2,073
5	James Scott.	do.	6	60	4 6	do.	St.	do.	do.	do.	1,600
6	Wm. Anderson & Watson.	do.	6	60	4 6	do.	St.	do.	do.	do.	3,434
7	Jas. Savill.	do.	6	2	4 6	Dr.	Hd.	do.	do.	do.	2,411
8	S. French.	Bradford.	6	100	4 6	Sh.	Ho.	do.	do.	do.	250
9	Ova Jacobs.	do.	6	138	4 6	do.	do.	do.	do.	do.	100
10	Beaver Bros.	Wyoming	6	76	4 6	do.	do.	do.	do.	do.	60
Total—10 mines.											24,444

Table 74—Continued.

## ST. CLAIR COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.		Shaft—slope, drift.	Holsting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, cable, electric.	Mining—hand, machine, both.	Total tons.	
			Depth of coal surface—feet.	Thickness of seam—feet and inches.							
1	Consolidated Coal Co.	Collinsville.	6	218	6 0	Sh.	St.	P.-R.	M.	M.	440,666
2	St. Louis & O'Fallon C. Co.	Belleville.	6	197	6 0	do.	do.	do.	Motor	do.	378,409
3	St. Louis & O'Fallon C. Co.	do.	6	103	6 0	do.	do.	do.	Hd.	do.	278,817
4	Prairie Coal Co.	do.	6	200	7 0	do.	do.	do.	M.	do.	261,970
5	Southern Coal & Mining Co.	do.	6	200	7 0	do.	do.	do.	do.	M.	233,736
6	Superior Coal & Mining Co.	do.	6	186	6 0	do.	do.	do.	Hd.	do.	153,797
7	Joseph Taylor Coal Co.	O'Fallon	6	210	7 0	do.	do.	do.	do.	M.	135,300
8	Joseph Taylor Coal Co.	do.	6	210	7 0	do.	do.	do.	Motor	M.	131,500
9	Southern Coal & Mining Co.	Belleville.	6	140	6 0	do.	do.	do.	Mule.	do.	124,410
10	Joseph Taylor Coal Co.	O'Fallon	6	200	7 0	do.	do.	do.	Motor	Hd.	118,700
11	Fullerton Coal Co.	Belleville	6	160	7 0	do.	do.	do.	M.	do.	95,996
12	Breese-Trenton Mining Co.	*Trenton	6	200	5 6	do.	do.	do.	do.	M.	88,999
13	Consolidated Coal Co.	Collinsville.	6	160	7 0	do.	do.	do.	do.	do.	88,966
14	Suburban Coal & Mining Co.	Belleville.	6	180	6 0	do.	do.	do.	Hd.	do.	88,769
15	Borders Coal Co.	Marissa	6	80	7 0	do.	do.	do.	do.	do.	79,073
16	Royal Coal & Mining Co.	Belleville	6	190	7 0	do.	do.	do.	do.	do.	74,327
17	Kalb Coal Co.	Mascoutah	6	180	6 0	do.	do.	do.	Hd.	do.	65,920
18	International Coal & M. Co.	O'Fallon	6	210	7 0	do.	do.	do.	Motor	do.	65,906
19	Summit Coal & Mining Co.	Belleville.	6	190	7 0	do.	do.	do.	Mule.	do.	62,886
20	Mulberry Hill Coal Co.	Freeburg.	6	150	7 0	do.	do.	do.	do.	do.	62,350
21	Borders Coal Co.	Marissa	6	90	6 6	do.	do.	do.	do.	M.	59,494
22	Avery Coal & Mining Co.	Freeburg.	6	150	7 0	do.	do.	do.	Hd.	do.	59,353
23	Kolb Coal Co.	Mascoutah.	6	80	7 0	do.	do.	do.	do.	do.	59,270
24	Belleville & O'Fallon Coal Co.	Belleville.	6	120	6 0	do.	do.	do.	do.	do.	57,288
25	Bessemer Washed Coal Co.	Marissa	6	175	6 0	do.	do.	do.	do.	do.	54,904
26	Southern Coal & Mining Co.	Belleville.	6	200	7 0	do.	do.	do.	do.	M.	51,902
27	Southern Coal & Mining Co.	do.	6	175	7 0	do.	do.	do.	do.	do.	49,431
28	Missouri & Illinois Coal Co.	Wilderman.	6	90	6 0	do.	do.	do.	Hd.	do.	48,457
29	Vulean Coal & Mining Co.	Belleville.	6	75	7 0	do.	do.	do.	do.	do.	47,677
30	Clusley-Miller Coal Co.	Caseyville.	6	175	7 0	do.	do.	do.	do.	do.	44,898
31	Jones Bros. Coal Co.	Marissa	6	114	7 0	Sh.	do.	do.	do.	do.	44,129
32	Kolb Coal Co.	Mascoutah.	6	80	7 0	do.	do.	do.	do.	do.	43,203
33	Vulean Coal & Mining Co.	Belleville.	6	75	7 0	do.	do.	do.	do.	do.	42,572
34	Marissa Coal & Mining Co.	Marissa	6	120	7 0	do.	do.	do.	Cable	do.	42,510
35	Beatty Coal Co.	Mascoutah.	6	140	7 0	do.	do.	do.	M.	H.	39,600
36	Johnson Coal Co.	Marissa	6	120	6 6	do.	do.	do.	Motor	Hd.	38,244
37	Bessemer Washed Coal Co.	Lenzburg.	6	191	7 0	do.	do.	do.	do.	do.	37,312
38	Johnson Coal Co.	Freeburg.	6	136	7 0	do.	do.	do.	M.	do.	35,586
39	Missouri & Illinois Coal Co.	do.	6	120	7 0	do.	do.	do.	do.	do.	35,043
40	Southern Coal & Mining Co.	Belleville	6	155	6 0	do.	do.	do.	do.	do.	33,130
41	Glendale Coal & Mining Co.	do.	6	150	6 0	do.	do.	do.	Motor	M.	31,463
42	White & Nesbit Coal Co.	do.	6	90	6 0	do.	do.	do.	do.	Hd.	31,536
43	Southern Coal & Mining Co.	do.	6	187	7 0	do.	do.	do.	do.	M.	28,383
44	Pittsburg Coal & Mining Co.	do.	6	175	7 0	do.	do.	do.	do.	Hd.	27,945
45	Highland Coal Co.	do.	6	130	6 0	do.	do.	do.	do.	do.	25,067
46	Kolb Coal Co.	Mascoutah.	6	113	6 0	do.	do.	do.	do.	do.	23,268
47	Dewey Coal Co.	Belleville.	6	200	6 0	do.	do.	do.	do.	M.	22,722
48	T. M. Weeks Coal Co.	Marissa	6	170	6 0	do.	do.	do.	do.	Hd.	21,019
49	International Coal & M. Co.	O'Fallon	6	200	6 0	do.	do.	do.	do.	do.	20,952
50	Missouri & Illinois Coal Co.	Rentchler	6	130	7 0	do.	do.	do.	do.	do.	20,596
51	Central Indiana Coal & M. Co.	do.	6	120	6 0	do.	do.	do.	do.	do.	20,578
52	Herman Phuhl	Richland.	6	90	7 0	do.	do.	do.	do.	do.	17,825
53	L. Senior	Belleville.	6	55	6 0	do.	do.	do.	do.	do.	12,183
54	Harmony Coal Co.	do.	6	175	7 0	do.	do.	do.	do.	do.	12,153
55	Bessemer Washed Coal Co.	Marissa	6	175	6 0	do.	do.	do.	do.	do.	6,960
56	Murphy Coal Co.	Belleville.	6	60	6 0	do.	do.	do.	do.	do.	3,062
57	Tower Grove Coal Co.	do.	6	150	6 0	do.	do.	do.	do.	do.	24,196
58	Wm. Lattman.	do.	6	60	6 0	do.	do.	do.	do.	do.	18,210
59	Frank Sargent.	do.	6	60	6 0	do.	do.	do.	do.	do.	15,800
60	Aug. Eble	do.	6	50	6 0	do.	do.	do.	do.	do.	14,210

\*Postoffice address—Clinton County.

Table 74—Continued.

ST. CLAIR COUNTY—Concluded.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	Total tons.
61	Bretz & Schilling	Belleville	6	100	6.0	Sh.	St.	P.-R.	M.	Hd.	13,750
62	Coöperative Coal Co.	New Athens	6	66	6.0	do.	Ho.	do.	do.	do.	10,659
63	Jas Sliment & Son	Centerville	6	40	6.0	Dr.	St.	do.	M.	do.	5,962
64	Lebanon City Coal Co.	Lebanon	6	210	6.0	Sh.	Ho.	do.	Hd.	do.	4,520
65	Wm. Pistor	Millstadt	6	46	6.0	do.	St.	do.	do.	do.	4,318
66	John F. Beatty	Mascoutah	6	160	6.0	do.	Hd.	do.	M.	do.	3,111
67	Jas Taylor	Belleville	6	35	6.0	do.	do.	do.	Hd.	do.	3,000
68	Hartman Bros.	Millstadt	6	45	6.0	do.	St.	do.	do.	do.	2,880
69	Edgemont Coal Co.	French Village	6	90	6.0	do.	H.	do.	do.	do.	2,744
70	Diamond Joe Coal Co.	Millstadt	6	10	6.0	Sl.	St.	do.	do.	do.	2,724
71	Little Muddy Coal Co.	Marissa	6	66	6.0	Sh.	do.	do.	do.	do.	1,880
72	Phillip Dietrich	Freeburg	6	84	6.0	do.	Ho.	do.	do.	do.	1,516
73	Drift Coal Co.	Caseyville	6	25	6.0	Sl.	do.	do.	do.	do.	1,425
74	Arthur Johnson	Belleville	6	20	6.0	do.	do.	P.-R.	H.	do.	1,300
75	Thos. McBride	Freeburg	6	42	6.0	do.	do.	do.	do.	do.	850
76	Geo. Schmidt	Millstadt	6	40	6.0	do.	do.	do.	do.	do.	200
77	Fred J. Ziska	Belleville	6	25	6.0	do.	do.	do.	do.	do.	172
Total—77 mines											4,413,639

TAZEWELL COUNTY.

1	Tazewell Coal Co.	Pekin	5	120	4.0	Sh.	St.	P.-R.	Mule	Hd.	74,109
2	Phoenix Coal Co.	Peoria	5	100	4.0	do.	do.	do.	Cable	do.	37,775
3	Grant Bros Coal & Ice Co.	Pekin	5	100	4.0	do.	do.	do.	Mule	do.	26,825
4	Eastern Coal Co.	Peoria	5	75	4.0	do.	do.	do.	do.	do.	21,737
5	Champion Coal Co.	Pekin	5	209	4.0	do.	do.	do.	do.	do.	20,290
6	Lake Erie Coal & Mining Co.	Peoria	5	200	4.0	Dr.	do.	do.	Cable	do.	11,233
7	A. B. Cummings	E. Peoria	5	200	4.0	do.	do.	do.	do.	do.	13,390
8	G. Gubelhausen & Son	Peoria R. R. 34	5	96	4.0	Sh.	do.	do.	Mule	do.	7,797
9	Schmidt Bros.	E. Peoria	5	80	4.0	do.	Ho.	do.	do.	do.	3,029
10	Martens & Fisher	do.	5	70	4.0	Sl.	St.	do.	Cable	do.	2,000
11	Fred Seffer	do.	6	50	4.0	Dr.	Hd.	do.	Hd.	do.	250
Total—11 mines											218,435



Table 74—Continued.

WARREN COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.		Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steamy horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	Total tons.
1	H. J. Rohr.....	Alexis.....	1	40	3.10	Sh.	St.	P.-R.	Hd...	Hd...		2,800
2	F. R. Kennedy.....	Monmouth.....	2	67	2.0	do.	Ho.	do.	do.	do.		2,030
3	Simcox Bros.....	Alexis.....	3	60	3.10	do.	St.	do.	do.	do.		1,980
4	Bryner & Hall.....	Roseville.....	4	20	1.10	Sl.	Ho.	do.	do.	do.		1,200
5	Thomas Caldwell.....	Avon.....	5	1	1.10	Dr.	Hd.	do.	do.	do.		654
6	Willis Clayton.....	do.....	6	1	1.10	do.	do.	do.	do.	do.		630
7	J. C. Clark.....	Monmouth.....	7	76	2.4	Sh.	Ho.	do.	do.	do.		440
8	J. G. Lee.....	Youngstown.....	8	17	1.10	Sl.	do.	do.	do.	do.		384
9	Wm. D. Ruhl.....	Avon.....	9	16	1.10	do.	Hd.	do.	do.	do.		360
10	Manuel & Wallingford.....	Roseville.....	10	16	1.8	do.	do.	do.	do.	do.		328
11	A. J. Hartford.....	Youngstown.....	11	20	1.8	do.	Ho.	do.	do.	do.		240
12	D. L. Howard.....	Monmouth.....	12	12	2.0	do.	Hd.	do.	do.	do.		180
13	Joseph Simpson.....	Swan Creek.....	13	10	1.8	do.	Ho.	do.	do.	do.		80
14	A. W. Palmer.....	Monmouth.....	14	65	2.0	Sh.	do.	do.	do.	do.		80
15	Tracy & Miller.....	Roseville.....	15	12	1.10	Sl.	do.	do.	do.	do.		60
Total—15 mines.....											11,446	

WASHINGTON COUNTY.

1	Nicholson Coal Co.....	Nashville.....	6	425	6.0	Sh.	St.	P.-R.	Mule.	Hd...		38,608
2	Kuhn Coal Co.....	DuBois.....	6	296	6.0	do.	do.	do.	do.	do.		36,940
Total—2 mines.....											75,548	

WHITE COUNTY.

1	Norris City Coal Co.....	Norris City.....	6	640	5.0	Sh.	St.	R.-P.	Mule.	Hd...		19,480
Total—1 mine.....											19,480	

WILL COUNTY.

1	Wilm. Coal M. & Mfg. Co.....	Torino.....	2	90	3.0	Sh.	St.	L. W.	M....	Hd...		67,418
2	Murphy Keenan & Co.....	Braidwood.....	2	55	3.5	do.	do.	do.	do.	do.		60,256
3	Joliet Wilm. Coal Co.....	do.....	2	115	3.0	do.	do.	do.	do.	do.		28,840
4	John O'Connor & Co.....	do.....	2	51	3.0	do.	Hd.	do.	do.	do.		4,500
Total—4 mines.....											161,014	





Table 75 recapitulates table 74 and is arranged by the geological number of the seams of coal from which the coal has been taken during the past year. The number of counties wherein the different seams are found and the number of mines working each seam. Also the number of long wall, pillar and room and strip mines, the character of the openings and the tons produced from each seam.

TABLE 75—*Summary of the Physical Character of the Coal Mines of the State, Geological Number of Seams, Manner of Working, Kind of Openings and Tons Produced—1908.*

GEOLOGICAL NUMBER OF SEAM.	Number of Counties.	Number of mines.	MANNER OF WORKING.			CHARACTER OF OPENING.			Tons.
			Long wall.	Pillar and room.	Strip.	Shaft.	Slope.	Drift.	
1.....	10	61		61		41	10	10	587,611
1 and 2.....	1	1	1			1			89,210
2.....	22	167	43	123	1	81	30	56	5,654,924
3.....	2	7		7		5		2	11,108
4.....	1	1		1		1			2,000
5.....	16	255	5	245	5	146	36	73	11,473,392
6.....	29	353	1	352		291	27	35	29,759,180
7.....	9	59	1	55	3	36	2	21	1,672,642
14.....	1	7		7		7			7,083
Pocket.....	1	4		4		4			1,590
Not given.....	3	7		7		7			13,712
Totals.....		922	51	862	9	620	105	197	49,272,452

## FATAL ACCIDENTS.

Table 76 gives by districts, the number of deaths caused by accidents in and around the coal mines of the State during the past year, also where the men were employed, whether above or underground, the number of employes, the tons mined, the number of employes and the tons of coal to each death and the ratio per 1,000 employed. The number killed was 183, this is eighteen or 10.9 per cent more than reported last year. The seventh, eighth, ninth and tenth districts account for 62.3 per cent of the whole number killed.

The fourth district shows a much lower death rate than either of the others, consequently by far the greatest number of tons to each life lost.

TABLE 76—*Fatal Casualties by Districts for the Year Ended June 30, 1908.*

DISTRICTS.	Killed.	WHERE EMPLOYED.		EMPLOYES.			Total tons of coal mined.	Number employes to each death.	Ratio per 1,000 employed.	Number of tons of coal to each death.
		Under ground.	Above ground.	Under ground.	Above ground.	Total.				
First.....	16	16	.....	6,187	613	6,800	2,980,228	425	2.4	186,264
Second.....	6	6	.....	5,342	460	5,802	2,373,935	967	1.0	395,656
Third.....	7	5	2	3,766	359	4,125	2,370,764	589	1.7	338,681
Fourth.....	3	2	1	3,975	331	4,306	2,524,602	1,435	0.7	841,534
Fifth.....	19	19	.....	4,099	258	4,357	2,902,369	229	4.4	152,756
Sixth.....	18	17	1	7,336	708	8,044	5,923,197	447	2.2	329,067
Seventh.....	28	24	4	8,243	811	9,054	7,237,368	323	3.1	258,477
Eighth.....	22	21	1	8,439	923	9,362	8,101,263	426	2.3	368,239
Ninth.....	33	30	3	7,102	826	7,928	6,293,601	240	4.2	190,715
Tenth.....	31	30	1	9,935	1,128	11,063	8,565,125	357	2.8	276,294
The State.....	183	170	13	64,424	6,417	70,841	49,272,452	387	2.6	269,248

Table 77 presents for a series of twenty-six years, the number killed, with the averages of men and tons, also the number of employes and tons to each life lost and the ratio of the killed to each 1,000 employed. The total number of men killed during the twenty-six years, was 2,407 or an average of ninety-three to each year. The average number employed for each year was 39,665. The total output of coal mined was 600,015,492 tons, giving an average of 23,077,519 tons for each year. The number of employes to each life lost for the same period was 428 and the tons mined was 249,279.

The ratio of men killed to 1,000 employed was 2.6 for this year and 2.3 for the series of years.

TABLE 77—*Fatal Accidents for Twenty-six Years.*

Year.	Number killed.	Total number of employes.	Total tons of coal mined.	Number of employes to each life lost.	Rate per 1,000.	Number of tons of coal produced to each life lost.
1883.....	*134	23,939	12,123,456	179.6	5.6	90,474
1884.....	46	25,575	12,208,075	566	1.8	265,393
1885.....	39	25,946	11,834,459	652.4	1.5	303,448
1886.....	52	25,846	11,175,241	497	2.0	214,909
1887.....	41	26,804	12,423,066	654	1.5	303,002
1888.....	55	29,410	14,328,181	534.7	1.9	260,512
1889.....	42	30,076	14,017,298	716.1	1.4	333,745
1890.....	53	28,574	15,274,727	539.1	1.9	288,203
1891.....	60	32,951	15,660,698	549	1.8	261,012
1892.....	57	33,632	17,862,276	590	1.7	313,372
1893.....	69	35,390	19,949,564	513	1.9	289,124
1894.....	72	38,477	17,113,576	534	2.2	237,688
1895.....	75	33,630	17,735,864	515	2.3	236,478
1896.....	77	37,057	19,786,626	481	2.3	256,969
1897.....	69	33,788	20,072,758	489.7	2.0	290,910
1898.....	75	35,026	18,599,299	467	2.1	247,991
1899.....	84	36,901	23,434,445	440	2.3	278,982
1900.....	94	39,384	25,153,929	419	2.4	267,595
1901.....	99	44,143	26,635,319	445.9	2.2	269,044
1902.....	99	46,005	30,021,300	464.7	2.2	303,245
1903.....	156	49,814	34,955,400	319.3	3.1	224,073
1904.....	157	54,774	37,077,897	348.9	2.9	236,165
1905.....	199	59,230	37,183,374	298	3.4	186,851
1906.....	155	62,283	38,317,581	402	2.5	247,210
1907.....	165	66,714	47,798,621	404	2.5	289,689
1908.....	183	70,841	49,272,452	387	2.6	269,248
Average—26 years.....	93	39,665	23,077,519	428	2.3	249,279

Table 78 presents the averages for a series of twenty-six years showing the number killed, employés and tons mined, also the proportion of deaths to employés and tons, and the ratio of deaths to each 1,000 employed.

TABLE 78—*Fatal Accidents, Averages and Proportions for Nine Years, 1883-1891, and for the Succeeding Seventeen Years, 1892-1908.*

NUMBER OF YEARS.	AVERAGE.			PROPORTION OF—		Ratio per 1,000.
	Killed.	Employés.	Tons mined.	Employés to each life lost.	Tons to each life lost.	
9 years.....	58	27,623	13,227,245	476.3	208,899	2.1
10 years.....	58	28,224	13,610,748	487.5	235,073	2.1
11 years.....	59	28,876	14,187,004	499.2	240,829	2.0
12 years.....	60	29,189	14,430,885	486.5	240,515	2.1
13 years.....	61	29,402	14,685,114	481.	240,134	2.1
14 years.....	62	29,663	15,049,508	464.8	241,621	2.1
15 years.....	63	29,938	15,384,391	479.	245,235	2.1
16 years.....	64	30,256	15,585,323	476.5	245,438	2.1
17 years.....	65	30,652	16,047,036	473.7	248,000	2.1
18 years.....	66	31,137	16,552,974	469.4	249,568	2.1
19 years.....	68	31,822	17,083,624	467.6	251,035	2.1
20 years.....	70	32,531	17,730,508	467.4	254,748	2.1
21 years.....	74	33,354	18,550,741	452.5	251,657	2.2
22 years.....	78	34,328	19,392,884	442.9	250,231	2.3
23 years.....	83	35,410	20,166,384	427.8	243,607	2.3
24 years.....	86	36,530	20,922,767	425.	243,288	2.4
25 years.....	89	37,737	21,997,733	424.	247,277	2.3
26 years.....	93	39,665	23,077,519	428.	249,279	2.3

Table 79 shows by districts, a list of twenty-one causes resulting in the death of the 183 employés during the year. Of the twenty-seven deaths from falling coal, all excepting one in the first district, occurred in the seventh, eighth, ninth and tenth. Combining the number of deaths caused by falling coal, rock, clod and slate, gives a total of ninety-one or 49.7 per cent of all the deaths, while pit cars killed thirty-five or 19.1 per cent of the total number. The five causes here named caused 68.8 per cent of all the deaths.

TABLE 79—*Fatal Accidents by Causes for 1908, by Districts, with Percentages*

Number.	CAUSES.	Totals.	DISTRICTS.										Per- cent- ages.
			1st	2d	3d	4th	5th	6th	7th	8th	9th	10th	
1	Blast explosion .....	6						1			4	1	3.28
2	Blown out shot .....	5							3			2	2.73
3	Cages .....	1										1	0.55
4	Cap piece .....	1								1			0.55
5	Explosion drilling shot .....	1									1		0.55
6	Falling clod .....	6						1		4	1		3.28
7	Falling coal .....	27	1						9	7	7	5	14.76
8	Falling down shaft .....	3										2	1.64
9	Falling pipe .....	3	3										1.64
10	Falling rock or roof .....	33	10	4	1		15	1	2				18.04
11	Falling slate .....	25				1	1	2	4	4	4	9	13.61
12	Flying coal .....	3								2		1	1.64
13	Gas explosion .....	7							1		4	2	3.83
14	Machinery .....	3			1				1	1			1.64
15	Pit cars .....	35	1	2	4	1	2	4	5	2	5	9	19.13
16	Powder explosion .....	8					1	5		1	1		4.38
17	Premature blast .....	4	1					1		1	1		2.19
18	Railroad cars .....	8			1	1		1	3			2	4.37
19	Revolving screen .....	1									1		0.55
20	Shot blowing through rib .....	2						2					1.09
21	Trolley wire .....	1								1			0.55
	Totals .....	183	16	6	7	3	19	18	28	22	33	31	100.00

Table 80 gives the number killed in the coal mines of the State for twenty-one years. The table is arranged to show the number of deaths each year resulting from seven leading causes all of which are inseparably connected with the mining of coal. The explosions occurring in the mines this year, caused directly or indirectly from the use of powder, such as blasts, blown out shots, gas, or careless handling of powder, etc., number thirty-six or 19.7 per cent of the whole number killed. Denominating these as one cause, and adding all others shown under the heading, constitute the seven leading causes, these account for a total of 174 deaths or 95.1 per cent of the total number killed.

TABLE 80—*Fatal Accidents for Twenty-one Years, by Leading Causes.*

YEARS.	LEADING CAUSES.										OTHER CAUSES.	
	Totals.	Blasts and explosions.	Cages.	Falling coal, rock and roof.	Falling down shaft.	Fire, black and white damp.	Pit cars.	Railway cars.	Total.	Percentages.	Total.	Percentages.
1888.....	55	9	2	33	4	.....	6	1	55	100.0	.....	.....
1889.....	42	3	4	26	2	.....	5	.....	40	95.2	2	4.8
1890.....	53	4	4	36	.....	5	3	1	53	100.0	.....	.....
1891.....	60	11	4	33	1	4	2	2	57	95.0	3	5.0
1892.....	57	4	4	28	8	3	6	1	54	94.7	3	5.3
1893.....	69	6	4	48	3	2	2	1	66	95.7	3	4.3
1894.....	72	8	8	43	5	.....	6	2	72	100.0	.....	.....
1895.....	75	12	4	38	4	5	5	1	69	92.0	6	8.0
1896.....	77	9	5	41	6	2	7	1	21	92.2	6	7.8
1897.....	69	11	.....	46	5	2	1	1	66	95.7	3	4.3
1898.....	75	11	2	43	4	7	2	1	70	93.3	5	6.7
1899.....	84	4	5	51	4	4	6	1	75	89.3	9	10.7
1900.....	94	17	4	51	1	1	11	2	87	92.6	7	7.4
1901.....	99	3	1	57	1	1	11	.....	74	74.7	25	23.3
1902.....	99	13	2	55	7	.....	15	2	94	95.0	5	5.0
1903.....	156	47	6	77	2	.....	18	.....	150	96.2	6	3.8
1904.....	157	44	4	65	8	.....	21	2	144	91.7	13	8.3
1905.....	199	82	6	80	4	3	10	1	186	93.5	13	6.5
1906.....	155	24	5	84	9	.....	18	4	144	92.9	11	7.1
1907.....	165	24	8	84	6	4	28	4	158	95.8	7	4.2
1908.....	183	36	1	91	3	.....	35	8	174	95.1	9	4.9
Total 21 years.....	2,095	382	83	1,110	87	43	218	36	1,959	93.5	136	6.5
Percentages 21 years.....	.....	18.1	4.0	53.1	4.1	2.1	10.4	1.7	.....	.....	6.5	.....

Table 81 presents, by districts, the number of deaths which have occurred in the coal mines, together with the total number killed for the past eight years.

The table shows the number killed from five defined causes traceable to the use of powder in the mines, giving the totals of these. There is added three other named causes; gas explosions, falling coal, rock, etc., and pit cars, also a column giving the various other causes resulting in death. This year there were twenty-nine deaths resulting directly or indirectly from the use of powder in bringing down the coal, fifteen of whom were miners and fourteen shot firers, one shot firer was killed by falling coal. However, it is found that, of the eight men killed, shown in the table designated as powder explosions, seven of the number met death by their own carelessness in handling powder, such as filling cartridges, or cans while carrying a naked lamp, testing a fuse and opening a keg of powder with a pick. One of these is reported from the fifth district, four from the sixth, one from the eighth and one from the ninth. Deducting these leaves twenty-two killed by the use of powder for blasting coal, this is 12.0 per cent of the total number killed. Directing attention to the column in the table headed total from blasts, etc., caused by the use of powder, for the past six years, 1903-1908, inclusive, it will be seen that the total number killed was 194, of this number 119 or 61.3 per cent occurred during the three years 1903, 1904 and 1905, while seventy-five or 38.7 per cent occurred during the three years 1906, 1907 and 1908. This is a decrease of forty-six or 28.5 per cent in favor of the three years just past. Attention is also directed to the column in the table headed pit cars. The total number killed this year from this cause was thirty-five or 22.5 per cent of the total number from this source during the past eight years.





Table 82 presents the percentages of the totals of each item shown in table 81 for the eight years. The first four columns under the head of all causes presents the percentages of the chief dangers impendent at all times to the miner and others working in the coal mines. For this year the deaths from the use of powder was twenty-nine or 15.9 per cent of the total number killed, seven or 3.8 per cent was from gas explosions, ninety-one or 49.7 per cent from falling coal, rock, etc., thirty-five or 19.1 per cent from pit cars and twenty-one or 11.5 per cent from various causes.

TABLE 82—Percentages of Fatal Casualties for Eight Years, 1901-1908, by Causes.

YEAR.	PERCENTAGES—														
	USE OF POWDER.					From powder, other named causes, and all causes.	OTHER CAUSES.				ALL CAUSES.				
	Blast explosions.	Blast premature.	Blown out charges.	Powder explosions.	Flying coal.		Gas explosions	Falling coal, rock, etc.	Pit cars.	Various.	Blast powder etc.	Gas explosions	Falling rock, coal, etc.	Pit cars.	Various.
1901.....	5.0	40.0	15.0	40.0	100.00	1.3	72.1	13.9	12.7	20.2	1.0	57.6	11.1	10.1	
1902.....	11.8	52.9	17.6	17.7	100.00	67.1	18.3	14.6	17.2	55.6	15.1	12.1			
1903.....	61.0	26.8	7.3	4.9	100.00	7.0	68.7	15.6	8.7	26.3	5.1	50.7	11.5	6.4	
1904.....	6.8	36.4	4.5	31.8	20.5	100.00	57.5	18.6	23.9	28.0	41.4	13.4	17.2		
1905.....	23.5	5.9	20.6	23.5	26.5	100.00	29.1	48.5	6.0	16.4	17.1	24.1	40.2	5.0	13.6
1906.....	18.2	4.5	9.1	22.7	45.5	100.00	1.5	63.2	13.5	21.8	14.2	1.3	54.2	11.6	18.7
1907.....	4.2	4.2	45.8	41.6	4.2	100.00	2.8	59.6	19.9	17.7	14.6	2.4	50.9	17.0	15.1
1908.....	31.0	13.8	17.2	27.6	10.4	100.00	4.6	59.1	22.7	13.6	15.9	3.8	49.7	19.1	11.5
Eight years.....	22.9	22.5	11.7	23.4	19.5	100.00	7.1	60.6	15.9	16.4	19.0	5.8	49.0	12.9	13.3

Table 83 shows in parallel columns the number of fatal and non-fatal casualties caused by the use of powder. These are stated in five distinct items with the total number in each, with percentages. These are followed by two other items, falling coal, rock, etc., and all other causes combined. The fatal and non-fatal casualties, resulting from the use of powder number sixty-five, of these twenty-nine or 44.6 per cent were fatal, and thirty-six or 55.4 per cent were non-fatal. The two classes of accidents occurring from falling coal, etc., number 493, of which ninety-one or 18.5 per cent were fatal and 402 or 81.5 per cent non-fatal.

From all other causes both classes number 439, of these sixty-three or 14.2 per cent were fatal, and 376 or 85.8 non-fatal. The two classes of casualties number 1,002 of which 183 or 18.3 per cent were fatal and 819 or 81.7 per cent were non-fatal, the whole number of the killed and injured during the year, from the use of powder in the mines is 6.5 per cent of all the casualties.

TABLE 83—*Fatal and Non-Fatal Accidents Caused Primarily by Explosions of Powder, with Percentages, also by Falling Coal, Rock, etc., and all other Causes, with Percentages, 1908.*

CAUSES.	CASUALTIES.		PERCENTAGES OF—		All casualties.	Percent-ages.
	Fatal.	Non-fatal.	Fatal.	Non-fatal.		
Blast explosions.....	9	8	31.0	22.2	17	26.2
Blasts—premature.....	4	3	13.8	8.3	7	10.8
Blown out charges.....	5	.....	17.2	.....	5	7.7
Powder explosions.....	8	11	27.6	30.6	19	29.2
Flying coal.....	3	14	10.4	38.9	17	26.1
Totals.....	29	36	100.0	100.0	65	100.0
Falling coal, rock, etc.....	91	402	59.1	51.3	493	52.6
All other causes.....	63	381	40.9	48.7	444	47.4
Totals.....	154	783	100.0	100.0	937	100.0
Grand totals.....	183	819	18.3	81.7	1,002	100.0

Table 84 is the record of fatal accidents for twenty-six years, showing for each year, the number of persons employed and tons mined, also the leading cause of the killed, falling coal, rock, etc., and all other causes combined, with percentages. The percentage of deaths caused by falling coal, rock, etc., is slightly less than last year.

TABLE 84—*Fatal Accidents in Coal Mines, Caused by Falls in Mines and from all Other Causes; the Total Number of Men and Tons, with Percentages for Twenty-six Years.*

YEARS.	Persons employed.	Total tons.	Total deaths.	CAUSES.		PERCENTAGE BY—	
				Falls.	Other causes.	Falls.	Other causes.
1883.....	23,939	12,123,456	134	40	94	19.9	70.1
1884.....	25,575	12,208,076	46	29	17	63.0	37.0
1885.....	25,946	11,834,459	39	20	19	51.3	48.7
1886.....	25,846	11,175,241	52	32	20	61.5	38.5
1887.....	26,804	12,423,066	41	28	13	68.3	31.7
1888.....	29,410	14,328,181	55	33	22	60.0	40.0
1889.....	30,076	14,017,298	42	26	16	61.9	38.1
1890.....	28,574	15,274,727	53	36	17	67.9	32.1
1891.....	32,951	15,660,098	60	33	27	55.0	45.0
1892.....	33,632	17,862,276	57	28	29	49.1	50.9
1893.....	35,390	19,949,564	69	48	21	69.6	30.4
1894.....	38,477	17,113,576	72	43	29	59.7	40.3
1895.....	37,057	17,735,864	75	38	37	50.7	49.3
1896.....	38,630	19,786,626	77	41	36	53.2	46.8
1897.....	33,788	20,072,758	69	46	23	66.7	33.3
1898.....	35,026	18,599,299	75	43	32	57.3	42.7
1899.....	36,991	23,434,445	84	51	33	60.7	39.3
1900.....	39,384	25,153,929	94	51	43	54.3	45.7
1901.....	44,143	26,635,319	99	57	42	57.6	42.4
1902.....	46,005	30,021,300	99	55	44	55.6	44.4
1903.....	49,814	34,955,400	156	76	80	48.7	51.3
1904.....	54,774	37,077,897	157	65	92	41.4	58.6
1905.....	59,230	37,183,374	199	80	119	40.2	59.8
1906.....	62,283	38,317,581	155	84	71	54.2	45.8
1907.....	66,714	47,798,621	165	84	81	50.9	49.1
1908.....	70,841	49,272,452	183	91	92	49.7	50.3
Totals.....	600,115,613	2,407	1,258	1,149	52.3	47.7	
Averages 26 years.....	39,606	23,077,513	92	48	44		

Table 85 shows the several occupations of the persons killed with the percentage in each, also their conjugal relationship. Of the whole number killed, ninety-seven or 53.0 per cent were miners, these with drivers, laborers and shotfirers, number 152 or 83.1 per cent of the total number. One shotfirer was killed by falling coal, the other thirteen were killed by the use of powder as shown in table No. 81. The married men left ninety widows and 223 children.

TABLE 85—*Occupation and Conjugal Relation of the Men Killed at the Mines for the Year 1908.*

Number.	OCCUPATION.	Total deaths.	Percentage	CONJUGAL RELATION.				
				Married.	Single.	Widows.	Children.	Dependants.
1	Cagers.....	3	1.63		3			
2	Car pincher.....	1	0.55		1			
3	Cartrimmer.....	1	0.55	1		1		1
4	Driver.....	29	15.90	7	22	7	13	19
5	Foreman.....	1	0.55	1		1	3	4
6	Gripper.....	1	0.55		1			
7	Laborers.....	12	6.55	7	5	7	8	15
8	Loaders.....	2	1.09	2		2	10	10
9	Machine helpers.....	4	2.19	2	2	2	5	7
10	Machine runners.....	5	2.73	2	3	2	3	5
11	Mine managers.....	1	0.55	1		1	2	3
12	Miners.....	97	52.95	57	40	54	139	176
13	Sinkers.....	4	2.19		4			
14	Shot firers.....	14	7.65	10	4	10	27	38
15	Spragger.....	1	0.55		1			
16	Timbermen.....	1	1.09	2		2	8	4
17	Trackmen.....	2	1.09	1	1	1	5	5
18	Trappers.....	2	1.09		2			
19	Weighmen.....	1	0.55		1			
	Total.....	183	100.00	93	90	90	223	287

Table 86 shows the number of persons killed in coal mines in twenty states and countries for a series of ten years 1898-1907.

This table is copied from the "Engineering and Mining Journal," New York, published December 19, 1908. This data is prepared by Frederick L. Huffman.

The total number killed in 1907 was 2,812 this is an increase over 1906 of 734 or thirty-five per cent. All of the states, excepting five show an increase in the number killed in 1907 over the previous year.

Table 87 presents the number killed to every 1,000 persons employed. The number for all the states is shown to be 4.17 and 3.33 for the decade.

TABLE 86—*Number of Persons Killed by Accidents in Coal Mines of the United States and Canada—1898-1907.*

	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	10 years.
Alabama.....	45	40	37	41	50	57	84	185	96	154	789
Colorado.....	24	41	29	55	73	40	89	59b	88	99	597
Illinois e.....	75	84	94	99	99	156	157	199	155	165	1,283
Indiana.....	22	16	18	24	24	55	34	47	31	53	324
Indian Territory.....	17	25	40	44	60	33	30	44	39	32	364
Iowa e.....	26	20	29	26	55	21	31	24	37	35	304
Kansas.....	17	16	22	26	27	36	16a	36	30	32	258
Kentucky.....	6	7	17	21	19	25	19	31	39	32	216
Maryland.....	4	5	7	12	11	13	12	13	7	d	84
Michigan.....		4a	10	6	6	8	7	8	6	7	62
Missouri.....	9	14	10	15	10	77	11	11	16c	8	121
New Mexico e.....	7	15	15	9	17	17	15	5	9	31	140
Ohio.....	52	57	68	72	81	114	118	131	127	153	973
Pennsylvania (anthr.).....	411	461	11	513	300	518	595	644	557	708	5,118
Pennsylvania (bit.).....	199	258	265	301	456	402	536	479	477	806	4,179
Tennessee.....	19	20	10	53	226	26	28	29	33	31	475
Utah.....	3		209	10	8	7	9	7	7	8	268
Washington.....	9	45	33	27	34	25	31	13	13c	36	266
West Virginia e.....	90	89	141	130	120	159	140	194	268	356	1,691
British Columbia.....	7	11	17	102	139	42	37	12	15	31	413
Nova Scotia.....	7	19	21	14	19	31	19	20	28	35	213
Total deaths.....	1,049	1,247	1,503	1,600	1,834	1,802	2,018	2,191	2,078	2,812	18,138

a Six months only.

b Underground.

c Nine months only.

d Returns not available.

e For year ended June 30, 1907.

TABLE 87—*Fatal Accidents in Coal Mining in the United States and Canada—1898-1907.*

	NUMBER OF PERSONS KILLED PER 1,000 EMPLOYED.										10 years.
	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	
Alabama.....	4.55	3.10	2.59	2.90	2.79	2.94	4.71	10.74	5.23	7.61	4.87
Colorado.....	3.23	5.60	3.99	6.88	8.11	3.89	8.26	b4.96	7.32	7.67	6.16
Illinois c.....	2.14	2.27	2.39	2.24	2.15	3.13	2.87	3.36	2.49	2.47	2.60
Indiana.....	2.63	2.07	1.82	1.98	1.83	3.64	2.70	2.53	1.61	2.79	2.30
Indian Ter.....	4.82	6.24	7.59	8.35	9.62	5.42	3.63	5.76	4.81	4.15	5.86
Iowa e.....	3.38	2.49	2.22	1.97	4.23	1.59	1.90	1.36	2.20	2.05	2.24
Kansas.....	1.95	1.57	2.06	2.28	2.70	3.61	a3.09	2.97	2.95	2.67	2.54
Kentucky.....	0.67	0.83	2.06	2.14	1.58	1.85	1.37	2.06	2.33	1.82	1.74
Maryland.....	0.89	1.08	1.32	2.23	1.99	2.29	2.11	2.09	1.13	d	1.71
Michigan.....		a4.88	6.11	3.26	4.24	2.54	2.58	2.93	2.83	2.43	3.06
Missouri.....	1.22	1.80	1.31	1.63	1.09	1.85	1.47	1.06	c1.65	0.73	1.41
New Mexico e.....	3.71	7.98	7.44	4.81	10.11	7.26	7.61	2.35	3.82	10.13	6.61
Ohio.....	1.77	2.03	2.14	2.15	2.16	2.75	2.57	2.96	2.73	3.20	2.52
Pennsylvania (anthr.).....	2.89	3.28	2.86	3.47	2.03	3.41	3.69	3.83	3.35	4.19	3.33
Pennsylvania (bit).....	2.27	2.82	2.43	2.56	3.37	2.65	3.45	2.90	2.76	4.40	3.05
Tennessee.....	2.43	2.60	1.15	6.10	25.80	2.69	2.81	2.38	3.07	2.79	4.98
Utah.....	4.38		138.96	5.81	3.24	3.21	4.06	5.14	3.69	3.07	15.04
Washington.....	2.70	13.60	7.79	5.59	7.83	5.13	6.69	2.73	e2.52	6.04	5.85
West Virginia.....	3.86	3.55	5.03	4.01	3.78	4.03	3.08	4.24	4.98	6.92	4.49
British Columbia.....	2.34	2.91	4.22	25.67	34.65	9.85	8.31	2.72	3.12	5.12	9.66
Nova Scotia.....	1.56	3.39	3.17	1.83	2.36	2.79	1.63	1.86	2.31	2.89	2.36
Totals.....	2.59	2.98	3.24	3.24	3.49	3.14	3.37	3.44	3.16	4.17	3.33

a Six months only.

b Underground.

c Nine months only.

d Returns not available.

e For year ended June 30, 1907.

## NON-FATAL ACCIDENTS.

Table 88 shows, by districts, the record of the 819 non-fatal casualties and their relative bearing as to the number employed and the tons mined.

This class of casualties include only those who lost thirty or more days time. The number exceeds that of last year 183 or 27.2 per cent. The number of tons mined to each man injured ranges from 23,274 in the second district to 105,192 in the fourth and 60,162 tons for the State.

TABLE 88—*Non-Fatal Accidents, by Districts—1908.*

* DISTRICTS.	Number of men injured.	INJURED.		NUMBER OF EMPLOYES.			Total tons of coal mined.	Number of employes to one man injured.	Ratio per 1,000	Number of tons mined to each man injured.
		Under ground.	Above ground.	Under ground.	Above ground.	Total.				
First.....	88	87	1	6,187	613	6,800	2,980,228	77	12.9	33,866
Second.....	102	96	6	5,342	460	5,802	2,373,935	57	17.6	23,274
Third.....	45	45	.....	3,766	359	4,125	2,370,764	92	10.9	52,684
Fourth.....	24	24	.....	3,975	331	4,306	2,524,602	1.79	5.6	105,192
Fifth.....	70	69	1	4,099	258	4,357	2,902,369	62	16.1	41,462
Sixth.....	57	55	2	7,336	708	8,044	5,923,197	141	7.1	103,916
Seventh.....	111	107	4	8,243	811	9,054	7,237,368	82	12.3	65,202
Eighth.....	114	112	2	8,439	923	9,362	8,101,263	82	12.2	71,064
Ninth.....	93	90	3	7,102	826	7,928	6,293,601	85	11.7	67,673
Tenth.....	115	114	1	9,935	1,128	11,063	8,565,125	96	10.4	74,479
The State.....	819	799	20	64,424	6,417	70,841	49,272,452	86	11.6	60,162

Table 89 shows the record of non-fatal accidents for twenty-six years. The number injured this year exceeds that of any previous year, and consequently lowers the number of employes and tons to one man injured, as compared with the showing for the past seven years.

TABLE 89—*Non-Fatal Accidents for Twenty-six Years.*

Year.	Number of men injured	Total number of employes.	Total number of tons of coal mined.	Number of employes to one man injured.	Rate per 1,000.	Number of tons of coal produced to one man injured.
1883.....	231	23,939	12,123,456	104	9.6	52,482
1884.....	197	25,575	12,208,075	130	7.7	61,970
1885.....	176	25,946	11,834,459	147	6.8	67,241
1886.....	171	25,846	11,175,241	151	6.6	66,126
1887.....	180	26,804	12,423,066	149	6.7	69,017
1888.....	179	29,410	14,328,181	164	6.1	80,046
1889.....	201	30,076	14,017,298	150	6.7	69,738
1890.....	294	28,574	15,274,727	97	10.3	51,955
1891.....	367	32,951	15,660,698	90	11.1	42,672
1892.....	370	33,632	17,862,276	91	11.0	48,276
1893.....	403	35,390	19,949,564	88	11.4	49,503
1894.....	521	38,477	17,113,576	74	13.5	32,848
1895.....	605	38,630	17,735,864	64	15.7	29,315
1896.....	672	37,057	19,786,626	55	18.1	29,444
1897.....	518	33,788	20,072,758	65	15.3	38,751
1898.....	438	35,026	18,599,299	80	12.5	42,464
1899.....	597	36,991	23,434,445	62	16.1	39,254
1900.....	611	39,384	25,153,939	65	15.5	41,168
1901.....	422	44,143	26,635,319	104.5	9.6	63,117
1902.....	406	46,005	30,021,300	127	8.8	73,944
1903.....	410	49,814	34,955,400	121	8.2	85,257
1904.....	507	54,774	37,077,897	108	9.3	73,132
1905.....	535	59,230	37,183,374	111	9.0	69,502
1906.....	480	62,283	38,317,581	130	7.7	79,828
1907.....	636	66,714	47,798,621	105	9.5	75,155
1908.....	819	70,841	49,272,452	86	11.6	60,162
Average—26 years....	421	39,666	23,077,513	94.2	10.6	54,816

Table 90 gives the occupations of the injured at the time the accidents occurred. There are thirty-one occupations represented in the table, five of these; drivers, laborers, loaders, miners and timbermen constitute 84.1 per cent of the total number injured. Miners alone compose fifty-one per cent of the total number.



TABLE 90—*Non-Fatal Accidents, by Occupations with Totals and Percentages, by Districts.*

OCCUPATION.	DISTRICTS.										Total.	Per- cent- ages.	
	1st	2d	3d	4th	5th	6th	7th	8th	9th	10th			
1 Bellman.....						1						1	0.12
2 Blacksmiths.....									1			1	0.12
3 Cagers.....		1	1			2	3	5	1	2		15	1.83
4 Carcouplers.....										1		1	0.12
5 Carpenters.....					1				1			2	0.24
6 Carpliers.....								3				3	0.37
7 Carpushers.....							3					3	0.37
8 Cartrimmers.....						1		1		1		3	0.37
9 Drivers.....	5	16	8	7	13	15	26	32	18	39	179	21.86	
10 Engineers.....							1	1		1		3	0.37
11 Firemen.....							1					1	0.12
12 Foremen.....						1	1		1			3	0.37
13 Gripper.....			1									1	0.12
14 Laborers.....	1	9	3	1	11		3	5	3	2	38	4.64	
15 Loaders.....						2	11	9	1	2	25	3.05	
16 Machinist.....										1		1	0.12
17 Machine helpers.....						1		1	2	2	6	0.73	
18 Machine runners.....						1	6	4		6	17	2.08	
19 Mine examiner.....						1						1	0.12
20 Mine managers.....					1	1	2					4	0.49
21 Miners.....	74	70	30	12	40	19	45	43	40	48	421	51.04	
22 Motormen.....					1			2		1		4	0.49
23 Oilers.....							1		1			2	0.24
24 Shot firers.....				2	1	3		2	3	2	13	1.59	
25 Slate picker.....									1			1	0.12
26 Spraggers.....		3			1	2	1			2		9	1.10
27 Timbermen.....	4	1	2	1	1	2	2	4	8	1	26	3.18	
28 Trackmen.....	4	1		1		1	1		1	2	11	1.34	
29 Trappers.....		1				3	2	2	3	1	12	1.47	
30 Trip riders.....						1	2		7	1	11	1.34	
31 Weighman.....									1			1	0.12
Totals.....	88	102	45	24	70	57	111	114	93	115	819	.....	
Percentages.....	10.71	12.46	5.49	2.94	8.55	6.96	13.56	13.93	11.35	14.05	.....	100.0	

## CONJUGAL RELATIONSHIP AND TIME LOST.

Table 91 shows the conjugal relationship of the injured, also the time lost by those who had recovered at the date of this report. The number recovered was 739 or ninety per cent of the whole number, and these lost an average of 56.1 days.

TABLE 91—*Non-Fatal Accidents, Conjugal Relations of the Injured, Time Lost, by Districts.*

Districts.	Total injured.	Married.	Single.	Children.	Dependents.	Number recovered and losing time.	Total days lost.	Average days lost.
First.....	88	52	36	152	200	75	5,234	69.5
Second.....	102	56	46	115	171	87	4,880	56.1
Third.....	45	26	19	55	80	44	2,750	62.5
Fourth.....	24	14	10	41	55	23	1,452	63.1
Fifth.....	70	44	26	81	122	65	3,286	50.6
Sixth.....	57	32	25	47	74	53	2,603	49.1
Seventh.....	111	51	60	102	141	106	6,027	56.9
Eighth.....	114	66	48	151	217	97	4,519	46.6
Ninth.....	93	46	47	80	115	81	5,135	63.4
Tenth.....	115	56	59	88	144	108	5,570	51.6
The State.....	819	443	376	912	1,319	739	41,456	56.1

CAUSES OF NON-FATAL ACCIDENTS.

Table 92 shows, by districts, a list of forty-two causes resulting in the injuries sustained. Only one man was injured in each of seventeen causes. Falling coal, rock and roof, etc., in the mines were the causes of forty-nine per cent of all the injuries, while pit cars caused twenty-six per cent.

TABLE 92—*Non-Fatal Accidents by Causes for 1908, by Districts, with Totals and Percentages.*

CLASSIFICATION OF CAUSES.	DISTRICTS.										The State.	Per-cent-ages.	
	1st	2d	3d	4th	5th	6th	7th	8th	9th	10th			
1 Blast explosions.....					1	2	1				3	7	0.85
2 Box and door.....											1	1	0.12
3 Burning fuse.....									1			1	0.12
4 Bursting steam pipe.....								1				1	0.12
5 Cages.....	10	1					1	1	2	7		22	2.69
6 Catch, safety.....									1			1	0.12
7 Chain and box.....								1				1	0.12
8 Coal falling, on surface.....			2									2	0.24
9 Coal flying from pick, etc.....	1	2				1						4	0.49
10 Crank shaft and timbers.....											1	1	0.12
11 Drill press.....					1							1	0.24
12 Dump hook.....						1						1	0.12
13 Falling articles, various.....	1		1		2		3	3	4	2		16	1.96
14 Falling coal in mines.....	20	26	18	5	4	11	41	17	11	12		165	20.16
15 Falling from car, etc.....				1	1	2		3			2	9	1.10
16 Falling in hole, etc.....						1	2	1				4	0.49
17 Falling, rock, roof, etc.....	42	40	11	4	40	6	16	33	17	28		237	28.94
18 Flying coal from blasts.....				4		1		6	2	1		14	1.71
19 Gas explosions.....	1			1	3		3	1	22	4		35	4.28
20 Lifting weight.....		1					1		1			3	0.37
21 Machines.....						1	4	3			6	14	1.71
22 Motors.....						1			5	2		8	0.98
23 Mule, injured by.....			1			1	2	2	4	3		13	1.59
24 Mule, kicked by.....	1				1			4	3	2		11	1.35
25 Nail, stepped on.....	1											1	0.12
26 Pit cars.....	10	26	10	9	17	22	31	35	15	34		209	25.52
27 Powder explosion.....			2			4	2	1	1	1		11	1.35
28 Premature blast.....			1			1						2	0.24
29 Railroad cars.....	1								1			3	0.37
30 Reel.....				1								1	0.12

Table 92—Concluded.

CLASSIFICATION OF CAUSES.	DISTRICTS.										The State.	Per-cent-ages.	
	1st	2d	3d	4th	5th	6th	7th	8th	9th	10th			
31 Roller.....							1					1	0.12
32 Shot blowing through rib.....									1			1	0.12
33 Switches.....							2					2	0.24
34 Tail chain.....											2	2	0.24
35 Transfer, caught by.....		1										1	0.12
36 Trapdoor.....									1			1	0.12
37 Trolley wire.....									1			1	0.12
38 Throwing slate.....						1						1	0.12
39 Water box and roof.....											1	1	0.12
40 Wheel and rope.....			1				1		1			3	0.37
41 Windlass handle.....			1					1				2	0.24
42 Wire, ran against.....											1	1	0.12
Not stated.....			1			1						2	0.24
Totals.....	88	102	45	24	70	57	111	114	93	115		819	100.00
Percentages.....	10.74	12.45	5.49	2.93	8.55	6.96	13.55	13.92	11.36	14.05		100.00	.....

Table 93 presents the non-fatal casualties, set forth in parallel columns, as resulting from four distinct causes, and a column headed various, which includes all other causes. The first showing is by districts, followed by the totals for the past eight years. This table is identical in formation to table 81 for fatal casualties.

TABLE 93—*Non-Fatal Accidents Caused Primarily by Explosions of Powder, Gas Explosions, Falling Coal, Rock, etc., Pit Cars and Various Causes, by Districts, for the Year 1908 and for Eight Years.*

DISTRICTS. AND YEARS.	USE OF POWDER.					Total from use of powder.	OTHER CAUSES.				TOTALS.	
	Blast explo- sions.	Blast, prema- ture.	Blown out charge.	Powder ex- plosions.	Flying coal.		Gas explosion.	Falling coal, rock, etc.	Pit cars.	Various.	From other causes.	From all causes.
First.....							1	62	10	15	88	88
Second.....		1		2		3		66	26	7	99	102
Third.....								29	10	6	45	45
Fourth.....					4	4	1	9	9	1	20	24
Fifth.....	1					1	3	44	17	5	69	70
Sixth.....	2	1		4	1	8		17	22	10	49	57
Seventh.....	1			2		3	3	57	31	17	108	111
Eighth.....				1	6	7	1	50	35	21	107	114
Ninth.....	1	1		1	2	5	22	28	15	23	88	93
Tenth.....	3			1	1	5	4	40	34	32	110	115
1908.....	8	3		11	14	36	35	402	209	137	783	819
1907.....	8	4	7	16	15	50	9	327	171	79	586	636
1906.....	7	1	6	9	9	32	6	253	110	79	448	480
1905.....	13	3	6	15	13	50	3	269	129	84	485	535
1904.....	6	5	2	29	12	54	6	264	123	60	453	507
1903.....	13	3	12	7	12	47	5	164	128	66	363	410
1902.....	15	1	1	6	5	28	2	198	125	53	378	406
1901.....		11	2	5	9	27	3	233	113	46	395	422
Eight years....	70	31	36	98	92	327	67	2,112	1,108	601	3,888	4,215

Table 94 presents the whole numbers for eight years, shown in table 93 reduced to percentages. The percentage of non-fatal casualties from the use of powder is less this year than for either of the past seven years.

TABLE 94—Percentages of Non-Fatal Accidents for Eight Years, 1901-1908, by Causes.

YEARS.	PERCENTAGES—														
	USE OF POWDER					From powder, other named causes and all causes.	OTHER CAUSES.				ALL CAUSES.				
	Blast explosions.	Blasts premature.	Blown out charges.	Powder explosions.	Flying coal.		Gas explosions	Falling coal, rock, etc.	Pit cars.	Various.	Blasts, powder, etc.	Gas explosions	Falling coal, rock, etc.	Pit cars.	Various.
1908.....	22.2	8.3	.....	30.6	38.9	100.00	4.5	51.4	26.7	17.4	4.4	4.3	49.1	25.5	16.7
1907.....	16.0	8.0	14.0	32.0	30.0	100.00	1.5	55.8	29.2	13.5	7.9	1.4	51.4	26.9	12.4
1906.....	21.9	3.1	18.8	28.1	28.1	100.00	1.3	5.65	2.46	1.76	6.7	1.2	5.27	2.24	17.0
1905.....	26.0	6.0	12.0	30.0	26.0	100.00	6.2	55.5	26.6	11.7	9.3	0.6	50.3	24.2	15.7
1904.....	11.1	9.3	3.7	53.7	22.2	100.00	1.3	58.3	27.2	13.2	10.6	1.2	52.1	24.3	11.8
1903.....	27.7	6.3	25.5	14.9	25.5	100.00	1.4	45.2	35.3	18.1	11.5	1.2	40.0	31.2	16.1
1902.....	53.6	3.6	3.6	21.4	17.8	100.00	0.6	52.4	33.0	14.0	6.9	0.5	48.8	30.7	13.1
1901.....	.....	40.7	7.4	18.5	33.4	100.00	0.8	59.0	28.7	11.5	6.4	0.8	53.1	26.8	10.9
Eight years.....	21.4	9.5	11.0	30.0	28.1	100.00	0.7	55.3	28.5	15.5	7.8	1.6	50.1	26.3	14.2

Table 95 is a showing of non-fatal casualties for a series of twenty-six years. The percentages from falling coal, etc., and from all other causes are shown for each year in the two last columns. This year the proportion of injuries from falls in the mines is less than for the four previous years and excepting the years 1902-3, less than for any of the previous years.

TABLE 95—*Non-Fatal Accidents from Falling Roof and Sides, and Other Causes, with Percentages Caused by Falling Roof—26 Years.*

YEARS.	NON-FATAL ACCIDENTS.			PERCENTAGES—	
	Total.	Falling roof and sides.	All other causes.	Caused by falling roof or sides.	All other causes.
1883.....	231	130	101	56.28	43.72
1884.....	197	135	62	68.53	31.47
1885.....	176	118	58	67.00	33.00
1886.....	171	109	62	63.74	36.26
1887.....	180	124	56	68.88	31.12
1888.....	179	112	67	62.58	37.42
1889.....	201	129	72	64.17	35.83
1890.....	294	196	98	66.66	33.34
1891.....	367	227	140	61.85	38.15
1892.....	370	234	136	63.25	36.75
1893.....	403	254	149	63.03	36.97
1894.....	521	294	227	56.43	43.57
1895.....	605	338	267	55.87	44.13
1896.....	672	373	299	55.51	44.49
1897.....	518	310	208	59.85	40.15
1898.....	438	252	186	60.87	39.13
1899.....	597	335	262	56.12	43.88
1900.....	611	323	288	52.86	47.94
1901.....	422	233	189	55.21	44.79
1902.....	406	198	208	48.77	51.23
1903.....	410	190	220	46.34	53.66
1904.....	507	264	243	52.07	47.93
1905.....	535	271	264	50.66	49.34
1906.....	480	253	227	52.71	47.29
1907.....	636	327	309	51.42	48.58
1908.....	819	402	417	49.08	50.92
Totals.....	10,946	6,131	4,815	56.01	43.99

Table 96 is the record of the killed and injured in the coal mines of the State for a series of twenty-six years, to which is added in parallel columns the percentages for each year of each class of casualties resulting from falling coal, etc. in the mines, also the percentages of both classes.

This year the proportion of the killed and injured from these causes is almost identical.

TABLE 96—*Total Number Killed and Injured, with Percentages of all Accidents Caused by Falling Roof or Sides for Twenty-six Years.*

YEARS.	NUMBER.			PER CENT BY FALLING ROOF AND SIDES.		
	Killed.	Injured.	Total.	Killed.	Injured.	Total.
1883.....	134	231	365	30	56.28	47.7
1884.....	46	197	243	56.5	68.53	66.25
1885.....	39	176	215	51.3	67	64.18
1886.....	52	171	223	61.5	63.74	63.23
1887.....	41	180	221	68.3	68.88	68.77
1888.....	55	179	234	60	62.58	61.97
1889.....	42	201	243	61.9	64.17	63.78
1890.....	53	294	347	67.9	66.66	66.86
1891.....	60	367	427	55	61.85	60.88
1892.....	57	370	427	49.1	63.25	61.36
1893.....	69	403	472	69.6	63.03	63.98
1894.....	72	521	593	58.3	56.43	56.82
1895.....	75	605	680	50.7	55.87	55.59
1896.....	77	672	749	53.3	55.51	55.27
1897.....	69	518	587	66.7	59.85	60.65
1898.....	75	438	513	57.33	60.87	60.34
1899.....	84	597	681	60.71	56.12	56.68
1900.....	94	611	705	54.3	52.86	53.1
1901.....	99	422	521	56.43	55.21	55.45
1902.....	99	406	505	55.55	48.77	50.1
1903.....	156	410	566	50.64	46.24	47.53
1904.....	157	507	664	49.68	52.07	51.51
1905.....	199	535	734	40.20	50.64	47.82
1906.....	155	480	635	54.2	52.7	53.07
1907.....	165	436	601	50.91	51.42	51.31
1908.....	183	819	1,002	49.7	49.08	49.6
26 years.....	2,407	10,946	13,353	52.3	56.03	55.34



Table 97 is a summary shown by percentages of the increase or decrease in the number of men employed, tons mined, men killed and men injured.

TABLE 97—Percentages of Increase and Decrease from Year to Year of Men Employed, Tons Produced, Men Killed and Men Injured for a Series of Twenty-six Years.

YEAR.	MEN EMPLOYED.		TONS PRODUCED.		KILLED.		INJURED.	
	Increase.	Decrease.	Increase.	Decrease.	Increase.	Decrease.	Increase.	Decrease.
1883 to 1884.....	6.83		0.7			65.67		14.72
1885.....		0.5		3.06		15.22		10.66
1886.....	1.57			5.57	33.33			2.84
1887.....	3.71		11.17			21.15	5.26	
1888.....	9.72		15.34		34.15			0.56
1889.....	2.26			2.17		23.64	12.29	
1890.....		5.00	8.97		26.2		46.27	
1891.....	15.31		2.53		13.2		24.83	
1892.....	2.07		8.95			5.00	0.82	
1893.....	5.23		16.91		21.05		8.92	
1894.....		7.78		14.22	4.35		29.28	
1895.....		2.06	3.64		4.17		16.12	
1896.....	3.42		11.56		2.67		11.07	
1897.....	2.22		1.45			10.4		8.04
1898.....	3.66			7.34	8.7			15.44
1899.....	5.61		26.90		12.00		36.3	
1900.....	6.47		7.34		1.19		2.35	
1901.....	12.1		5.88		7.4			30.9
1902.....	4.21		12.71		7.4			3.8
1903.....	8.28		16.44		57.58		0.99	
1904.....	1.00		6.07		0.64		23.66	
1905.....	8.14		0.28		26.75		5.52	
1906.....	5.15		3.05			22.11		10.28
1907.....	7.11		21.74		6.45		32.50	
1908.....	6.19		3.08		10.91		28.77	
26 years.....	195.92		306.42		36.57		254.55	

## VENTILATING FANS AT THE COAL MINES OF THE STATE.

Table 98 presents, by districts, and in detail, the ventilating fans in use in 394 of the 407 shipping mines of the State. The table gives the names of the operators, the location of the mines, the number of men underground at each mine, the diameter, in feet, of each fan, the capacity of 1,000 cubic feet of air per minute of each fan and the name of the fan in use.

TABLE 98—*Ventilating Fans at Illinois Coal Mines—1908.*

## FIRST DISTRICT.

Number.	NAME OF OPERATOR.	Postoffice address and location of mine.	Number of employes under ground.	FAN.			
				Diameter—feet and inches.	Width—feet and inches.	Capacity—cubic feet per minute, 1,000.	Name.
1	Chicago, Wilm. & Ver. Coal Co.....	S. Wilmington.	401	15 6	80	Crawford & McCrimmon..	
2	Braceville Coal Co.....	Braceville.	411	16 4	60	Ottumwa.....	
3	Chicago., Wilm. & Ver. Cola Co.....	S. Wilmington.	401	18 6	100	Crawford & McCrimmon..	
4	Big Four Wilmington Coal Co.....	Carbon Hill.....	318	16 5	70	..do.....	
5	Big Four Wilmington Coal Co.....	..do.....	252	12 5	60	..do.....	
6	Wilmington Star Mining Co.....	Coal City.....	213	11 5	50	Guibal.....	
7	Big Four Wilmington Coal Co.....	Carbon Hill.....	187	12 3. 10	53	Crawford & McCrimmon..	
8	Wilmington Star Mining Co.....	Coal City.....	101	20 7	150	Guibal.....	
9	Wilmington Star Mining Co.....	..do.....	33	10 5	50	..do.....	
10	Clark City Wilmington Coal Co.....	Clark City.....	43	6 16	100	Crawford & McCrimmon..	
11	Oglesby Coal Co. No. 1.....	Oglesby.....	354	11 4	80	Capel.....	
12	La Salle County Carbon C. Co. No. 2.....	La Salle.....	373	14 5	95	Vulcan.....	
13	Chicago., Wilm. & Ver. Coal Co. No. 2.....	Streator.....	312	10 4	75	Cyclone.....	
14	La Salle C. C. C. Union.....	La Salle.....	284	14 5	80	Home made.....	
15	Acme Coal Co.....	Streator.....	287	8 3. 8	70	Stuyvesant.....	
16	La Salle C. C. C. Co.....	La Salle.....	245	16 6	75	Vulcan.....	
17	La Salle C. C. C. Co.....	..do.....	204	16 5	75	..do.....	
18	La Salle C. C. C. Co.....	..do.....	216	16 6	150	..do.....	
19	James Cahill Estate.....	Peru.....	146	15 5	60	Crawford & McCrimmon..	
20	Star Coal Co.....	Kangley.....	133	8 4. 6	40	Cyclone.....	
21	Illinois Zinc Co.....	Peru.....	140	14 4. 6	60	Crawford & McCrimmon..	
22	Mrs. E. Hakes.....	Rutland.....	117	12 4	50	..do.....	
23	Star Coal Co.....	Kangley.....	97	10 5	60	Cyclone.....	
24	Howe Coal Co.....	Streator.....	53	8 3	25	Cole.....	
25	Chicago., Wilm. & Vermillion Coal Co.....	..do.....	85	5 4	55	Cyclone.....	
26	Mattheson & Hegeler Zink Co.....	La Salle.....	95	10 2	70	Home made.....	
27	Wilmington Coal, Mining & Mfg. Co.....	Torino.....	170	15 4. 6	100	Crawford & McCrimmon..	
28	Murphy Keenan & Co.....	Braidwood.....	138	8 3	25	Cole.....	
29	Joliet, Wilmington Coal Co.....	..do.....	106	8 2. 8	25	Erie.....	

Table 98—Continued.

SECOND DISTRICT.

Number.	NAME OF OPERATOR.	Postoffice address and location of mine	FAN.			Name.
			Number of employes under ground.	Diameter—feet and inches.	Width—feet and inches.	
1	St. Paul Coal Co.	Cherry	385	16	6.6	200 Capell
2	Spring Valley Coal Co.	Spring Valley	614	12.6	5	100 .do
3	Illinois 3d Vein Coal Co.	Ladd	538	12.6	5	100 .do
4	Spring Valley Coal Co.	Spring Valley	453	13.6	5	150 .do
5	Spring Valley Coal Co.	.do	487	16	4	75 Home made
6	Spring Valley Coal Co.	.do	586	12.6	5	125 Capell
7	Spring Valley Coal Co.	.do	533	12.6	5	125 .do
8	Marquette 3d Vein Coal Co.	Marquette	449	16	4	40 Home made
9	Kewanee Coal Mining Co.	Kewanee	112	12	3.2	25 Duncan
10	Atlas Coal Co.	Galva	22	12	3	15 Home made
11	Kewanee Coal Mining Co.	Kewanee	20	8	2.6	20 Brazil
12	Herdien Coal Co.	Galva	19	8	3	10 Home made
13	Peoples Fuel Co.	Kewanee	11	7	3	10 .do
14	Fairlie Bros. & Co.	Cambridge	10	6	2	6 .do
15	Fred Henry	Kewanee	9	6	2	10 .do
16	Thos. H. Milan	Soperville	13	8	3	10 .do
17	Galva Coal Co.	Wataga	13	6	3	10 .do
18	Rodell & Mitchell	.do	8	6	3	10 .do
19	Bowman Bros.	Yates City	7	10	3	20 Brazil
20	Coal Valley Mining Co.	Sherrard	259	18	4	60 Home made
21	Empire Coal Co.	Gilchrist	225	14	4	80 Frost
22	Coal Valley Mining Co.	Cable	42	15	4	20 Home made
23	Volunteer Coal Co.	Coal Valley	20	6	2.2	20 Buffalo
24	J. J. Pryce & Son	.do	32	5	2	10 Home made
25	Stoddard & Summersort	.do	12	4	1.8	8 .do
26	Stoehr & Schadt	.do	13	4	1	5 .do
27	Sackville Bros.	.do	6	6	2	15 .do

THIRD DISTRICT.

1	Cardiff Coal Co.	Cardiff	300	16	4	100 Guibal
2	Fairbury West End Coal Co.	Fairbury	35	16	4	30 .do
3	Devlin Coal Co.	Toluca	585	20	6	100 .do
4	Fulton County Coal Co.	Sparland	41	8	3.6	10 Brazil
5	Clarke Coal & Coke Co.	Peoria	182	12	4	60 .do
6	Clark Coal & Coke Co.	.do	177	15	5	80 .do
7	Wolschlag Coöperative Coal Co.	.do	72	12	4	25 Guibal
8	Shall Bros.	.do	103	10	3.4	20 Brazil
9	Newsam Bros.	.do	97	12	3.4	50 Crawford & Me Crimmon
10	Newsam Bros.	.do	36	10	3.4	25 Guibal
11	Collier Coöperative Coal Co.	Bartonville	35	10	4	20 Brazil
12	George Vicary	Peoria	50	10	3.4	15 Guibal
13	Howard & Taylor	Edwards	68	12	3	15 .do
14	I. Wantling & Co.	Peoria	36	10	2	10 .do
15	Newsam Bros.	.do	30	10	4	40 Crawford & Me Crimmon
16	W. E. Foley	Napleton	58	6	2	6 Guibal
17	Third Vein Coal Co.	.do	42	12	4	20 .do
18	St. Paul Coal Co.	Granville	454	16	6	100 Clifford
19	B. F. Berry Coal Co.	.do	191	6	3.6	60 Murphy
20	Roanoke Coal Co.	Pekin	220	15	4	75 Cole
21	Mionk Coal Co.	Mionk	173	10	6	50 G. F. Economiser

Table 98—Continued.

## FOURTH DISTRICT.

Number.	NAME OF OPERATOR.	Postoffice address and location of mine.	Number of employes under ground.	FAN.			
				Diameter—feet and inches.	Width—feet and inches.	Capacity—cubic feet per minute, 1,000.	Name.
1	Big Creek Coal Co.	St. David	316	22	6	125	Duncan
2	Maplewood Colliery Co.	Farmington	295	10	5	150	Sullivan
3	Big Creek Coal Co.	Dunfermline	245	18	6	100	Ottumwa
4	Monmouth Coal Co.	Brereton	250	20	7	150	Crawford & McCrimmon
5	Maplewood Coal Co.	Farmington	205	12	5	125	Robinson
6	Canton Coal Co.	Canton	206	10	4	40	Crawford & McCrimmon
7	Big Creek Coal Co.	Cuba	174	12	3	100	Atlas
8	Norris Coal Mining Co.	Norris	175	14	4.5	75	Home made
9	Star Coal Co.	Cuba	145	8	3	30	Brazil
10	Simmons Coal Co.	Canton	100	10	4	50	do
11	Eagle Mining Co.	Canton	110	14	4.5	60	Eagle
12	Newsam Bros.	Farmington	85	12	4.9	55	Crawford & McCrimmon
13	Applegate & Lewis Coal Co.	Cuba	139	10	3.5	40	Ottumwa
14	East Cuba Coal Mining Co.	do	98	12	3	40	Frost
15	Astoria & Woodland Coal Co.	Astoria	51	10	3	25	Brazil
16	Spoon River Coal Co.	Ellisville	45	10	3.6	40	Eagle
17	Farmington Coal Co.	Farmington	40	12	4	30	Brazil
18	Star Coal Co.	Cuba	38	8	3	30	do
19	Spoon River Coal Co.	Mayton	45	8	3	30	do
20	W. D. Myers	St. David	47	10	4	30	do
21	Wm. Scripps Coal Co.	do	42	10	4	30	do
22	Galesburg Union Supply Co.	Parville	10	5	1.5	15	Crawford & McCrimmon
23	McLean County Coal Co.	Bloomington	211	16	8	60	Home made
24	Colfax Cooperative Co.	Colfax	50	10	4	60	Brazil
25	Tazewell Coal Co.	Pekin	114	12	4	50	Cole
26	Phoenix Coal Co.	Peoria	66	10	4	30	Crawford & McCrimmon
27	Grant Bros. Coal & Ice Co.	Pekin	40	12	4	50	do
28	Eastern Coal Co.	Peoria	39	10	4	30	do
29	Champion Coal Co.	Pekin	22	10	4	30	do
30	Lake Erie Coal & Mining Co.	Peoria	26	8	3	25	do
31	A. B. Cumming	E. Peoria	31	8	6	20	Brazil
32	G. Gibelhausen & Son	do	14	6	2	15	do
33	Marteness & Fisher	do	14	8	3	do	do

## FIFTH DISTRICT.

1	Manufacturers and Consumers	Decatur	149	16	3.6	80	Crawford & McCrimmon
2	Decatur Coal Co., No. 2	do	122	10	3	75	Stevens
3	Decatur Coal Co., No. 1	do	87	10	4	30	Crawford & McCrimmon
4	Decatur Coal Co. (Niantic)	Niantic	51	10	3	75	Stevens
5	Kelly Coal Co.	Westville	621	10	3	96	Hohns Bros. Double
6	Dering Coal Co.	do	330	20	7	150	Crawford & McCrimmon
7	Little Vermillion Coal Co.	Georgetown	391	20	7	100	do
8	Dering Coal Co.	Westville	306	20	7	150	do
9	Dering Coal Co.	do	216	20	7	150	do
10	Kelly Coal Co.	do	306	20	6	100	do
11	Kelly Coal Co.	do	290	16	4	70	do
12	Kelly Coal Co.	Himrod	498	20	6	100	do
13	E. S. Gray Coal Co.	Oakwood	123	8	3	50	do
14	Electric Coal Co.	Hillery	114	15	3	75	do
15	Tilton Coal Co.	Vandercook	60	10	2.6	50	do
16	Oakwood Coal Co.	Oakwood	52	8	3	30	do
17	Frank Davis	Muncie	23	8	3	30	do
18	Danville Colliery Co.	Catlin	75	22	7.6	150	do
19	Sharon Coal & Brick Co.	Georgetown	17	8	3.6	40	do
20	W. F. Crawford & Son	Collison	11	8	3	40	Robert Holmes

Table 98—Continued.

SIXTH DISTRICT.

Number.	NAME OF OPERATOR.	Postoffice address and location of mine.	Number of employe <sup>s</sup> underground.	FAN.			
				Diameter—feet	Width—feet.	Capacity—cubic feet per minute 1,000	Name.
1	Latham Coal Co.	Lincoln	350 12.	6.	75	Robinson	
2	Citizens Coal Mining Co.	do.	204 15.	4.6	140	Capell	
3	Lincoln Mining Co.	do.	119 14.	4.	30	Brazil	
4	Middletown Coal Co.	Middletown	108 10.	4.6	35	Crawford & McCrimmon.	
5	Athens Mining Co.	Athens.	139 12.	4.	50	do.	
6	Wabash Coal Co.	do.	105 12.	4.	50	do.	
7	South Mountain Coal Co.	Petersburg.	51 12.	3.	25	Brazil	
8	Peoples Coal Mining Co.	Tice	61 10.	4.6	35	Crawford & McCrimmon.	
9	Tallula Coal Co.	Tallula.	49 10.	4.6	35	do.	
10	Greenview Coal Co.	Greenview	32 6.	4.	10	Robinson	
11	Manchester Coal Co.	Petersburg.	21 8.	4.	5	Crawford & McCrimmon.	
12	Chi., Wilm. & Ver. Coal Co.	Thayer.	352 22.	5.	150	Brazil	
13	Madison Coal Corporation.	Divernon	325 13 6.	7.	400	Home Made	
14	Illinois Midland Coal Co.	Sherman.	281 20.	7.	180	Capell	
15	Illinois Midland Coal Co.	Pawnee	330 6.	3.6	75	Litchfield, Mich.	
16	Woodside Coal Co.	Springfield.	283 20.	6.	70	Robinson	
17	Springfield Coal Mining Co., No. 5	Springfield.	234 14 6.	5.6	150	Aetna	
18	Springfield Colliery Co.	Springfield.	187 16.	6.	60	Buffalo	
19	Black Diamond Coal Co.	Auburn	201 14.	3.6	73	Crawford & McCrimmon.	
20	Springfield Coal Mining Co.	Riverton.	233 12.	3.	75	Guibal.	
21	Capitol Coal Co.	Springfield.	223 20.	6.	100	Stevens	
22	Sangamon Coal Co.	Springfield.	180 20.	6.	175	Aetna	
23	Chicago & Springfield Coal Co.	Springfield.	170 22.	6.	50	Duncan	
24	Springfield Coal Mining Co., No. 4	Springfield.	156 14.	5.	75	do.	
25	Tuxhorn Coal Co.	Springfield.	181 12.	4.	75	Indiana	
26	Springfield Coal Mining Co.	Riverton.	114 20.	6.	70	Crawford & McCrimmon.	
27	Cora Coal Co.	Springfield.	182 20.	6.	70	Aetna	
28	Springfield Coöperative Co.	Springfield.	125 12.	6.	80	do.	
29	Springfield Coal Mining Co.	do.	129 12.	5.	65	Robinson	
30	Barclay Coal Mining Co.	do.	141 12.	5.	80	Crawford & McCrimmon.	
31	Standard Washed Coal Co.	Spaulding.	140 12.	5.	60	do.	
32	Cantrall Coöperative Coal Co.	Cantrall.	137 15.	4.	70	do.	
33	West End Coal Co.	Springfield.	123 14.	4.	60	Duncan	
34	Citizens' Coal Mining Co.	do.	121 20.	4.	75	Home Made	
35	Illinois Collieries Co.	do.	248 20.	6.	120	Duncan	
36	Standard Washed Coal Co.	Bissell.	140 20.	5.	40	Litchfield	
37	Illinois Collieries Co.	Springfield.	255 15.	7.	75	Crawford & McCrimmon.	
38	O'Gara & King.	do.	112 14.	4.	50	Aetna	
39	Citizens' Coal Mining Co.	do.	113 12.	3.5	25	Home Made	
40	Wabash Coal Co.	Dawson.	110 20.	3.5	150	Crawford & McCrimmon.	
41	Spring Creek Coal Co.	Springfield.	82 20.	4.	30	Aetna	
42	Auburn & Alton.	Auburn	89 12.	4.	70	Duncan	
43	Jones & Adams Coal Co.	Springfield.	81 20.	6.	30	Aetna	
44	Mechanicsburg Coal Co.	Mechanicsburg.	34 12.	4.	30	Crawford & McCrimmon	

SEVENTH DISTRICT.

1	Springfield Coal Co.	Taylorville.	285 20.	6.	75	Danville
2	Christian County Coal Co.	do.	262 20.	6.	85	Duncan
3	Pana Coal Co.	Pana.	242 22.	5.	40	Pana.
4	Pana Coal Co.	do.	237 12 6.	4.3	50	Capell
5	Stonington Coal Co.	Stonington.	134 20.	6.	80	Aetna
6	Smith-Lohr Coal Co.	Pana.	185 20.	5.	50	Litchfield
7	Pennwell Coal Mining Co.	do.	206 12.	5.	167	Stevens
8	Assumption Coal Co.	Assumption	154 14.	4.	75	Home Made
9	Superior Coal Co.	Gillespie	524 16.	6.	375	Miller
10	Superior Coal Co.	Sawyer ville.	549 16.	6.	365	do.
11	Superior Coal Co.	Gillespie	430 16.	6.	400	do.

Table 98—Continued.

## SEVENTH DISTRICT—Concluded.

Number.	NAME OF OPERATOR.	Postoffice address and location of mine.	Number of employé's underground.	FAN.			
				Diameter—feet.	Width—feet..	Capacity—cubic feet per minute, 1,000	Name.
12	Consolidated Coal Co.	Staunton.....	317	22.	6.	75	Duncan.....
13	Royal Colliery Co.	Virden.....	375	20.	6.	75	Crawford & McCrimmon.
14	Consolidated Coal Co.	Mt. Olive.....	318	22.	6.	75	Duncan.....
15	Consolidated Coal Co.	Staunton.....	223	20.	6.	60	Stockett.....
16	Illinois Collieries Co.	Virden.....	377	20.	6.	75	Duncan.....
17	Consolidated Coal Co.	Mt. Olive.....	185	30.	8.	100	Stockett.....
18	Madison Coal Corporation	..do.....	210	22.	5.	150	Home Made.....
19	Consolidated Coal Co.	..do.....	199	15.	4.	60	Stockett.....
20	Illinois Collieries Co.	Girard.....	241	30.	8.	70	Duncan.....
21	Consolidated Coal Co.	Staunton.....	131	20.	5.	60	Crawford & McCrimmon.
22	Prairie State Coal & Coke Co.	Nilwood.....	117	22.	6.	85	Murphy.....
23	Carlville Coal Co.	Carlville.....	82	8.	2, 6	25	..do.....
24	Consolidated Coal Co.	Gillespie.....	47	12.	3.	60	..do.....
25	Shoal Creek Coal Co.	Panama.....	333	15.	6.	200	Capell.....
26	Hillsboro Coal Co.	Hillsboro.....	184	20.	6.	100	Crawford & McCrimmon.
27	Burnwell Coal Co.	Witt.....	305	20.	6.	100	..do.....
28	Kortkamp Coal Co.	Hillsboro.....	127	12.	4.	40	..do.....
29	Burnwell Coal Co.	Witt.....	145	12.	4.	40	..do.....
30	Clover Leaf Coal Co.	Coffeen.....	132	10.	3, 6	25	..do.....
31	Clover Leaf Coal Co.	..do.....	99	10.	3.	25	..do.....
32	Peabody Coal Co.	Nokomis.....	75	10.	3.	60	..do.....
33	Farnerville Coal Co.	Farnerville.....	6	3.	1, 6	5	Home Made.....
34	Century Coal Co.	Tower Hill.....	155	20.	7.	50	Crawford & McCrimmon.
35	Moweauqua Coal Co.	Moweauqua.....	89	20.	5.	40	Litchfield.....

## EIGHTH DISTRICT.

1	Pocahontas Mining Co.	Pocahontas.....	64	8	8, 6	25	Brazil.....
2	Illinois Collieries Co.	Sorento.....	150	14	5.	50	..do.....
3	Mississippi Colliery Co.	Smithboro.....	12	8	2.	16	..do.....
4	New Staunton Coal Co.	Livingston.....	419	20	6.	300	Danville.....
5	Donk Bros Coal & Coke Co.	Donkville.....	337	20	6.	120	Duncan.....
6	Mt. Olive & Staunton Coal Co.	Williamson.....	459	22	6.	120	Duncan.....
7	Donk Bros. Coal & Coke Co.	Maryville.....	367	22	6.	130	..do.....
8	Mt. Olive & Staunton Coal Co.	Staunton.....	267	22	6.	125	..do.....
9	Lumaghi Coal Co.	Collinsville.....	330	6	3, 6	80	Sullivan.....
10	Donk Bros. Coal & Coke Co.	Troy.....	329	20	6.	120	Duncan.....
11	Madison Coal Corporation	Glen Carbon.....	248	22	6.	140	Home made.....
12	Madison Coal Corporation	Glen Carbon.....	217	22	6.	140	..do.....
13	DeCamp Coal Mining Co.	Staunton.....	170	22	6.	150	Duncan.....
14	Kerns-Donnawald Coal Co.	Worden.....	161	14	4, 6	40	Litchfield.....
15	Lumaghi Coal Co.	Collinsville.....	122	10	3.	26	Brazil.....
16	Interstate Coal & Mining Co.	Staunton.....	90	12	3.	40	Cole.....
17	Henrietta Coal Co.	Edwardsville.....	62	14	4.	50	Duncan.....
18	Brookside Coal Co.	Troy.....	45	12	3.	25	Brazil.....
19	Edwardsville Coal Co.	Edwardsville.....	16	14	4.	50	Home made.....
20	Consolidated Coal Co.	Collinsville.....	347	16	5.	90	Stockett.....
21	St. Louis & O'Fallon Coal Co.	Belleville.....	346	22	6.	108	Duncan.....
22	St. Louis & O'Fallon Coal Co.	..do.....	404	20	6.	60	H. & H.....
23	Prairie Coal Co.	..do.....	150	20	6.	100	..do.....
24	Southern Coal Mining Co.	..do.....	186	16	6.	85	Brazil.....
25	Superior Coal Co.	..do.....	121	20	5.	90	H. & H.....
26	Joseph Taylor Coal Co.	O'Fallon.....	101	8	3.	25	Ellison.....
27	Joseph Taylor Coal Co.	..do.....	132	20	6.	120	..do.....
28	Southern Coal Mining Co.	Belleville.....	131	14	6.	45	Brazil.....
29	Joseph Taylor Coal Co.	O'Fallon.....	111	12	4.	30	Stockett.....
30	Fullerton Coal Co.	Belleville.....	66	12	3.	25	Brazil.....
31	Breese & Trenton Mining Co.	Trenton.....	130	22	6.	50	Duncan.....

Table 98—Continued.

EIGHTH DISTRICT—Concluded.

Number.	NAME OF OPERATOR.	Postoffice address and location of mine.	Number of employes underground.	FAN.			
				Diameter—feet.	Width—feet.	Capacity—cubic feet per minute, 1,000.	
				Name.			
32	Consolidated Coal Co.	Collinsville.	63	10	4.	20	Brazil.
33	Suburban Coal & Mining Co.	Belleville.	90	12	4.	20	H. & H.
34	Borders Coal Co.	Marissa.	87	16	5.	40	Cole.
35	Royal Coal & Mining Co.	Belleville.	64	20	6.	135	Duncan.
36	Kolb Coal Co.	Mascoutah.	89	20	6.	135	H. & H.
37	International Coal & Mining Co.	O' Fallon.	84	12	4.	60	Stuyvesant.
38	Summitt Coal & Mining Co.	Belleville.	51	12	5.	60	Ellison.
39	Mulberry Hill Coal Co.	Freeburg.	56	7	5.	30	Brazil.
40	Borders Coal Co.	Marissa.	70	9	3.	18	Blakeslee.
41	Avery Coal & Mining Co.	Freeburg.	58	15	5.	40	Brazil.
42	Kolb Coal Co.	Mascoutah.	48	12	3.	25	Stein.
43	Belleville & O' Fallon Coal Co.	Belleville.	45	6	3.	20	H. & H.
44	Bessemer Washed Coal Co.	Marissa.	74	12	3.	20	Duncan.
45	Southern Coal & Mining Co.	Belleville.	105	20	6.	80	H. & H.
46	Southern Coal & Mining Co.	do.	61	15	5.	40	Brazil.
47	Missouri & Illinois Coal Co.	Wilderman.	63	10	4.	28	Belleville.
48	Vulcan Coal & Mining Co.	Belleville.	65	12	4.	46	Ellison.
49	Cluley Miller Coal Co.	Caseyville.	42	16	4.	50	Brazil.
50	Jones Bros. Coal Co.	Marissa.	42	10	3.	20	H. & H.
51	Kolb Coal Co.	Mascoutah.	34	15	5.	50	Brazil.
52	Vulcan Coal & Mining Co.	Belleville.	47	10	4.	20	H. & H.
53	Marissa Coal & Mining Co.	Marissa.	61	15	5.	25	Stockett.
54	Beatty Coal Co.	Mascoutah.	38	12	4.	30	Brazil.
55	Johnson Coal Co.	Marissa.	56	10	3.	30	Ellison.
56	Bessemer Washed Coal Co.	Lenzburg.	59	15	4.	40	Brazil.
57	Johnson Coal Co.	Freeburg.	41	10	3.	20	Ellison.
58	Missouri & Illinois Coal Co.	Freeburg.	60	9	3.6	20	Belleville.
59	Southern Coal & Mining Co.	Belleville.	35	10	3.	20	do.
60	Glendale Coal & Mining Co.	do.	52	10	5.	20	H. & H.
61	White & Nesbit Coal Co.	do.	23	10	3.	20	Brazil.
62	Southern Coal & Mining Co.	do.	60	10	3.	25	Belleville.
63	Pittsburg Coal & Mining Co.	do.	30	10	3.	25	H. & H.
64	Highland Coal Co.	do.	36	10	3.	20	Brazil.
65	Kolb Coal Co.	Mascoutah.	41	12	4.	30	do.
66	Dewey Coal Co.	Belleville.	18	10	3.	20	H. & H.
67	T. M. Meeks Coal Co.	Marissa.	27	20	5.	60	Blakeslee.
68	International Coal & Mining Co.	O' Fallon.	29	10	3.	20	Brazil.
69	Missouri & Illinois Coal Co.	Rentchler.	69	15	4.	45	Duncan.
70	Central Indiana Coal & Mining Co.	do.	50	8	3.	20	Brazil.
71	Herman Puhhl.	Richland.	29	10	3.	25	Ellison.
72	L. Senior.	Belleville.	26	8	3.	16	do.
73	Harmony Coal Co.	do.	17	10	4.	18	Belleville.
74	Bessemer Washed Coal Co.	Marissa.	18	15	5.	40	Ellison.
75	Murphy Coal Co.	Belleville.	2	8	3.	15	do.

NINTH DISTRICT.

1	Southern Coal Co.	New Baden.	360	15	5	30	Belleville.
2	Breese Trenton Mining Co.	Breese.	200	20	4	79	Aetna.
3	Breese-Trenton Mining Co.	Beckemeyer.	225	10	3	32	do.
4	Cooperative Coal & Mining Co.	Breese.	150	18	3	75	do.
5	Trenton Mining Co.	Trenton.	212	8	4	150	Sullivan.
6	Consolidated Coal Co.	Breese.	133	20	6	150	Stockett.
7	Southern Coal Co.	Germantown.	51	10	3.9	20	do.
8	Zeigler Coal Co.	Zeigler.	399	16	8	250	Robinson.
9	Dering Coal Co.	W. Frankford.	198	20	6	100	Crawford & McCrimmon.
10	Benton Coal Co.	Benton.	206	10	5.6	100	Robinson.
11	United Coal Co.	Christopher.	137	14	6	250	Capell.
12	Zeigler District Colliery Co.	do.	138	12	4	200	Stevens.

Table 98—Continued.

## NINTH DISTRICT—Concluded.

Number.	NAME OF OPERATOR.	Postoffice address and location of mine.	Number of employes under ground.	FAN.			Name.
				Diameter—feet and inches.	Width—feet and inches.	Capacity—cubic feet per minute, 1,000.	
13	W. P. Rend Colliery Co.	Benton	155	16	6	100	Robinson
14	Franklin County Colliery Co.	Sesser	122	20	6	200	Crawford & McCrimmon
15	Big Muddy Cartersville Mining Co.	Peirce	97	15	4	43	Blakeslee
16	Hart-Williams Coal Co.	Benton	58	11	4.6	150	Capell
17	Dering Coal Co No. 18	W. Frankford	34	12	4	200	Stevens
18	David Orr Coal Co.	Mt. Vernon	48	10	3	35	Murphy
19	Odin Coal Co.	Odin	236	12	4	75	Cole
20	Middletown & Seide	Sandoval	86	20	6	75	Crawford & McCrimmon
21	Majestic Coal Co.	Clinch	325	20	5	250	Blakeslee
22	Paradise Coal & Coke Co.	Duquoin	180	20	4	200	Litchfield
23	Willis Coal & Mining Co.	Willisville	203	22	6	75	Duncan
24	Brilliant Coal & Coke Co.	Duquoin	109	18	3	50	Blakeslee
25	St. Louis-Coulterville Coal Co.	Coulterville	79	16	4	30	Ellison
26	Jupiter Coal & Mining Co.	Duquoin	78	12	4.6	30	Blakeslee
27	Tamaroa Little Muddy Coal Co.	Tamaroa	81	12	4	32	Crawford & McCrimmon
28	Jupiter Coal Mining Co.	Duquoin	28	18	4.6	100	Litchfield
29	Bailey Bros. No. 3	Sunfield	45	10	3.6	20	Circular
30	New Moon Mining Co.	Duquoin	30	8	2.6	20	Cole
31	Dimond Fuel Co.	do.	49	14	6	20	do.
32	Anchor Coal Mining Co.	do.	26	10	3	32	Blakeslee
33	Strait Coal Co.	Pickneyville	18	10	3	20	Ellison
34	Wilson Coal Co.	Cutler	6	10	3	20	do.
35	Willis Coal & Mining Co.	Percy	296	12	3	37	Ottumwa
36	Moffat Coal Co.	Sparta	146	12	4	60	Blakeslee
37	Illinois Fuel Co.	do.	69	18	4	110	Crawford & McCrimmon
38	Wilson Bros. Coal Co.	do.	72	15	4	75	do.
39	Jones Bros. Coal & Mining Co.	Tilden	60	10	4	60	do.
40	Bessemer W. Coal Co.	Tilden	61	10	4	35	Blakeslee
41	Nicholson Coal Co.	Nashville	48	10	3	35	Murphy
42	Kuhp Colliery Co.	Du Bois	62	10	4	35	Cole
43	Norris City Coal Co.	Norris City	36	8	3	40	Hilman

## TENTH DISTRICT.

1	Gallatin Coal & Coke Co.	Equality	71	14	4	50	Home made
2	Muddy Valley Mining & Mfg. Co.	Hallidayboro.	226	16	4.6	60	Blakeslee
3	Big Muddy Coal & Iron Co.	Murphysboro.	188	6	2	70	Murphy
4	Big Muddy Coal & Iron Co.	do.	203	15	4	80	Crawford & McCrimmon
5	Big Muddy Coal & Iron Co.	do.	59	10	5.6	100	Robinson
6	Chicago, & Carbondale Coal Co.	De Soto	55	16	4	70	Ottumwa
7	Gus Blair & Big Muddy Coal Co.	Murphysboro.	50	12	6	40	Home made
8	Gartside Coal Co No. 4	do.	59	14	3.10	50	do.
9	Gartside Coal Co. No. 3	do.	58	14	4	50	do.
10	Schmidtgaill Coal Co.	do.	24	8	3	30	Cole
11	Gus Blair Coal Co.	do.	11	5	2	30	Home made
12	Ogara Coal Co. No. 9	Harrisburg	285	14	4	70	Franklin
13	Ogara Coal Co. No. 3	do.	221	4	4	38	Champion
14	Ogara Coal Co. No. 1	do.	232	16	4	90	Keck & Gonnerman
15	Ogara Coal Co. No. 4	do.	247	12	4	50	Hilman
16	Ogara Coal Co. No. 10	Eldorado	178	18	5	100	Crawford & McCrimmon
17	Ogara Coal Co. No. 7	Carrier Mills	194	14	4	70	Keck & Gonnerman
18	Ogara Coal Co. No. 14	Ledford	253	12	4	50	Crawford & McCrimmon
19	Saline County Coal Co.	Harrisburg	215	12	4	50	do.
20	Ogara Coal Co. No. 8	Eldorado	170	10	4	25	do.
21	Ogara Coal Co. No. 12	Harrisburg	158	18	5	100	do.
22	Ogara Coal Co. No. 2	do.	177	4	4	38	Champion
23	Ogara Coal Co. No. 5	Ledford	161	12	4	50	Crawford & McCrimmon



Table 98—Concluded.

TENTH DISTRICT—Concluded.

Number.	NAME OF OPERATOR.	Postoffice address and location of mine.	Number of employes under ground.	FAN.			
				Diameter—feet and inches.	Width—feet and inches.	Capacity—cubic feet per minute, 1,000.	Name.
24	Wasson Coal Co. No. 1.....	Harrisburg.....	93	16 4	100	Keck & Gonnerman.....	
25	Saline County Coal Co. No. 2.....	..do.....	94	14 4	85	Crawford & McCrimmon.....	
26	Ogara Coal Co. No. 6.....	..do.....	122	12 4	50	Hilman.....	
27	Ogara Coal Co. No. 11.....	Eldorado.....	110	18 5	100	Crawford & McCrimmon.....	
28	Galatia Coal Co.....	Galatia.....	92	20 4	50	Blakeslee.....	
29	Eldorado Coal & Mining Co. No. 1.....	Eldorado.....	22	20 4	65	Keck & Gonneramn.....	
30	Davenport Mining Co.....	Carriers Mills.....	26	14 4	50	..do.....	
31	Harrisburg Southern Coal Co.....	Grayson.....	48	14 4	25	Crawford & McCrimmon.....	
32	Big Muddy Coal & Iron Co.....	Clifford.....	278	16 6	325	Robinson.....	
33	Big Muddy Coal & Iron Co.....	Herrin.....	321	20 6	150	Crawford & McCrimmon.....	
34	Chicago & Carterville.....	..do.....	348	20 5	100	..do.....	
35	Sunnyside Coal Co.....	..do.....	336	20 8	120	..do.....	
36	Peabody Coal Co.....	Marion.....	334	20 7	146	..do.....	
37	Johnston City Coal Co.....	Johnston City.....	290	21 5	150	Duncan.....	
38	Chicago & Big Muddy Coal & Coke Co.....	Marion.....	295	20 5	100	Aetna.....	
39	Carterville District Coal Co.....	..do.....	238	18 6	100	Crawford & McCrimmon.....	
40	Western Coal Mining Co.....	Bush.....	179	20 5	60	Duncan.....	
41	Carterville Coal Co.....	Carterville.....	242	15 4 6	85	Illinois Eng. & Mch. Co..	
42	Madison Coal Corporation.....	Dewmaine.....	235	16 5	150	Robinson.....	
43	St. Louis & Carterville Coal Co.....	Herrin.....	300	15 4 6	100	Ill. Eng. & Machine Co..	
44	Peabody Coal Co.....	Marion.....	211	20 5	120	Crawford & McCrimmon.....	
45	Carterville Big Muddy.....	Cambria.....	180	9 4	75	Robinson.....	
46	Williamson County Coal Co.....	Johnston City.....	165	10 6	50	Crawford & McCrimmon.....	
47	Hafer Washed Coal Co.....	Carterville.....	152	20 5	130	Blakeslee.....	
48	Consumers Coal & Mining Co.....	Johnston City.....	122	17 5	100	Blakeslee.....	
49	Donaly & Koennecke Coal Co.....	Carterville.....	160	15 5	100	..do.....	
50	Chicago & Carterville Coal Co.....	Herrin.....	116	10 5	150	Sullivan.....	
51	Madison Coal Corporation.....	Cambria.....	124	20 6	90	Candler & Tyler.....	
52	Consumers Coal Co.....	Johnston City.....	130	10 5	75	Blakeslee.....	
53	Chicago & Herrin Coal Co.....	Herrin.....	139	12 3	35	Crawford & McCrimmon.....	
54	Carterville Mining Co.....	Carterville.....	131	20 5	120	Blakeslee.....	
55	Robert-Dick Coal Co.....	Cambria.....	70	14 7	60	Home made.....	
56	Carterville Mining Co.....	Carterville.....	108	20 5	120	Blakeslee.....	
57	Carterville & Herrin Coal Co.....	Herrin.....	83	14 4 6	62	Ill. Eng. & Machine Co..	
58	Carterville Mining Co.....	Cambria.....	90	12 4	20	Crawford & McCrimmon.....	
59	Watson Coal Co.....	Herrin.....	74	12 5	15	Murphysboro.....	
60	Watson Coal Co.....	Herrin.....	60	12 5	14	Coal Belt Machine Co.....	
61	West Virginia Coal Co.....	Marion.....	49	14 5	60	Crawford & McCrimmon.....	
62	Colp Coal Co.....	Marion.....	67	14 5	15	Champion.....	
63	Scranton & Big Muddy Coal Co.....	..do.....	27	14 4	15	Blakeslee.....	
64	Johnston City & St. Louis Coal Co.....	Johnston City.....	51	14 4	15	..do.....	
65	Keystone Big Muddy Coal Co.....	Marion.....	11	14 4	15	..do.....	
66	Big Muddy River Con. Coal Co.....	Johnston City.....	98	12 4	15	Crawford & McCrimmon.....	
67	Big Muddy River Con. Coal Co.....	Herrin.....	105	12 4	15	..do.....	

Table 99 is the recapitulation of table 98 and shows by districts, the number of mines at which fans of a regular make are in use, also the number of mines where so called home-made fans are installed.

TABLE 99—*Fans in Use in State, by Districts.*

DISTRICTS.	REGULAR MAKE.		HOME MADE.		TOTALS.	
	Number mines and fans.	Number of men under ground.	Number mines and fans.	Number of men under ground.	Number mines and fans.	Number of men under ground.
First.....	26	5,536	3	379	29	5,915
Second.....	11	3,491	16	1,406	27	4,897
Third.....	21	3,005			21	3,005
Fourth.....	31	3,102	2	386	33	3,488
Fifth.....	20	3,842			20	3,842
Sixth.....	41	6,497	3	559	44	7,056
Seventh.....	32	7,310	3	370	35	7,680
Eighth.....	72	7,830	3	465	75	8,295
Ninth.....	43	5,341			43	5,341
Tenth.....	61	9,702	6	319	67	10,021
The State.....	358	55,656	36	3,884	394	59,540

Table 100 is a further recapitulation of table 98 and gives the names of all the different makes of fans in use, also the districts in which located.

TABLE 100—*Name and Number of Fans in Use at the Mines of the State, by Districts—1908.*

Number.	NAME OF FAN.	DISTRICTS.										Total.	
		1s	2d	3d	4th	5th	6th	7th	8th	9th	10th		
1	Aetna.....						6	1		3	2	12	
2	Atlas.....				1							1	
3	Belleville.....								5	1		6	
4	Blakeslee.....								2	7	11	20	
5	Brazil.....			2	5	12		3		23		45	
6	Buffalo.....			1				1				2	
7	Capell.....		1	6				2	2		2	13	
8	Champion.....										3	3	
9	Chandler & Tyler.....										1	1	
10	Circular.....									1		1	
11	Clifford.....				1							1	
12	Coal Belt Machine Co.....										1	1	
13	Cole.....		2		1	1				2	4	11	
14	Crawford & McCrimmon.....		10		2	9	16	16	10		7	22	92
15	Cyclone.....		3										3
16	Danville.....								1	1			2
17	Duncan.....			1		1		5	5	12	1	2	27
18	Eagle.....					2							2
19	Economiser, G. F.....				1								1
20	Ellison.....									8	3		11
21	Erie.....		1										1
22	Franklin.....											1	1
23	Frost.....			1		1							2
24	Guibal.....		3		10			1					14
25	H. & H.....									12			12
26	Hillman.....										1	2	3
27	Holmes.....					2							2
28	Home made.....		3	16		2		3	3	3		6	36
29	Illinois Eng. & Mch. Co.....											3	3
30	Indiana.....							1					1
31	Keck & Gonneman.....											5	5
32	Litchfield.....							2	2	1	2		7
33	Miller.....								3				3

Table 100—Concluded.

Number.	NAME OF FAN.	DISTRICTS.										Total.
		1st	2d	3d	4th	5th	6th	7th	8th	9th	10th	
34	Murphy.....			1				3	2	1		7
35	Murphysboro.....									1		1
36	Ottumwa.....	1			2				1	1		5
37	Pana.....						1					1
38	Robinson.....				1	3			3	4		11
39	Stein.....							1				1
40	Stevens.....					2	1	1		2		6
41	Stockett.....							3	3	2		8
42	Sturtevant.....								1			1
43	Stuyvesant.....	1										1
44	Sullivan.....				1				1	1		3
45	Vulcan.....	4										4
	Total.....	29	27	21	33	20	44	35	75	43	67	394

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REPORTS  
of the  
State Inspectors  
of Mines.

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## FIRST INSPECTION DISTRICT--1908.

### THIRD ANNUAL REPORT.

COUNTIES: GRUNDY, KANKAKEE, LA SALLE, WILL.

HECTOR MCALLISTER, *Inspector*, Streator, Illinois.

*Hon. David Ross, Secretary State Bureau of Labor Statistics, Springfield:*

DEAR SIR—In compliance with section 12 of an Act of the General Assembly of the State of Illinois, defining the duties of the State Inspector of Coal Mines, and providing for the health and safety of persons employed therein. I herewith submit the third annual report of coal mines in the first inspection district, as now formed, for the year ending June 30, 1908. The district includes the coal producing counties of Grundy, Kankakee, La Salle and Will. The report contains tabulated statements showing the number of mines in operation, both shipping and local; the depth of coal below the surface, with the geological number and thickness of the various coal seams; the number of new and abandoned mines; the total number of persons employed at each mine; the tons of mine run, lump and other grades of coal produced; the price per ton paid for mining; the aggregate value of the total product; the number of kegs of powder consumed; the casualties in and around the mines, both fatal and non-fatal; the number of wives made widows and the children left fatherless, caused by these casualties in and around the mines; the number of days of active operation of every mine in the district; the name of the ventilating fans at each mine; also the diameter and width and the capacity of each in cubic feet per minute; also the method of signaling at each mine.

The following is a summary of the leading items for all the counties in the district:

Number of mines .....	63
Number of shipping mines .....	29
Number of local mines .....	34
Number of new mines .....	6
Number of abandoned mines .....	10
Number of miners .....	4,866
Number of others underground .....	1,175
Number of boys underground .....	146
Number of employes above ground .....	613
Total number of employes .....	6,800
Total tons of coal produced, all grades .....	2,980,228
Total tons of mine run .....	478,339
Total tons of lump .....	1,582,881
Total tons of egg .....	203,382
Total tons of nut .....	44,437
Total tons of pea or screenings .....	610,382
Total tons of slack .....	60,507
Aggregate value of total product, all mines .....	\$4,447,800

Average price paid per gross ton hand mining shipping mines.....	\$0.83
Average number of days of active operation shipping mines.....	227
Number of kegs of powder used.....	22,703
Tons of coal shipped from the mines.....	2,349,640
Tons supplied to locomotives.....	115,450
Tons sold to local trade shipping mines.....	136,847
Tons to local trade local mines.....	61,358
Tons sold to local trade all mines.....	198,205
Tons consumed and wasted at the plant all mines.....	316,933
Number of fatal accidents.....	16
Number of non-fatal accidents.....	88
Number of wives made widows.....	9
Number of children left fatherless.....	42
Tons of coal mined to each fatal accident.....	186,264
Tons of coal mined to each non-fatal accident.....	33,866
Number of employes to each fatal accident.....	425
Number of employes to each non-fatal accident.....	77

The following comparative statement gives the coal production by counties now comprising the first district with the decrease in each for the year ending June 30, 1908:

COUNTIES.	TOTAL OUTPUT, ALL GRADES OF COAL IN TONS.		Decrease.
	1907	1908	
Grundy.....	1,327,197	1,174,482	152,715
Kankakee.....	37,828	17,801	20,027
LaSalle.....	1,644,686	1,626,931	17,755
Will.....	188,338	161,014	27,324
Total.....	3,198,049	2,980,228	217,821

All of the coal producing counties comprising this district show a decrease aggregating 217,821 tons from that of 1907.

#### NEW MINES.

Kelly and Gudgel have opened a new mine near Utica, La Salle county. Heather and Clayton have opened a new mine two miles north of Morris, Grundy county.

#### ABANDONED MINES.

The C. W. & V. Coal Company has abandoned its No. 1 mine at Streator, La Salle county.

Munts Bros., Evans Bros., Haar Bros. and Ed. Evans have abandoned their mines near Coalville, La Salle county.

Lewis Evans has abandoned his mine north of Kanglay, La Salle county.

The Braceville Coal Company has abandoned its No. 5 mine near Braceville, Grundy county.

J. K. Telfer and the Morris Coal Company have abandoned their mines near Morris, Grundy county.

#### CHANGES OF OWNERSHIP.

\* William Dawson has purchased the mine formerly operated by J. C. Dawson at Deer Park, La Salle county.

The Spicer Coal Company has purchased the mine formerly operated by the Kickapoo Coal Company at Marselles, La Salle county.



## IMPROVEMENTS.

The La Salle County Carbon Coal Company, La Salle, has installed a pair of Litchfield first motion hoisting engines at its No. 1 mine. These engines are 24 by 36 inches with a 7-foot drum; the company has also installed a new tubular boiler 6 by 18 feet, with 64 4-inch tubes.

## FATAL ACCIDENTS.

The following is a detailed statement of fatal accidents that have taken place in the first district during the year ending June 30, 1908:

July 3, 1907, three men, all sinkers, were killed in the La Salle County Carbon Coal Company's No. 5 mine at Cedar Point, La Salle county; Hagen Benson, aged 35 years, single; Frank Basalai, aged 30 years, single; and Charles Agnew, aged 30 years, single. Benson and Basalai were killed instantly and Agnew died in the hospital at La Salle eighteen hours after the accident occurred. These men, with William Spowart, the company's machinist, were changing a line of 4-inch pipe from near the center of the shaft to one corner, so the pipe would not interfere with the cage. They had disconnected the pipe from the pump at the bottom, which was held by a  $\frac{5}{8}$ -chain attached to a 4-ton chain block. The men were hoisted up about 45 feet, and were knocking off cleats, when the chain holding the pipe broke, letting down two or three lengths of the pipe from the top, which struck the men working on the float, with the result as stated. Mr. Spowart was only slightly injured.

Aug. 7, 1907, Peter Gorbet, miner, aged 50 years, single, was seriously injured at the face of his working place by falling rock in the No. 4 mine of the Star Coal Company, Kangley, La Salle county. Deceased was taking down coal, when a mass of rock fell from the roof, crushing him underneath. He was taken to the hospital in Streator, where he died seven days after the accident occurred.

Aug. 17, 1907, Adam Rossman, miner, aged 52 years, married, was seriously injured in the La Salle County Carbon Coal Company's La Salle mine, La Salle county. Deceased was firing a shot at quitting time, but it failed to go off; after waiting a reasonable time he returned to the shot, relighted the squib, but before he could get out of the way the shot went off, knocking him against the building, severely bruising him. He was conveyed to his home, where he died twenty hours afterwards. He leaves a widow and six children.

Sept. 28, 1907, Joseph Davis, roadman, aged 32 years, single, was killed instantly by falling rock in the Illinois Zinc Company mine at Deer Park, La Salle county. Deceased was helping to put a loaded car on the track when a mass of rock fell without any warning, crushing him underneath.

Oct. 3, 1907, Walter Bone, timberman, aged 45 years, married, was killed instantly by falling rock on the first parting east in the La Salle County Carbon Company's No. 1 mine at Jonesville, La Salle county. Deceased and his partner were renewing the cross timbers on the parting, and were preparing to put up a liner or timber support that the old timbers could be taken out; but, without any warning, a great mass of rock weighing about 35 or 40 tons fell, breaking the new timbers that were put up the night previous, crushing Bone underneath. He leaves a widow and seven children.

Oct. 17, 1907, Gabiral Flarina, miner, aged 44 years, married, was killed instantly by falling rock at the face of his working place in the La Salle County Carbon Coal Company's No. 1 mine at Jonesville, La Salle county. He leaves a widow and four children.

Oct. 23, 1907, Andrew Palanos, miner, aged 36 years, married, was killed instantly by falling coal at the face of his working place in the C. W. & V. Coal Company's No. 2 mine, Streator, La Salle county. He leaves a widow and five children.

Nov. 29, 1907, Peter Ostrowski, driver, aged 21 years, single, was seriously injured in the Oglesby Coal Company's mine, Oglesby, La Salle county. Deceased with three other men were riding out on the motor trip, which is against the rules of the company; while the trip was going up grade, the

loaded cars became detached from the motor; when the cars began running back, Ostrowski jumped to one side, but was caught between the rib and the cars and was dragged about 50 feet; both legs were broken and he was injured internally. He was taken to the hospital in La Salle, where he died three hours after the accident.

Dec. 7, 1907, William Jasper, miner, aged 63 years, married, was killed instantly by falling rock at the face of his working place in the La Salle County Carbon Coal Company's Union mine, Peru, La Salle county. He leaves a widow and six children.

Dec. 19, 1907, John Leake, miner, aged 52 years, single, was killed instantly by falling rock at the face of his working place in the La Salle County Carbon Coal Company's La Salle mine, La Salle county.

Dec. 28, 1907, George Ommar, driver, aged 35 years, married, was killed instantly by falling rock in the first left cross-road off of the straight south in the Wilmington Star Mining Company's No. 5 mine, Coal City, Grundy county. Deceased was going in with an empty trip when a rock fell on him with the result as stated. He leaves a widow and five children.

March 27, 1908, John Enrietta, miner, aged 45 years, married, was killed instantly by falling rock at the face of his working place in the No. 6 mine of the Big Four Wilmington Coal Company, Carbon Hill, Grundy county. He leaves a widow and three children.

June 4, 1908, Mike Martis, timberman, aged 26 years, married, was killed instantly by falling rock in the No. 6 mine of the Braceville Coal Company, Braceville, Grundy county. Deceased and his partner, John Golden, were cleaning and timbering a roadway when a mass of rock fell, without any warning, crushing Martis underneath, with the result as stated. He leaves a widow and one child.

June 18, 1908, Joseph Montzze, roadman, aged 46 years, married, was severely crushed and injured internally by falling rock in the B mine of the Clark City, Wilmington Coal Company, Kankakee county. Deceased was cleaning out the neck of an old room for the purpose of making a sump when a rock fell without warning, crushing him underneath. He died of his injuries seven hours after the accident. He leaves a widow and five children in Italy.

The tables of the fatal and non-fatal accidents follow, also the tables of each coal producing county in the district.

Respectfully submitted,

HECTOR McALLISTER,

*State Inspector of Mines, First District, Streator.*

*Fatal Casualties—First District—July 1, 1908.*

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	Widows.	Children.	Single.	Number persons dependent.	Cause of accident.
1907										
July 3	Hagen Benson.....	35	Sinker.....	Cedar Point.....				1		Falling iron pipe in shuff.....
	3 Frank Boscili.....	30	do.....	do.....				1		do.....
	3 Chas. Agnew.....	30	do.....	do.....				1		do.....
Aug. 7	Peter Gorbet.....	50	Miner.....	Kangley.....				1		Falling rock at face.....
	17 Andrew Rossman.....	52	do.....	La Salle.....		1	6		3	Premature blast.....
Sept. 28	Joseph Davis.....	32	Roadman.....	Oglesby.....				1		Falling rock.....
Oct. 3	Walter Bone.....	45	Timberman.....	Jonesville.....	1	1	7		3	do.....
	17 Gabiral Flarina.....	44	Miner.....	La Salle.....	1	1	4		3	do.....
	23 Andrew Palamos.....	36	do.....	Streator.....	1	1	5		5	Falling coal.....
Nov. 29	Peter Ostrowski.....	21	Driver.....	Oglesby.....				1		Pit cars.....
Dec. 7	William Jasper.....	63	Miner.....	La Salle.....	1	1	6		2	Falling rock.....
	19 John Leake.....	52	do.....	do.....				1		do.....
	28 George Ommar.....	35	Driver.....	Coal City.....	1	1	5		5	do.....
1908										
Mar. 27	John Enrietta.....	45	Miner.....	do.....	1	1	3		3	do.....
June 4	Mike Martis.....	26	Timberman.....	Braceville.....	1	1	1		1	do.....
	18 Joseph Monzze.....	46	Roadman.....	Clarke City.....	1	1	5		5	do.....
	Total—16.....				9	9	42	7	30	

*Recapitulation of Fatal Casualties—First District—1908.*

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Braceville.....	1	Drivers.....	2	Falling coal.....	1	Braceville Coal Co.....	1
Cedar Point.....	3	Miners.....	7	Falling rock.....	10	Big Four Wilm. Coal Co.....	1
Coal City.....	2	Roadmen.....	2	Falling pipe.....	3	C. W. & V. Coal Co.....	1
Clarke City.....	1	Sinkers.....	3	Premature blast.....	1	Clarke City Wilm. Coal Co.....	1
Jonesville.....	1	Timbermen.....	2	Pit cars.....	1	Illinois Zinc Co.....	1
Kangley.....	1					LaSalle C. C. Co.....	8
LaSalle.....	4					Oglesby Coal Co.....	1
Oglesby.....	2					Star Coal Co.....	1
Streator.....	1					Wilm. Star Mining Co.....	1
Total.....	16		16		16		16

## Non-Fatal Casualties—First District—July 1, 1908.

Date.	Name.	Residence. (Town.)	Age.	Married.	Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1907									
July 2	Rudolph Pauliska	Oglesby	20		1			Leg injured, falling rock	30
13	John Trossell	Braidwood	33	1		3		Leg fractured, falling rock	365
20	Frank Kirston	Oglesby	30	1		1		Arm injured, falling rock	31
26	Thos. Rogers	Jonesville	35		1			Jaw fractured, falling rock	160
31	Nic Matiode	So. Wilmington	40	1		3		Foot crushed, falling rock	98
Aug. 1	Geo. Shelton	Marseilles	27	1		2		Back injured, falling rock	35
8	Antony Kasca	Oglesby	28		1			Head and shoulder injured, falling rock	34
12	Joe Vota	So. Wilmington	50	1		7		Back injured, falling rock	56
14	Stany Karlos	Oglesby	23		1			do	34
19	Louis Lissy	So. Wilmington	45	1		6		Leg injured, kicked by mule	49
19	G. Girock	Peru	49	1		4		Back injured, falling rock	178
20	Don Rabufoui	So. Wilmington	30	1		1		Toe broken, falling coal	35
26	Peter Godo	Braceville	16		1			Back injured, falling rock	41
28	Thos. Stewart	Diamond	50	1		1		Leg broken, falling rock	189
31	Andrew Gotch	Streator	31		1	3		Arm broken falling rock	70
Sept. 5	Dan Richie	So. Wilmington	26		1			Ribs broken falling coal	35
7	Paul Kleifeldt	La Salle	40	1		6		Knee injured, pit car	47
11	Joe Brozma	Rockwell	43	1		6		Leg broken, falling coal	150
12	John Sminski	Peru	41	1		5		Leg broken, falling rock	158
13	Patrick Murray	Kangley	35		1			Toe broken, falling rock	30
18	J. E. Phillips	Streator	31		1	5		Foot injured, stepped on nail	135
20	Mike Felos	do	59	1		2		Ribs broken, falling coal	30
21	Andrew Hudak	Kangley	23		1			Knee bruised, falling coal	35
23	Chas. Grease	Oglesby	39		1			Ankle injured, falling rock	74
26	Mike Shiack	La Salle	43	1		3		Back injured, falling rock	83
27	Theo. Lenzi	So. Wilmington	42	1		6		Back injured, falling coal	42
Oct. 4	Don Merlo	do	24		1			Back injured, falling coal	182
7	John Decker	Coal City	58		1			Ribs broke falling rock	90
7	Geo. Filcher	So. Wilmington	29		1			Toe broken, pit car	35
7	Joe Lement	La Salle	40		1			Wrist sprained, railroad car	117
8	Gregor Wozneck	Oglesby	45		1	3		Back bruised, falling rock	38
12	Louis Buchofski	La Salle	33	1		6		Collar bone broken, pit car	58
12	Geo Crook	do	55		1	3		Foot crushed, falling rock	39
14	Herman Hailman	Braidwood	27	1		1		Side injured, falling timber	33
18	James Buckley	Oglesby	40	1		5		Eye injured, sulphur flying from pick	30
19	Anton Boungul	La Salle	35		1			Body injured, falling coal	30
19	Chas. Roback	Braidwood	22	1				Thumb injured, falling coal	30
19	Joe Frasco	So. Wilmington	37	1				Back injured, falling rock	30
23	Felix Lamanewski	Oglesby	33		1			Collar bone broken, falling coal	50
29	Albert Kubiez	Streator	35		1	4		Leg broken, falling coal	140
Nov. 1	Isidor Mewzzi	Clarke City	36	1		1		Foot crushed, falling rock	31
8	John Veoris	Braceville	18		1			do	89
8	Peter Quinn	do	22		1			Hand injured, pit car	33
8	Chas. A. Johnson	do	42		1			Arm broken, falling coal	110
14	Michael Coleser	Kangley	31		1			Stomach injured, pit car	180
20	Ronald Jasholski	La Salle	44	1		1		Leg broken, descending cage	*
20	Joe Kortchok	do	39	1		1		do	*
20	Peter Saboms	do	49	1		4		do	*
20	J. Moeznyak	La Salle	23		1			do	*
20	Joe Tolar	do	25		1			do	*
20	M. Prostinick	do	29		1			Ankle fractured, descending cage	*
20	Paul Delumbrai	Crocketville	29	1				Leg broken, descending cage	*
20	James Girrard	Jonesville	41	1		8		Back injured, descending cage	*
20	Frank Costello	do	42	1		5		Ankle fractured, descending cage	*
20	C. Dejouhed	Crocketville	35	1		5		Spine injured, descending cage	*
22	Robt. Smith	Marseilles	59	1		3		Head injured, falling rock	120
22	Joe Fenoglis	Braceville	39		1			Leg injured, falling rock	46
24	Joe Mozar	Torino	42	1				Finger injured, falling rock	65
30	David Watkins	Braceville	70	1				Leg injured, falling coal	40
Dec. 2	Andrew Vaisis	Oglesby	30		1	1		Leg injured, pit car	34
13	Andrew Knits	Streator	35	1		3		Leg broken, falling coal	103
16	Joe Kitts	Oglesby	45	1		2		Back injured, falling rock	30
16	Faute Ricardo	So. Wilmington	31		1			Foot injured, falling rock	35
18	Frank Bolland	do	23		1			Finger mashed, falling rock	35
18	James Doyle	Streator	36	1		1		Face and hands burned, gas explosion	62

*Non-Fatal Casualties—First District—Concluded.*

Date.	Name.	Age.	Residence. (Town.)	Married. Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1908								
Jan. 17	S. Hitchens.....	58	Oglesby.....	1	.....	1	Leg broken, pit car.....	*
18	R. D. Cablin.....	65	Kangley.....	1	.....	1	Back injured, falling coal.....	40
24	Henry Mengora.....	20	Oglesby.....	1	.....	.....	Legs injured, pit car.....	42
25	Daniel Gruhyke.....	50	Marseilles.....	1	.....	.....	Hand injured, pit car.....	50
Feb. 6	Anton Pasca.....	28	Oglesby.....	1	1	1	Finger injured, falling rock.....	90
11	William Shafer.....	40	Streator.....	1	5	6	Leg broken, falling rock.....	90
12	William Rose.....	47	Oglesby.....	1	.....	.....	Leg injured, falling coal.....	30
15	Louis Galli.....	33	So. Wilmington.....	1	.....	.....	Finger mashed, falling coal.....	35
17	Martin Baker.....	35	Oglesby.....	1	2	3	Leg broken, pit car.....	108
18	Ben Krattife.....	27	Braidwood.....	1	3	4	Arm injured, falling rock.....	60
28	Ed. Marione.....	34	Coal City.....	1	.....	.....	Back injured, falling rock.....	60
Mar. 6	John Sebeck.....	37	Braidwood.....	1	4	6	Ankle injured, falling rock.....	60
7	E. Monteraselle.....	49	So. Wilmington.....	1	.....	1	Back injured, falling rock.....	49
12	Thos. Matthews.....	38	Oglesby.....	1	3	4	Foot injured, falling rock.....	30
20	Andrew Comma.....	45	do.....	1	4	5	do.....	58
21	Dan Gughemno.....	37	So. Wilmintgon.....	1	.....	.....	Leg injured, falling coal.....	35
21	C. Primo.....	18	do.....	1	.....	.....	Hand injured, falling coal.....	35
23	Steve Bazzini.....	28	do.....	1	1	2	Leg injured, falling rock.....	35
24	Mike Beito.....	18	do.....	1	.....	.....	Leg injured, falling coal.....	35
Apr. 7	Angelo Braglio.....	32	Oglesby.....	1	.....	.....	Foot injured, falling rock.....	41
May. 20	John Prigan.....	67	Kangley.....	1	.....	1	Leg injured, falling coal.....	60
29	Andrew Gehofsky.....	35	Streator.....	1	5	6	Foot injured, falling rock.....	60
June 1	Joe Schweigel.....	35	Oglesby.....	1	4	5	do.....	*
	Total.....			52	36	152	200	

\*Not recovered July 1, 1908.

Total number of men injured.....	88
Not recovered July 1, 1908.....	1
Number recovered July 1, 1908.....	75
Time lost by men recovered, days.....	5,234
Average time lost by men recovered, days.....	69.79

## Recapitulation of Non-Fatal Casualties—First District—1908.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Braceville .....	7	Drivers .....	5	Falling coal .....	20	Acme Coal Co. ....	2
Braidwood .....	5	Miners .....	74	Falling rock .....	42	Braceville Coal Co. ....	6
Crocketville .....	2	Roadmen .....	3	Falling timber .....	1	Clark City Wilm. C. Co. ....	1
Coal City .....	2	Timbermen .....	4	Cage .....	10	C. W. & V. Coal Co. ....	23
Clarke City .....	1	Tracklayer .....	1	Flying sulphur .....	1	Illinois Zinc Co. ....	14
Jonesville .....	3	Top laborer .....	1	Gas explosion .....	1	LaSalle C. C. Co. ....	17
Kangley .....	5			Kicked by mule .....	1	Mrs. Coal Co. ....	3
LaSalle .....	12			Pit cars .....	10	M. & H. Zinz Co. ....	1
Marselles .....	3			Railroad cars .....	1	Murphy-Keenan & Co. ....	5
Oglesby .....	19			Stepped on nail .....	1	Oglesby Coal Co. ....	7
Peru .....	2					Star Coal Co. ....	5
Rockwell .....	1					Wilm. Coal M. & Mfg. Co. ....	2
Streator .....	8					Wilm. Star Mining Co. ....	2
Torino .....	1						
So. Wilm. ....	17						
Totals .....	88		88		88		88

*Recapitulation of Non-Fatal Casualties, Nature of Injuries, Conjugal Relations and Time Lost—First District—1908.*

NATURE OF INJURIES.	Number.	Married.	Single.	Children.	Dependents.	TIME LOST-DAYS.		Percentage of injuries.
						Total.	Average.	
Ankles injured.....	4	2	2	9	12	134	67.00	4.55
Arms broken.....	2	1	1	3	4	180	90.00	2.27
Arms injured.....	2	2	.....	4	6	91	45.50	2.27
Backs injured.....	16	11	5	40	51	860	66.15	18.18
Body bruised.....	2	1	1	1	1	63	31.50	2.27
Collarbone broken.....	2	2	.....	6	8	108	54.00	2.27
Eye injured.....	1	1	.....	5	6	30	30.00	1.14
Face and hands burned.....	1	1	.....	1	2	62	62.00	1.14
Feet crushed.....	4	3	1	7	10	257	64.25	4.55
Feet injured.....	7	5	2	21	24	359	59.84	7.94
Fingers mashed.....	5	2	3	1	2	255	51.00	5.68
Hands injured.....	3	.....	3	.....	.....	148	49.33	3.41
Head injured.....	1	1	.....	3	4	120	120.00	1.14
Head and shoulders bruised.....	1	.....	1	.....	.....	34	34.00	1.14
Jaw fractured.....	1	.....	1	.....	.....	160	160.00	1.14
Knee bruised.....	2	1	1	6	7	82	41.00	2.27
Legs broken.....	15	11	4	34	46	1,303	162.87	17.04
Legs injured.....	11	5	6	8	12	436	39.64	12.50
Ribs broken.....	3	1	2	2	3	155	51.66	3.41
Stomach injured.....	1	1	.....	.....	1	180	180.00	1.19
Toes broken.....	3	1	2	1	1	100	33.33	3.41
Wrists sprained.....	1	.....	1	.....	.....	117	117.00	1.14
Totals, averages and percentages.....	88	52	36	152	200	5,234	69.79	100.00

## Grundy County—First District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run	Lump	Other grades.	Total.
SHIPPING MINES.						
1	Chicago, Wilm. & Ver. Coal Co. No. 2.....	So. Wilmington.....	154,787	61,229	216,016	
2	Braceville Coal Co. No. 6.....	Braceville.....	163,960	45,782	209,742	
3	Chicago, Wilm. & Ver. Coal Co. No. 1.....	So. Wilmington.....	147,821	60,496	208,317	
4	Big Four Wilm. Coal Co. No. 6.....	Carbon Hill.....	113,863	32,188	146,051	
5	Big Four Wilm. Coal Co. No. 5.....	do.....	84,213	35,805	120,018	
6	Wilm. Star Mining Co. No. 6.....	Coal City.....	60,360	45,887	106,247	
7	Big Four Wilm. Coal Co. No. 3.....	Carbon Hill.....	52,520	26,213	78,733	
8	Wilm. Star Mining Co. No. 7.....	Coal City.....	26,891	26,958	53,849	
9	Wilm. Star Mining Co. No. 5.....	do.....	4,426	3,525	7,951	
Totals.....			163,960	644,881	338,083	1,146,924
LOCAL MINES.						
1	Braidwood Wilmington Coal Co.....	Braceville.....	5,700	300	6,000	
2	Byrnes & Fleming.....	Morris.....	3,000	50	3,050	
3	William Mitchell.....	do.....	3,000	50	3,050	
4	Wood Coal Co.....	do.....	2,700	150	2,850	
5	James Heather.....	do.....	2,500	100	2,600	
6	Heather & Clayton.....	do.....	2,100	318	2,418	
7	Frank Gilbride.....	do.....	1,840	100	1,940	
8	James Bell.....	do.....	1,600	300	1,900	
9	John Mitchell.....	do.....	1,200	300	1,500	
10	J. H. Cryer.....	do.....	1,200	50	1,250	
11	Henry Tisdall.....	do.....	900	100	1,000	
Totals.....			25,740	1,818	27,558	
Totals—20 mines.....			163,960	670,621	339,901	1,174,482

Mines reported for 1907, 22.

New mines, 1

Abandoned mines, 3.

Mines in 1908, 20.



Grundy County—First District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—from solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employ'cs.	Total.		Killed.	Injured.				
\$322,200	193,742	22,274	240	317	101	418	216,016	.....	10	.....	U. C. . . .	W. . . .	1
273,410	195,888	13,854	254	338	108	446	209,742	.....	6	2,400	Both. . . .	W. . . .	2
310,682	190,516	17,801	232	298	87	385	208,317	.....	7	.....	U. C. . . .	W. . . .	3
201,112	140,278	5,773	259	268	68	336	146,051	.....	1	.....	.do. . . .	Pneu. . . .	4
165,265	109,879	10,139	265	211	60	271	120,018	.....	.....	900	Both. . . .	Pneu. . . .	5
148,745	102,157	4,090	238	151	78	229	106,247	.....	1	1,491	.do. . . .	St. W. . .	6
108,415	74,273	4,460	244	157	46	203	78,733	.....	.....	700	.do. . . .	W. . . .	7
75,389	51,728	2,121	258	73	37	110	53,849	.....	.....	1,364	.do. . . .	St. W. . .	8
11,131	6,006	1,945	145	19	21	40	7,951	.....	1	71	.do. . . .	.do. . . .	9
<b>\$1,616,349</b>	<b>1,064,467</b>	<b>82,457</b>	<b>237</b>	<b>1,832</b>	<b>606</b>	<b>2,438</b>	<b>1,146,924</b>	<b>.....</b>	<b>3</b>	<b>25</b>	<b>6,946</b>		
\$12,000	.....	6,000	200	10	2	12	6,000	.....	.....	.....	.....	Wire. . . .	1
8,328	.....	3,050	250	9	1	10	3,050	.....	.....	.....	.....	.do. . . .	2
8,328	.....	3,050	270	9	1	10	3,050	.....	.....	.....	.....	.do. . . .	3
7,247	.....	2,850	230	10	1	11	2,850	.....	.....	.....	.....	.do. . . .	4
6,877	.....	2,600	240	10	1	11	2,600	.....	.....	.....	.....	.do. . . .	5
6,209	.....	2,418	225	8	2	10	2,418	.....	.....	.....	.....	.do. . . .	6
5,060	.....	1,940	202	8	2	10	1,940	.....	.....	.....	.....	.do. . . .	7
4,700	.....	1,900	220	7	1	8	1,900	.....	.....	.....	.....	.do. . . .	8
3,705	.....	1,500	260	6	1	7	1,500	.....	.....	.....	.....	.do. . . .	9
3,378	.....	1,250	175	6	1	7	1,250	.....	.....	.....	.....	.do. . . .	10
2,477	.....	1,000	265	5	1	6	1,000	.....	.....	.....	.....	.do. . . .	11
<b>\$68,429</b>	<b>.....</b>	<b>27,558</b>	<b>222</b>	<b>88</b>	<b>14</b>	<b>102</b>	<b>27,558</b>	<b>.....</b>	<b>.....</b>	<b>.....</b>	<b>.....</b>		
<b>\$1,684,778</b>	<b>1,064,467</b>	<b>110,015</b>	<b>.....</b>	<b>1,920</b>	<b>620</b>	<b>2,540</b>	<b>1,174,482</b>	<b>.....</b>	<b>3</b>	<b>25</b>	<b>6,946</b>		

*Kankakee County—First District—1908.*

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Clarke City Wilmington Coal Co.....	Clarke City.....	2,045	10,116	5,640	17,801

Mines reported for 1907, 1.  
Mines in 1908, 1.

*Kankakee County—First District—Concluded.*

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$26,701	14,917	2,884	227	25	27	52	17,801	1	1	639	Solid . . .	Wire.	1

## LaSalle County—First District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Oglesby Coal Co. No. 1	Oglesby	10,233	140,127	52,421	202,781
2	La Salle County Carbon Coal Co. No. 1	La Salle	1,408	109,897	82,817	194,122
3	Chicago, Wilm. & Ver. Coal Co. No. 2	Streator		77,894	81,658	159,552
4	La Salle C. C. Co. Union	La Salle	890	70,645	74,274	145,809
5	Acme Coal Co. Acme	Streator		71,299	70,562	141,861
6	La Salle C. C. Co. La Salle	La Salle	17,974	45,151	43,723	106,848
7	La Salle C. C. Co. Rockwell	do	5,939	39,901	44,478	90,318
8	La Salle C. C. Co. No. 5	do	21,771	37,707	23,931	83,409
9	James Cahill Estate No. 1	Peru		58,176	8,346	66,522
10	Star Coal Co. No. 5	Kangley	1,006	40,529	19,153	60,688
11	Illinois Zinc Co. No. 1	Peru	58,435			58,435
12	Mrs. E. Hakes No. 2	Rutland	17,924	24,744	6,904	49,572
13	Star Coal Co. No. 4	Kangley		28,358	11,103	39,461
14	Howe Coal Co. No. 1	Streator	2,351	22,281	9,902	3,534
15	Chicago, Wilm. & Ver. Coal Co. No. 3	do	6,774	1,832	1,077	9,683
16	William Francis & Co. No. 1	do		2,561	1,250	3,811
Totals			144,705	771,102	531,599	1,447,406
LOCAL MINES.						
1	Matthisen & Hegeler Zink Co. M. & H. Z.	La Salle	125,912			125,912
2	Manufacturers Coal Co. No. 1	Marseilles	29,681			29,681
3	William Dawson No. 1	Deer Park	5,456			5,456
4	Nelson & Stokes	Streator		3,000	1,000	4,000
5	Harrison Coal Co. No. 4	do		1,625	875	2,500
6	Streator Fuel Co. No. 1	do		1,600	900	2,500
7	Chas. Hendy	Ottawa	750	700	50	1,500
8	Oscar Kimes	Streator	251	839	344	1,434
9	Joseph Warnock	Lowell		700	300	1,000
10	William Bottomley	do	797			797
11	Jerry Pratt	do		600	70	670
12	George Steele	Ottawa	280	280	40	600
13	Adam Crompton	do	300	250	50	600
14	Joseph Starkey	Wilsman		400	100	500
15	Spencer Coal Co.	Marseilles		325	75	400
16	Brooker Bros.	Lowell	325			325
17	Chas. Hepp	Ottawa	300			300
18	James McCullough	do		250	50	300
19	Lowell Pottery Co.	Lowell	300			300
20	John McNeil	Kangley		220	80	300
21	William Mertz	Ottawa		220	30	250
22	Kelly & Gudge.	Lowell	200			200
Totals			164,552	11,009	3,964	179,525
Totals—38 mines			309,257	782,111	535,563	1,626,931

Mines reported for 1907, 39.

New mines, 5.

Abandoned mines, 6.

Mines in 1908, 38.

LaSalle County—First District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From sold or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$230,875	187,442	15,339	256	272	122	394	202,781	1	7		U. C.	E.	1
322,456	184,750	9,372	234	290	129	419	194,122	2	10		do.	W.	2
208,995	142,628	16,924	222	250	84	334	159,552	1	6		do.	do.	3
247,685	86,304	59,505	245	224	100	324	145,809	1	11		do.	do.	4
175,000	99,039	42,822	230	228	79	307	141,861		2	1,892	do.	Pneu.	5
184,468	45,147	61,701	237	182	105	287	106,848	2		5	U. C.	W.	6
149,905	84,862	5,456	222	157	82	239	90,318		2	11	do.	do.	7
120,599	73,837	9,572	250	158	108	266	83,409	3	1	1,678	Both.	E.	8
106,435	27,234	39,288	229	114	49	163	66,522				U. C.	W.	9
88,200	57,848	2,840	230	109	31	140	60,688			2	B. S.	do.	10
87,653	56,380	2,055	305	94	66	160	58,435	1	14	2,206	Both.	E.	11
84,007	23,230	26,342	184	88	42	130	49,572				do.	do.	12
56,500	36,245	3,216	216	77	25	102	39,461	1	3	150	do.	W.	13
56,974	16,737	17,797	206	42	21	63	34,534				do.	do.	14
12,680	7,480	2,203	72	70	25	95	9,683				U. C.	do.	15
6,372	80	3,731	200	10	2	12	3,811			104	Both.	do.	16
<b>\$2,238,804</b>	<b>1,129,243</b>	<b>318,163</b>	<b>221</b>	<b>2,365</b>	<b>1,070</b>	<b>3,435</b>	<b>1,447,406</b>	<b>12</b>	<b>54</b>	<b>10,133</b>			
\$157,389		125,912	219	73	33	106	125,912		1	4,464	Solid	W.	1
59,362		29,681	240	65	32	97	29,681			250	U. C.	do.	2
8,174		5,456	241	8	8	16	5,456				do.	do.	3
7,000		4,000	200	6	2	8	4,000				do.	do.	4
3,500		2,500	200	10	3	13	2,500			40	do.	do.	5
3,500		2,500	280	6	4	10	2,500			50	do.	do.	6
2,600		1,500	285	6	1	7	1,500				do.	do.	7
2,313		1,434	180	8	1	9	1,434			60	do.	W.	8
1,700		1,000	175	6	1	7	1,000				do.	do.	9
1,594		797	200	3		3	797			25	do.	do.	10
1,400		670	240	3		3	670			10	do.	do.	11
1,230		600	170	5		5	600			20	do.	do.	12
1,138		600	160	2		2	600			15	do.	do.	13
900		500	225	3		3	500			12	do.	do.	14
775		400	150	4	1	5	400			6	do.	W.	15
487		325	175	3		3	325			6	do.	do.	16
600		300	180	2		2	300			5	do.	do.	17
674		300	160	2		2	300			4	do.	do.	18
600		300	180	2		2	300			8	do.	do.	19
520		300	150	2		2	300			10	do.	do.	20
532		250	190	2		2	250				do.	do.	21
400		200	120	2		2	200				do.	do.	22
<b>\$256,388</b>	<b>179,525</b>	<b>196</b>	<b>223</b>	<b>86</b>	<b>309</b>	<b>179,525</b>	<b>179,525</b>	<b>1</b>	<b>1</b>	<b>4,985</b>			
<b>\$2,495,192</b>	<b>1,129,243</b>	<b>497,688</b>	<b>.....</b>	<b>2,588</b>	<b>1,156</b>	<b>3,744</b>	<b>1,626,934</b>	<b>12</b>	<b>55</b>	<b>15,118</b>			

## Will County—First District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Wilm. Coal Mning & Mfg. Co. No. 6.....	Torino.....	1,661	55,332	12,086	67,418
2	Murphy Keenan & Co. No. 3.....	Braidwood.....	1,416	41,000	17,595	60,256
3	Joliet-Wilmington Coal Co. No. 2.....	do.....		20,201	7,223	28,840
	Totals.....		3,077	116,533	36,904	156,514
LOCAL MINE.						
1	John O'Connor & Co.....	Braidwood.....		3,500	1,000	4,500
	Totals—4 mines.....		3,077	120,033	37,904	161,014

Will County—First District—Concluded.

Aggregate value of total product	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$94,385	62,036	5,382	264	135	52	187	67,418	.....	2	.....	U. C....	W.....	1
90,484	53,087	7,169	203	104	46	150	60,256	.....	5	.....	..do....	..do..	2
47,210	25,890	2,950	207	86	31	117	28,840	.....	.....	.....	..do....	..do..	3
<u>\$232,079</u>	<u>141,013</u>	<u>15,501</u>	<u>225</u>	<u>325</u>	<u>129</u>	<u>454</u>	<u>156,514</u>	<u>.....</u>	<u>7</u>	<u>.....</u>			
\$9,050	.....	4,500	180	8	2	10	4,500	.....	.....	.....	U. C....	W....	1
<u>\$241,129</u>	<u>141,013</u>	<u>19,501</u>	<u>180</u>	<u>333</u>	<u>131</u>	<u>464</u>	<u>161,014</u>	<u>.....</u>	<u>7</u>	<u>.....</u>			

## Shipping Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Grundy.....	9	163,960	644,881	1,150	25,184	293,562	18,187	1,146,924	\$1.41
Kankakee.....	1	2,045	10,116	.....	1,474	4,166	.....	17,801	1.50
LaSalle.....	16	144,705	771,102	202,232	11,988	281,559	35,820	1,447,406	1.549
Will.....	3	3,077	116,533	.....	5,791	24,613	6,500	156,514	1.482
Total.....	29	313,787	1,542,632	203,382	44,437	603,900	60,507	2,768,645	\$1.472

## Local Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Grundy.....	11	.....	25,740	.....	.....	1,818	.....	27,558	\$2.483
LaSalle.....	22	164,552	11,009	.....	.....	3,964	.....	179,525	1.428
Will.....	1	.....	3,500	.....	.....	1,000	.....	4,500	2.01
Total.....	34	164,552	40,249	.....	.....	6,782	.....	211,583	\$1.578
Grand total.....	63	478,339	1,582,881	203,382	44,437	610,682	60,507	2,980,228	\$1.58

Whole number of mines reported in 1907, 67.  
 Number of mines opened during the year, 6.  
 Number of mines abandoned during the year, 10.  
 Whole number of mines reported for 1905, 63.



Counties—First District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.						Tons mines—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.	From solid—Tons.			Undercut—Tons.	Both methods—Tons.	
			Miners.	Others.	Boys.								
1,064,467	82,457	237	1,832	407	45	154	2,438	1,146,924	6,946	.....	570,384	576,540	
14,917	2,884	227	25	15	3	9	52	17,801	639	17,801	.....	.....	
1,129,243	318,163	221	2,365	629	78	263	3,435	1,447,406	10,133	60,688	91,117,494	269,224	
141,013	15,501	225	325	74	15	40	454	156,514	.....	.....	156,514	.....	
2,349,640	419,005	227	4,547	1,125	141	566	6,379	2,768,645	17,718	78,489	1,844,392	845,764	

Counties—First District—1908.

DISPOSITION OF OUTPUT—TONS		Days of active operation.	EMPLOYES.						Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.	From solid—Tons.			Undercut—Tons.	Both methods—Tons.	
			Miners.	Others.	Boys.								
.....	27,558	222	88	.....	.....	14	102	27,558	.....	.....	.....	.....	
.....	179,525	196	223	50	5	31	309	179,525	4,985	125,912	3,968	.....	
.....	4,500	180	8	.....	.....	2	10	4,500	.....	.....	.....	.....	
.....	211,583	207	319	50	5	47	421	211,583	4,985	125,912	3,968	.....	
2,349,640	630,588	.....	4,866	1,175	146	613	6,800	2,980,228	22,703	204,401	1,848,360	845,764	

## SECOND INSPECTION DISTRICT--1908.

### THIRD ANNUAL REPORT.

COUNTIES: BUREAU, HENRY, KNOX, MERCER, ROCK ISLAND, WARREN.

*Hon. David Ross, Secretary State Bureau of Labor Statistics, Springfield, Ill.:*

SIR—In accordance with section 12 of an Act of the General Assembly of the State of Illinois, defining the duties of State Inspectors of Mines, and providing for the better preservation of the health and safety of all persons employed therein, I have the honor of submitting the twenty-fifth annual report of the second inspection district, and the third annual report of the district, as now formed, comprising the coal producing counties of Bureau, Henry, Knox, Mercer, Rock Island and Warren.

The tabular information contained in this report gives all the usual statistics in regard to the number of persons employed in the different branches of the coal industry; the number of mines of both classes, shipping and local; the depths of the shafts and slopes; the thickness of the various seams of coal and their geological nature; the quantity of powder consumed in blasting coal, and for other mining operations; the number of accidents; the amount of coal produced of the various grades, with averages, ratios and percentages, and such other information as is usually contained in a report of this character.

The following summary for the second district, for the year ending June 30, 1908, is presented:

Number of shipping mines.....	15
Number of mines in local trade only.....	116
Total number of mines.....	131
Number of miners employed.....	4,198
Number of other employés underground.....	1,000
Number of boys employed underground.....	144
Number of employés engaged on the surface.....	460
Total number of employés.....	5,802
Number of kegs of powder consumed for all purposes.....	42,943
Tons of lump coal produced.....	1,657,438
Tons of all other grades combined.....	716,497
Total product in tons of 2000 pounds.....	2,373,935
Tons shipped on R. R. cars, at the mines.....	1,974,102
Tons sold to local trade.....	257,262
Tons supplied to locomotives at the mines.....	28,677
Tons consumed for steam and heating purposes at mines.....	113,894
Number of fatal accidents.....	6
Number of non-fatal accidents.....	102
Total number of accidents, both classes.....	108
Number of employés to each fatal accident.....	967
Number of employés to each non-fatal accident.....	57
Tons of coal produced to each fatal accident.....	395,656
Tons of coal produced to each non-fatal accident.....	23,274
Tons of coal produced to each miner employed.....	565
Tons of coal produced to each employé, all classes.....	409
Number of counties producing coal in second inspection district.....	6
Ratio of fatal accidents per 1000 persons employed.....	1

## COMPARATIVE TABLES.

The following shows the product in tons in the six coal producing counties in the second district for the years ending June 30, 1907 and 1908, with the increase and decrease:

COUNTIES.	TOTAL PRODUCT OF ALL GRADES OF COAL IN TONS.		Increase.	Decrease.
	1907	1908		
Bureau.....	1,891,900	1,688,528		203,372
Henry.....	173,587	147,482		26,105
Knox.....	42,668	44,070	1,402	
Mercer.....	458,472	419,448		39,024
Rock Island.....	66,513	62,961		3,552
Warren.....	14,110	11,446		2,664
Totals.....	2,647,250	2,373,935	1,402	274,717
Net decrease.....				273,315

From the foregoing table it will be seen that the county of Knox is the only one to show an increase over the year previous, and that increase only 1,402 tons, while the counties of Bureau, Henry, Mercer, Rock Island and Warren combined show a decrease of 274,717 tons, the net decrease for the district being 273,315 tons.

The year ending June 30, 1908, has been an extremely dull one for the coal trade, so far as the second district is concerned; the depression commenced with the financial troubles of last fall and winter and has been persistently kept up to the present time, with nothing particularly encouraging to look forward to for the future.

## NEW AND ABANDONED MINES.

Only one mine of the shipping class has gone into operation during the year; this is the Atlas Coal Company's shaft No. 4, located at Galva, Henry county. This mine went into active operation Sept. 1, 1907; it has switch connections with the Chicago, Rock Island & Pacific railroad.

The Kewanee Coal Company's shaft No. 1, located at Kewanee, Henry county, has been worked out and was abandoned Oct. 25, 1907.

## IMPROVEMENTS.

Many improvements have been made at the larger mines during the year, despite the depression in trade and the hard times. Probably the most costly and efficient is the putting in of a Capel ventilating fan, installed by the St. Paul Coal Company at its No. 2 mine, Cherry, Bureau county. This fan is 16 feet in diameter and 6½ feet wide; when running at 180 revolutions per minute, it passes 180,000 cubic feet of air per minute, and gives about 6 inches of water gauge. This company is at present operating what is known as the middle or second vein, but are now engaged in opening up the third vein or seam No. 2 of the geological section.

## FATAL ACCIDENTS.

The following is a detailed report of the fatal accidents occurring in the second district during the year ending June 30, 1908:

Sept. 20, 1907, Clement Rouro, miner, aged 34 years, married, had his back severely injured by falling roof at the face of his working place in shaft No. 2, operated by the Spring Valley Coal Company, Spring Valley, Bureau county. He was taken to the hospital and later to his home in Spring Valley, where he died from the injuries April 20, 1908, seven months after the accident. Deceased was sitting and talking with his partner at the "road-head" of his room when a mass of roof suddenly fell from the "brushing face," striking him on the back and shoulders with the result as stated. He leaves a widow and one child.

Oct. 14, 1907, Victor Aitutis, miner, aged 22 years, single, was struck on the back of the head, breaking his neck, by falling roof at the face of his working place in the Marquette Coal Mining Company's mine at Marquette, Bureau county. He died from the injuries received about fifteen minutes after being removed from the mine. Deceased was working with a partner and was in the act of taking down a break of coal but did not observe that a layer of the roof above the coal was loose; when the coal fell the roof came with it, a piece of which projecting over and beyond the coal struck him on the back of the head, breaking his neck and causing his death as stated.

Jan. 16, 1908, Ben Grosso, miner and extra driver, aged 19 years, single, was killed instantly by being crushed between loaded pit cars and the side of the entry in the No. 3 mine of the Spring Valley Coal Company, Spring Valley, Bureau county. Deceased was engaged as an extra driver at the time of the accident. The day of the accident he was driving a mule in the 13th north, off the main west entry; he was longer in coming to the parting with his loaded trip than usual; another driver who was waiting at the parting for him to come out went inside to look for him; this driver found the mule and trip of two loaded pit cars, and a short distance beyond found the body of Grosso lying partially on the track, dead. There were no witnesses to the accident, and it can only be assumed that he fell, or was knocked from his seat on the loaded pit car, and caught between the cars and side of the entry.

Feb. 24, 1908, Hubert Morris, driver, aged 22 years, single, was killed instantly by being crushed under a trip of two loaded pit cars in the No. 5 mine of the Spring Valley Coal Company, located at Dalzell, Bureau county. The facts as to just how this accident occurred are quite hard to determine, as no one was present at the time. Deceased was coming down a slight gradient with two loaded pit cars, riding on the front of the first car, according to custom; and the most reasonable theory is, that he lost his balance and fell in front of the rapidly moving cars. He was found under the first car shortly afterwards and was dead when found.

March 6, 1908, Anton Cira, miner, aged 26 years, married, was killed instantly by falling roof at the face of his working room in mine No. 2 of the St. Paul Coal Company, located at Cherry, Bureau county. Deceased and his partner were at work in a room when a large mass of roof suddenly fell, part of which struck Cira on the back of the head, crushing him to the floor of the mine. The mass of roof that fell was about 15 feet long, 10 feet wide, with an average thickness of about 10 inches; it was nearly 2 feet thick at the smooth or slip on one side, running out to a feather edge at the other. The room in which the accident occurred was fairly well timbered, props were standing about 6 feet from the coal face on the right hand side of the room and about 10 feet on the left. He leaves a widow and one child.

June 23, 1908, Thomas White, miner, aged 28 years, married, was killed instantly by being struck on the head by a heavy fall of roof at the face of his working place in the No. 2 mine operated by the St. Paul Coal Company at Cherry, Bureau county. Deceased was an experienced miner. He

was employed in driving the 8th south entry in the mine, and was in the act of building up a loaded car with lumps of coal, when suddenly a large mass of roof fell, striking him on the head and crushing him against the side of the pit car. He had been notified of the dangerous condition of the roof by the assistant mine manager about an hour previous to the accident, but had evidently neglected to make it safe at the proper time. He leaves a widow and three children.

In addition to the above, I have thought it proper to report that Bernard O'Dowd, a miner, aged 55 years, married, leaving a widow and three children, died of heart failure at the face of his working place in mine No. 2 operated by the Spring Valley Coal Company at Spring Valley, Aug. 10, 1907, and is not reported as an accident.

Also that John Stought, injured in the Kewanee Coal Company's shaft No. 1 at Kewanee, July 31, 1906, and reported in 1907, died as a probable result of his injuries April 19, 1908. These cases have not been included in the ratios submitted.

Following are the usual tables for each county in the second district.

Respectfully submitted,

THOS. HUDSON,

*State Inspector of Mines, Second District, Galva, Ill.*

*Fatal Casualties—Second District—July 1, 1908.*

Date.	Name.	Age.	Occupation.	Residence (Town.)	Married.	Widows.	Children.	Single Persons dependent.	Cause of accident.
1907									
Sept. 20	Clement Fouro	34	Miner	Spring Valley	1	1	1	2	Falling roof
Oct. 14	Victor Aitatis	22	do	do			1		do
1908									
Jan. 16	Ben. Grosso	19	Driver	do			1		Pit cars
Feb. 24	Hubert Morris	22	do	do			1		do
Mar. 6	Anton Cira	36	Miner	Cherry	1	1	3	2	Falling roof
June 23	Thos. White	28	do	do	1	1	3	4	do
	Totals—6				3	3	5	3	8

*Recapitulation of Fatal Accidents—Second District—1908.*

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Cherry	2	Drivers	2	Pit car	2	Marquette Coal Co.	1
Spring Valley	4	Miners	4	Pit car	2	St. Paul Coal Co.	2
				Falling roof	4	Spring Valley Coal Co.	3
Totals	6		6		6		6

Non-Fatal Casualties—Second District—July 1, 1908.

Date.	Name.	Age.	Residence. (Town.)	Married.	Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1907									
July	17 Joseph Whitehall	43	Spring Valley	1			1	Hand injured, pit car	90
	24 Vincent Fallero	29	Seatonville	1				Knee broken, falling roof	*
	29 W. J. Handley	25	Cable	1				Collar bone broken, falling coal	37
Aug.	2 Mike Duto	32	Spring Valley	1				Leg broken, falling roof	90
	9 Paul Lucas	45	do.	1		4	5	Finger cut off, pit car	42
	12 Chas. Manning	26	Cherry	1				Foot injured, pit car	60
	17 Fred. Dallaqua	52	Spring Valley	1				Thumb crushed, pit car	119
	26 Jacko Veroaki	29	do.	1		1	2	Foot bruised, falling roof	35
	30 A. M. Swanson	48	Sherrard	1		3	4	Back injured, falling roof	33
Sept.	9 F. A. Palm	56	Galva	1				1 Leg broken, falling coal	90
	10 Joe Bartolomare	32	Spring Valley	1		2	3	Thumb injured, falling roof	37
	16 Anton Melos	26	Cherry	1				Back injured, falling roof	50
	17 Wm. Le Beau	52	Spring Valley	1		3	4	Foot bruised, falling coal	30
	19 Mike Zeakutcia	42	Cherry	1		6	7	Finger crushed, pit car	40
	20 Louis Viano	38	Spring Valley	1				Foot bruised, falling roof	31
	30 Fautia Dautia	30	Ladd	1		2	3	Leg injured, pit car	43
Oct.	3 August Wayne	45	Spring Valley	1		7	8	Foot injured, falling coal	94
	5 John Hopkins	17	Ladd	1				Foot injured, pit car	48
	5 Camelia Ferrard	40	Cherry	1		3	4	Back injured, falling roof	270
	8 Wm. Hooten	33	Kewanee	1				Face burned, powder exploding	55
	9 John Paul	53	do.	1		2	3	Back injured, falling roof	*
	14 Frank Bafora	18	Spring Valley	1				Finger injured, falling coal	60
	15 Peter Digirolauns	23	do.	1				Foot injured, falling rock	42
	17 A. Leveduski	17	do.	1				Finger mashed, pit car	42
	19 John Cavalli	34	Dalzell	1				Foot injured, falling coal	42
	19 Louis Casolaria	25	Seatonville	1			1	Toes broken, falling coal	30
	28 John Plaser	37	Dalzell	1				1 Arm broken, pit car	67
	28 N. P. Hogman	72	Cable	1				1 Back injured, pit car	*
	29 Geo. McWilliams, Jr.	43	Coal Valley	1		2	3	Body injured, falling coal	80
Nov.	6 Leonard Barnes	43	Spring Valley	1				Fingers crushed, falling coal	59
	11 Vardi Gildo	21	do.	1				Foot bruised, falling coal	30
	12 John Johnson	35	do.	1				Foot injured, falling clod	30
	18 Chas. Doxie	17	Sherrard	1				Ankle injured, pit car	43
	20 Anton Stank	32	Spring Valley	1		4	5	Leg injured, cage	50
	21 Martin Powlack	24	do.	1				Foot bruised, falling coal	30
	30 Joe Killippi	28	do.	1		1	2	Ankle injured, falling roof	74
	30 Mike McFadden	24	do.	1				Foot injured, pit car	46
Dec.	2 Marrin Sanoff	23	do.	1				Head cut, falling roof	45
	2 Joe Raczkouski	43	Seatonville	1		3	4	Back injured falling roof	*
	3 George Grear	49	Cable	1		3	4	Leg injured, falling roof	48
	6 John Goller	37	do.	1		2	3	Head injured, falling roof	166
	9 M. Massini	26	do.	1				Leg fractured, pit car	30
	11 John Mussato	28	Seatonville	1				Toe broken, falling roof	37
	12 James Volinte	52	Spring Valley	1		2	3	Legs (both) broken, caught in transfer" on surface	*
	12 F. Sisto	26	Cherry	1				Ribs broken falling roof	43
	13 Gust. Krapp	53	Coal Valley	1		3	4	Ribs broken, falling roof	40
	13 James Clark	35	Cable	1			8	Ankle injured, falling coal	32
	16 Chas. Herkobb	46	Spring Valley	1		1	2	Leg broken, falling coal	90
	18 James Rowe	26	Sherrard	1		2	3	Ankle injured, pit car	40
	19 N. Antellia	25	Dalzell	1				Foot injured, falling coal	30
	23 Ignot Connetti	28	Spring Valley	1				Leg injured, falling coal	52
	24 Chas. Workus	33	Seatonville	1				Head injured, falling coal	30
	27 John Simpson	21	Dalzell	1				Arm injured, falling coal	30
1908									
Jan.	2 P. A. Anderson	56	Sherrard	1		1	2	Ankle injured, falling roof	41
	3 Leo Arnold	47	Seatonville	1				Back injured, falling roof	*
	10 Homer Harris	17	Sherrard	1				Foot injured, falling roof	50
	11 John Schwarting	21	Spring Valley	1				Leg injured, pit car	50
	17 A. L. Grear	46	Cable	1				Leg broken, falling roof	90
	23 E. Floria	32	Ladd	1				Toes injured, falling rock	90
	24 Anton Mazenta	18	Spring Valley	1				Hand injured, pit car	35
	30 Ferrari Grigori	29	Seatonville	1		1	2	Body injured, falling roof	104
	31 Frank Seneski	35	Spring Valley	1		4	5	Body bruised, falling coal	51
Feb.	3 August Ladin	30	do.	1			1	Hand bruised, falling roof	51
	3 Barney Harmon	17	do.	1				Hand injured, pit car	30
	6 Joseph Rojery	19	Dalzell	1				Back injured, falling rock	30
	8 John Bruris	26	Spring Valley	1				Back injured, falling roof	39

## Non-Fatal Casualties—Second District—Concluded.

Date.	Name.	Residence. (Town.)	Age.	Married.	Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1908									
Feb. 11	Thos. Richards.....	19 Spring Valley.....		1				Leg broken, pit car.....	125
11	J. Carps.....	42 Marquette.....		1				Ankle injured, falling roof.....	40
12	Joseph Yerley.....	21 Spring Valley.....		1	1	2		Leg injured, pit car.....	30
13	Jas. Carson, Jr.....	26 Marquette.....		1				Leg broken, pit car.....	115
13	John Meyeronski.....	22 Gilchrist.....		1				Leg broken, pit car.....	*
14	V. Chernovich.....	36 Marquette.....		1	3	4		Back injured, falling roof.....	120
15	J. J. Cox.....	58 Sherrard.....		1	6	7		Back injured, falling roof.....	58
18	John Farlo.....	29 Cherry.....		1				Eye injured, flying coal from pick.....	82
22	Reinert Paulsen.....	68 Spring Valley.....		1				Eye injured, flying coal.....	37
23	Vincent Bertotli.....	24 Seatonville.....		1				Wrist injured, falling coal.....	30
25	Thos. Baxter.....	22 Spring Valley.....		1	1	2		Back injured, pit car.....	*
26	Joe Ambrose.....	26 do.....		1				Ankle bruised, pit car.....	30
26	Simon Kelly.....	77 do.....		1			1	Body bruised, falling coal from wagon.....	30
Mar. 2	Alfred Manuel.....	24 Roseville.....		1	3	4		Ribs broken, falling roof.....	56
3	John Venson.....	34 Marquette.....		1	2	3		Arm bruised, coal falling down shaft.....	30
13	Eurus Mazine.....	29 Spring Valley.....		1				Foot crushed, falling roof.....	66
13	A. Musserella.....	35 do.....		1				Hand injured, falling roof.....	*
14	Thos. Bottomley.....	51 do.....		1	3	4		Leg injured, falling coal.....	65
14	Martin Carso.....	40 Cherry.....		1	3	4		Arms burned, premature blast.....	56
16	Peter McCrudden.....	46 do.....		1	5	5		Foot injured, falling roof.....	60
16	S. Johnson.....	26 do.....		1				Leg injured, pit car.....	50
17	Joe Rolando.....	29 Dalzell.....		1	3	4		Back bruised, falling roof.....	30
18	Frank Patten.....	17 Spring Valley.....		1				Foot crushed, pit car.....	*
20	Paul Carboni.....	30 Dalzell.....		1				Hand bruised, falling roof.....	30
20	Uinton Gundolfi.....	17 Seatonville.....		1				Hand bruised, falling roof.....	55
21	D. Giocomelli.....	32 Spring Valley.....		1				Head injured, falling coal.....	60
21	Peter Strand.....	53 Galva.....		1	2	3		Leg broken, falling coal.....	85
28	R. Pasquali.....	24 Spring Valley.....		1				Hand injured, falling coal.....	30
28	Joe Baltruchites.....	43 do.....		1	4	5		Ankle injured, falling coal.....	48
Apr. 21	Wm. Boyd.....	52 Kewanee.....		1	3	4		Ankle injured, falling roof.....	*
May. 19	Anton Anlinskas.....	30 Kewanee.....		1				Face and arms burned, powder explosion.....	*
22	A Karvania.....	35 Cherry.....		1	2	3		Wrist injured, falling roof.....	34
June 9	George Gear.....	50 Cable.....		1	3	4		Fingers injured, falling coal.....	45
19	L. Nucouski.....	26 Ladd.....		1	4	5		Leg broken, falling coal.....	*
26	Arthur Esp.....	24 Gilchrist.....		1	2	3		Ankle bruised, pit car.....	*
29	John Barr.....	41 Spring Valley.....		1	3	4		Back sprained, lifting test wts..	*
Totals.....				56	46	123	172		

\*Not recovered July 1, 1908.

Total number of men injured.....	102
Not recovered July 1, 1908.....	15
Number recovered July 1, 1908.....	87
Total time lost by men recovered, days.....	4,880
Average time lost by men recovered, days.....	56.09



Recapitulation of Non-Fatal Accidents—Second District—1908.

Residence.	No	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Cable.....	6	Cagers.....	1	Cage.....	1	Coal Valley Mining Co.....	12
Cherry.....	10	Drivers.....	16	Falling coal.....	28	Empire Coal Co.....	2
Coal Valley.....	2	Laborers.....	9	Falling roof, etc.....	40	Herdien Coal Co.....	2
Dalzell.....	7	Miners.....	69	Flying coal.....	2	Illinois 3d Vein Coal Co.....	4
Galva.....	2	Operator.....	1	Lifting weight.....	1	Kewanee Coal Co.....	4
Giechrist.....	2	Spragger.....	3	Pit cars.....	26	Manuel & Walling Ford.....	1
Kewanee.....	4	Timberman.....	1	Powder explosion.....	2	Marquette 3d Vein C. Co.....	4
Ladd.....	4	Track layer.....	1	Premature blasts.....	1	Fryce & Son.....	1
Marquette.....	4	Trupper.....	1	Transfer.....	1	St. Paul Coal Co.....	10
Roseville.....	1					Spring Valley Coal Co.....	61
Seatonville.....	9					Volunteer Coal Co.....	1
Sherrard.....	6						
Spring Valley.....	45						
Totals.....	102		102		102		102

Table Showing the Nature of Injuries, Number of Persons Injured, Dependents, Time Lost, with Averages and Percentages—Second District—1908.

NATURE OF INJURIES.	Number.	Married.	Single.	Children.	Dependents.	TIME LOST.		Per cent of Injuries.
						Total days.	Average days.	
Ankles injured.....	10	7	3	21	28	348	43.50	9.80
Arms broken.....	1	1			1	67	67.00	.98
Arms injured.....	3	2	1	5	7	116	38.67	2.94
Backs injured.....	14	11	3	27	38	621	77.63	13.62
Bodies injured.....	4	4		7	11	265	66.25	3.92
Collarbone broken.....	1		1			37	37.00	.98
Eyes injured.....	2		2			119	59.50	1.96
Face burned.....	2		2			55	55.00	1.96
Feet injured.....	17	8	9	16	19	658	43.87	16.60
Fingers amputated.....	1	1		4	5	42	42.00	.98
Fingers injured.....	5	2	3	9	11	245	49.00	4.90
Hands injured.....	8	3	5		3	387	48.37	7.94
Heads injured.....	4	1	3	2	3	301	75.25	3.92
Knee cap broken.....	1		1					.98
Legs broken.....	11	6	5	9	14	715	89.38	10.78
Legs injured.....	8	5	3	13	18	388	48.50	7.94
Ribs broken.....	3	2	1	6	8	139	46.33	2.94
Thumbs injured.....	2	1	1	2	3	156	78.00	1.96
Toes broken.....	3	1	2		1	157	52.33	2.94
Wrist injured.....	2	1	1	2	2	64	32.00	1.96
Totals.....	102	56	46	123	172	4,880	56.09	100.00

## Bureau County—Second District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	St. Paul Coal Co. No. 2.....	Cherry.....		203,130	92,052	295,182
2	Spring Valley Coal Co. No. 1.....	Spring Valley.....	16,921	208,167	40,884	265,972
3	Illinois 3d Vein Coal Co. No. 1.....	Ladd.....	20,342	174,282	35,192	229,816
4	Spring Valley Coal Co. No. 4.....	Spring Valley.....	4,159	172,534	44,797	221,490
5	Spring Valley Coal Co. No. 5.....	do.....	1,202	180,858	34,515	216,575
6	Spring Valley Coal Co. No. 2.....	do.....	10,108	140,373	28,748	179,229
7	Spring Valley Coal Co. No. 3.....	do.....	328	111,354	22,825	134,507
8	Marquette 3d Vein Coal Co. No. 1.....	Marquette.....	6,840	99,253	17,714	123,807
	Totals.....		59,900	1,289,951	316,727	1,666,578
LOCAL MINES.						
1	Donahue & Jones.....	Sheffield.....	742	10,562		11,304
2	Nelson & Evans.....	do.....		2,020		2,020
3	L. F. Brandt (slope).....	Mineral.....		1,920	80	2,000
4	James Neave.....	Sheffield.....		1,610	50	1,660
5	L. F. Brandt (shaft).....	Mineral.....		1,440	60	1,500
6	Eugene Martin (Heathcocks).....	Princeton.....		1,310		1,310
7	Thos. Herrington.....	do.....		1,300		1,300
8	C. W. Riley.....	Sheffield.....		756	100	856
	Totals.....		742	20,918	290	21,950
	Totals—16 mines.....		60,642	1,310,869	317,017	1,688,528

Mines reported for 1907, 18.

Abandoned mines, 2.

Mines in 1908, 16.

*Bureau County, Second District—Concluded.*

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$303,735	260,753	34,429	252	310	115	425	295,182	2	10	12,180	Blasted	Pneu.	1
372,360	243,586	22,386	204	484	170	654	265,972	.....	28	.....	Mined	do	2
341,852	190,864	38,952	231	400	178	578	229,816	.....	4	.....	do	do	3
300,086	208,322	13,168	186	333	164	497	221,490	.....	7	.....	do	do	4
293,203	209,818	6,757	184	400	125	525	216,575	1	7	.....	do	do	5
240,920	161,149	18,080	157	473	153	626	179,229	1	8	.....	do	do	6
188,308	127,238	7,269	135	428	146	574	134,507	1	11	.....	do	do	7
210,470	113,678	10,129	184	316	164	480	123,807	1	4	.....	do	do	8
<b>\$2,250,934</b>	<b>1,515,408</b>	<b>151,170</b>	<b>192</b>	<b>3,144</b>	<b>1,215</b>	<b>4,359</b>	<b>1,666,578</b>	<b>6</b>	<b>79</b>	<b>12,180</b>			
\$22,422	11,304	275	21	2	23	11,304	.....	.....	130	.....	Both	.....	1
3,535	2,020	250	4	1	5	2,020	.....	.....	25	.....	do	.....	2
3,400	2,000	150	8	1	9	2,000	.....	.....	.....	.....	Mined	.....	3
2,843	1,660	208	4	1	5	1,660	.....	.....	.....	.....	do	.....	4
2,550	1,500	225	4	1	5	1,500	.....	.....	.....	.....	do	.....	5
2,630	1,310	155	4	1	5	1,310	.....	.....	63	.....	Blasted	W	6
2,600	1,300	156	4	1	5	1,300	.....	.....	60	.....	do	do	7
1,373	856	100	4	1	5	856	.....	.....	.....	.....	Mined	do	8
<b>\$41,343</b>	<b>21,950</b>	<b>190</b>	<b>53</b>	<b>9</b>	<b>62</b>	<b>21,950</b>	<b>.....</b>	<b>.....</b>	<b>268</b>	<b>.....</b>			
<b>\$2,292,277</b>	<b>1,515,408</b>	<b>173,120</b>	<b>.....</b>	<b>3,197</b>	<b>1,224</b>	<b>4,421</b>	<b>1,688,528</b>	<b>6</b>	<b>79</b>	<b>12,448</b>			

## Henry County—Second District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Kewanee Coal & Mining Co. No. 2	Kewanee	33,829	18,916	12,659	65,404
2	Atlas Coal Co. No. 4	Galva		8,702	1,150	9,852
3	Kewanee Coal & Mining Co. No. 1	Kewanee	783	4,172	1,748	6,703
	Totals		34,612	31,790	15,557	81,959
LOCAL MINES.						
1	Herdien Coal Co. No. 16	Galva		7,805	300	8,105
2	Kewanee Coöperative Coal Co.	Kewanee		6,992	706	7,698
3	Bates Bros.	do		6,922	160	7,082
4	Peoples Fuel Co.	do		4,398	1,884	6,282
5	Emil Ahlgren	do		5,400		5,400
6	Fairlie Bros. & Co.	Cambridge	500	3,000	1,500	5,000
7	Matt. Atkinson	Kewanee		2,857		2,857
8	Fred Henry	do		2,800		2,800
9	E. S. Barlow	do		2,500	240	2,740
10	North Main Coal Co.	do	610	1,688	48	2,346
11	Jeff. Glenn	Colona		2,130		2,130
12	Hartman & Bercroft	Atkinson		1,794	300	2,094
13	D. L. Edwards, McCaffreys	Coal Valley		2,000		2,000
14	Les. Maleon	Kewanee		1,600		1,600
15	D. O. Loy	Atkinson		1,180	240	1,420
16	Max. Groy	Kewanee		1,200		1,200
17	Ralph Todd & Sons	do		1,125		1,125
18	John Kincaid	Colona		700		700
19	Tharp & Groy	Kewanee		500		500
20	R. E. Maleon	do		460		460
21	H. C. Finch	do		440		440
22	James Kemerling	do		400		400
23	Robert Kay	Briar Bluff		400		400
24	Joseph Carter	Kewanee		280		280
25	Wm. Lamb	do		228		228
26	G. W. Mahler	do		120	40	160
27	John Summerson, Blossomburg	Coal Valley		76		76
	Totals		1,110	58,995	5,418	65,523
	Totals—30 mines		35,722	90,785	20,975	147,482

Mines reported for 1907, 34.

New mines, 3.

Abandoned mines, 7.

Mines in 1908, 30.

Henry County—Second District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hands.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employ'cs.	Total.		Injured.	Killed.				
\$86,182	64,089	1,315	205	97	22	119	65,404	.....	4	2,414	Both...	Pneu.	1
16,000	3,152	6,700	200	22	5	27	9,852	.....	.....	.....	Mined..	W...	2
8,260	5,126	1,577	91	15	7	22	6,703	.....	.....	223	Both...	do..	3
<b>\$110,442</b>	<b>72,367</b>	<b>9,592</b>	<b>203</b>	<b>134</b>	<b>34</b>	<b>168</b>	<b>81,959</b>	<b>.....</b>	<b>4</b>	<b>2,637</b>			
\$16,541		8,105	200	18	3	21	8,105	.....	2	.....	Mined..	W...	1
16,085		7,698	208	18	2	20	7,698	.....	.....	.....	do...	do..	2
15,655		7,082	225	14	2	16	7,082	.....	.....	.....	do...	do..	3
11,622		6,282	176	10	2	12	6,282	.....	.....	.....	do...	do..	4
8,100		5,400	200	10	3	13	5,400	.....	.....	.....	do...	do..	5
10,435		5,000	260	9	2	11	5,000	.....	.....	220	Blasted	do..	6
6,428		2,857	225	8	1	9	2,857	.....	.....	.....	Mined..	do..	7
5,950		2,800	200	9	1	10	2,800	.....	.....	.....	do...	W...	8
5,795		2,740	275	7	2	9	2,740	.....	.....	.....	do...	do..	9
3,717		2,346	200	8	1	9	2,346	.....	.....	.....	do...	do..	10
4,793		2,130	145	6	1	7	2,130	.....	.....	106	Blasted	do..	11
4,710		2,094	175	6	1	7	2,094	.....	.....	.....	Mined..	do..	12
3,500		2,000	120	5	1	6	2,000	.....	.....	120	Blasted	do..	13
3,200		1,600	120	8	1	9	1,600	.....	.....	.....	Mined..	do..	14
3,130		1,420	160	6	1	7	1,420	.....	.....	.....	do...	do..	15
2,400		1,200	150	4	1	5	1,200	.....	.....	.....	do...	W...	16
2,531		1,125	145	4	1	5	1,125	.....	.....	.....	do...	do..	17
1,400		700	100	3	.....	3	700	.....	.....	.....	do...	Blasted	18
1,125		500	65	3	.....	3	500	.....	.....	.....	Mined..	do..	19
1,035		460	125	3	1	4	460	.....	.....	.....	do...	do..	20
880		440	100	3	.....	3	440	.....	.....	.....	do...	do..	21
900		400	100	2	1	3	400	.....	.....	.....	do...	do..	22
800		400	100	2	.....	2	400	.....	.....	.....	do...	do..	23
630		280	120	2	.....	2	280	.....	.....	.....	do...	do..	24
456		228	100	2	.....	2	228	.....	.....	.....	do...	do..	25
300		160	100	1	.....	1	160	.....	.....	.....	do...	do..	26
133		76	20	1	.....	1	76	.....	.....	2	Blasted	do..	27
<b>\$132,251</b>	<b>65,523</b>	<b>152</b>	<b>172</b>	<b>28</b>	<b>200</b>	<b>65,523</b>	<b>.....</b>	<b>2</b>	<b>498</b>				
<b>\$242,693</b>	<b>72,367</b>	<b>75,115</b>	<b>.....</b>	<b>306</b>	<b>35</b>	<b>365</b>	<b>147,482</b>	<b>.....</b>	<b>6</b>	<b>3,135</b>			

## Knox County—Second District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	Thos. H. Milan.....	Soperville.....	5,850	150		6,000
2	Galva Coal Co.....	Wataga.....	4,474	160		4,634
3	Rodell & Mitchell.....	do.....	4,308	200		4,508
4	Pendergast Bros.....	Galesburg.....	3,950	140		4,090
5	Bowman Bros.....	Yates City.....	2,484	976		3,460
6	Jesse Hillier.....	Rapatee.....	1,920			1,920
7	Matson Bros.....	Victoria.....	1,600			1,600
8	Ben. Thorne.....	Etherley.....	1,428			1,428
9	Geo. Clifford & Son.....	Altona.....	1,400			1,400
10	S. G. McGovern.....	Oneida.....	900	500		1,400
11	Louis Nodene & Son.....	Wataga.....	1,300			1,300
12	Aaron Teel.....	Oneida.....	1,200			1,200
13	A. J. Nelson.....	Knoxville.....	1,160			1,160
14	Gus. Simpson & Bros.....	Oneida.....	1,102			1,102
15	Chas. Gladfelter & Co.....	Victoria.....	956			956
16	D. I. Foster.....	Rapatee.....	840			840
17	P. A. Lindsay.....	Middle Grove.....	800			800
18	Albert Walberg.....	Knoxville.....	750			750
19	Chas. Quanstrom.....	Victoria.....	684			684
20	John Myers.....	Etherley.....	450			450
21	Frank Brown.....	Knoxville.....	420			420
22	Wm. Corson.....	Abingdon.....	400			400
23	L. V. Pointer.....	do.....	400			400
24	Arthur Sloan.....	Etherley.....	372			372
25	Wm. Stuckey.....	Abingdon.....	360			360
26	A. C. Knapp.....	Victoria.....	300			300
27	Chas. Morgan & Sons.....	Oneida.....	280			280
28	Louis Larson.....	Victoria.....	264			264
29	N. C. Anderson.....	Knoxville.....	264			264
30	John Todd.....	Victoria.....	240			240
31	Ed. Peterson.....	Etherley.....	200			200
32	Frank Quinn.....	Abingdon.....	200			200
33	John Gordon.....	do.....	160			160
34	*Mack Burnett.....	do.....	140			140
35	C. E. Smith.....	do.....	120			120
36	Wm. Nelson.....	Victoria.....	100			100
37	Sam. Nelson.....	Abingdon.....	80			80
38	Frank Buffington.....	Middle Grove.....	68			68
39	Ben. Morgan.....	Wataga.....	20			20
	Totals.....	.....	41,944	2,126		44,070

Mines reported for 1907, 42.

New mines, 6.

Abandoned mines, 9.

Mines in 1908, 39.

\*Economy.

*Knox County—Second District—Concluded.*

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by haul.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Injured.	Killed.				
\$10,313		6,000	200	12	3	15	6,000			320	Blasted	W...	1
7,910		4,634	240	12	3	15	4,634				Mined	do.	2
7,639		4,508	250	8	2	10	4,508				do.	do.	3
6,983		4,090	160	10	3	13	4,090			230	Blasted	do.	4
5,323		3,460	200	6	2	8	3,460			173	do.	do.	5
2,880		1,920	250	4		4	1,920			85	do.	do.	6
2,400		1,600	200	5	1	6	1,600				Mined	do.	7
2,142		1,428	180	4		4	1,428				do.	do.	8
2,800		1,400	150	4	1	5	1,400				do.	do.	9
1,825		1,400	200	4	1	5	1,400				do.	do.	10
2,275		1,300	190	5	1	6	1,300				do.	do.	11
1,800		1,200	200	4	1	5	1,200				do.	do.	12
2,320		1,160	200	4	1	5	1,160				do.	do.	13
1,929		1,102	140	3		3	1,102				do.	do.	14
1,434		956	150	3		3	956				do.	do.	15
1,210		840	217	2		2	840			45	Blasted	do.	16
1,200		800	100	3		3	800			42	do.	do.	17
1,500		750	180	4	1	5	750				Mined	do.	18
1,197		684	100	3	1	4	684				do.	do.	19
675		450	75	3		3	450				do.	do.	20
810		420	120	2		2	420				do.	do.	21
900		400	125	6		6	400				do.	do.	22
900		400	100	4		4	400				do.	do.	23
558		372	175	1		1	372				do.	do.	24
810		360	75	6		6	360				do.	do.	25
450		300	80	2		2	300				do.	do.	26
490		280	80	2		2	280				do.	do.	27
396		264	75	2		2	264				do.	do.	28
492		264	100	3		3	264				do.	do.	29
480		240	75	2		2	240				do.	do.	30
300		200	75	2		2	200				do.	do.	31
450		200	120	3		3	200				do.	do.	32
360		160	120	3		3	160				do.	do.	33
315		140	80	2		2	140				do.	do.	34
270		120	90	2		2	120				do.	do.	35
150		100	60	2		2	100				do.	do.	36
180		80	60	3		3	80				do.	do.	37
102		68	40	1		1	68			5	do.	do.	38
35		20	40	1		1	20				Blasted	do.	39
											Mined	do.	
\$64,203		44,070	135	153	21	174	44,070			900			

## Mercer County—Second District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Coal Valley Mining Co. No. 2.....	Sherrard.....	18,622	55,302	143,356	217,280
2	Empire Coal Co. No. 3.....	Gilchrist.....	16,170	63,023	68,210	147,403
3	Coal Valley Mining Co. No. 1.....	Cable.....	10,889	13,107	5,674	29,670
	Totals.....		45,681	131,432	217,240	394,353
LOCAL MINES.						
1	Wm. H. Riddell.....	Aledo.....		4,000	240	4,240
2	Docherty Bros.....	Pre-emption.....		3,600	250	3,850
3	Huffman & Hayburn.....	do.....		3,400	150	3,550
4	Arthur Jones.....	Viola.....		3,200	109	3,309
5	J. B. Martin.....	Aledo.....		2,600	16	2,616
6	G. W. Martin.....	Viola.....	320	2,000		2,320
7	S. J. Young.....	New Windsor.....	840	200		1,040
8	B. B. Peterson.....	Cable.....		700	300	1,000
9	W. P. Williams.....	Aledo.....		960		960
10	B. T. Miller.....	Viola.....		800		800
11	Essley Bros.....	Aledo.....		720		720
12	M. A. Beers.....	Cable.....		420	120	540
13	Northwestern Clay Mfg. Co.....	New Windsor.....	75			75
14	Millersburg Coal Co.....	Millersburg.....		75		75
	Totals.....		1,235	22,675	1,185	25,095
	Totals—17 mines.....		46,916	154,107	218,425	419,448

Mines reported for 1907, 18.

New mines, 2.

Abandoned mines, 3.

Mines in 1908, 17.



*Mercer County—Second District—Concluded.*

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$325,920	204,700	12,580	251	162	129	291	217,280	.....	9	10,986	Blasted	E.....	1
184,254	144,089	3,314	218	144	96	240	147,403	.....	2	9,228	do....	W.....	2
29,670	25,487	4,183	200	31	23	54	29,670	.....	3	1,192	do....	E.....	3
<b>\$539,844</b>	<b>374,276</b>	<b>20,077</b>	<b>223</b>	<b>337</b>	<b>248</b>	<b>585</b>	<b>394,353</b>	<b>.....</b>	<b>14</b>	<b>21,406</b>			
7,120	.....	4,240	230	6	1	7	4,240	.....	.....	210	Blasted	W....	1
6,325	.....	3,850	140	10	2	12	3,850	.....	.....	185	do....	do....	2
5,250	.....	3,550	150	6	1	7	3,550	.....	.....	200	do....	do....	3
5,682	.....	3,309	150	8	1	9	3,309	.....	.....	150	do....	do....	4
4,558	.....	2,616	175	5	1	6	2,616	.....	.....	130	do....	do....	5
3,400	.....	2,320	250	5	1	6	2,320	.....	.....	120	do....	do....	6
1,870	.....	1,040	200	4	1	5	1,040	.....	.....	60	do....	do....	7
1,725	.....	1,000	120	.....	1	3	1,000	.....	.....	15	do....	W....	8
1,680	.....	960	108	.....	.....	3	960	.....	.....	48	do....	do....	9
1,600	.....	800	200	.....	.....	2	800	.....	.....	75	do....	do....	10
1,080	.....	720	102	.....	.....	3	720	.....	.....	10	do....	do....	11
1,035	.....	540	150	.....	.....	2	540	.....	.....	30	do....	do....	12
150	.....	75	40	.....	.....	2	75	.....	.....	3	do....	do....	13
150	.....	75	50	.....	.....	2	75	.....	.....	.....	Mined..	do....	14
<b>\$41,625</b>	<b>.....</b>	<b>25,095</b>	<b>148</b>	<b>60</b>	<b>9</b>	<b>69</b>	<b>25,095</b>	<b>.....</b>	<b>.....</b>	<b>1,241</b>			
<b>\$581,469</b>	<b>374,276</b>	<b>45,172</b>	<b>.....</b>	<b>397</b>	<b>257</b>	<b>654</b>	<b>419,448</b>	<b>.....</b>	<b>14</b>	<b>22,647</b>			

## Rock Island County—Second District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.				
			Mine run	Lump.	Other grades.	Total.	
SHIPPING MINES.							
1	Volunteer Coal Co. No. 1.....	Coal Valley.....	.....	12,681	1,580	14,261	
LOCAL MINES.							
1	J. J. Pryce & Son.....	Coal Valley.....	.....	17,958	8,978	26,936	
2	Stoddard & Summerson.....	do.....	.....	5,600	400	6,000	
3	Stoehr & Schadt.....	Carbon Cliff.....	.....	3,000	1,267	4,267	
4	Sackville Bros.....	Coal Valley.....	.....	2,360	800	3,160	
5	Axel E. Link.....	Sunny Hill.....	.....	1,600	340	1,940	
6	M. W. Posten & Son.....	Coal Valley.....	.....	1,396	234	1,630	
7	Thos. Stone & Bro.....	Moline.....	.....	1,280	.....	1,280	
8	Chas. A. Loding.....	do.....	.....	800	200	1,000	
9	John A. Hynd.....	do.....	.....	840	120	960	
10	Jamieson & Irvin.....	do.....	.....	480	60	540	
11	Chas. Rosemond.....	Carbon Cliff.....	.....	450	80	530	
12	Guckert Bros.....	Hampton.....	.....	175	142	317	
13	Merritt Hunter.....	Moline.....	.....	140	.....	140	
Totals.....			.....	175	36,046	12,479	48,700
Totals—14 mines.....			.....	175	48,727	14,059	62,961

Mines reported for 1907, 12.  
 New mines, 3.  
 Abandoned mines, 1.  
 Mines in 1908, 14.

Rock Island County—Second District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employécs.	Total.		Killed.*	Injured.				
\$16,000	12,051	2,210	209	16	6	22	14,261	.....	1	800	Blasted	W....	1
\$38,160	.....	26,936	185	27	9	36	26,936	.....	1	999	Blasted	W....	1
11,400	.....	6,000	160	10	4	14	6,000	.....	.....	200	do....	do....	2
6,034	.....	4,267	240	10	4	14	4,267	.....	.....	273	do....	do....	3
4,693	.....	3,160	150	5	2	7	3,160	.....	.....	150	do....	do....	4
3,370	.....	1,940	125	4	1	5	1,940	.....	.....	98	do....	do....	5
2,909	.....	1,630	215	4	2	6	1,630	.....	.....	100	do....	W....	6
2,560	.....	1,280	192	2	1	3	1,280	.....	.....	25	do....	do....	7
1,700	.....	1,000	200	3	1	4	1,000	.....	.....	30	do....	do....	8
1,740	.....	960	150	3	1	4	960	.....	.....	20	do....	W....	9
990	.....	540	100	3	1	4	540	.....	.....	40	do....	do....	10
940	.....	530	100	3	1	4	530	.....	.....	.....	Mined..	do....	11
590	.....	317	75	2	.....	2	317	.....	.....	3	Both..	do....	12
280	.....	140	40	2	.....	2	140	.....	.....	.....	Mined..	do....	13
\$75,366	.....	48,700	149	78	27	105	48,700	.....	1	1,938			
\$91,366	12,051	50,910	.....	94	33	127	62,961	.....	2	2,738			

## Warren County—Second District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	H. J. Rohr.....	Alexis.....	2,400		400	2,800
2	F. R. Kennedy.....	Monmouth.....	2,030			2,030
3	Simcox Bros.....	Alexis.....	1,940		40	1,980
4	Bryner & Hall.....	Roseville.....	1,200			1,200
5	Thos. Caldwell.....	Avon.....	654			654
6	Willis Clayton.....	Avon.....	630			630
7	J. C. Clark.....	Monmouth.....	440			440
8	J. G. Lee.....	Youngstown.....	384			384
9	Wm. D. Ruhl.....	Avon.....	360			360
10	Manuel & Wallingford.....	Roseville.....	328			328
11	A. J. Hartford.....	Youngstown.....	240			240
12	D. L. Howard.....	Monmouth.....	180			180
13	Joseph Simpson.....	Swan Creek.....	80			80
14	A. W. Palmer.....	Monmouth.....	80			80
15	Tracy & Miller.....	Roseville.....	60			60
	Totals.....		11,006		440	11,446

Mines reported for 1907, 15.

New mines, 4.

Abandoned, 4.

Mines in 1908, 15.

Warren County—Second District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employécs.	Total.		Killed.	Injured.				
\$4,448		2,800	180	5	1	6	2,800			147	Blasted	W	1
5,075		2,030	200	8	2	10	2,030				Mined	do.	2
3,415		1,980	205	4	1	5	1,980			120	Blasted	do.	3
3,300		1,200	220	5	1	6	1,200				Mined	do.	4
1,635		654	120	4		4	654				do.	do.	5
1,575		630	120	5		5	630				do.	do.	6
1,100		440	100	3	1	4	440				do.	do.	7
960		384	122	12		12	384				do.	do.	8
900		360	100	3		3	360				do.	do.	9
820		328	100	3		3	328		1		do.	do.	10
600		240	100	12		12	240				do.	do.	11
405		180	100	12		12	180				do.	do.	12
200		80	90	1		1	80				do.	do.	13
160		80	50	2	1	3	80				do.	do.	14
150		60	40	2		2	60				do.	do.	15
\$24,743		11,446	123	51	7	58	11,446		1	267			

## Shipping Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Bureau.....	8	59,900	1,289,951			316,727		1,666,578	\$1.356
Henry.....	3	34,612	31,790		389	14,102	1,066	81,959	1.348
Mercer.....	3	45,681	131,432	100,536	1,442	47,972	67,290	394,353	1.369
Rock Island.....	1		12,681			1,580		14,261	1.522
Total.....	15	140,193	1,465,854	100,536	1,831	380,381	68,356	2,157,151	\$1.352

## Local Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Bureau.....	8	742	20,918			290		21,950	\$1.884
Henry.....	27	1,110	58,995			5,378	40	65,523	2.018
Knox.....	39		41,944			2,126		44,070	1.457
Mercer.....	14	1,235	22,675			1,185		25,095	1.659
Rock Island.....	13	175	36,046			12,479		48,700	1.548
Warren.....	15		11,006			440		11,446	2.162
Total.....	116	3,262	191,584			21,898	40	216,784	\$1.75
Grand total.....	131	143,455	1,657,438	100,536	1,831	402,279	68,396	2,373,935	.....

Whole number of mines reported in 1907, 139.  
 Number of new mines opened during the year, 18.  
 Number of mines abandoned during the year, 26.  
 Whole number of mines reported for 1908, 131.

Counties—Second District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.					Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.			From solid—Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.							
1,515,408	151,170	192	3,144	765	140	310	4,359	1,666,578	12,180	295,182	.....	.....
72,367	9,592	203	134	21	.....	13	168	81,959	2,637	.....	.....	72,107
374,276	20,077	223	337	185	4	59	585	394,353	21,406	394,353	.....	.....
12,051	2,210	209	16	4	.....	2	22	14,261	800	14,261	.....	.....
1,974,102	183,049	201	3,631	975	144	384	5,134	2,157,151	37,023	703,796	.....	72,107

Counties—Second District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.					Tons mined—By hand.	Powder—Blasting.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.			From solid—Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.							
.....	21,950	190	53	1	.....	8	62	21,950	268	2,610	.....	13,324
.....	65,523	152	172	6	.....	22	200	65,523	498	9,906	.....	.....
.....	44,070	135	153	5	.....	16	174	44,070	900	17,178	.....	.....
.....	25,095	148	60	1	.....	8	69	25,095	1,241	25,020	.....	.....
.....	48,700	149	78	12	.....	15	105	48,700	1,938	47,713	.....	317
.....	11,446	123	51	.....	.....	7	58	11,446	267	4,780	.....	.....
.....	216,784	144	567	25	.....	76	668	216,784	5,112	107,207	.....	13,641
1,974,102	399,833	.....	4,198	1,000	144	460	5,802	2,373,935	42,135	811,003	.....	85,748

## THIRD INSPECTION DISTRICT--1908.

### THIRD ANNUAL REPORT.

Counties: Livingston, Marshall, Peoria, Putnam, Stark, Woodford.

JOHN DUNLOP, *Inspector*, Peoria, Illinois.

*Hon. David Ross, Secretary State Bureau of Labor Statistics, Springfield, Ill.*

SIR—I have the honor to submit the third annual report of the coal mines in the third inspection district, comprising the coal producing counties of Livingston, Marshall, Peoria, Putnam, Stark and Woodford.

On account of filling out the unexpired term of James Taylor, who resigned during the year, I am unable to give a full and detailed mention of the changes, improvements and other matters that have occurred as would have been done had I been more familiar with the operating of the mines in the district.

The tabular information contained in this report gives all of the particulars in regard to the number of miners and other employés, underground and on the surface, engaged in the coal mining industry; also the output of the mines and the distribution of the product.

The following summary for the district is presented for the year ending June 30, 1908:

Number of shipping mines.....	26
Number of mines in local trade only .....	77
Total number of mines.....	103
Number of miners employed.....	3,045
Number of other employés underground.....	628
Number of boys underground .....	93
Number of employés above ground.....	359
Total number of employés .....	4,125
Number of kegs of powder consumed.....	68,427
Tons of lump coal produced .....	1,123,546
Tons of all other grades combined.....	1,274,218
Total tons produced .....	2,370,764
Aggregate value of the total product.....	\$3,244,564
Number of fatal accidents .....	7
Number of non-fatal accidents .....	45
Number of employés to each fatal accident.....	539
Number of employés to each non-fatal accident.....	92
Tons of coal to each fatal accident.....	338,681
Tons of coal to each non-fatal accident.....	52,684
Tons of coal to each miner employed.....	775
Ratio of fatal accidents per 1,000 persons employed.....	1.7



COMPARATIVE TABLE.

The product in tons of the coal producing counties in the third district for the years ending June 30, 1907 and 1908, is shown in the following table:

COUNTIES.	TOTAL PRODUCT OF ALL GRADES OF COAL IN TONS.		Increase.	Decrease.
	1907	1908		
Livingston.....	269,811	302,342	32,531	.....
Marshall.....	471,725	423,029	.....	48,696
Peoria.....	1,027,123	1,054,673	27,550	.....
Putnam.....	268,710	403,136	134,426	.....
Stark.....	25,480	24,444	.....	1,036
Woodford.....	150,743	163,140	12,397	.....
Totals.....	2,213,592	2,370,764	206,904	49,732
Net increase.....	.....	.....	157,172	.....

The counties of Livingston, Peoria, Putnam and Woodford show an increase of 206,904 tons over last year. Marshall and Stark show a decrease of 49,732 tons, leaving a net increase of 157,172 tons for the district.

FATAL ACCIDENTS.

July 24, 1907, Gateus Kastillic, aged 46 years, married, top laborer, was killed at the Devlin Coal Company's mine, located at Toluca, Marshall county. Deceased was riding between two railroad cars and in some manner fell from the cars, the latter car running over him, causing his death. He leaves a widow and four children.

Sept. 6, 1907, Albert Gillot, gripper, aged 19 years, single, was fatally injured in the Reed City mine, Peoria county, operated by Newsam Bros. Deceased was riding on a trip of empty cars and jumped out of the car and stepped onto the loaded track; part of a loaded trip had broken loose, and, owing to the roadway having a downward grade towards the working face at this particular place, the cars ran back, knocking him down, injuring him so that it caused his death.

Sept. 17, 1907, Edward Hasty, driver, aged 24 years, married, was killed by falling rock in the Empire mine No. 2, operated by Clark Coal and Coke Company, Peoria, Peoria county. He leaves a widow.

Feb. 27, 1908, Charles White, driver, aged 19 years, single, was killed in the Cardiff Coal Company's mine No. 2, Cardiff, Livingston county. Deceased was riding on front of car, and, for some reason unknown, fell in front of the car, the mule pulling the car over him. When found by a boy who was trapping at a door not far distant, he was dead; therefore, no particulars can be given as to just how the accident happened.

I was not in the inspection service when the other accidents occurred, and can only report as to how they happened by the reports sent to me.

Following are the tables for each county in the third inspection district.

Respectfully submitted,

JOHN DUNLOP,

State Inspector of Mines, Third District, Peoria, Ill.

*Fatal Casualties—Third District—July 1, 1908.*

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	Widows.	Children. Single.	Persons dependent.	Cause of Accident
1907									
July 24	Gaterio Kastelic.....	46	Laborer.....	Toluca.....	1	1	4	5	Railroad car.....
Sept. 6	Albert Gillott.....	19	Gripper.....	Walcott.....	1	1	1	1	Pit car.....
6	Geo. Cosgrove.....	25	Laborer.....	Granville.....	1	1	1	1	Car unloader.....
13	S. Thairant.....	19	Driver.....	Toluca.....	1	1	1	1	Pit car.....
17	Edward Hasty.....	24	do.....	Peoria.....	1	1	1	1	Falling rock.....
1908									
Jan. 31	Joseph Markel.....	22	do.....	Granville.....	1	1	1	1	Pit car.....
Feb. 27	Chas. White.....	19	do.....	Cardiff.....	1	1	1	1	do.....
	Total—7.....				2	5	2	4	6

*Recapitulation of Fatal Accidents—Third District—1908.*

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Cardiff.....	1	Driver.....	4	Falling rock.....	1	B. F. Berry Coal Co.....	2
Granville.....	2	Gripper.....	1	Machinery.....	1	Cardiff Coal Co.....	1
Peoria.....	1	Laborer.....	2	Pit cars.....	4	Clarke Coal Co.....	1
Toluca.....	2			Railroad cars.....	1	Devlin Coal Co.....	2
Walcott.....	1				1	Newsam Bros.....	1
Totals.....	7		7		7		7

Non-Fatal Casualties—Third District—July 1, 1908.

Date.	Name.	Age.	Residence (Town.)	Married.	Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1907									
July 6	John McCollegae	19	Wenona	1	1			Leg injured, wheel and rope	127
9	A. Costelli	26	Mark	1	1			Ribs broken, pit car	42
20	Peter Pental	38	do	1	2			Arms injured, falling coal	63
Aug 3	Frank Paten	20	Cardiff	1	1			Foot crushed, pit car	30
9	John Babis	39	Wenona	1	3			Hand injured, falling rock	30
12	John Masserello	32	Granville	1	1			Leg broken, falling coal	120
31	Sam Belt	32	Cardiff	1	1			Pit injured, pit car	52
Sept 4	Jas. Veue Namocki	38	Wenona	1	5			Head and back, injured, falling rock	40
19	Ross McMann	20	Kingston	1	1			Thigh broken, falling rock	80
21	W. F. Arnold	50	Toluca	1	1			Leg unjured, falling coal	30
23	Joe McDole	44	Cardiff	1	6			Back injured, falling coal	30
24	B. Santagrossi	32	Toluca	1	2			Ribs broken, squeezed by mule	90
26	Remigeo Rasfoul	17	do	1	1			Leg broken, falling coal	90
Oct. 3	Funk Babiah	20	Cardiff	1	1			Foot crushed, pit car	52
4	Eronski Capello	22	Mark	1	1			Ankle injured, falling coal	44
16	Tom Yacco	52	Roanoke	1	1			Foot crushed, falling coal	50
Nov. 3	Alfonso Peganilli	30	Cardiff	1	1			Abdomen injured, falling coal	51
6	Thos. Cochran	30	Peoria	1	1			Back and hip injured, pit car	35
11	Costelli Sabbatius	18	Cardiff	1	1			Back injured, falling rock	33
22	Jas. Sano	44	do	1	1			Feet injured, falling rock	35
27	Ed. Henrick	43	Granville	1	5			Legs broken, falling coal	185
30	Richard Reed, Sr	54	Kingston	1	4			Arm broken, windlass handle	90
Dec. 13	H. Rand	33	Peoria	1	2			Arm broken, falling coal	30
17	Harry Parks	26	Cardiff	1	1			Foot crushed, pit car	56
23	Barney Vimerezo	26	do	1	1			Arm injured, falling coal	40
1908									
Jan. 4	Joseph Otteno	55	Toluca	1	1			Collar bone broken, falling coal	180
9	Jos. Matskeetz	32	Mark	1	1			Ankle bruised, falling rock	30
14	John Bowers	23	do	1	1			Toe mashed, movable reel	69
15	John Bema	28	Cardiff	1	1			Body bruised, falling rock	90
23	August Schroeder	56	do	1	1			Back injured, falling coal	49
Feb. 10	Adolph Pomatto	24	Mark	1	2			Leg injured, pit car	120
11	Baxtecto Guzlechiro	35	Granville	1	2			Back bruised, falling rock	30
13	John Bima	40	Mark	1	4			Ankle injured, falling coal	42
25	Joseph Bima	23	Cardiff	1	1			Head and body injured, falling coal	32
Mar. 6	Alex. Topero	24	do	1	1			Leg broken, pit car	93
10	Steve Davitt	32	do	1	1			Leg injured, falling coal	39
11	Mike Oberto	36	Granville	1	4			Back injured, falling coal	40
20	Joe Mascatine	39	do	1	6			Leg broken	*
23	Joe Ferrero	22	Roanoke	1	1			Back injured, pit car	70
28	Peter Verzera	27	Granville	1	1			Ankle injured, falling rock	75
Apr. 9	H. Price	32	Peoria	1	1			Hips and back injured, falling clod	46
May. 25	Jos. Bugdoms	37	Mark	1	1			Leg broken, falling coal	90
June. 6	George Bailey	24	Kingston	1	1			Back injured, pit car	49
17	Joe Lartie	35	Granville	1	1			Hand injured, blow from ham'r	40
20	Joe Barra	28	Roanoke	1	1			Foot injured, falling coal	—
	Totals			22	19	55	80		

\*Not recovered July 1, 1908.

Total number of men injured	45
Not recovered July 1, 1908	1
Number of men recovered July 1, 1908	44
Time lost by men recovered, days	2,750
Average time lost by men recovered, days	62.5

*Recapitulation of Non-Fatal Casualties—Third District—1908.*

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Cardiff.....	14	Cagers.....	1	Falling clod.....	2	Berry Coal Co.....	6
Granville.....	7	Drivers.....	8	Falling coal.....	18	Cardiff Coal Co.....	14
Kingston.....	3	Grippers.....	1	Falling rock.....	9	Clarke Coal Co.....	3
Mark.....	8	Laborers.....	3	Hammer.....	1	Devlin Coal Co.....	4
Peoria.....	3	Miners.....	30	Handle—windlass.....	1	Newsam Bros.....	3
Roanoke.....	3	Timbermen.....	2	Pit cars.....	10	Roanoke Coal Co.....	3
Toluca.....	4			Reel.....	1	St. Paul Coal Co.....	9
Winona.....	3			Squeezed by mule.....	1	Wenona Coal Co.....	3
				Wheel and rope.....	1		
				Not stated.....	1		
Totals.....	45		45		45		45

*Recapitulation of Non-Fatal Casualties, Nature of Injuries, Conjugal Relations and Time Lost—Third District—June 30, 1908.*

NATURE OF INJURIES.	Number.	Married.	Single.	Children.	Dependents.	TIME LOST—DAYS.		Percent- age of Injuries.
						Total.	Average.	
Abdomen injured.....	1		1			51	51.00	2.22
Ankles bruised.....	4	1	3	4	5	191	47.75	8.89
Arms broken.....	1	1		4	5	90	90.00	2.22
Arms injured.....	3	2	1	4	6	133	44.33	6.67
Back and hips injured.....	2	1	1		1	75	37.50	4.44
Backs injured.....	7	4	3	13	17	301	42.87	15.56
Body bruised.....	1		1			90	90.00	2.22
Collarbone broken.....	1	1		1	2	180	180.00	2.22
Feet crushed.....	4	1	3	1	2	188	47.00	8.89
Feet injured.....	3	2	1	2	4	127	42.33	6.67
Hand bruised.....	2	2		4	6	77	38.50	4.44
Head and back injured.....	1	1		5	6	40	40.00	2.22
Head and body injured.....	1		1			32	32.00	2.22
Legs broken.....	6	4	2	11	14	578	115.60	13.34
Legs bruised.....	4	2	2	3	5	316	79.00	8.89
Ribs broken.....	2	2		2	4	132	66.00	4.44
Thigh broken, back bruised.....	1	1			1	80	80.00	2.22
Toe mashed.....	1	1		1	2	69	69.00	2.22
Totals.....	45	26	19	55	80	2,750	62.50	100.00

## Livingston County—Third District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Cardiff Coal Co. No. 2.....	Cardiff.....	93,524	62,906	60,351	216,781
2	Fairbury West End Coal Co. No. 2.....	Fairbury.....	16,904	800	4,850	22,554
	Totals.....		110,428	63,706	65,201	239,335
LOCAL MINES.						
1	Brady Coal Co.....	Pontiac.....	12,516	7,000	5,516	25,032
2	Streator Clay Mfg. Co.....	Streator.....		12,000		12,000
3	Munts Bros.....	do.....	1,113	6,465	3,303	10,881
4	Coöperative Coal Co.....	Fairbury.....	1,437	3,446	4,791	9,674
5	Massey Bros.....	Streator.....	3,500	40		3,540
6	Streator Acqueduct Co.....	do.....	1,880			1,880
	Totals.....		20,446	28,951	13,610	63,007
	Totals—8 mines.....		130,874	92,657	78,811	302,342

Mines reported for 1907, 9.

Abandoned mines, 1.

Mines in 1908, 8.

Livingston County—Third District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYEES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employés.	Total.		Killed.	Injured.				
\$284,779	209,737	7,044	214	220	92	312	216,781	1	14	1,800	Solid...	E....	1
27,600	10,364	12,187	298	25	17	42	22,554	.....	.....	1,192	..do...	..do..	2
<b>\$312,379</b>	<b>220,104</b>	<b>19,231</b>	<b>258</b>	<b>245</b>	<b>109</b>	<b>354</b>	<b>239,335</b>	<b>1</b>	<b>14</b>	<b>2,992</b>			
\$52,312	.....	25,032	214	26	4	30	25,032	.....	.....	1,200	Solid...	W....	1
18,000	.....	12,000	293	12	2	14	12,000	.....	.....	600	..do...	..do..	2
16,528	.....	10,881	150	26	2	28	10,881	.....	.....	180	..do...	..do..	3
15,072	.....	9,674	200	10	1	11	9,674	.....	.....	656	..do...	..do..	4
5,600	.....	3,540	200	10	1	11	3,540	.....	.....	150	..do...	..do..	5
2,820	.....	1,880	268	4	1	5	1,880	.....	.....	13	..do...	..do..	6
<b>\$110,332</b>	<b>.....</b>	<b>63,007</b>	<b>221</b>	<b>88</b>	<b>11</b>	<b>99</b>	<b>63,007</b>	<b>.....</b>	<b>.....</b>	<b>2,799</b>			
<b>\$422,711</b>	<b>220,104</b>	<b>82,238</b>	<b>....</b>	<b>333</b>	<b>120</b>	<b>453</b>	<b>302,342</b>	<b>1</b>	<b>14</b>	<b>5,791</b>			

## Marshall County—Third District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Devlin Coal Co. No. 1.....	Toluca.....	117,765	126,056	41,018	284,839
2	Wenona Coal Co. No. 1.....	Wenona.....		72,30	31,872	104,176
3	Fulton County Coal Co. No. 2.....	Sparland.....		11,657	2,058	13,715
	Totals.....		117,765	210,017	74,948	402,730
LOCAL MINES.						
1	Lacon Coal Co.....	Sparland.....	6,802	3,309	2,231	12,342
2	Ban Coal, Light & Power Co.....	do.....	3,837			3,837
3	Robert H. Ingram.....	do.....	1,200			1,200
4	W. E. Frisby.....	do.....	1,200			1,200
5	W. L. Harr & Webber.....	do.....	1,120			1,120
6	Jacob Webber.....	do.....	400			400
7	Emory Passent.....	do.....	200			200
	Totals.....		14,759	3,309	2,231	20,299
	Totals—10 mines.....		132,524	213,326	77,179	423,029

Mines reported for 1907, 13.

New mines, 1.

Abandoned mines, 4.

Mines in 1908, 10.



Marshall County—Third District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$425,232	221,326	63,513	246	487	140	627	284,839	2	4			E	1
180,196	91,365	12,811	243	160	75	235	104,176		3				2
23,315	8,466	5,249	243	35	10	45	13,715					W	3
<u>\$628,743</u>	<u>321,157</u>	<u>81,573</u>	<u>244</u>	<u>682</u>	<u>225</u>	<u>907</u>	<u>402,730</u>	<u>2</u>	<u>7</u>				
\$16,428		12,342	243	20	4	24	12,342			501			1
5,179		3,837	200	10	2	12	3,837			210			2
2,100		1,200	150	5	1	6	1,200			60			3
2,100		1,200	150	5	1	6	1,200			60			4
1,960		1,120	150	2		2	1,120			20			5
700		400	100	2		2	400			10			6
350		200	50	2		2	200			10			7
<u>\$28,817</u>	<u>20,299</u>	<u>149</u>	<u>46</u>	<u>8</u>	<u>54</u>	<u>20,299</u>	<u>1,001</u>						
<u>\$657,560</u>	<u>321,157</u>	<u>101,872</u>	<u>....</u>	<u>728</u>	<u>233</u>	<u>961</u>	<u>423,029</u>	<u>2</u>	<u>7</u>	<u>1,001</u>			

## Peoria County—Third District—1908.

Number.	NAME OF OPERATOR.	Postoffice address. of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Clarke Coal & Coke Co., Empire No. 1	Peoria		94,608	94,607	189,215
2	Clarke Coal & Coke Co., Empire No. 2	do.		88,348	88,349	176,697
3	Wolschlag Coöperative Coal Co.	do.	89,323			89,323
4	Sholl Bros. No. 3	do.	55,300	18,041	10,000	83,341
5	Newsam Bros. Pond City	do.	6,229	60,221	16,143	82,593
6	Newsam Bros. Kingston	do.	2,428	31,975	12,574	46,977
7	Collier Coöperative Coal Co., Bartonville	Bartonville	40,984		5,000	45,984
8	George Vicary	Peoria		30,330	10,000	40,330
9	Howard & Taylor	Edwards		19,795	7,416	27,211
10	I. Wantling & Co, Elmwood	Peoria		17,831	2,530	20,361
11	Newsam Bros. Kingston No. 1	do.	1,597	13,947	3,576	19,120
12	W. E. Foley	Mapleton	4,000	10,000	2,000	16,000
13	Lancaster Landing Coal Co. No. 2	Kingston	16,000			16,000
14	Third Vien Coal Co.	Mapleton	5,000	7,500	2,500	15,000
15	Lancaster Landing Coal Co. No. 1	Kingston	14,400			14,400
16	Warsaw Coal Co.	Edwards	667	5,978	2,417	9,062
17	Applegate & Lewis Coal Co.	Hanna City	2,962	18,028	9,516	30,506
	Totals		238,890	416,602	266,628	922,120
LOCAL MINES.						
1	Treasurer Coal Co.	Bartonville	11,000	10,790	1,000	22,790
2	Winters Coal Co.	do.	21,705			21,705
3	Hibbard & Sneddon	Peoria	12,000			12,000
4	T. P. Schmidt & Sons	do.	9,412			9,412
5	P. Martin	do.	8,000			8,000
6	Fair Oak Coal Co.	do.	5,000			5,000
7	Kellers Coal Co.	Bartonville	4,543			4,543
8	Moline Coal Co.	Peoria	4,503			4,503
9	Limestone Coal Co.	do.	4,385			4,385
10	J. H. Fisher	do.	3,360			3,360
11	Callear Bros.	Pottstown	3,225			3,225
12	Crew Bros.	Chillicothe	2,800			2,800
13	Hizbee & Caldwell	Princetonville	2,600			2,600
14	Robinson & Trioff	Mapleton	2,500			2,500
15	Louis A. Schmidt	Peoria	2,500			2,500
16	David Robert	Mapleton	2,344			2,344
17	Stanton Blessen	do.	2,240			2,240
18	R. Taylor & Sons	Princetonville	2,162			2,162
19	Hy Kelley	Brimfield	1,200			1,200
20	Barber Coal Co.	Pottstown	1,200			1,200
21	Kickapoo Coal Co.	Edwards	1,171			1,171
22	Harmon & Durand	Brimfield	1,000			1,000
23	C. L. Hayes	do.	1,000			1,000
24	W. J. Burdett	Pottstown	980			980
25	Wm. Jones & Son	Mapleton	864			864
26	Street-Forston Coal Co.	Peoria	860			860
27	Wm. H. Pool	Edwards	640			640
28	J. A. Miller	Laura	558			558
29	Thos. Searliff	Mapleton	480			480
30	James Dalton	Elmwood	480			480
31	Nickolas Engelke	Peoria	436			436
32	Clark & Co.	Brimfield	425			425
33	Thos. Jones	Peoria	400			400
34	Arthur Whitiker	Brimfield	392			392
35	Berry Bros.	Monica	360			360
36	Varnorman & Hartsil	Mapleton	340			340
37	Hugnt Notzke	Oak Hill	320			320

Peoria County—Third District—Continued.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYEES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employés.	Total.		Killed.	Injured.				
\$245,979	185,565	3,650	233	145	49	194	189,215	.....	1	10,901	Solid...	Pneu.	1
197,900	157,479	19,218	235	140	49	189	176,697	.....	2	10,000	do.....	do.	2
90,216	86,300	3,023	210	62	17	79	89,323	.....	.....	6,138	do.....	do.	3
95,842	81,405	1,936	186	85	24	109	83,341	.....	.....	4,738	do.....	W.....	4
107,370	80,705	1,888	213	74	31	105	82,593	.....	1	4,338	do.....	do.	5
61,070	46,627	350	217	47	14	61	46,977	.....	1	2,399	do.....	do.	6
45,000	45,000	984	232	30	10	40	45,984	.....	.....	3,000	do.....	W.....	7
42,346	35,000	5,330	207	40	15	55	40,330	.....	.....	2,250	do.....	do.	8
33,088	24,526	2,685	130	56	21	77	27,211	.....	.....	1,675	do.....	W.....	9
26,469	19,861	500	180	30	9	39	20,361	.....	.....	1,200	do.....	do.	10
23,900	17,932	1,188	182	23	13	36	19,120	.....	1	1,002	do.....	do.	11
20,000	15,500	500	144	50	8	58	16,000	.....	.....	1,200	do.....	do.	12
24,000	16,000	.....	160	12	8	20	16,000	.....	.....	800	do.....	do.	13
22,500	14,500	500	180	40	4	44	15,000	.....	.....	.....	do.....	W.....	14
21,000	14,400	.....	160	12	8	20	14,400	.....	.....	800	do.....	do.	15
10,000	8,596	466	90	25	5	30	9,062	.....	.....	664	do.....	do.	16
38,132	28,396	2,110	198	41	25	66	30,506	.....	.....	1,755	do.....	do.	17
<b>\$1,104,812</b>	<b>877,792</b>	<b>44,328</b>	<b>192</b>	<b>912</b>	<b>310</b>	<b>1,222</b>	<b>922,120</b>	<b>.....</b>	<b>2</b>	<b>6</b>	<b>52,860</b>		
\$31,435	.....	22,790	225	25	6	31	22,790	.....	.....	1,470	Solid...	W.....	1
21,705	.....	21,705	289	15	4	19	21,705	.....	.....	1,148	do.....	do.	2
18,000	.....	12,000	220	11	2	13	12,000	.....	.....	750	do.....	do.	3
11,116	.....	9,412	244	9	2	11	9,412	.....	.....	470	do.....	do.	4
11,000	.....	8,000	200	8	2	10	8,000	.....	.....	500	do.....	do.	5
9,500	.....	5,000	180	7	2	9	5,000	.....	.....	250	do.....	do.	6
7,950	.....	4,543	200	4	2	6	4,543	.....	.....	278	do.....	do.	7
6,754	.....	4,503	120	5	2	7	4,503	.....	.....	250	do.....	do.	8
6,577	.....	4,385	200	6	2	8	4,385	.....	.....	300	do.....	do.	9
5,040	.....	3,360	150	6	2	8	3,360	.....	.....	280	do.....	do.	10
4,837	.....	3,225	200	5	2	7	3,225	.....	.....	180	do.....	do.	11
5,600	.....	2,800	200	6	2	8	2,800	.....	.....	130	do.....	do.	12
6,300	.....	2,600	300	6	2	8	2,600	.....	.....	200	do.....	do.	13
3,700	.....	2,500	280	4	2	6	2,500	.....	.....	125	do.....	do.	14
3,700	.....	2,500	125	3	2	5	2,500	.....	.....	50	do.....	do.	15
3,516	.....	2,344	110	3	2	5	2,344	.....	.....	130	do.....	do.	16
3,360	.....	2,240	140	3	2	5	2,240	.....	.....	160	do.....	do.	17
4,324	.....	2,162	200	3	2	5	2,162	.....	.....	186	do.....	do.	18
2,400	.....	1,200	240	3	2	5	1,200	.....	.....	.....	do.....	do.	19
1,800	.....	1,200	200	2	1	3	1,200	.....	.....	.....	do.....	do.	20
2,056	.....	1,171	160	3	2	5	1,171	.....	.....	.....	do.....	do.	21
1,750	.....	1,000	80	3	2	5	1,000	.....	.....	.....	do.....	do.	22
2,000	.....	1,000	210	3	2	5	1,000	.....	.....	30	do.....	do.	23
1,470	.....	980	180	3	2	5	980	.....	.....	10	do.....	do.	24
1,296	.....	864	100	3	2	5	864	.....	.....	50	do.....	do.	25
1,290	.....	860	180	2	1	3	860	.....	.....	175	do.....	do.	26
960	.....	640	200	2	1	3	640	.....	.....	.....	do.....	do.	27
834	.....	558	140	2	1	3	558	.....	.....	.....	do.....	do.	28
720	.....	480	100	2	1	3	480	.....	.....	.....	do.....	do.	29
960	.....	480	100	3	1	4	480	.....	.....	.....	do.....	do.	30
654	.....	436	100	1	1	2	436	.....	.....	.....	do.....	do.	31
743	.....	425	125	1	1	2	425	.....	.....	.....	do.....	do.	32
600	.....	400	120	1	1	2	400	.....	.....	.....	do.....	do.	33
686	.....	392	50	2	1	3	392	.....	.....	.....	do.....	do.	34
630	.....	360	150	2	1	3	360	.....	.....	.....	do.....	do.	35
595	.....	340	35	2	1	3	340	.....	.....	.....	do.....	do.	36
480	.....	320	144	2	1	3	320	.....	.....	.....	do.....	do.	37

## Peoria County—Third District—Concluded.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES—Continued.						
38	Edward Seigel .....	Oak Hill .....	300			300
39	Lorenzo Clarkson .....	..do .....	240			240
40	Robert Scott .....	..do .....	240			240
41	Harry J. Green .....	Hanna City .....	240			240
42	Chas. Blust .....	Laura .....	204			204
43	Saunders & Simons .....	Chillicothe .....	204			204
44	Beny Walford .....	Hanna City .....	200			200
45	Cruse & Baldi .....	..do .....	200			200
45	Robert Bale .....	Brimfield .....	200			200
47	Lorenzo Clarkson No. 2 .....	Oak Hill .....	200			200
48	Frank Richiger .....	Mapleton .....	160			160
49	Ben H. Johnson .....	Peoria .....	160			160
50	John Harvey .....	Sparland .....	150			150
51	Peters Bros. .....	Mapleton .....	120			120
52	Ash Johnson .....	Hanna City .....	40			40
53	M. Snider .....	Oak Hill .....	20			20
54	Fred Martin .....	Peoria .....	500			500
Totals .....			120,763	10,790	1,000	132,553
Totals—71 mines .....			359,653	427,392	193,073	1,054,673

Mines reported for 1907, 52.

New mines, 20.

Abandoned mines, 1.

Mines in 1908, 71.

Peoria County—Third District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employés.	Total.		Killed.	Injured.				
450		300	150	2	1	3	300		20	do		38	
360		240	120	2	1	3	240		20	do		39	
360		240	180	2	1	3	240		14	do		40	
360		240	180	1		1	240		14	do		41	
306		204	72	2		2	204			Mined		42	
306		204	128	2		2	204			Solid		43	
300		200	70	2		2	200		10	do		44	
300		200	90	2		2	200		4	do		45	
300		200	60	2		2	200		5	do		46	
300		200	72	2		2	200		10	do		47	
240		160	60	2		2	160		10	do		48	
240		160	80	1		1	160		12	do		49	
225		150	50	2		2	150			Mined		50	
180		120	40	2		2	120			do		51	
60		40	26	1		1	40		3	Solid		52	
30		20	20	1		1	20			Mined		53	
750		500	210	1		1	500		20	Solid		54	
<b>\$189,405</b>		<b>132,553</b>	<b>144</b>	<b>200</b>	<b>70</b>	<b>270</b>	<b>132,553</b>			<b>7,521</b>			
<b>\$1,294,217</b>	<b>877,792</b>	<b>176,881</b>	<b>....</b>	<b>1,112</b>	<b>380</b>	<b>1,492</b>	<b>1,054,673</b>	<b>2</b>	<b>6</b>	<b>60,381</b>			

## Putnam County—Third District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	St. Paul Coal Co. No. 1.....	Granville.....	4,432	230,990	49,798	285,220
2	B. F. Berry Coal Co. No. 1.....	do.....	5,486	81,543	30,887	117,916
	Totals.....	.....	9,918	312,533	80,685	403,136

Mines reported for 1907, 2.

New mines, 1.

Abandoned mines, 1.

Mines in 1908, 2.

## Stark County—Third District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	F. J. Fleming & Co.....	Wyoming.....	1,556	4,448	170	6,174
2	V. B. Ballantine.....	do.....	.....	4,648	694	5,324
3	Nick Peterson.....	Bradford.....	.....	2,400	600	3,000
4	Theodore McDaniel & Co.....	Wyoming.....	2,073	.....	.....	2,073
5	James Scott.....	do.....	1,600	.....	.....	1,600
6	Wm. Anderson & Watson.....	do.....	89	2,465	880	3,434
7	As. Savill.....	do.....	.....	2,311	100	2,411
8	S. French.....	Bradford.....	.....	200	50	250
9	Ora Jacobs.....	do.....	.....	100	.....	100
10	Beaver Bros.....	Wyoming.....	.....	60	.....	60
	Totals.....	.....	5,318	16,632	2,494	24,444

Mines reported for 1907, 11.

Abandoned mines, 1.

Mines in 1908, 10.

*Putnam County—Third District—Concluded.*

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employés.	Total.		Killed.	Injured.				
\$427,000	277,370	7,850	254	368	128	496	285,220	.....	9	.....	.....	W....	1
176,023	109,959	7,957	254	138	90	228	117,916	.....	2	.....	.....	do..	2
\$603,023	387,329	15,807	254	506	218	724	403,136	.....	2	15	.....		

*Stark County—Third District—Concluded.*

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employés.	Total.		Killed.	Injured.				
\$8,617	.....	6,174	150	13	3	16	6,174	.....	.....	250	Solid .....	.....	1
8,481	.....	5,342	200	8	1	9	5,342	.....	.....	225	.....	.....	2
5,550	.....	3,000	250	6	1	7	3,000	.....	.....	150	.....	.....	3
4,146	.....	2,073	185	6	1	7	2,073	.....	.....	96	.....	.....	4
2,800	.....	1,600	200	6	1	7	1,600	.....	.....	120	.....	.....	5
2,503	.....	1,434	170	8	2	10	3,434	.....	.....	237	.....	.....	6
1,094	.....	2,411	200	6	1	7	2,411	.....	.....	160	.....	.....	7
400	.....	250	120	6	1	7	250	.....	.....	10	.....	.....	8
200	.....	100	64	2	1	3	100	.....	.....	4	.....	.....	9
120	.....	60	30	1	1	4	60	.....	.....	3	.....	.....	10
\$39,911	.....	24,444	157	62	13	75	24,444	.....	.....	1,254	.....	.....	

## Woodford County—Third District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Roanoke Coal Co. No. 1.....	Pekin.....	47,600	35,653	17,150	100,403
2	Minonk Coal Co. No. 2.....	Minonk.....		25,353	37,384	62,737
	Totals.....		47,600	61,006	54,534	163,140

Mines reported for 1907, 2.

Mines in 1908, 2.



Woodford County—Third District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$145,584	80,223	20,180	252	160	75	235	100,403	.....	3	.....	.....	Pneu.	1
81,558	49,214	13,523	199	144	41	185	62,737	.....	.....	.....	.....	Elec..	2
\$227,142	129,437	33,703	226	304	116	420	163,140	.....	3	.....	.....		

*Shipping Mines—Recapitulation by*

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Livingston.....	2	110,428	63,706	10,143	16,666	29,537	8,855	239,335	\$1.305
Marshall.....	3	117,765	210,017	4,823	.....	50,918	19,207	402,730	1.561
Peoria.....	17	238,890	416,602	3,000	63,952	192,073	7,603	922,120	1.198
Putnam.....	2	9,918	312,533	9,588	.....	71,097	.....	403,136	1.496
Woodford.....	2	47,600	61,006	25,496	2,966	26,072	.....	163,140	1.392
Total.....	26	524,601	1,063,864	53,050	83,584	309,697	35,665	2,130,461	\$1.346

*Local Mines—Recapitulation by*

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Livingston.....	6	20,446	28,951	.....	.....	13,610	.....	63,007	\$1.751
Marshall.....	7	14,759	3,309	.....	.....	2,231	.....	20,299	1.415
Peoria.....	54	120,763	10,790	.....	.....	1,000	.....	132,553	1.429
Starke.....	10	5,318	16,632	.....	.....	2,324	170	24,444	1.633
Total.....	77	161,286	59,682	.....	.....	19,165	170	240,303	\$1.534
Grand total.....	103	685,887	1,123,546	53,050	83,584	388,862	35,835	2,370,764	.....

Whole number of mines reported in 1907, 89.  
 Number of new mines opened during the year, 22.  
 Number of mines abandoned during the year, 8.  
 Whole number of mines reported for 1908, 103.

Counties—Third District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.					Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.			From solid—Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.							
220,104	19,231	258	245	78	12	19	354	239,335	2,992	239,335		
321,157	81,573	244	682	139	25	61	907	402,730		402,730		
877,792	44,328	192	912	182	24	104	1,222	922,120	52,860	922,120		
387,329	15,807	254	506	130	6	82	724	403,136		403,136		
129,437	33,703	226	304	63	26	27	420	163,140		163,140		
1,935,819	194,642	213	2,649	592	93	293	3,627	2,130,461	55,852	2,130,461		

Counties—Third District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.					Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.			From solid—Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.							
.....	63,007	221	88	4	.....	7	99	63,007	2,799	63,007		
.....	20,299	149	46	3	.....	5	54	20,299	1,001	20,299		
.....	132,553	144	200	28	.....	42	270	132,553	7,521	132,553		
.....	24,444	157	62	1	.....	12	75	24,444	1,254	24,444		
.....	240,303	152	396	36	.....	66	498	240,303	12,575	240,303		
1,935,819	434,945	.....	3,045	628	93	359	4,125	2,370,764	68,427	2,370,764		

## FOURTH INSPECTION DISTRICT—1908.

## THIRD ANNUAL REPORT.

Counties: Fulton, Hancock, McDonough, McLean, Tazewell.

*Hon. David Ross, Secretary Bureau of Labor Statistics, Springfield, Ill.:*

Sir—In compliance with section 12 of the mining laws of the State of Illinois, defining the duties of the State inspectors of coal mines, I have the honor to herewith submit the third annual report of the coal mines in the fourth inspection district. This report contains, in addition to the following summary of items, the depth of coal from the surface, the thickness of coal in feet and inches; the geological number of the seam; the nature of the opening, whether shaft, slope, or drift; the power for raising coal, steam, horse, or hand; the system of working, longwall or room and pillar, and the method of mining. The following is a summary of the items contained in the report:

Number of mines .....	146
Number of new mines .....	13
Number of abandoned mines .....	14
Number of shipping mines .....	37
Number of local mines .....	109
Tons of mine run coal .....	358,280
Tons of lump coal .....	1,092,124
Tons of egg coal .....	365,521
Tons of nut coal .....	98,400
Tons of pea or screenings coal .....	555,764
Tons of slack or waste coal .....	54,513
Tons of all grades of coal .....	2,524,602
Aggregate value of total product all mines .....	\$3,002,398
Tons loaded on cars for shipment .....	2,173,074
Tons supplied to locomotives at mines .....	63,008
Tons sold to local trade .....	219,876
Tons consumed or wasted at mines .....	68,653
Average number of days of active operation, shipping mines .....	199
Tons mined by hand .....	2,524,602
Number of miners .....	3,193
Number of other employés under ground .....	711
Number of boys underground .....	71
Number of employés above ground .....	331
Total number of employés .....	4,306
Number of kegs of powder consumed .....	129,664
Number of fatal accidents .....	3
Number of non-fatal accidents .....	24
Number of wives made widows .....	2
Number of children left fatherless .....	1
Number of employés to each fatal accident .....	1,435
Number of tons of coal to each fatal accident .....	841,534
Ratio of fatal accidents per 1000 employed .....	.70
Number of employés to each non-fatal accident .....	179
Number of tons of coal to each non-fatal accident .....	195,192

## NEW MINES.

The new mines from which reports have been received for the first time are the Simmons Coal Company, Canton, and Mine No. 2 of the Star Coal Company, Cuba. The Burney Coal Company has sunk a new mine at Colchester, McDonough county. In Fulton county the Star Coal Company has opened a new mine at Fiatt. The Alden Coal Company has opened a new mine one and a half miles north of Norris, and the National Coal Company a new mine one and a half miles east of Middle Grove.

## ABANDONED MINES.

The Burney Coal Company, Colchester, McDonough county, abandoned its mine Feb. 15, 1908. The mine known as Buckhart or "D" of the Whitebreast Fuel Company was abandoned April 1, 1908. This mine was located at St. David, Fulton county. The Monarch Coal and Mining Company's mine, Farmington, was abandoned Jan. 1, 1908.

May 12th the top works of the Applegate & Lewis Coal Company's mine, Cuba, was destroyed by fire; there not being a sufficient amount of coal left in the mine to justify rebuilding, the company decided to abandon the mine.

## BUSINESS CHANGES.

The Big Creek Coal Company, St. David, has purchased mine "D," formerly owned and operated by the Whitebreast Fuel Company, Dunfermline. The Alden Coal Company has purchased the Farmington Coal Company's mine at Farmington.

## IMPROVEMENTS.

The Big Creek Coal Company has installed electric motors in mine No. 4, Dunfermline, doing away with mule haulage to the bottom of the shaft. The Maplewood Coal Company has also put in a system of electric motor haulage at mine No. 1, Farmington. The Alden Coal Company has remodeled the mine recently purchased from the Farmington Coal Company, putting in new shaker screens, boilers and track scales, also repairing and adding to its railroad tracks.

## OUTPUT.

COUNTIES.	TOTAL PRODUCT OF ALL GRADES OF COAL IN TONS.		Increase.	Decrease.
	1907	1908		
Fulton.....	1,993,401	2,141,489	148,088	.....
Hancock.....	11,532	6,686	.....	4,846
McDonough.....	46,389	35,576	.....	10,813
McLean.....	154,943	122,416	.....	32,527
Tazewell.....	216,901	218,435	1,534	.....
Totals.....	2,423,166	2,524,602	149,622	48,186
Net increase.....	.....	.....	101,436	.....

Notwithstanding the fact that there was a total suspension of work in all the shipping mines of nearly two months duration this year, the fourth district shows a net increase of 101,436 tons over 1907. Fulton county increased

148,088 tons and Tazewell county 1,534 tons over 1907, while Hancock, McDonough and McLean counties show a decrease of 4,846, 10,813 and 32,527 tons respectfully. The large decrease in McLean county can be accounted for from the fact that in September, 1907, a fire occurred in the McLean County Coal Company's mine which practically prevented it from operating the lower seam during the winter. The counties of McDonough and Hancock have only small mines and the probabilities are the production will decrease rather than increase in the future.

#### FATAL ACCIDENTS.

July 11, 1907, Joe Kawzkarich, trapper, aged 17 years, single, employed in the mine of the Monmouth Coal Company, Brereton, was fatally injured. Deceased was riding on the front end of a loaded pit car, when, coming to a low place, he was caught between the coal and roof, receiving injuries from which he died the next day.

Dec. 19, 1907, Lewis Provard, laborer, aged 23 years, married, was instantly killed by a fall of rock in the Cantou Coal Company's mine, Canton. Deceased was engaged in taking down loose rock from the roof when it fell, crushing him. He leaves a widow and one child.

June 29, 1908, Arthur Heddon, topman, aged 25 years, married, employed at the No. 2 mine of the Maplewood Colliery Company, Farmington, was instantly killed under the wheels of a railroad car. The deceased was attempting to get on the car, which was in motion, with the result as above stated. He leaves a widow.

Following will be found the tables for each county, also the tables for fatal and non-fatal accidents.

Respectfully submitted,

THOMAS WEEKS,

*State Inspector of Mines, Fourth District, Bloomington, Ill.*

*Fatal Casualties—Fourth District—July 1, 1908.*

Date.	Name.	Age.	Occupation.	Residence (Town.)	Married.	Widows.	Children.	Single.	Persons dependent.	Cause of Accident.
1907										
July 11	Joe Kauzlarich.....	17	Trapper.....	Brereton.....				1		Pit car.....
Dec. 19	Louis Bevard.....	27	Laborer.....	Canton.....	1	1	1			Falling slate.....
1908										
June 29	Arthur Hedden.....	28	do.....	Farmington....	1	1			1	Railroad car.....
	Total—3.....				2	2	1	1	3	

*Recapitulation of Fatal Casualties—Fourth District—1908.*

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Brereton.....	1	Laborers.....	2	Falling slate.....	1	Canton Coal Co.....	1
Canton.....	1	Trapper.....	1	Pit car.....	1	Maplewood Coal Co.....	1
Farmington.....	1			Railroad car.....	1	Monmouth Coal Co.....	1
Totals.....	3		3		3		3

## Non-Fatal Casualties—Fourth District—July 1, 1908.

Date.	Name.	Age	Residence. (Town.)	Married.	Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1907									
Aug. 26	Geo. Duckworth.....	24	Norris.....	1	1			Leg broken, pit car.....	60
Sept. 10	N. Monti.....	37	Farmington.....	1			1	Leg broken, falling slate.....	45
13	Wm. Williams.....	48	do.....	1			1	Body burned, gas explosion.....	30
22	Henry Lowe.....	37	East Peoria.....	1		3		Foot crushed, pit car.....	63
30	Albert Goxen.....	19	Norris.....	1	1			Leg broken, pit car and door.....	45
Oct. 11	Peter Walek.....	30	Farmington.....	1		1		Leg broken, pit car.....	60
18	Morgan Davis.....	19	St. David.....	1				Foot and back injured, falling coal.....	60
26	Fellmore Miller.....	30	Canton.....	1			1	Head and Shoulders injured, flying coal.....	36
Nov. 1	John Buyace.....	22	Brereton.....	1				Foot fractured, pit car.....	30
4	Peter Johnson.....	54	Pekin.....	1		5		Leg broken, flying coal.....	180
8	Willis Toller.....	42	Bloomington.....	1				Legs bruised, flying coal.....	90
21	David Stewart.....	53	Augusta.....	1		5		Pelvis bone broken, falling rock.....	156
25	William Walsh.....	64	Cuba.....	1		6		Leg bruised, flying coal.....	42
Dec. 4	Ed. Bernardi.....	22	Farmington.....	1				Leg broken, pit car.....	45
10	Jacob Lassik.....	35	Norris.....	1				Hand cut, falling slate.....	30
11	Clifford Slyke.....	18	Cuba.....	1				Collar bone broken, pit car.....	35
28	Chas. Sweringer.....	26	Farmington.....	1				do.....	30
Feb. 1	H. Knoth.....	53	Bloomington.....	1		3		Chin cut, fell down steps.....	90
10	John Hanson.....	47	East Peoria.....	1		6		Foot bruised, falling coal.....	90
18	Robert Appleby.....	49	do.....	1				Leg broken, pit car.....	50
Mar. 3	Peter Johnson.....	49	Bloomington.....	1		5		Shoulders and hip bruised, fal- ling coal.....	90
Apr. 9	Thos. E. Wilson.....	51	Blandinsville.....	1		3		Ankle broken, falling coal.....	50
May 15	James Shaw.....	58	Farmington.....	1				Leg broken, falling coal.....	45
June 17	Edward Russell.....	45	Cuba.....	1		4		Hip dislocated, falling slate.....	*
	Totals.....			14	10	41	55		

\*Not recovered July 1, 1908...

Total number of men injured.....	24
Not recovered July 1, 1908.....	1
Numbered recovered July 1, 1908.....	23
Time lost by men recovered, days.....	1,452
Average time lost by men recovered, days.....	63.13



*Recapitulation of Non-Fatal Casualties—Fourth District—1908.*

Residence.	No	Occupation.	No	Cause of Accident.	No	Colliery.	No.
Augusta.....	1	Drivers.....	7	Falling coal.....	5	Eagle Mining Co.....	1
Blandinsville.....	1	Laborers.....	1	Falling down steps.....	1	Ellis, C. H.....	1
Bloomington.....	3	Miners.....	12	Falling rock.....	1	McLean County Coal Co.....	3
Brereton.....	1	Shot firers.....	2	Falling slate.....	3	Maplewood Coal Co.....	6
Canton.....	1	Timbermen.....	1	Flying coal.....	4	Monmouth Coal Co.....	2
Cuba.....	3	Track layers.....	1	Gas explosion.....	1	Norris Coal & Mining Co.....	3
E. Peoria.....	3			Pit cars.....	8	Phoenix Coal Co.....	1
Farmington.....	6			Pit car and door.....	1	Simmons Coal Co.....	1
Norris.....	3					Cummins, A. B., Est.....	2
Pekin.....	1					Star Coal Co.....	2
St. David.....	1					Tazewell Coal Co.....	1
						Wilson Coal Co.....	1
Totals.....	24		24		24		24

*Recapitulation of Non-Fatal Casualties, Nature of Injuries, Conjugal Relations and Time Lost—Fourth District—June 30, 1908.*

NATURE OF INJURIES.	Number.	Married.	Single.	Children.	Dependents.	TIME LOST—DAYS.		Percent- age of injuries.
						Total.	Average.	
Ankle broken.....	1	1	.....	3	4	50	50.00	4.17
Body bruised.....	1	1	.....	.....	1	30	30.00	4.17
Chin cut.....	1	1	.....	3	4	90	90.00	4.17
Collar bone broken.....	2	.....	2	.....	.....	65	32.50	8.33
Feet fractured.....	2	.....	2	.....	.....	90	45.00	8.33
Feet bruised.....	1	1	.....	6	7	90	90.00	4.17
Feet crushed.....	1	1	.....	3	4	63	63.00	4.17
Hand cut.....	1	.....	1	.....	.....	30	30.00	4.17
Head and shoulders bruised.....	1	1	.....	.....	1	36	36.00	4.17
Hips dislocated.....	1	1	.....	4	5	.....	.....	4.17
Legs broken.....	8	4	4	6	10	530	66.25	33.33
Legs bruised.....	2	1	1	6	7	132	66.00	8.33
Pelvis bone broken.....	1	1	.....	5	6	156	156.00	4.17
Shoulders, thighs and hips bruised.....	1	1	.....	5	6	90	90.00	4.17
Totals.....	24	14	10	41	55	1,452	63.13	100.00

## Fulton County—Fourth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Big Creek Coal Co. No. 2.....	St. David.....	7,314	99,812	114,395	221,521
2	Maplewood Colliery Co. No. 2.....	Farmington.....	5,729	105,738	150,011	261,478
3	Big Creek Coal Co. No. 4.....	Dunfermline.....	23,139	69,237	126,271	218,647
4	Monmouth Coal Co. No. 1.....	Bereton.....	2,382	68,933	135,432	206,747
5	Maplewood Coal Co. No. 1.....	Farmington.....	3,498	84,199	60,737	148,434
6	Canton Coal Co., Drake's.....	Canton.....	1,628	54,617	121,567	177,812
7	Big Creek Coal Co. No. 3.....	Cuba.....	1,577	70,319	36,297	108,193
8	Norris Coal Mining Co., Norris.....	Norris.....	554	52,764	84,226	137,544
9	Star Coal Co., No. 1.....	Cuba.....	43	63,961	32,807	96,811
10	*Simmons Coal Co., Simmons.....	Canton.....	14,054	30,904	39,981	84,939
11	Eagle Mining Co., Eagle.....	do.....	14,859	41,755	24,063	80,707
12	Newsam Bros., Maplewood.....	Farmington.....	735	48,577	14,621	63,933
13	*Applegate & Lewis Coal Co., West Cuba.....	Cuba.....	27,558	21,138	13,201	61,897
14	East Cuba Coal Mining Co., No.1.....	do.....	21,104	10,134	4,981	36,219
15	Astoria & Woodland Coal Co., Merrill farm.....	Astoria.....	170	21,569	11,864	33,603
16	Spoon River Coal Co., Ellisville.....	Ellisville.....	4,985	9,843	6,735	21,563
17	Farmington Coal Co., Nickel Plate.....	Farmington.....	2,008	12,512	5,673	20,193
18	*Star Coal Co., No. 2.....	Cuba.....	80	12,796	6,676	19,552
19	Spoon River Coal Co., No. 1.....	Mayton.....	2,767	9,842	6,746	19,355
20	W. D. Myers, Buckhart.....	St. David.....	.....	3,540	14,160	17,700
21	*Z. R. Riley, North Side.....	Breeds.....	8,600	200	125	8,925
22	Essex & Fritz C. Mine Co., Parrville Mine.....	Parville.....	1,000	3,000	1,500	5,500
23	*Monarch Coal & Mining Co., Pond Lily.....	Farmington.....	5,000	.....	.....	5,000
24	*Wm. Scripps Coal Co., Buckhart.....	St. David.....	373	1,468	3,019	4,860
25	*Magee Coal Co., Magee's.....	Breeds.....	2,654	.....	.....	2,654
26	Galesburg Union Supply Co., Tate's Mine.....	Parrville.....	132	1,740	840	2,712
27	Sunnyside Fuel Co., Sunnyside.....	Cuba.....	5,061	6,555	2,940	14,556
	Totals.....	.....	157,004	905,183	1,018,868	2,081,055
LOCAL MINES.						
1	Geo. Westerby.....	Farmington.....	.....	7,000	3,000	10,000
2	James Yocum.....	Lewistown.....	.....	3,010	1,000	4,010
3	Joe McLaughlin.....	Canton R. R. 8.....	.....	4,000	.....	4,000
4	John Kinnamon.....	Ipava.....	844	2,066	244	3,154
5	Harry Siever.....	Lewistown.....	.....	3,000	.....	3,000
6	A. J. Gunnett.....	Fairview.....	1,205	1,205	.....	2,410
7	Frank Hubbell.....	Avon R. R. 1.....	2,000	.....	.....	2,000
8	John W. Rakestraw.....	St. David.....	1,945	.....	.....	1,945
9	Daniel Bollinger.....	Cuba.....	.....	1,664	.....	1,664
10	Daniel Williams.....	Rapatee R. R. 35.....	.....	1,600	.....	1,600
11	H. Vice.....	Fairview.....	.....	1,600	.....	1,600
12	A. McBroom.....	Canton R. R. 2.....	.....	1,400	80	1,480
13	Ed Wages.....	Canton.....	.....	1,400	40	1,440
14	John Goodman.....	Lewistown.....	.....	1,400	.....	1,400
15	W. T. McBride.....	Fairview.....	.....	1,200	.....	1,200
16	Wm. Fouraker & Miller.....	Marrietta.....	.....	1,120	.....	1,120
17	De Moss & Peirce.....	Canton.....	.....	800	220	1,020
18	Emberling Coal Co.....	Ellisville.....	1,000	.....	.....	1,000
19	L. D. Huggans.....	Canton.....	.....	800	200	1,000
20	Arthur Hamilton.....	Glassford.....	.....	800	.....	800
21	Thos. Travers.....	Fairview.....	.....	800	.....	800
22	Jas. A. Mann.....	Canton R. R. 3.....	.....	800	.....	800
23	Louis Putman.....	do.....	.....	800	.....	800
24	Anderson & Savill.....	Canton.....	.....	600	80	680
25	J. M. Davis.....	Vermont.....	220	440	.....	660
26	Taylor & Workman.....	Avon.....	.....	640	.....	640
27	Mordeca Morris.....	Fiatt.....	.....	640	.....	640

Fulton County—Fourth District—Continued.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employ'cs.	Total.		Killed.	Injured.				
\$249,596	215,883	5,638	225	247	98	345	221,521			12,940	Solid	Pneu.	1
292,853	257,887	3,591	220	195	115	310	261,478	1	3	15,705	do.	do.	2
246,672	211,986	6,661	230	190	80	270	218,647			11,928	do.	do.	3
229,894	202,151	4,596	212	186	79	265	206,747	1	2	11,231	do.	do.	4
158,406	141,449	6,985	200	135	85	220	148,434		3	8,246	do.	do.	5
204,483	177,332	480	246	162	57	219	177,812	1		10,187	do.	Pneu.	6
121,898	103,116	5,077	221	130	42	172	108,193			5,402	do.	do.	7
170,775	117,315	20,229	216	140	47	187	137,544		3	7,513	do.	do.	8
113,400	95,251	1,560	194	121	36	157	96,811		2	5,100	do.	W	9
95,131	82,018	2,921	170	90	22	112	84,939			4,498	do.	Pneu.	10
89,989	66,451	14,256	227	92	28	120	80,707		1	4,125	do.	do.	11
71,605	60,798	3,135	225	65	28	93	63,933			3,407	do.	St. W	12
74,276	47,719	14,178	173	97	42	139	61,897			2,376	do.	W	13
39,840	34,519	1,700	171	90	16	106	36,219			1,600	do.	Pneu.	14
40,933	32,403	1,200	206	43	14	57	33,603			1,365	do.	W	15
25,300	21,563	2,037	197	40	15	50	21,563			1,571	do.	do.	16
24,029	18,156	702	215	29	19	48	20,193			1,180	do.	W	17
20,500	19,302	250	121	34	8	42	19,552			1,005	do.	do.	18
29,033	19,355		120	40	10	50	19,355			1,571	do.	do.	19
21,240	17,000	700	144	40	14	54	17,700			720	do.	do.	20
9,460	8,900	25	200	10	4	14	8,925			400	do.	do.	21
8,000	5,500		225	10	2	12	5,500			150	do.	do.	22
6,250	5,000		90	8	2	10	5,000			150	do.	do.	23
5,074	4,207	653	49	32	17	49	4,860			212	do.	W	24
2,805	2,419	235	112	8	4	12	2,654			125	do.	do.	25
3,246	2,712		150	10		10	2,712			683	do.	do.	26
18,686	13,445	1,112	213	19	4	23	14,556						27
\$2,373,374	1,983,837	97,218	193	2,263	883	3,146	2,081,055	3	15	113,490			
\$13,750		10,000	250	8	3	11	10,000			450	Solid	W	1
7,520		4,010	200	10	2	12	4,100			125	U. C.	do.	2
6,000		4,000	200	8	2	10	4,000			231	Solid	do.	3
5,005		3,154	300	5		5	3,154			100	do.	do.	4
5,250		3,000	200	2		2	3,000			100	do.	do.	5
3,314		2,410	300	4		4	2,410			60	do.	do.	6
3,000		2,000	150	6		6	2,000			75	do.	do.	7
2,917		1,945	200	8		8	1,945			115	do.	do.	8
2,288		1,664	250	3		3	1,664			75	do.	do.	9
2,400		1,600	150	4		4	1,600			50	do.	do.	10
2,400		1,600	150	2		2	1,600			50	do.	do.	11
2,164		1,480	200	6		6	1,480			60	do.	do.	12
2,132		1,440	125	3		3	1,440			50	do.	do.	13
1,650		1,400	200	8		8	1,400			70	do.	do.	14
1,650		1,200	200	2		2	1,200			50	do.	do.	15
1,960		1,120	215	6		6	1,120				Mined	do.	16
1,360		1,020	60	10		10	1,020			60	Solid	do.	17
1,750		1,000	260	5		5	1,000			50	do.	do.	18
1,300		1,000	200	6		6	1,000			50	do.	do.	19
1,200		800	200	2		2	800			50	do.	do.	20
1,200		800	150	3		3	800			50	Mined	do.	21
1,000		800	100	2		2	800			50	do.	do.	22
1,000		800	120	2		2	800			50	Solid	do.	23
960		680	150	12	2	14	680			250	do.	do.	24
1,232		660	221	8		8	660				Mined	do.	25
1,680		640	175	3		3	640			50	Solid	do.	26
960		640	150	2		2	640			50	do.	do.	27

## Fulton County—Fourth District—Concluded.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
<i>LOCAL MINES—Continued.</i>						
28	A. B. Nace.....	Farmington.....		640		640
29	J. E. Johnson.....	Canton R. R. 3.....		600		600
30	E. R. Knickerbocker.....	Fairview.....		600		600
31	Joseph Wilson.....	Astoria.....		531		531
32	Eli Clemens.....	Table Grove.....		500		500
33	John A. Lamb.....	Canton R. R. 6.....		419		419
34	Sam Parr.....	Fairview.....		400		400
35	Wm. Fennell.....	Middle Grove.....		360		360
36	John Akerson & Son.....	Cuba.....	480			480
37	C. F. Rouden.....	do.....	300	100		400
38	Perry Pollett.....	Canton R. R. 6.....	320			320
39	E. D. Woodcock.....	Canton R. R. 3.....	320			320
40	W. Hickman.....	Marietta.....	320			320
41	John W. Williams.....	Canton R. R. 7.....	280			280
42	Dewitt Brothers.....	Fairview.....	280			280
43	John Porter.....	Cuba R. R. 3.....	240			240
44	Miller & Hand.....	Fairview.....	240			240
45	John Stufflebeam.....	Lewistown R. 4.....	200			200
46	Henry Grissby.....	do.....	200			200
47	Andrew Nuneker.....	Bushnell.....	200			200
48	William Whitehead.....	Lewistown R. 4.....	200			200
49	Wilcockson Bros.....	do.....	160			160
50	L. M. Turner.....	Fairview.....	140			140
51	Geo. Swope.....	Ipava.....	132			132
52	De Moss & Peirce No. 1.....	Canton.....	80			80
53	Ed. Clarkson.....	Fairview.....	80			80
54	Stufflebeam & Lightle.....	St. David.....	48			48
55	Chas. A. Hall.....	Canton R. R. 6.....	40			40
56	Frank Weaver.....	Lewistown R. 4.....	24			24
57	James May.....	do.....		1,097		1,097
58	J. R. Collins.....	do.....		40		40
	Total.....		10,498	45,072	4,864	60,434
	Totals—85 mines.....		167,502	950,255	1,023,732	2,141,489

Mines reported for 1907, 73.

New mines, 12.

Mines in 1908, 85.

*Fulton County—Fourth District—Concluded.*

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
1,120		640	250	3		3	640				Mined..	23	
750		600	100	2		2	600			50	Solid..	29	
900		600	175	3		3	600			50	do.	30	
1,062		531	150	3		3	531			40	do.	31	
775		500	200	3		3	500			30	do.	32	
534		419	150	2		2	419			30	do.	33	
600		400	150	2		2	400			20	do.	34	
540		360	150	2		2	360			3	Mined..	35	
720		480	100	2		2	480			30	Solid..	36	
450		400	100	2		2	400			30	do.	37	
480		320	100	2		2	320			20	do.	38	
480		320	100	1		1	320			20	do.	39	
480		320	150	3		3	320			20	do.	40	
350		280	100	1		1	280			15	Mined..	41	
420		280	150	2		2	280			15	do.	42	
300		240	150	2		2	240			15	do.	43	
360		240	100	2		2	240			15	do.	44	
350		200	150	2		2	200			20	do.	45	
300		200	150	2		2	200			20	do.	46	
400		200	150	2		2	200			20	Mined..	47	
250		200	100	2		2	200			20	Solid..	48	
280		160	150	3		3	160			15	do.	49	
175		140	60	1		1	140			8	do.	50	
198		132	150	1		1	132			8	do.	51	
100		80	200	6		6	80			20	Mined..	52	
160		80	30	1		1	80			20	Solid..	53	
60		48	20	4		4	80			15	do.	54	
50		40	20	4		4	40	1,248		100	do.	55	
30		24	30	1		1	24			5	do.	56	
2,194		1,097	170	5		5	1,097				do.	57	
70		40	30	2		2	40				Mined..	58	
											do.		
92,078	60,434	152	211	9	220	60,434	2,927			2,927			
\$2,465,452	1,983,837	157,652	2,474	892	3,366	2,141,489	3	15	116,417				

*Hancock County—Fourth District—1908.*

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Meredith Bros. ....	Augusta .....		4,250		4,250
LOCAL MINES.						
1	W. C. Courtney .....	Augusta .....		1,000		1,000
2	C. H. Ellis .....	do .....		800	36	836
3	W. C. Young .....	do .....		600		600
	Totals .....			2,400	36	2,436
	Totals—4 mines .....			6,650	36	6,686

Mines reported for 1907, 7.

Abandoned mines, 3.

Mines in 1908, 4.

Hancock County—Fourth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employé's.	Total.		Killed.	Injured.				
\$8,500	4,000	250	200	7	2	9	4,250	.....	.....	.....	.....	W....	1
\$2,250	.....	1,000	300	4	.....	4	1,000	.....	.....	.....	Mined..	.....	1
2,027	.....	836	200	5	.....	5	836	.....	1	.....	..do..	.....	2
1,350	.....	600	245	2	.....	2	600	.....	.....	.....	..do..	.....	3
\$5,627	.....	2,436	248	11	.....	11	2,436	.....	1	.....	.....	.....	.....
\$14,127	4,000	2,686	.....	18	2	20	6,686	.....	1	.....	.....	.....	.....

## McDonough County—Fourth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Burney Coal Co .....	Colchester.....	11,864			11,864
LOCAL MINES.						
1	Rippetoe Coal Co.....	Colchester.....		3,064	768	3,832
2	John Wilson.....	do.....		2,989	223	3,212
3	Chas. P. Sweeney.....	Vermont.....		1,447		1,447
4	W. H. Robinson.....	Colchester R. 5.....		1,201		1,201
5	Samuel Oldham.....	Colchester.....		1,200		1,200
6	Amos Atkinson.....	do.....		1,200		1,200
7	Fox Brothers.....	do.....		1,003		1,003
8	Ralph Oldham.....	do.....		1,100		1,000
9	Frank Burdick.....	Industry.....		848		848
10	Thos. C. Wilson.....	Blandensville.....		640		640
11	John Berry.....	Colchester.....		527		527
12	Walter Upham.....	do.....		480		480
13	Joseph Bunt.....	do.....		427		427
14	W. S. Stonoking.....	Birmingham.....		400		400
15	Russell & Moon.....	Birmingham R. R. No. 2.....		400		400
16	Louis Lewis.....	Colchester.....		360		360
17	John R. Betson.....	do.....		400		400
18	Wm. Kipling & Bro.....	do.....		320		320
19	Wadill Brothers.....	Tennessee.....		320		320
20	Andrew Swanson.....	Colchester.....		280		280
21	Harpé & Kilgore.....	do.....		247		247
22	Alla Vawters.....	do.....		280		280
23	Issac Fisher.....	do.....		200		200
24	Oscar Curtis.....	Industry.....		240		240
25	Anton Lokosick.....	Colchester.....		100		100
26	Lee McClure.....	do.....		240		240
27	John V. Thompson.....	Macomb R.R. 5.....		820		820
28	James Guy.....	Colchester.....		240		240
29	C. H. Price.....	Macomb R.R. 6.....		400	40	440
30	B. F. Murry.....	Colchester.....		240		240
31	Frank Voglar.....	Birmingham.....		280		280
32	S. M. McCord.....	Colchester.....		200		200
33	Eli Hilliard.....	do.....		80		80
34	Philip Zemmings.....	Industry.....		120		120
35	Geo. M. Clark.....	Colchester R. R. No. 3.....		40		40
36	Andrew Swanson.....	Colchester.....		100		100
37	Thos. Nelson.....	do.....		100		100
38	J. E. Smith.....	do.....		80		80
39	Geo. Foster.....	do.....		48		48
40	Chas. Tone.....	do.....		32		32
41	Richard Saitey.....	do.....		32		32
42	Marion McClure.....	do.....		32		32
43	William Hulson.....	do.....		24		24
	Totals.....			22,681	1,031	23,712
	Totals—44 mines.....		11,864	22,681	1,031	35,576

Mines reported for 1907, 54.

Abandoned mines, 10.

Mines in 1908, 44.



McDonough County—Fourth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Injured.	Killed.				
\$18,000	11,335	529	134	40	4	44	11,864				U. C. ....	W. ....	1
\$17,180		3,832	150	15	3	18	3,832					W. ....	1
6,052		3,212	219	10	1	11	3,212					do. ....	2
2,894		1,447	230	7		7	1,447					do. ....	3
3,352		1,201	200	6		6	1,201					do. ....	4
2,400		1,200	150	7		7	1,200					do. ....	5
2,400		1,200	200	6		6	1,200					do. ....	6
2,006		1,003	250	6		6	1,003					do. ....	7
2,000		1,000	200	5		5	1,000					W. ....	8
1,908		848	200	5		5	848					do. ....	9
1,600		640	212	3		3	820					do. ....	10
1,054		527	180	2		2	400					do. ....	11
960		480	300	2		2	640	1				W. ....	12
960		480	200	4		2	360					do. ....	13
800		400	156	4		4	527					do. ....	14
900		480	170	2		2	320					do. ....	15
720		360	150	2		2	480					do. ....	16
900		400	180	2		2	280					do. ....	17
760		320	150	3		3	427					do. ....	18
710		320	200	2		2	280					do. ....	19
630		280	160	3		3	400					do. ....	20
494		247	125	3		3	240					do. ....	21
665		280	150	5		5	400					do. ....	22
400		200	150	5		5	240					do. ....	23
480		240	90	4		4	440					do. ....	24
200		100	150	2		2	240					do. ....	25
540		240	175	6		6	320					do. ....	26
1,640		820	250	1		1	240					do. ....	27
570		240	150	1		1	280					do. ....	28
820		440	180	3		3	200					do. ....	29
540		240	200	2		2	247					do. ....	30
560		280	150	5		5	120					do. ....	31
400		200	200	3		3	200					do. ....	32
180		80	90	2		2	100					do. ....	33
300		120	150	1		1	100					do. ....	34
80		40	60	1		1	100					do. ....	35
237		100	50	2		2	80					do. ....	36
200		100	50	1		1	80					do. ....	37
180		80	60	1		1	40					do. ....	38
114		48	30	1		1	48					do. ....	39
76		32	20	1		1	32					do. ....	40
72		32	20	1		1	32					do. ....	41
72		32	20	5		5	32					do. ....	42
54		24	15	2		2	24					do. ....	43
\$48,960		23,712	149	52	4	156	23,712		1				
\$66,960	11,335	24,241	....	192	8	200	35,576		1				

## McLean County—Fourth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	McLean County Coal Co.....	Bloomington...	12,000	54,000	22,898	88,898
2	Colfax Coöperative Co.....	Colfax.....	8,156	20,562	4,800	33,518
	Totals.....		20,156	74,562	27,698	122,416

Mines reported for 1907, 2.

Mines in 1908, 2.

*McLean County—Fourth District—Concluded.*

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting Coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$177,796 1 33,518	12,000 18,955	76,898 14,563	177 313	170 33	75 26	245 59	88,898 33,518	..... .....	3	..... 1,800	U. C.... Solid...	Pneu. E.....	1 2
\$211,314	30,955	91,461	245	203	101	304	122,416	..... .....	3	1,800			

## Tazewell County—Fourth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Tazewell Coal Co., Tazewell.....	Pekin.....	42,087	20,591	11,431	74,109
2	Phoenix Coal Co., No. 1.....	Peoria.....	37,775			37,775
3	Grant Bros. Coal & Ice Co., No. 1.....	Pekin.....	12,001	8,825	6,000	26,825
4	Eastern Coal Co., Eastern.....	Peoria.....	21,737			21,737
5	Champion Coal Co., Pekin.....	Pekin.....	7,463	8,560	4,270	20,293
6	Lake Erie Coal & Mining Co., Carters.....	Peoria.....	11,233			11,233
	Totals.....		132,292	37,976	21,701	191,969
LOCAL MINES.						
1	A. B. Cummings.....	East Peoria.....	13,390			13,390
2	G. Giebelhausen & Son.....	Peoria R. R. 34.....	7,797			7,797
3	Schmidt Bros.....	East Peoria.....	3,029			3,029
4	Martens & Fisher.....	do.....	2,000			2,000
5	Fred Seifer.....	do.....	250			250
	Totals.....		26,466			26,466
	Totals—11 mines.....		158,758	37,976	21,701	218,435

Mines reported for 1907, 11.

New mines, 1.

Abandoned mines, 1.

Mines in 1908, 11.

*Tazewell County—Fourth District—Concluded.*

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$78,556	68,627	5,482	248	90	36	126	74,109	.....	1	3,368	Solid...	Pneu.	1
43,441	36,315	1,463	192	50	22	72	37,775	.....	1	2,270	..do...	W....	2
29,239	18,000	8,825	259	32	11	43	26,825	.....	.....	1,554	..do...	..do..	3
23,900	10,000	11,737	187	35	8	43	21,737	.....	.....	1,162	..do...	Pneu.	4
22,319	9,080	11,210	259	20	5	25	20,293	.....	.....	812	..do...	W....	5
12,356	925	10,338	190	21	8	29	11,233	.....	.....	705	..do...	..do..	6
<u>\$209,811</u>	<u>142,947</u>	<u>49,022</u>	<u>220</u>	<u>248</u>	<u>90</u>	<u>338</u>	<u>191,969</u>	<u>.....</u>	<u>2</u>	<u>9,871</u>			
\$18,401	.....	13,390	150	25	7	32	13,390	.....	2	669	.....	W....	1
9,764	.....	7,797	175	11	4	15	7,797	.....	.....	388	.....	..do..	2
3,757	.....	3,029	182	10	4	14	3,029	.....	.....	151	.....	..do..	3
2,500	.....	2,000	225	10	5	15	2,000	.....	.....	100	.....	..do..	4
312	.....	259	22	2	.....	2	259	.....	.....	.....	.....	..do..	5
<u>\$34,734</u>	<u>.....</u>	<u>26,466</u>	<u>151</u>	<u>58</u>	<u>20</u>	<u>78</u>	<u>26,466</u>	<u>.....</u>	<u>2</u>	<u>1,308</u>			
<u>\$186,070</u>	<u>142,947</u>	<u>75,488</u>	<u>....</u>	<u>306</u>	<u>110</u>	<u>416</u>	<u>218,435</u>	<u>.....</u>	<u>4</u>	<u>11,179</u>			

*Shipping Mines—Recapitulation by*

COUNTIES	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Fulton.....	27	157,004	905,183	362,021	91,489	527,499	37,859	2,081,055	\$1.144
Hancock.....	1		4,250					4,250	2.000
McDonough.....	1	11,864						11,864	1.517
McLean.....	2	20,156	74,562	3,500	4,500	9,800	9,898	122,416	1.718
Tazewell.....	6	132,292	37,976		2,411	18,465	825	191,969	1.092
Total.....	37	321,316	1,021,971	365,521	98,400	555,764	48,582	2,411,554	\$1.124

*Local Mines—Recapitulation by*

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Fulton.....	58	10,498	45,072				4,864	60,434	\$1.524
Hancock.....	3		2,400				36	2,436	2.309
McDonough.....	43		22,681				1,031	23,712	2.064
Tazewell.....	5	26,466						26,466	1.312
Total.....	109	36,964	70,153				5,931	113,048	\$1.607
Grand total.....	146	358,280	1,092,124	365,521	98,400	555,764	54,513	2,524,602	.....

Whole number of mines reported in 1907, 147.  
 Number of new mines opened during the year, 13.  
 Number of mines abandoned during the year, 14.  
 Whole number of mines reported for 1908, 146.

Counties—Fourth District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.					Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.			From solid—Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.							
1,983,837	97,218	193	2,263	578	66	239	3,146	2,081,055	113,490	2,081,055	.....	.....
4,000	250	200	7	.....	.....	2	9	4,250	.....	4,250	.....	.....
11,335	529	134	40	1	.....	3	44	11,864	.....	.....	11,864	.....
30,955	91,461	245	203	54	3	44	304	122,416	1,800	88,896	33,518	.....
142,947	49,022	220	248	57	2	31	338	191,969	9,871	191,969	.....	.....
2,173,074	238,480	199	2,761	690	71	319	3,841	2,411,554	125,161	2,399,690	11,864	.....

Counties—Fourth District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.					Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.			From solid—Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.							
.....	60,434	152	211	1	.....	8	220	60,434	2,927	60,434	.....	.....
.....	2,436	248	11	.....	.....	.....	11	2,436	.....	2,436	.....	.....
.....	23,712	149	152	4	.....	.....	156	23,712	.....	19,496	.....	.....
.....	26,466	151	58	6	.....	4	78	26,466	1,308	26,466	.....	.....
.....	113,045	153	432	21	.....	12	465	113,045	4,235	108,832	.....	.....
2,173,074	351,528	.....	3,193	711	71	331	4,306	2,524,602	129,396	2,508,522	11,864	.....

## FIFTH INSPECTION DISTRICT—1908.

## THIRD ANNUAL REPORT.

Counties: Edgar, Macon, Vermilion.

THOMAS MOSES, *Inspector*, Westville.

*Hon. David Ross, Secretary State Bureau of Labor Statistics, Springfield, Ill.:*

SIR—In compliance with the law of Illinois, defining the duties of State inspectors of coal mines, I have the honor to herewith submit the third annual report of the coal mines in the fifth inspection district for the year ending June 30, 1908. The district includes the coal producing counties of Edgar, Macon and Vermilion.

The tabular statement in this report contains information in regard to the number of mines and miners and other employes; the various grades of coal produced and the number of tons of each; the aggregate value of the total product at the mines; the tons shipped by rail or sold to local consumers or used for steam producing purposes at the mines; the amount of powder and dynamite used at the mines, and a complete statement of all fatal accidents, also of non-fatal accidents that necessitated the loss of over thirty days time.

The following is a summary of the leading items contained in the report of the district:

Number of shipping mines .....	18
Number of mines in local trade.....	29
Total number of mines .....	47
Number of miners employed .....	3,079
Number of other employes underground .....	945
Number of boys underground .....	75
Number of employes on the surface.....	258
Total number of employes .....	4,357
Number of kegs of powder consumed, for all purposes.....	100,208
Tons of lump coal produced .....	853,426
Tons of mine run coal produced.....	1,383,032
Tons of all other grades combined.....	665,911
Total product in tons of 2000 pounds.....	2,902,369
Tons shipped on cars at mine.....	2,472,544
Tons sold to local consumers, shipping mines.....	160,440
Tons sold to local consumers, local mines.....	138,232
Total tons to local trade .....	298,672
Tons used for steam purposes at mines.....	101,048
Tons supplied to locomotives at mines.....	30,105
Aggregate value of the total product.....	\$2,994,434
Number of fatal accidents .....	19
Number of non-fatal accidents.....	70
Total number of accidents .....	89

## DECREASE IN PRODUCTION AND NUMBER OF LOCAL MINES.

In Vermilion county the coal industry has decreased. One of the largest shipping mines has been abandoned, while three others have been tempo-



rarily abandoned and no new mines have been put in operation. In my last report I reported twenty-two shipping mines; this year I can only report eighteen.

A number of changes in local mines took place this year, as usual, but a decided decrease in those mines also took place in Vermilion county. Last year I was able to report forty-three local mines in that county, while this year I can only report twenty-eight local mines, yet they may all be in operation before winter sets in.

The total tonnage of each county for the years 1907 and 1908 with the increase and decrease in each is shown in the following comparative table:

COUNTIES.	TOTAL OUTPUT IN TONS, ALL GRADES.		Increase.	Decrease.
	1907	1908		
Edgar.....	790	4,971	4,181	.....
Macon.....	96,329	237,636	.....	58,693
Vermilion.....	3,019,934	2,659,762	.....	360,172
Totals.....	3,317,053	2,902,369	4,181	418,865
Net decrease.....	.....	.....	.....	414,684

Edgar county shows an increase in product of 529 per cent; Macon county shows a decrease of 19.8 per cent, and Vermilion 11.9 per cent. The net decrease in the product for the district was 414,684 tons, or 12.5 per cent.

#### ABANDONED MINES.

The Kelly Coal Company abandoned its No. 46 mine at Himrod, Jan. 15, 1908. The mine of the Blue Mound Coal Company, Macon county, and the Kelly Coal Company mine No. 45 and the Dering Coal Company mine No. 4, all at Westville, Vermilion county, have been shut down indefinitely.

#### IMPROVEMENTS.

The Decatur Coal Company has placed a new Stevens fan at its Niantic mine. The fan is 10 feet in diameter and 3 feet wide. This company has also placed a fan of the same make and dimensions at its No. 2 mine, Decatur, which has very much improved the ventilation of these mines.

#### FATAL ACCIDENTS.

A description of the fatal accidents occurring during the year follows:

July 17, 1907, Frank Youbutio, day man, aged 30 years, single, was instantly killed by falling rock in the mine of the Dering Coal Company, No. 4, Steelton, Vermilion county. Deceased was engaged in cleaning up a fall on the third south entry when a rock fell on him.

July 23, 1907, Joe Bodner, miner, aged 28 years, single, was killed by falling rock at his working face in mine No. 42 of the Kelly Coal Company at Westville, Vermilion county.

July 25, 1907, Ignatz Rothus, miner, aged 30 years, single, was instantly killed by falling rock at his working face in mine No. 4 of the Dering Coal Company at Steelton, Vermilion county.

July 26, 1907, Fred Bednor, miner, aged 35 years, married, was killed by falling rock at the face of the entry in No. 2 mine of the Dering Coal Company, Westville, Vermilion county. Deceased was engaged in driving and timbering a dangerous place in the roof when the rock fell on him. He leaves a widow and six children.

July 27, 1907, Louis Tuvada, miner, aged 30 years, married, was killed by falling rock at the face of the room in which he was working in the Dering Coal Company's mine No. 2, Westville, Vermilion county. He leaves a widow and two children.

Aug. 2, 1907, James Lang, miner, aged 23 years, single, was killed by falling rock at the face of the room he was working in in the Kelly Coal Company's mine No. 42, Westville, Vermilion county. Deceased had placed a prop under this rock, and was mining off a shot under it, when he pulled down some of the coal. It struck the prop, knocking it out; he then picked the prop up and was in the act of replacing it when the rock fell, striking the prop, the prop in turn striking deceased, injuring him so that he died three hours later.

Sept. 3, 1907, Joe Torris, miner, aged 26 years, married, was killed by falling rock at the working face in Kelly Coal Company's No. 46 mine at Himrod, Vermilion county. He leaves a widow and two children.

Sept. 12, 1907, Ignatz Matulis, day man, aged 18 years, single, was crushed between mine cars and the rib in the Dering mine No. 2 at Westville, Vermilion county. He was injured so badly that he was taken to St. Elizabeth's hospital in Danville, where he remained and died Jan. 1, 1908.

Sept. 17, 1907, John Kaminski, miner, aged 51 years, married, was killed by falling slate at the face of his room in the Manufacturers & Consumers mine, Decatur, Macon county. He leaves a widow and three children.

Sept. 26, 1907, Herman Washer, driver, aged 25 years, married, was crushed between mine cars and the rib in the Kelly Coal Company's mine No. 44. He was removed to the hospital at Danville, where he died on the 7th of October, 1907. He leaves a widow and two children.

Oct. 8, 1907, John Tomashulas, miner, aged 35 years, married, was instantly killed by falling rock in the Kelly Coal Company's mine No. 46 at Himrod, Vermilion county. He leaves a widow and two children.

Nov. 11, 1907, Bronis Boluties, miner, aged 28 years, single, was killed by falling rock at the working face of his place in the No. 2 mine of the Dering Coal Company at Westville, Vermilion county.

Nov. 29, 1907, Joseph Bossufi, miner, aged 35 years, married, was killed by falling rock at the working face of his place in mine No. 3 of the Dering Coal Company at Steelton, Vermilion county. He leaves a widow.

Dec. 16, 1907, Alex Smith, miner, aged 35 years, single, was killed by falling rock at the working face of his place in mine No. 2 of the Dering Coal Company at Westville, Vermilion county.

Dec. 19, 1907, Anton Schatz, miner, aged 48 years, single, was killed by falling rock at the working face of his place in mine No. 46 of the Kelly Coal Company at Himrod, Vermilion county.

Jan. 27, 1908, Justin Gemis, miner, aged 40 years, single, was killed by falling rock at the working face of his place in mine No. 3 of the Dering Coal Company at Steelton, Vermilion county.

March 5, 1908, Louis Montibo, miner, aged 31 years, married, was killed by the explosion of a keg of powder. Deceased was preparing the powder for a shot; he filled one cartridge and stood it against the rib, his lamp lying on the bottom about four feet from him; the cartridge that was against the rib fell over towards the lamp, connecting the powder with the flame of the lamp, which in turn exploded the keg of powder in the hands of deceased, burning him so that he died a few hours afterwards. He leaves a widow and two children.

March 16, 1908, Joseph Miservich, miner, aged 35 years, married, was killed by falling rock at the working face of his place in mine No. 4 of the Dering Coal Company at Steelton, Vermilion county. He leaves a widow and two children.

Respectfully submitted,

THOS. MOSES,  
*State Inspector of Mines, Fifth District, Westville.*

*Fatal Casualties—Fifth District—July 1, 1908.*

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	Widows.	Children.	Single.	Persons dependent.	Cause of Accident.
1907										
July 17	Frank Youbutis.....	30	Laborer.....	Westville.....				1		Falling rock.....
23	Joe Bodner.....	28	Miner.....	Himrod.....				1		do.....
25	Ignatz Rotkus.....	30	do.....	Westville.....						do.....
26	Fred Beduor.....	35	do.....	do.....	1	1	6		1	do.....
27	Louis Tuvada.....	30	do.....	do.....	1	1	2		3	do.....
Aug. 2	James Long.....	23	do.....	Kellyville.....				1		do.....
Sept. 3	Joe Torris.....	26	do.....	Danville.....	1	1	2		3	do.....
12	Iquatz Matulis.....	18	Laborer.....	Westville.....				1		Pit car and rib.....
17	John Kaminski.....	51	Miner.....	Decatur.....	1	1	3		1	Falling slate.....
26	Herman Washer.....	25	Driver.....	Danville.....	1	1	2		3	Pit car and rib.....
Oct. 8	John Tomasbulas.....	35	Miner.....	Himrod.....	1	1	2		3	Falling rock.....
Nov. 11	Bronis Boluites.....	28	do.....	Westville.....				1		do.....
29	Joseph Bossuffi.....	35	do.....	do.....	1	1			1	do.....
Dec. 16	Alex. Smith.....	35	do.....	do.....				1		do.....
19	Toney Schatz.....	48	do.....	Himrod.....				1		do.....
1908										
Jan. 27	Justin Gemis.....	40	do.....	Westville.....				1		do.....
Feb. 12	John Chind.....	19	do.....	do.....				1		do.....
Mar. 5	Louis Montibo.....	31	do.....	do.....	1	1	2		3	Powder explosion.....
16	Joe Miservich.....	35	do.....	do.....	1	1	2		3	Falling rock.....
	Total—19.....				9	9	21	10	27	

*Recapitulation of Fatal Casualties—Fifth District—1908.*

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Danville.....	2	Drivers.....	1	Falling rock.....	15	Dering Coal Co.....	10
Decatur.....	1	Laborers.....	2	Falling slate.....	1	Kelley Coal Co.....	8
Himrod.....	3	Miners.....	16	Pit cars.....	2	Mfrs. & Consumers C. Co.....	1
Kelleyville.....	1			Powder explosion.....	1		
W stville.....	12						
Totals.....	19		19		19		19

## Non-Fatal Casualties—Fifth District—July 1, 1908.

Date.	Name.	Age.	Residence. (Town.)	Married. Single.	Children.	Number persons dependent.	Character of injury and Cause of Accident.	Time lost—days.
1907								
July 3	John Harrel	34	Westville	1	2	3	Back and legs injured, falling rock	60
17	John Roberts	45	do	1	6	7	Hip dislocated falling rock	40
24	A. M. Bushong	57	Danville	1	5	6	Leg broken, pit car	90
26	Alex. Holden	23	do	1	1	1	Ribs broken, fell from dump	30
27	Ambrose Casino	35	Westville	1	2	3	Head and hips injured, falling rock	90
Aug. 12	Joe Bender	24	do	1	1	1	Knee injured, pit car	40
17	Tom Kargar	24	do	1	1	1	Head injured, falling rock	30
19	Sam McDill	39	do	1	1	1	Finger cut off, pit car, and motor	40
19	William Saelonskis	27	do	1	1	2	Head injured, falling rock	40
Sept. 4	Stanley Wayonis	33	do	1	1	1	Leg broken, pit car	90
7	Steve Steen	35	do	1	1	1	Body burned, shot explosion	30
16	Chas. Lampert	31	do	1	1	1	Foot mashed, falling rock	35
16	James Morrow	43	Georgetown	1	1	1	Foot mashed, falling rock	40
18	Frank Nodousky	29	Westville	1	1	1	Leg broken, falling rock	70
19	Andrew Brown	44	Danville	1	1	1	Leg broken, falling rock	90
24	Charles Missuance	27	do	1	1	1	Jaw broken, falling rock	56
25	Constant Dien	53	Kellyville	1	5	6	Back injured, falling rock	60
27	Toney Stawibroski	43	Himrod	1	3	4	Leg broken, falling rock	50
27	Frank Bodka	17	do	1	1	1	Legs and shoulder injured, falling rock	60
29	Andrew Buffe	33	do	1	1	1	Back injured, pit car	60
Oct. 2	Joe Bruetski	32	Grape Creek	1	1	1	Leg broken, falling rock	90
7	H. Zick	31	Decatur	1	2	3	Leg broken, falling rock	40
7	John Glovey	42	Danville	1	3	4	Finger mashed, falling rock	30
8	John Roscoski	31	Westville	1	1	1	Leg broken, falling rock	70
9	A. Lockart	22	Danville	1	1	1	Face injured, kicked by mule	30
24	John Tokath	24	Westville	1	1	2	Back injured, pit car	*
25	Theo. Yathovich	17	do	1	1	1	Arm and leg injured, falling rock	35
30	Frank Turner	do	Decatur	1	1	1	Body burned, gas explosion	*
Nov. 4	Christ Copsich	46	Decatur	1	4	5	Arm injured, falling coal	35
12	John Johosh	42	Kellyville	1	5	6	Arm crushed, falling rock	100
13	H. A. Jackson	43	Danville	1	1	1	Foot mashed, pit car	35
16	Otto Lakin	40	Georgetown	1	1	1	Leg broken, pit car	30
21	Steve Custraski	45	Westville	1	1	1	Back injured, falling rock	56
Dec. 4	Robt. McAdams	45	Spring Valley	1	1	1	Wrist broken, falling timber	42
9	T. J. Ford	45	Richland	1	2	3	Leg injured, falling rock	40
10	William Buck	32	Westville	1	4	5	Hips injured, falling rock	32
17	Joe Maliski	47	Grape Creek	1	1	1	Back and shoulder injured, falling rock	40
19	John Willson	49	Georgetown	1	1	1	Thumb cut off, drill press	40
20	Aruido Munof	45	Kellyville	1	2	3	Back injured, falling rock	40
23	Mike Rashinkus	35	Himrod	1	1	1	Back and legs injured, falling rock	70
30	Chas. Chatun	33	Westville	1	1	1	Skull fractured, falling rock	60
1908								
Jan. 8	E. Van Valkenburg	23	Danville	1	1	1	Arm injured, pit car	60
9	George Mamer	27	Georgetown	1	1	2	Ribs broken, falling rock	30
11	Louis Koepke	27	Westville	1	1	2	Wrist broken, pit car	40
15	Mike Andriatis	27	Himrod	1	1	1	Leg injured, falling rock	54
20	Peter Falcetti	42	Danville	1	1	1	Foot and arm injured, falling rock	56
24	Geo. Nobjketis	21	Westville	1	1	1	Back injured, falling rock	50
31	Jacob Grase	54	Decatur	1	1	1	Shoulder injured, falling prop.	30
Feb. 30	Felix Snell	31	Westville	1	5	6	Leg broken, falling rock	60
1	John Bennett	34	do	1	1	2	Hips injured, pit car	35
1	Roy Hicks	21	Catlin	1	1	1	Foot injured, pit car	30
10	Chas. Gretsch	21	Decatur	1	1	1	Leg broken, falling coal	90
11	Fred. Swisher	23	Stilton	1	2	3	Hip injured, pit car	40
11	John Nevedowski	26	Westville	1	1	1	Arm broken, pit car	92
14	Luther Mitchell	32	Danville	1	1	1	Shoulder injured, pit car	35
14	W. Harris	21	Decatur	1	1	1	Body burned, gas explosion	60
14	Jerry Ward	23	do	1	1	2	do	50
15	Louis Davis	40	Himrod	1	2	3	Back injured, falling rock	33
25	John Allison	49	Danville	1	1	1	do	*

*Non-Fatal Casualties—Fifth District—Concluded.*

Date.	Name.	Age.	Residence. (Town.)	Married	Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1908									
Feb. 27	Louis Moleski.....	40	Westville.....	1	..	5	6	Wrist broken, falling rock.....	60
Mar. 7	Mike Arnish.....	32	do.....	1	..	..	1	Leg broken, falling rock.....	70
16	Chas. Chocovitz.....	43	Decatur.....	1	..	4	5	Ankle dislocated, falling coal...	30
25	Mike Emery.....	45	Westville.....	1	..	4	5	Toes cut off, falling rock.....	30
May 19	Wm. Sadonskis.....	27	do.....	1	..	1	2	Head injured, falling rock.....	40
20	Felix Remakis.....	36	do.....	..	1	..	..	Hips and back injured, falling rock.....	50
29	Al. Hart.....	39	Kellyville.....	1	..	2	3	Head and side injured, pit car.	*
June 4	A. Duvall.....	..	Danville.....	1	..	..	1	Hips crushed, falling rock.....	*
10	E. Howrey.....	..	do.....	1	..	..	1	Ankle broken, falling rock.....	40
26	C. Hulet.....	..	do.....	..	1	..	..	Collar bone broken, falling rock	40
30	Lee Miller.....	37	Grape Creek....	1	..	5	6	Leg broken, pit car.....	60
	Totals.....			45	25	81	121		

\*Not recovered July 1, 1908.

Total number of men injured.....	70
Not recovered July 1, 1908.....	5
Number recovered July 1, 1908.....	65
Time lost by men recovered days.....	3,246
Average time lost by men recovered, days.....	50.55

*Recapitulation of Non-Fatal Casualties—Fifth District—1908.*

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Catlin.....	1	Carpenter.....	1	Drill press.....	1	Decatur Coal Co.....	6
Danville.....	13	Day men.....	10	Falling coal.....	4	Dering Coal Co.....	28
Decatur.....	8	Driver.....	13	Falling rock.....	40	Electric Coal Co.....	4
Georgetown.....	4	Laborer.....	1	Falling timber.....	2	Kelley Coal Co.....	25
Grape Creek.....	3	Mine manager..	1	Fell from dump.....	1	Little Vermilion.....	3
Himrod.....	6	Miners.....	40	Gas explosoin.....	3	Mfrs. & Con. Coal Co.....	3
Kellyville.....	4	Motorman.....	1	Kicked by mule.....	1	Mauck Bros.....	1
Richland.....	1	Shot firer.....	1	Pit cars and mule.....	1		
Spring Valley.....	1	Spragger.....	1	Pit cars.....	11		
Steelton.....	1	Timberman.....	1	Pit cars and motor.....	1		
Westville.....	28			Pit cars and rib.....	4		
				Shot explosion.....	1		
<b>Totals.....</b>	<b>70</b>		<b>70</b>		<b>70</b>		<b>70</b>

*Recapitulation of Non-Fatal Casualties, Nature of Injuries, Conjugal Relations and Time Lost—Fifth District—1908.*

NATURE OF INJURIES.	Number.	Married.	Single.	Children.	Dependents.	TIME LOST—DAYS.		Percentage of injuries.
						Total.	Average.	
Ankles broken.....	1	1			1	40	40.00	1.43
Ankles dislocated.....	1	1		4	5	30	30.00	1.43
Arms and legs injured.....	2		2			91	45.50	2.86
Arms broken.....	5	4	1	11	14	334	66.80	7.14
Arms injured.....	2	1	1	4	5	95	47.50	2.86
Back, legs and shoulders injured.....	5	2	3	2	4	280	56.00	7.14
Backs injured.....	8	5	3	10	14	296	49.33	11.42
Bodies burned.....	4	2	2	1	3	148	49.33	5.71
Collar bones broken.....	1		1			40	40.00	1.43
Feet injured.....	4	2	2		2	140	35.00	5.71
Fingers amputated.....	2	1	1		1	80	40.00	2.86
Fingers injured.....	1	1		3	4	30	30.00	1.43
Heads and bodies injured.....	2	2			6	90	90.00	2.86
Heads injured.....	5	3	2	2	5	200	40.00	7.14
Hips dislocated.....	1	1		6	7	40	40.00	1.43
Jaws broken.....	1	1			1	56	56.00	1.43
Legs broken.....	14	11	3	20	29	900	69.23	20.00
Legs injured.....	6	4	2	9	13	241	40.17	8.57
Ribs fractured.....	2	1	1	1	2	60	30.00	2.86
Shoulders injured.....	2	1	1		1	65	32.50	2.86
Toes amputated.....	1	1		4	5	30	30.00	1.43
Totals, averages and percentages.....	70	45	25	81	122	3,286	50.55	100.00

## Edgar County—Fifth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	John N. Wellman.....	Paris R. R. 10..	4,971	.....	.....	4,971

Mines reported for 1907, 1.  
Mines in 1908, 1.

## Macon County—Fifth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Manufactures & Consumers.....	Decatur.....	30,956	46,687	31,051	708,694
2	Decatur Coal Co. No. 2.....	..do.....	17,911	31,470	12,075	61,456
3	Decatur Coal Co. No. 1.....	..do.....	5,644	25,171	6,870	37,685
4	Decatur Coal Co., Niantic.....	Niantic.....	1,449	19,145	9,207	29,801
Totals.....			55,960	122,473	59,203	237,630

Mines reported for 1907, 5.  
Abandoned mines, 1.  
Mines in 1908, 4.



*Edgar County—Fifth District—Concluded.*

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employés.	Total.		Killed.	Injured.				
\$7,456		4,971	100	4	1	5	4,971			159	Solid...	W....	1

*Macon County—Fifth District—Concluded.*

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employés.	Total.		Killed.	Injured.				
\$152,280	34,588	74,106	213	98	65	163	83,434	1	3	396	U. C....	Pneu.	1
117,000	4,795	56,661	256	80	49	129	61,456		4		do....	do..	2
65,850	20,830	16,855	180	65	27	92	37,685		1		do....	do..	3
30,000	25,801	4,000	125	40	19	59	29,801		1	1,831	Solid...	do..	4
\$365,130	86,014	151,622	194	283	160	443	212,376	1	9	2,227			

## Vermilion County—Fifth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Kelly Coal Co., No. 44.....	Westville.....	191,084	143,311	96,231	430,626
2	Dering Coal Co. No. 2.....	do.....	.....	152,075	228,112	380,187
3	Little Vermilion Coal Co. No. 1.....	Georgetown.....	183,193	86,925	60,224	330,342
4	Dering Coal Co., No. 3.....	Westville.....	313,089	.....	4,200	317,289
5	Dering Coal Co., No. 4.....	do.....	77,779	80,776	43,388	201,943
6	Kelly Coal Co. No. 45.....	do.....	163,392	19,152	1,860	184,404
7	Kelly Coal Co. No. 42.....	do.....	89,496	71,864	19,605	180,965
8	Kelly Coal Co. No. 46.....	Himrod.....	44,338	43,126	61,369	148,833
9	E. S. Gray Coal Co. No. 4.....	Oakwood.....	27,172	45,758	35,738	108,668
10	Electric Coal Co.....	Hillery.....	22,136	34,989	16,596	73,721
11	Tilton Coal Co.....	Vandercook.....	42,205	.....	.....	42,205
12	Oakwood Coal Co.....	Oakwood.....	12,000	8,000	16,000	36,000
13	Frank Davis.....	Muncie.....	12,199	5,000	450	17,649
14	Danville Collieries Co.....	Catlin.....	5,000	4,000	6,000	15,000
Totals.....			1,183,083	694,976	589,773	2,467,832
LOCAL MINES.						
1	Reiley & Doughty.....	Danville.....	57,069	.....	.....	57,069
2	Danville Consumers Co.....	do.....	10,895	8,864	4,703	24,462
3	Daniel A. Jenkins.....	do.....	6,800	4,000	2,800	13,600
4	Mauck Bros.....	do.....	12,800	.....	.....	12,800
5	Wm. J. Walkins.....	do.....	6,050	4,000	2,000	12,050
6	George H. Haskins.....	Grape Creek.....	5,713	3,800	1,913	11,426
7	Sharon Coal & Brick Co.....	Georgetown.....	580	4,594	2,621	7,795
8	L. S. Miller.....	Danville.....	6,000	.....	.....	6,000
9	August Olson.....	Grape Creek.....	2,500	1,800	700	5,000
10	W. F. Crawford & Sons.....	Collison.....	.....	4,000	1,000	5,000
11	Joe Mauck.....	Danville.....	5,000	.....	.....	5,000
12	Frauce Bros.....	Fairmount.....	2,381	1,889	246	4,516
13	John Aldredge.....	Danville.....	4,200	.....	.....	4,200
14	Bunting Bros.....	do.....	3,280	.....	.....	3,280
15	M. C. Wilkinson.....	do.....	2,500	.....	.....	2,500
16	A. L. Polhenms.....	do.....	300	1,200	600	2,100
17	B. & C. Spangler.....	do.....	2,000	.....	.....	2,000
18	Lorenzo Balduchy.....	Fairmount.....	2,000	.....	.....	2,000
19	Jordon Coal Co.....	do.....	3,600	.....	.....	3,600
20	Charles Wenhaus.....	Danville.....	1,500	.....	.....	1,500
21	Andrew Fredrickson.....	do.....	1,300	.....	.....	1,300
22	William Hamilton & Son.....	Grape Creek.....	1,430	150	100	1,680
23	Samuel Thomas.....	Catlin.....	.....	852	180	1,032
24	Samuel Swisher.....	Danville.....	200	200	.....	400
25	Henry Young.....	do.....	120	48	72	240
26	Bishop, Chrisman & Blaking.....	Grape Creek.....	.....	200	.....	200
27	Kilby & Martin.....	do.....	.....	80	.....	80
28	L. E. Baker.....	Oakwood.....	800	300	.....	1,100
Totals.....			139,018	35,977	16,935	191,930
Totals—42 mines.....			1,322,101	730,953	606,708	2,659,762

Mines reported for 1907, 59.

New mines, 3.

Abandoned mines, 20

Mines in 1908, 42.

Vermilion County—Fifth District—Continued.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$422,011	424,596	6,050	235	500	150	650	430,626						
353,574	375,337	4,800	260	232	119	351	340,187	2	13	14,122	Solid	Pneu.	1
320,000	327,001	3,341	242	329	90	419	305,645	5	15	14,296	do.	do.	2
295,379	313,089	4,200	255	229	100	329	317,289	2	3	11,061	do.	do.	3
187,807	193,943	3,000	218	149	86	235	201,943	3	7	13,814	do.	do.	4
177,023	181,320	3,034	225	225	95	320	184,404	2	6	8,330	do.	do.	5
180,965	169,493	11,472	214	200	106	306	180,965	3	4	6,972	do.	do.	6
144,363	144,439	4,394	135	350	165	515	148,833	3	3	8,923	do.	do.	7
104,320	105,758	2,910	233	85	44	129	108,663		5	4,067	do.	do.	8
84,393	48,580	25,141	254	80	41	121	73,721		4	3,000	do.	W	9
40,552	42,205	.....	233	55	10	65	42,202			1,816	do.	W	10
36,000	34,400	1,600	164	45	12	57	36,000			1,600	do.	Pneu.	11
23,419	10,319	7,333	150	20	6	26	17,649			845	do.	do.	12
15,400	11,000	4,000	100	70	11	81	15,000			600	do.	do.	13
<b>\$2,385,216</b>	<b>2,386,530</b>	<b>81,302</b>	<b>209</b>	<b>2,569</b>	<b>1,035</b>	<b>3,604</b>	<b>2,443,135</b>	<b>18</b>	<b>60</b>	<b>93,554</b>			<b>14</b>
\$57,069	.....	57,069	309	40	20	60	57,069			1,357	Solid	.....	1
25,502	.....	24,462	280	25	.....	25	24,462			600	do.	.....	2
22,100	.....	13,600	203	6	4	10	13,600			390	do.	.....	3
20,235	.....	12,800	230	10	4	14	12,800		1	366	do.	.....	4
17,825	.....	12,050	250	12	3	15	12,050			312	do.	.....	5
13,793	.....	11,426	210	10	4	14	11,426			350	do.	.....	6
12,842	.....	7,795	157	14	7	21	7,795			332	do.	.....	7
6,000	.....	6,000	125	4	2	6	6,000			60	do.	.....	8
5,925	.....	5,000	123	8	1	9	5,000			143	do.	.....	9
8,000	.....	5,000	200	10	3	13	5,000			140	do.	Pneu.	10
6,250	.....	5,000	190	9	2	11	5,000			147	do.	.....	11
5,605	.....	4,516	57	8	2	10	4,516			130	do.	.....	12
5,250	.....	4,230	140	5	7	12	4,200			130	do.	.....	13
3,936	.....	3,250	214	8	3	11	3,250			109	do.	.....	14
3,125	.....	2,500	125	5	1	6	2,500			75	do.	.....	15
2,935	.....	2,100	200	5	1	6	2,100			46	do.	.....	16
3,000	.....	2,000	200	8	2	10	2,000			40	do.	.....	17
2,500	.....	2,000	200	7	1	8	2,000			150	do.	.....	18
4,500	.....	3,600	75	4	3	7	3,600			144	do.	.....	19
2,250	.....	1,500	225	4	1	5	1,500			.....	do.	.....	20
1,625	.....	1,300	225	3	1	4	1,300			52	do.	.....	21
2,295	.....	1,650	180	5	4	9	1,650			48	do.	.....	22
1,245	.....	1,032	170	3	1	4	1,032			35	do.	.....	23
1,600	.....	400	180	1	2	3	400			12	do.	.....	24
247	.....	240	125	2	1	3	240			10	do.	.....	25
300	.....	200	125	2	3	3	200			20	do.	.....	26
120	.....	80	90	2	2	4	80			5	do.	.....	27
1,500	.....	1,100	116	2	1	3	1,100			40	do.	.....	28
<b>\$236,632</b>	<b>.....</b>	<b>191,930</b>	<b>177</b>	<b>223</b>	<b>82</b>	<b>305</b>	<b>191,930</b>	<b>.....</b>	<b>.....</b>	<b>4,243</b>			
<b>\$2,621,848</b>	<b>2,386,530</b>	<b>273,232</b>	<b>.....</b>	<b>2,792</b>	<b>1,117</b>	<b>3,909</b>	<b>2,635,065</b>	<b>18</b>	<b>61</b>	<b>97,797</b>			

## Shipping Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Macon.....	4	55,960	122,473	.....	25,253	24,794	9,156	237,636	\$1.537
Vermilion.....	14	1,183,083	694,976	13,662	127,767	434,355	13,989	2,467,832	0.967
Total.....	18	1,239,043	817,449	13,662	153,020	459,149	23,145	2,705,468	\$1.017

## Local Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Edgar.....	1	4,971	.....	.....	.....	.....	.....	4,971	\$1.50
Vermilion.....	28	139,018	35,977	.....	6,639	10,296	.....	191,930	1.233
Total.....	29	143,989	35,977	.....	6,639	10,296	.....	196,901	\$1.240
Grand total.....	47	1,383,032	853,426	13,662	159,659	469,445	23,145	2,902,369	.....

Whole number of mines reported in 1907, 65.  
 Number of new mines opened during the year, 3.  
 Number of mines abandoned during the year, 21.  
 Whole number of mines reported in 1908, 47.

Counties—Fifth District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.						Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.								From solid—Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.	All above ground.	Total.						
86,014	151,622	194	283	120	6	34	443	212,376	2,227	29,801	207,835	.....	
2,386,530	81,302	209	2,569	795	68	172	3,604	2,443,135	93,554	2,467,832	.....	.....	
2,472,544	232,924	205	2,852	915	74	206	4,047	2,655,511	95,781	2,497,633	207,835	.....	

Counties—Fifth District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.						Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.								From solid—Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.	All above ground.	Total.						
.....	4,971	100	4	.....	.....	1	5	4,971	159	4,971	.....	.....	
.....	191,930	177	223	30	1	51	305	191,930	4,243	191,930	.....	.....	
.....	196,901	174	227	30	1	52	310	196,901	4,402	196,901	.....	.....	
2,472,544	429,825	.....	3,079	945	75	258	4,357	2,852,411	100,183	2,694,534	207,835	.....	

## SIXTH INSPECTION DISTRICT—1908.

## THIRD ANNUAL REPORT.

Counties: Brown, Cass, Logan, Menard, Morgan, Sangamon, Schuyler.

*Hon. David Ross, Secretary State Bureau of Labor Statistics, Springfield, Ill.:*

SIR—In compliance with the statute of the State, defining the duties of the State inspectors of coal mines, I have the honor to submit the third annual report of the coal mines in the sixth district for the year ending June 30, 1908. The tabular statements contained in this report give the number of mines, miners and all other employes; the total tonnage of all grades of coal; the estimated aggregate value of the total output; the number of fatal and non-fatal casualties; the number of kegs of powder used and a description of the plants.

The main features of coal mines in the district are presented in the following summary:

Number of mines .....	71
Number of new mines .....	3
Number of abandoned mines .....	3
Number of shipping mines .....	46
Number of local mines .....	25
Total tons produced, all grades.....	5,923,197
Total tons, mine run .....	1,450,796
Total tons of lump .....	2,511,337
Total tons, all other grades .....	1,961,064
Aggregate value total product .....	\$5,794,889
Total tons delivered at mine for shipment.....	5,254,418
Tons delivered at chutes to locomotives.....	113,832
Tons sold to local trade .....	342,420
Tons consumed and wasted at mines.....	212,527
Tons mined by hand .....	5,176,615
Tons mined by machine .....	746,582
Average days of operation, shipping mines.....	190
Number of machines in use .....	31
Number of miners .....	5,510
Number of other employes underground .....	1,593
Number of boys underground .....	233
Number of employes on surface .....	708
Total number of employes .....	8,044
Number of fatal accidents .....	13
Number of non-fatal accidents.....	57
Number of tons mined to each fatal accident.....	329,067
Number of tons mined to each non-fatal accident.....	103,916
Ratio of persons killed to each 1000 employed.....	2.2
Number of kegs of powder used .....	268,540
Average value per ton all grades of coal at shipping mines.....	\$0.973

A comparative showing is presented of the output of coal in each county for the years 1907 and 1908, with the increase and decrease in tonnage as follows:

COUNTIES.	TOTAL PRODUCT, ALL GRADES OF COAL.		Increase.	Decrease.
	1907	1908		
Brown.....	380	400	20	
Cass.....	1,625	800		825
Logan.....	478,015	430,010		48,005
Menard.....	403,896	397,526		6,370
Sangamon.....	4,876,621	5,082,626	206,005	
Schuyler.....	17,222	11,835		5,387
Totals.....	5,777,759	5,923,197	206,025	60,587
Net increase.....			145,438	

Sangamon county shows a gain in output over last year of 206,005 tons, while Cass, Logan, Menard and Schuyler show an aggregate loss of 60,587 tons, reducing the gain in the district to 145,438 tons.

#### IMPROVEMENTS.

There have been several improvements in the district during the past year. The Capital Coal Company, Springfield, has put in a new steam fan which has considerably increased the ventilation in the mine. The Lincoln Park Coal Company, Springfield, has enlarged the hoisting shaft of its mine and retimbered the same. The Standard Wash Coal Company, R. R. No. 8, Sangamon county, has installed a new boiler which will improve the condition at this mine.

There have been many other improvements of the ventilation of mines throughout the district.

#### ENFORCEMENT OF THE MINING LAW.

During the year several operators in this district have been fined by the courts for neglecting to file maps of their mines as required by law. Several miners have also been fined for opening powder kegs with picks in direct violation of the law. A shot-firer at Lincoln was prosecuted and fined for firing shots before the men had left their working places, and for giving a miner a squib with which to light his own shot.

I have experienced a great deal of trouble in enforcing the law relative to technical points, which have arisen more especially with the proviso in section 8 that there is no punishment for the offender for the first offense, when, by the first violation of the law, the violator may cause the death of several men. If such should occur, all that could be done under the present law is to warn the offenders not to repeat the offense.

#### FATAL CASUALTIES.

July 2, 1907, Dan Cain, trapper, aged 17 years, was killed in the Sherman mine of the Illinois Midland Coal Company. The driver had just passed with a trip of loaded cars, when Cain walked into the middle of the track, not being aware that one car had been detached, and was following the trip. This car knocked Cain down, dragging him some eighteen feet, causing his death.

July 5, 1907, Wenzel Ludzka, miner, aged 28 years, married, was killed in a mine of the Citizens Coal Mining Company, Sangamon county. Deceased was in the act of taking powder out of his kegs when a spark from his lamp ignited the powder, the explosion causing his death. He leaves a widow and one child.

Aug. 11, 1907, Edward Pierce, miner, aged 65 years, married, was killed in the No. 3 mine of the Springfield Coal Mining Co. at Starns. Deceased was riding into his work, with other men, when a piece of cap rock fell out of a slip, striking him and breaking his neck. He leaves a widow.

Sept. 3, 1907, Edward Beneky, aged 36 years, married, was killed in No. 8 mine of the Illinois Collieries Company, Springfield. Deceased was walking along the main entry to reach his working place, when suddenly some falling slate, about sixteen tons, caught him, completely burying him underneath. He leaves a widow.

Sept. 27, 1907, John Row, shot-firer, aged 34 years, married, was killed in the mine of the Black Diamond Coal Company at Auburn. His death was caused by a shot blowing through a cross-cut, between two entries. The pillar at this point was 17 feet thick; about 10 feet had been taken out of the cross-cut in the back entry; there was also a shot in the cross-cut in the front entry which he or his brother had lighted. Deceased and his brother had gone into the back entry, and were fixing shots to be fired there, when the shot from the front entry blew through, killing John and just slightly scratching his brother's face. Deceased leaves a widow and one child.

Sept. 28, 1907, John Adamities, miner, aged 32 years, married, lost his life in the mine of the Illinois Midland Coal Company, Springfield. Deceased stuck his pick into a keg of powder to open it; the powder was ignited and exploded, burning him to death. He leaves a widow and four children.

Oct. 4, 1907, Silas Webb, driver, aged 21 years, single, lost his life in the mine of the Tuxhorn Coal Company, Keyes. Deceased was riding on top of a loaded car, his head was caught by a cross-bar.

Oct. 28, 1907, Valentine Lepusbetz, miner, aged 36 years, married, was killed under very strange conditions in the mine of the Citizens Coal Mining Company at Lincoln. In my investigation of this case it was found that the shot-firer had begun firing the shots in the mine one hour before the proper firing time, and while the miners were still in the mine. In questioning Oscar Menzel, the shot-firer, in regard to the cause of Lepusbetz's death, he said that the man came out onto the entry and asked him for a squib to light his shot; that he gave Lepusbetz a squib; that afterwards he went into the man's room, after the shot had exploded, and found deceased lying on the gob with the back of his head fractured. He leaves a widow and one child.

Nov. 20, 1907, John King, top laborer, aged 19 years, single, was killed in the mine of the Illinois Midland Coal Company at Sherman. Deceased was caught and crushed between a railroad box car and box car loader.

Dec. 8, 1907, Albert Krechley, driver, aged 22 years, single, was killed in mine No. 2 of the Springfield Coal Mining Company at Riverton. Deceased accidentally fell in front of a moving empty pit car, which ran over him, breaking his neck.

Dec. 10, 1907, Joseph Kasulas, miner, aged 35 years, married, was killed in the No. 2 mine of the Sangamon Coal Company, Springfield. Deceased was burned by exploding powder.

The statement made by others at the time of the accident was that he was trying a piece of fuse to see if it was good, and that it fired some powder that was in a powder can; his can did not show any signs of being burned. However, a few days after the accident, a powder keg was found near the place in which was a hole evidently made with a pick, the keg having been bursted open by the explosion of the powder. Deceased leaves a widow and one child.



Dec. 17, 1907, John Wanshor, shot-firer, aged 24 years, single, was killed in the mine of the Lincoln Mining Company, Lincoln. Deceased went back to examine a shot before it had exploded. The shot-firers were using both sulphur and gas squibs. His partner informed me that he had just passed the switch and that deceased had not had time to place another squib in the hole when he saw Wanshor blown against the rib of the entry, a distance of thirty feet.

Jan. 20, 1908, Joseph Delard, miner, aged 31 years, married, was killed in the mine of the Woodside Coal Company, Woodside, by falling slate. He leaves a widow.

Jan. 25, 1908, Thomas Staley, shot-firer, aged 31 years, married, was killed in the Sherman mine of the Illinois Midland Coal Company by a shot blowing through the rib; he had lighted a shot in one room and was in the act of lighting the shots in the next room when the first shot exploded, blowing through the rib. He leaves a widow and three children.

March 4, 1908, Antoney Judusky, miner, aged 38 years, single, was killed in the mine of the Jones & Adams Coal Company, Springfield. Deceased was in the act of filling a powder can from his powder keg when, in some manner, the powder exploded, causing his death.

March 20, 1908, W. D. Shreever, miner, aged 45 years, married, was fatally injured by falling clod while loading a car in the No. 2 mine of the Illinois Collieries Company at Auburn.

March 26, 1908, Edward Lucian, driver, aged 19 years, was found dead under his trip of cars; the car wheels had passed over his neck.

Respectfully submitted,

THOMAS HANNA,

*State Inspector of Mines, Sixth District.*

## Fatal Casualties—Sixth District—July 1, 1908.

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	Widows.	Children.	Single.	Persons dependent.	Cause of Accident.
1907										
July 2	Dan Cain.....	17	Trapper.....	Springfield.....				1		Pit car.....
July 5	Wenzel Ludzki.....	25	Miner.....	do.....	1	1	1			2 Powder explosion.....
Aug. 11	Edward Pierce.....	65	do.....	do.....	1	1				1 Falling rock.....
Sept. 3	Joe Beneky.....	36	do.....	do.....	1	1				1 Falling slate.....
Sept. 27	John Rowe.....	34	Shot firer.....	Auburn.....	1	1	1			2 Shot blown through rib.....
Oct. 28	John Adamities.....	32	Miner.....	Springfield.....	1	1	4			5 Powder explosion.....
Oct. 4	Silas Webb.....	21	Driver.....	Keys.....				1		1 Pit car.....
Oct. 28	Valentine Lepusbetz.....	36	Miner.....	Lincoln.....	1	1	1			2 Blast explosion.....
Nov. 18	Alfred Sebastian.....	22	do.....	Keys.....				1		1 Powder explosion.....
Nov. 20	John King.....	19	Laborer.....	Sherman.....				1		1 Railroad car.....
Dec. 8	Albert Krechley.....	22	Driver.....	Riverton.....				1		1 Pit car.....
Dec. 10	Joseph Kasulas.....	35	Miner.....	Springfield.....	1	1	1			2 Powder explosion.....
Dec. 17	John Wanshan.....	24	Shot firer.....	Lincoln.....				1		1 Premature blast.....
1908										
Jan. 21	Joseph Delard.....	31	Miner.....	Springfield.....	1	1				1 Falling slate.....
Jan. 25	Thomas Staley.....	51	Shot firer.....	do.....	1	1	3			4 Shot blown through rib.....
Mar. 4	Antoney Udiskl.....	38	Miner.....	do.....				1		1 Powder explosion.....
Mar. 24	W. D. Shreave.....	45	do.....	Auburn.....	1	1	4			5 Falling clod.....
Mar. 26	Edward Lucian.....	19	Driver.....	Springfield.....				1		1 Pit car.....
	Total—18.....				10	10	15	8	25	

*Recapitulation of Fatal Casualties—Sixth District—1908.*

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Auburn .....	2	Drivers .....	3	Blast explosion.....	1	Black Diamond Coal Co....	1
Keys .....	2	Laborers.....	1	Falling clod.....	1	Citizens' Coal Mining Co....	2
Lincoln.....	2	Miners.....	10	Falling rock.....	1	Illinois Colliery Co.....	2
Riverton.....	1	Shot firer.....	3	Falling slate.....	2	Illinois Midland Coal Co....	4
Sherman.....	1	Trapper.....	1	Pit cars.....	4	Jones & Adams Coal Co.....	1
Springfield.....	10			Powder explosion.....	5	Lincoln Coal Mining Co.....	1
				Premature blast.....	1	Sangamon Coal Co.....	1
				Railroad cars.....	1	Springfield Coal M. Co.....	2
				Shot blown through rib.....	2	Springfield Coöperative Co.	1
						Tuxhorn Coal Co.....	2
						Woodside Coal Co.....	1
Totals.....	18		18		18		18

## Non-Fatal Casualties—Sixth District—July 1, 1908.

Date.	Name.	Age.	Residence. (Town.)	Married. Single.	Children.	Number persons dependent	Character of Injury and Cause of Accident.	Time lost—days.
1907								
July 13	Samue Baker	38	Auburn	1			Hip dislocated, pit car	92
18	Bert S. Crovilin	23	Springfield	1			Hips injured, pit car	32
20	Otto Graber	25	do	1	2	3	Body burned, powder explosion	30
22	Joseph Eslick	42	Auburn	1			Back injured, throwing slate	85
27	Joseph Davis	40	Divernon	1			Knee bruised, pit car	50
27	James Shearer	58	Thayer	1			Ankle sprained, fell into sump	60
Aug. 3	Charles Gosi	50	Riverton	1			Foot injured, falling slate	32
22	Archie Hertel	24	Spaulding	1			Ankle broken, pit car	30
24	Harry Goddard	25	Springfield	1	2	3	Foot mashed, pit car	30
Sept. 12	J. J. Farral	39	do	1	2	3	Leg broken, falling slate	240
12	Ernest Derihins	34	Lincoln	1	3	4	Head injur-d, flying coal	42
26	Chas. Merrill	28	Auburn	1			Finger broken, dump hook	40
Oct. 12	Albert Barry	20	Athens	1			Hand bruised, falling coal	33
13	Erne Troger	17	do	1			Leg broken, pit car	35
23	John Gorriu	40	Springfield	1	2	3	Head injured, falling coal	36
23	William Medill	24	Sherman	1			Toes cut, ankle bruised, mule stepped on him	39
Nov. 24	William Docherty	18	Springfield	1			Ankle crushed, falling coal	99
10	Joe Stoner	28	do	1		1	Eye injured, flying coal	35
18	Henry Gray	50	Cantrall	1	5	7	Back bruised, falling coal	120
26	Walter Harding	25	Riverton	1			Foot mashed, pit car	30
26	Anton Wabals	35	Thayer	1	3	4	Hands and face burned, powder explosion	40
27	Phil Digenolows	20	Riverton	1			Head injured, pit car	37
Dec. 30	George Trojak	19	Thayer	1			Leg injured, pit car	45
2	James Shearer	58	do	1			Body injured, falling coal	40
4	Preston Brown	40	Riverton	1		1	Leg broken, falling slate	43
4	W. Homer	21	Athens	1			Collar bone broken	55
23	Ed. Lewis	26	Springfield	1	2	3	Back injured, pit car	60
23	F Liveschen	32	Divernon	1	2	3	Thumb mashed, mining mach.	30
26	James Smith	30	Bissell	1			Finger mashed, pit car	32
1908								
Jan. 3	J. Pricci	35	Divernon	1			Foot cut off, motor	*
6	Robert Tricker	30	Springfield	1	3	4	Foot mashed, pit car	60
13	John Humm	37	Lincoln	1	4	5	Hips dislocated, falling coal	30
18	Cresse Otstott	25	Athens	1			Wrist broken, fell from car	32
24	Gustave Johnson	46	Petersburg	1	3	4	Thigh broken, premature blast	120
Feb. 6	Owen Squires	19	Divernon	1			Leg broken, falling coal	44
7	George Weissing	20	Springfield	1			Foot bruised, pit car	36
10	Chas. Gretch	40	Decatur	1	2	3	Leg broken, falling coal	30
16	Joe Barnes	22	Athens	1			Foot bruised, pit car	60
25	Constant Daco	60	Auburn	1			Face and hands burned, blast explosion	100
Mar. 28	George Bartlett	30	Sherman	1		1	Ankle bruised, pit car	30
2	Joseph Denard	27	Springfield	1	1	2	Face burned, powder explosion	35
2	Frank Androsak	42	Auburn	1	3	4	Ribs fractured, falling coal	30
10	Ben Trout	29	Springfield	1		1	Skull fractured, pit car	30
13	Paul Stickel	25	do	1			Hips bruised, pit car	55
16	A. Poindexter	24	Hopkinsville K	1			Ankle injured, pit car	30
23	Theo. Mackensy	28	Mt. Pulaski	1			Back injured, falling rock	30
24	Roy Schreve	19	Auburn	1			Leg broken, falling coal	30
25	S. Upcott	25	Springfield	1			Shoulder injured, pit car	30
30	Dan Griffiths	23	Divernon	1			Hip broken, pit car	34
30	John Lindsay	38	Sherman	1			Arm broken, pit car and roof	*
Apr. 28	Louis Scott	29	Springfield	1	2	3	Face, side and arm injured, shot explosion	35

*Non-Fatal Casualties—Sixth District—Concluded.*

Date.	Name.	Age.	Residence. (Town.)	Married.			Children.	Number persons dependents.	Character of Injury and Cause of Accident.	Time lost—days.
				Married.	Single.	Children.				
1908										
May 22	John Davis.....	23	Divernon.....	1	..	..	1	Body burned, powder explosion	*	
27	Paul Polloz.....	24	Mechanicsburg.....	1	1	..	1	Rib broken, falling slate.....	*	
27	John Myers.....	40	Virden.....	1	..	4	5	Body injured, fell over switch lever.....	30	
June 9	Andy Mamer.....	22	Divernon.....	..	1	..	..	Knee fractured, flying coal.....	30	
13	T. J. Helms.....	68	Lincoln.....	..	1	..	..	Leg broken, falling rock.....	60	
27	Matthew Sunnen.....	53	Thayer.....	1	..	2	3	Leg broken, falling coal.....	30	
	Total.....			31	26	47	74			

\*Not recovered July 1, 1908.

Total number of men injured.....	57
Number not recovered July 1, 1908.....	4
Number recovered July 1, 1908.....	53
Total time lost by men recovered, days.....	2,603
Average time lost by men recovered, days.....	49.11

## Recapitulation Non-Fatal Accidents—Sixth District—1908.

Residence.	No	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Athens.....	4	Bellman.....	1	Blast explosion.....	1	Athens Mining Co.....	3
Auburn.....	6	Car trimmer...	1	Dump hook.....	1	Auburn & Allen Coal Co...	1
Decatur.....	1	Cager.....	2	Falling hook.....	11	Barclay Coal Co.....	1
Divernon.....	7	Drivers.....	15	Falling rock.....	2	Black Diamond Coal Co...	1
Greenview.....	1	Foreman.....	1	Falling slate.....	4	Cantral Coöperative C. Co...	1
Lincoln.....	4	Loaders.....	2	Fell from car.....	1	Capitol Coal Co.....	3
Mechanicsburg..	1	Machine help..	1	Fell in sump.....	1	Chicago-Springfield C. Co...	1
Mt. Pulaski....	1	Mach. runner...	1	Fell over switch lever	1	Chi, Wilm. & Ver. C. Co...	5
Petersburg.....	1	Mine manager..	1	Flying coal.....	2	Citizens Coal Mining Co...	7
Riverton.....	4	Miners.....	19	Mining machine.....	1	Illinois Collieries Co.....	7
Sherman.....	3	Mine examiner.	1	Motor.....	1	Illinois Midland Coal Co...	4
Springfield.....	17	Shot firers.....	3	Mule.....	1	Madison Coal Corporation..	9
Thayer.....	5	Spraggers.....	2	Pit cars.....	22	Mechanicsburg Coal Co...	1
Viriden.....	1	Timbermen.....	2	Powder explosion...	4	Mutual Coal Co.....	1
Hopkinsville, Ky	1	Trapper.....	3	Premature blast.....	1	Spring Creek Coal Co.....	2
		Trip rider.....	1	Shot explosion.....	1	Springfield Coal M. Co.....	4
		Trackman.....	1	Throwing slate.....	1	South Mountain Coal Co...	1
				Not stated.....	1	Standard Washed Coal Co..	1
						Tuxhorn Coal Co.....	1
						Woodside Coal Co.....	3
Totals.....	57		57		57		57

*Recapitulation of Non-Fatal Casualties, Nature of Injuries, Conjugal Relations and Time Lost—Sixth District—June 30, 1908.*

NATURE OF INJURIES.	Number.	Married.	Single.	Children.	Dependents.	TIME LOST—DAYS.		Percent- age of injuries.
						Total.	Average.	
Ankles broken.....	2		2			129	64.50	3.51
Ankles injured.....	3	1	2		1	120	40.00	5.26
Arms broken.....	2		2			66	33.00	3.51
Backs injured.....	4	3	1	7	10	295	73.75	7.03
Bodies burned.....	2	2		2	4	30	30.00	3.51
Bodies injured.....	2	1	1	4	5	70	35.00	3.51
Collarbones broken.....	1		1			55	55.00	1.75
Eyes injured.....	1	1			1	35	35.00	1.75
Face and hands burned.....	2	2		3	5	140	70.00	3.51
Face burned.....	1	1		1	2	35	35.00	1.75
Face, sides and arms injured.....	1	1		2	3	35	35.00	1.75
Fingers broken.....	1	1				40	40.00	1.75
Fingers injured.....	1	1				32	32.00	1.75
Foot cut off.....	1		1					1.75
Foot injured.....	6	5	1	5	9	248	41.33	10.53
Hands injured.....	1		1			33	33.00	1.76
Heads injured.....	4	3	1	5	8	145	36.25	7.03
Hips injured.....	2		2			87	43.50	3.51
Hips dislocated.....	2	2		4	5	122	61.00	3.51
Hips fractured.....	2	1	1	3	4	120	120.00	3.51
Knees bruised.....	2		2			80	40.00	3.51
Legs broken.....	8	4	4	6	10	512	64.00	14.04
Legs injured.....	1		1			45	45.00	1.75
Shoulders injured.....	1		1			30	30.00	1.75
Ribs broken.....	2	1	1	3	4	30	30.00	3.51
Thumb mashed.....	1	1		2	3	30	39.00	1.75
Toes cut and ankle bruised.....	1		1			39	39.00	1.75
Totals.....	57	31	26	47	74	2,603	49.11	100.00

*Brown County—Sixth District—1908.*

Number.	NAME OF OPERATOR.	Postoffice address. of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	M. F. Bates.....	Mt. Sterling...	300			300
2	Ed Six.....	do.....	100			100
	Totals.....		400			400

Mines reported for 1907, 2.  
Mines in 1908, 2.

*Cass County—Sixth District—1908.*

Number.	NAME OF OPERATOR.	Postoffice address. of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	William Shore.....	Chandlerville.....		800		800

Mines reported for 1907, 2.  
Abandoned mines, 1.  
Mines in 1908, 1.



*Brown County—Sixth District—Concluded.*

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employés.	Total.		Killed.	Injured.				
450 .....		300	100	2		2	300			7			1
260 .....		100	125	1		1	100			3			2
710 .....		400	113	3		3	400			10			

*Cass County—Sixth District—Concluded.*

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENT.		Powder used for blasting coal	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employés.	Total.		Killed.	Injured.				
2,000 .....		800	200	3	2	5	800			20			1

## Logan County—Sixth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address. of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Latham Coal Co.....	Lincoln.....	43,251	92,590	63,179	199,020
2	Citizens Coal Mining Co.....	..do.....	33,515	39,242	46,483	119,240
3	Lincoln Mining Co.....	..do.....	10,000	60,000	29,298	99,298
4	Mutual Coal Co.....	Mt. Pulaski....	.....	7,472	4,980	12,452
	Totals.....	.....	86,766	199,304	143,940	430,010

Mines reported for 1907, 4.  
Mines in 1908, 4.

Logan County—Sixth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENT.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employé's.	Total.		Killed.	Injured.				
224,449	171,890	27,130	185	265	135	406	199,020	.....	.....	9,875	Solid...	Pneu.	1
102,000	72,276	46,964	169	104	84	188	119,240	1	4	5,780	.....	do..	2
107,000	69,298	30,000	171	95	44	139	99,298	1	.....	4,000	.....	do..	3
16,188	1,549	10,903	217	25	9	34	12,452	.....	1	946	.....	W....	4
449,637	315,013	114,997	186	489	272	761	430,010	2	5	20,601			

## Menard County—Sixth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Middletown Coal Co., No. 1.....	Middletown.....		65,859	21,957	87,816
2	Athens Mining Co., No. 2.....	Athens.....	31,305	33,154	21,719	86,178
3	Wabash Coal Co., No. 2.....	..do.....	17,103	31,261	16,930	65,294
4	South Mountain Coal Co., No. 1.....	Petersburg.....	23,528	5,164	10,826	39,518
5	Peoples Coal Mining Co., No. 1.....	Tice.....	19,193	7,895	7,124	34,212
6	Tallula Coal Co., Talula.....	Tallula.....	23,765	5,169	2,650	31,584
7	Greenview Coal Co., No. 1.....	Greenview.....	280	9,246	6,556	16,082
8	Manchester Coal Co., Junction.....	Petersburg.....	5,000	3,000	2,000	10,000
Totals.....			120,174	160,748	89,762	370,684
LOCAL MINES.						
1	John Millegram.....	Petersburg.....	5,000	4,000	1,000	10,000
2	C. F. Johnson.....	Fancy Prairie.....		8,000	100	8,100
3	Arthur Wainright.....	Sweetwater.....		3,000	300	3,300
4	Brant & Waller.....	Petersburg.....		1,540	400	1,940
5	Peter Becker.....	Tallula.....		1,632	120	1,752
6	Oscar Davis.....	..do.....	875	540	335	1,750
Totals.....			5,875	18,712	2,255	26,842
Totals—14 mines.....			126,049	179,460	92,017	397,526

Mines reported for 1907, 14.

New mines, 1.

Abandoned mines, 1.

Mines in 1908, 14.

Menard County—Sixth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employés.	Total.		Killed.	Injured.				
86,193	79,914	7,902	204	76	45	121	87,816	.....	.....	4,241	Solid...	W....	1
88,386	80,229	5,949	191	101	50	151	86,178	.....	3	4,793	.....	do..	2
67,252	58,706	6,588	156	80	39	119	65,294	.....	.....	3,656	.....	Pnen.	3
37,376	30,927	8,591	206	44	11	55	39,518	.....	1	1,639	.....	Steam	4
35,922	33,780	432	167	51	16	67	34,212	.....	.....	1,936	.....	W....	5
31,555	27,035	4,549	178	40	13	53	31,584	.....	.....	1,490	Solid...	do..	6
17,980	10,102	5,980	240	26	14	40	16,082	.....	.....	745	do..	do..	7
12,500	5,000	5,000	244	15	9	24	10,000	.....	.....	500	do..	do..	8
<b>377,164</b>	<b>325,693</b>	<b>44,991</b>	<b>198</b>	<b>433</b>	<b>197</b>	<b>630</b>	<b>370,684</b>	<b>.....</b>	<b>4</b>	<b>19,000</b>			
13,750	.....	10,000	200	9	3	12	10,000	.....	.....	500	.....	.....	1
14,000	.....	8,100	150	8	1	9	8,100	.....	.....	400	.....	.....	2
6,000	.....	3,300	170	6	3	9	3,300	.....	.....	156	.....	.....	3
3,800	.....	1,940	125	4	1	5	1,940	.....	.....	90	.....	.....	4
3,153	.....	1,752	200	1	1	2	1,752	.....	.....	73	.....	.....	5
3,165	.....	1,750	120	4	2	6	1,750	.....	.....	70	.....	.....	6
<b>43,868</b>	<b>.....</b>	<b>26,842</b>	<b>161</b>	<b>32</b>	<b>11</b>	<b>43</b>	<b>26,842</b>	<b>.....</b>	<b>.....</b>	<b>1,289</b>			
<b>421,032</b>	<b>325,693</b>	<b>71,833</b>	<b>.....</b>	<b>465</b>	<b>129</b>	<b>673</b>	<b>397,526</b>	<b>.....</b>	<b>4</b>	<b>20,289</b>			

## Sangamon County—Sixth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Chicago, Wilm. & Ver. Coal Co., No. 1....	Thayer.....		98,402	270,146	368,548
2	Madison Coal Corporation, No. 6.....	Divernon.....	48,895	186,918	99,986	335,799
3	Illinois Midland Coal Co., Sherman.....	Sherman.....	74,038	82,567	145,700	302,305
4	Illinois Midland Coal Co., Victor.....	Pawnee.....	95,863	99,157	151,507	296,527
5	Woodside Coal Co., Woodside.....	Springfield.....	40,354	186,900	40,022	267,276
6	Springfield Coal Mining Co., No. 5.....	do.....	52,194	155,470	56,451	264,115
7	Springfield Colliery Co., Johns-Adams.....	do.....	148,103	67,055	42,016	257,174
8	Black Diamond Coal Co., Black Diamond	Auburn.....	117,896	91,008	44,717	253,621
9	Springfield Coal Mining Co., No. 2.....	Riverton.....	4,532	123,980	73,373	201,885
10	Capitol Coal Co., Capitol.....	Springfield.....	41,985	44,711	98,779	185,475
11	Sangamon Coal Co., No. 2.....	do.....	71,698	58,030	31,606	161,334
12	Chicago-Springfield Coal Co., C. S.....	do.....	82,187	44,445	32,818	159,450
13	Springfield Coal Mining Co., No. 4.....	do.....	66,498	60,989	17,393	144,880
14	Tuxhorn Coal Co., Tuxhorn.....	do.....	354	100,780	41,532	142,666
15	Springfield Coal Mining Co., No. 1.....	Riverton.....	7,796	94,965	37,860	140,621
16	Cora Coal Co., Cora.....	Springfield.....	27,270	62,028	43,652	132,950
18	Springfield Cooperative Co., New North.....	do.....	43,500	40,500	24,800	108,800
17	Springfield Coal Mining Co., No. 3.....	do.....	52,660	46,331	11,489	110,480
19	Barclay Coal Mining Co., Barclay.....	do.....	32,175	39,284	31,133	102,592
20	Standard Washed Coal Co., No. 7.....	Spaulding.....	896	46,087	52,843	99,826
21	Cantrall Cooperative Coal Co., Cantrall.....	Cantrall.....	18,798	47,595	32,469	98,862
22	West End Coal Co., West End.....	Springfield.....	27,242	40,112	31,004	98,358
23	Citizens Coal Mining Co., A.....	do.....	18,419	42,204	32,571	93,194
24	Illinois Collieries Co., No. 2.....	do.....	11,598	49,222	32,304	93,124
25	Standard Washed Coal Co., No. 2 R. R. 8.	Bissell.....	1,123	45,272	45,565	91,960
26	Illinois Collieries Co., No. 8.....	Springfield.....	9,719	27,260	38,358	85,337
27	O'Gara & King, O'Gara.....	do.....	34,086	28,192	21,740	84,018
28	Citizens Coal Mining Co., B.....	do.....	25,614	32,065	19,175	76,854
29	Wabash Coal Co., No. 1.....	Dawson.....	5,444	34,470	36,567	76,681
30	Spring Creek Coal Co., Spring Creek.....	Springfield.....	20,558	24,841	18,541	63,940
31	Auburn & Alton, A. A.....	Auburn.....	17,020	22,854	16,940	56,814
32	Johns & Adams Coal Co., Republic.....	Springfield.....	9,147	15,185	13,907	38,239
33	Williamsville Coal Co., Selbytown.....	Selbytown.....	2,116	8,968	13,721	24,305
34	Mechanicsburg Coal Co., Mechanicsburg..	Mechanicsb'rg..	3,865	7,602	9,857	21,324
Totals.....			1,213,843	2,114,949	1,710,542	5,039,334
LOCAL MINES.						
1	Lincoln Park, Peanut.....	Springfield.....	10,273	16,824	13,985	41,082
2	Cronster & Davis.....	Salesbury.....	1,540			1,780
3	Citizens Coal Co.....	Pleasant Plains	400			430
Totals.....			12,213	16,824	13,985	43,292
Totals—37 mines.....			1,226,056	2,131,773	1,724,797	5,082,626

Mines reported for 1907, 38.

Abandoned mines, 1.

Mines in 1908, 37.

Sangamon County—Sixth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
834,999	357,490	11,058	182	235	147	382	.....	.....	5	4,887	U. C.	Pneu.	1
335,799	322,161	13,638	179	230	125	355	.....	.....	9	3,851	Both.	do.	2
302,305	296,803	5,502	218	223	78	302	.....	.....	3	16,226	Solid.	do.	4
296,527	281,044	15,483	188	251	101	352	.....	4	3	13,833	do.	do.	3
275,010	204,200	63,076	257	206	90	296	.....	.....	3	12,777	do.	do.	4
245,622	256,820	7,295	214	181	77	258	.....	1	3	12,698	do.	do.	5
239,171	250,174	7,000	249	145	67	212	.....	.....	1	12,561	do.	do.	6
216,912	245,537	8,084	237	106	51	217	.....	.....	1	10,063	Both.	do.	7
187,753	194,573	7,312	167	175	84	259	.....	3	.....	10,176	Solid.	do.	8
181,765	82,420	103,055	259	100	101	261	.....	.....	3	8,820	do.	do.	9
156,509	156,117	5,217	240	140	50	190	.....	2	1	10,000	do.	do.	10
151,480	156,023	3,427	167	124	60	184	.....	.....	1	8,691	do.	do.	11
134,738	126,186	18,694	209	109	60	169	.....	.....	1	6,527	do.	do.	12
128,399	139,423	3,243	219	136	58	194	.....	.....	1	8,193	do.	do.	13
130,878	131,656	8,965	176	96	33	129	.....	.....	.....	6,075	do.	do.	14
132,394	128,873	4,077	220	132	66	198	.....	.....	3	8,040	do.	do.	15
100,000	81,600	27,200	220	87	55	142	.....	.....	.....	5,453	do.	do.	16
102,746	105,293	5,187	183	100	39	139	.....	1	.....	5,020	do.	do.	17
94,875	97,809	4,783	173	109	42	151	.....	.....	1	6,031	do.	do.	18
111,805	94,601	5,225	194	109	43	152	.....	.....	1	4,525	do.	do.	19
101,083	90,947	7,915	203	110	37	147	.....	.....	.....	4,380	do.	do.	20
97,807	71,988	26,370	151	90	47	137	.....	.....	1	5,282	do.	do.	21
94,351	86,099	7,095	150	99	34	133	.....	.....	2	4,565	do.	do.	22
86,141	88,511	4,613	80	185	81	266	.....	1	2	4,077	do.	do.	23
102,995	87,680	4,280	170	105	49	154	.....	.....	.....	4,645	do.	do.	24
76,803	79,303	6,034	114	190	85	275	.....	.....	.....	4,179	do.	do.	25
76,456	79,751	4,267	170	90	34	124	.....	.....	.....	4,899	do.	do.	26
78,522	75,604	1,250	130	90	32	122	.....	.....	1	4,185	do.	do.	27
83,331	71,912	4,709	164	74	54	128	.....	.....	.....	5,033	do.	do.	28
70,360	61,384	2,556	155	65	32	97	.....	.....	2	3,192	do.	do.	29
51,055	41,353	15,461	143	60	37	97	.....	.....	1	2,432	do.	do.	30
37,474	34,052	4,187	117	64	30	94	.....	.....	1	1,767	do.	do.	31
20,654	20,333	3,972	77	80	25	105	.....	.....	.....	960	do.	do.	32
21,000	15,992	5,332	193	25	18	43	.....	.....	1	1,191	do.	do.	33
<b>\$4,857,719</b>	<b>4,613,712</b>	<b>425,622</b>	<b>188</b>	<b>4,441</b>	<b>2,022</b>	<b>6,463</b>	<b>4,292,752</b>	<b>16</b>	<b>48</b>	<b>225,234</b>			<b>34</b>
<b>\$42,722</b>	.....	41,082	192	55	22	77	41,082	.....	.....	1,927	.....	.....	1
<b>2,695</b>	.....	1,780	200	6	2	8	1,780	.....	.....	80	.....	.....	2
<b>800</b>	.....	430	120	5	.....	5	430	.....	.....	20	.....	.....	3
<b>\$46,217</b>	.....	<b>43,292</b>	<b>171</b>	<b>66</b>	<b>24</b>	<b>90</b>	<b>43,292</b>	.....	.....	<b>2,027</b>	.....	.....	
<b>\$4,903,936</b>	<b>4,613,712</b>	<b>468,914</b>	.....	<b>4,507</b>	<b>2,046</b>	<b>6,553</b>	<b>4,336,044</b>	<b>16</b>	<b>48</b>	<b>227,261</b>			

*Schuyler County—Sixth District—Concluded.*

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	Whelhans & Kerr.....	Rushville.....	4,850		100	4,950
2	Cyrus L. DeWitt.....	do.....	1,407			1,407
3	Ferry & Wine.....	Frederick.....	922			922
4	Littleton Coal Co.....	Littleton.....	900		200	1,100
5	W. Cummins.....	Rushville.....	770		10	780
6	Charles Foster.....	Pleasantview..	600			600
7	Ray Tile Works.....	Ray.....	600			600
8	Morae Strong.....	Pleasantview..	500			500
9	Ed. Duffie.....	Rushville.....	300			300
10	Simon Parlwood.....	Littleton.....	251			251
11	Spiller & Eagle.....	Pleasantview..	200			200
12	John Eagle.....	Littleton.....	125			125
13	Ralph Strong.....	Pleasantview..	100			100
	Totals.....		11,525		310	11,865

Mines reported for 1907, 11.

New mines, 2.

Mines in 1908, 13.



*Schuyler County—Sixth District—1908.*

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYEES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employés.	Total.		Killed.	Injured.				
7,275	4,950	300	6	2	8	4,950			100			1	
2,100	1,407	300	4	1	5	1,407			36			2	
1,652	922	200	5	1	6	922			28			3	
1,648	1,100	100	5	2	7	1,100			26			4	
962	780	120	2		2	780			19			5	
900	600	150	4		4	600			15			6	
900	600	182	4		4	600			16			7	
625	500	60	3		3	500			15			8	
450	300	70	1		1	300			10			9	
375	251	60	1		1	251			7			10	
312	210	75	4		4	200			5			11	
250	125	45	1		1	125			4			12	
125	100	30	3		3	100			3			13	
17,574	11,835	130	43	6	49	11,835			234				

*Shipping Mines—Recapitulation by*

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Logan.....	4	86,766	199,304	12,816	39,549	76,403	15,172	430,010	\$1.046
Menard.....	8	120,174	160,748	1,125	15,102	61,174	12,361	370,684	1.017
Sangamon.....	34	1,213,843	2,114,949	278,805	174,818	1,129,712	127,207	5,039,334	0.964
Total.....	46	1,420,783	2,475,001	292,746	229,469	1,267,289	154,740	5,840,028	\$0.973

*Local Mines—Recapitulation by*

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Brown.....	2	400	.....	.....	.....	.....	.....	400	\$1.775
Cass.....	1	.....	800	.....	.....	.....	.....	800	2.50
Menard.....	6	5,875	18,712	.....	.....	2,255	.....	26,842	1.634
Sangamon.....	3	12,213	16,824	.....	.....	13,985	270	43,292	1.068
Schuyler.....	13	11,525	.....	.....	.....	.....	310	11,835	1.485
Total.....	25	30,013	36,336	.....	.....	16,240	580	83,169	\$1.327
Grand total.....	71	1,450,796	2,511,337	292,746	229,469	1,283,529	155,320	5,923,197	.....

Whole number of mines reported for 1907, 71.  
 Number of new mines opened during the year, 3.  
 Number of mines abandoned during the year, 3.  
 Whole number of mines reported for 1908, 71.

Counties—Sixth District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.					Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.			From solid—Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.							
315,013	114,997	186	489	173	34	65	761	430,110	20,601	430,010	.....	.....
325,693	44,991	198	433	127	8	62	630	370,684	19,000	370,684	.....	.....
4,613,712	425,622	188	4,441	1,291	191	540	6,463	4,292,752	225,234	4,081,366	368,548	589,420
5,254,418	585,610	190	5,363	1,591	233	667	7,854	5,093,446	264,835	4,882,060	368,548	589,420

Counties—Sixth District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.					Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.			From solid—Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.							
.....	400	113	3	.....	.....	.....	3	400	10	400	.....	.....
.....	800	200	3	.....	.....	.....	2	800	20	800	.....	.....
.....	26,842	161	32	2	.....	.....	9	26,842	1,289	26,842	.....	.....
.....	43,292	171	66	.....	.....	.....	24	43,292	2,027	43,292	.....	.....
.....	11,835	130	43	.....	.....	.....	6	11,835	284	11,835	.....	.....
.....	83,169	144	147	2	.....	.....	41	83,169	3,630	83,169	.....	.....
5,254,418	668,779	.....	5,510	1,593	233	708	8,044	5,176,615	268,465	4,965,229	368,548	589,420

## SEVENTH INSPECTION DISTRICT—1908.

## THIRD ANNUAL REPORT.

Counties: Calhoun, Christian, Greene, Jersey, Macoupin, Montgomery,  
Morgan, Scott, Shelby.

W. W. WILLIAMS, *Inspector*, Litchfield.

*Hon. David Ross, Secretary Bureau of Labor Statistics, Springfield, Ill.*

SIR—In compliance with the law of the State of Illinois, defining the duties of the State inspectors of mines, I have the honor to submit the third annual report of the coal mines in the seventh inspection district. The tabular statement in this report contains the different items called for in the schedules. The following is a summary of the leading items:

Number of mines .....	75
Number of new mines .....	6
Number of mines abandoned .....	4
Number of shipping mines .....	37
Number of local mines .....	38
Tons of mine run coal .....	1,402,341
Tons of lump coal .....	3,667,768
Tons of egg coal .....	165,329
Tons of nut coal .....	119,074
Tons of pea or screenings coal .....	1,467,206
Tons of slack or waste coal .....	415,650
Total tone all grades of coal .....	7,237,368
Aggregate value of total product, all mines .....	\$6,896,805
Tons loaded on cars for shipment .....	6,408,120
Tons supplied to locomotives at the mines .....	160,576
Tons sold to local trade .....	231,097
Tons consumed or wasted at the mines .....	437,575
Average number of days of active operation, shipping mines .....	187
Tons mined by hand .....	3,154,014
Tons mined by machine .....	4,083,354
Number of mines using machines .....	18
Number of machines in use .....	306
Number of miners .....	5,838
Number of other employés underground .....	2,144
Number of boys underground .....	261
Number of employés above ground .....	811
Total number of employés .....	9,054
Number of kegs of powder consumed .....	113,885
Number of fatal accidents .....	28
Number of non-fatal accidents .....	111
Number of wives made widows .....	12
Number of children left fatherless .....	32
Number of employés to each fatal accident .....	323
Number of tons to each fatal accident .....	258,477
Ratio of fatal accidents per 1000 persons employed .....	3.1
Number of employés to each non-fatal accident .....	82
Number of tons to each non-fatal accident .....	65,202

## NEW MINES.

The Farmersville Coal Mining Company of Farmersville, Montgomery county, has sunk a mine one-half mile south of town, to the No. 6 seam, and are now equipping the mine in the most modern style.

The shaft is 369 feet to the coal; the seam is 9 feet thick and has a very good roof. The company is now sinking the air shaft, also putting in the side tracks on top, and will probably be ready to ship coal the beginning of the coming winter.

The Montgomery County Coal Company of Hillsboro, Montgomery county, has sunk a mine to the No. 6 seam, two and one-half miles southwest of Hillsboro; the company is equipping this mine for a very large tonnage. Both the hoisting and air shaft are down to the coal; both are the same dimensions, 9 by 16 feet. The shaft is 470 feet deep. A shaker screen has been put in, 8 by 52 feet, equipped to make all sizes of coal. There are two Bonson patent boilers, each 400 horsepower, with a working pressure of 150 pounds. The engines are the Litchfield make, 26 by 42 inches, with a cone drum. Steel pit cars of 4-ton capacity are used in the mine. All the other equipments are of the latest style.

## FIRES.

Sept. 28, 1907, a fire at the Consolidated Coal Company's mine No. 15, Mt. Olive, Macoupin county, completely destroyed the engine and boiler rooms, together with one large compressor; also damaging another compressor and the hoisting engine. The destruction of the property caused the mine to remain idle until December 3rd following.

The night of Oct. 3, 1907, a fire destroyed the top works of the Penwell Coal Mining Company at Pana, Christian county. There were eighteen men in the mine at the time, all of whom were rescued, but with great difficulty; not, however, because the way of escape was not in first-class shape. The men came out through an opening from this mine to the Smith-Lohr mine, which was on the east side of the shaft; the men were on the west side and had to cross to the east side, passing the shaft. The hoisting shaft is both a down and an up cast, the two currents being separated by a partition. The hoisting compartment, being the downcast, carried the flame to the bottom, setting the mine cars on fire, also burning through the partition, filling both the intake and return air courses with smoke, which almost completely shut the men from retreat. All of the mules, except five which were burned, were taken out the next day.

The company has since connected the west side of the mine with the Pana Coal Company's No. 1 mine, making a separate escape for each side of the mine.

## IMPROVEMENTS.

The Penwell Coal Mining Company at Pana, Christian county, in consequence of a fire, had to rebuild the entire whole top works of its mine, consisting of the tippie, screenings bin, box car loader house, fan house and all machinery therein, also the railroad chutes. The old-style cage was replaced with a self-dumping cage, thereby increasing the capacity of the mine; the time consumed in dumping with the new cage is much less than with the old. Special cars have been built to convey the coal from the mine to the railroad chutes, thus doing away with the storing of mine cars on top at night, as is done at many places where railroad engines are coaled. The Crawford and McCrinnon fan, which was also burned, was replaced with a 12-foot Stevens fan. This fan, under a trial, produced 167,000 cubic feet of air with a water gauge of 4.7 inches. The Clover Leaf Coal Company at Coffeen, Macoupin county, has installed at its No. 2 mine a Capell fan of 200,000 cubic feet capacity; also electric haulage.

The Superior Coal Company at Gillespie has installed electric haulage at its No. 3 mine, operating one motor on each side of the shaft.

## ABANDONED MINES.

The W. H. Bates Coal Company's mine at Winchester, Scott county, was abandoned in March, 1908.

The White Hall Sewer Pipe and Stoneware Company abandoned its two local mines at White Hall, Green county, in January, 1908.

The Clover Leaf Coal Company at Coffeen, Montgomery county, abandoned its No. 1 mine as a hoisting shaft, and are now using it as an escape shaft for their No. 2 mine.

## MINES TEMPORARILY SUSPENDED.

The Illinois Collieries Company, which is now in the hands of a receiver, Glenn W. Traer, have not as yet resumed work at its No. 1 and No. 4 mines at Virden, Macoupin county, since March 31, 1908. This company has also leased its No. 7 mine at Litchfield, Montgomery county, to the Litchfield Coal Company.

## FATAL ACCIDENTS.

July 7, 1907, Hiram Allen, miner, single, was injured by falling coal in the Illinois Collieries Company's mine No. 1, Virden. This accident occurred June 22d. He was bruised about the body so badly that he died July 7th.

July 5, 1907, Court Davidson, top laborer, aged 23 years, single, employed at the Superior Coal Company's mine No. 1, near Gillespie, was run over by some railroad cars that were being pushed by a locomotive. His leg was cut off and death resulted a few minutes afterwards.

July 12, 1907, William Kirk, miner, aged 26 years, single, was instantly killed by falling clod in the Superior Coal Company's mine No. 3 near Gillespie.

July 17, 1907, William Kalb, miner, aged 34 years, single, was instantly killed by falling coal in the Madison Coal Company's mine near Mt. Olive.

July 22, 1907, Steve Maviotta, miner, aged 30 years, single, was killed by falling rock in the mine of the Assumption Coal Company. The accident occurred at his road head; he had been repeatedly warned against taking such risks, in not properly propping his place.

Aug. 5, 1907, C. Otrodorvis, miner, aged 35 years, single, working in mine No. 1 of the Superior Coal Company, Gillespie, was caught under a piece of slate, that he knew was loose at the face of his room, and injured internally. He was taken to the hospital and died that night.

Oct. 1, 1907, E. C. Worley, car pincher, aged 19 years, single, employed on the surface at mine No. 2 of the Superior Coal Company at Benld. Deceased was between two railroad cars trying to separate them, in order to get the front car nearer to the dump, when an engine from behind struck the cars and he was run over and instantly killed.

Oct. 2, 1907, Rudolph Topolovshak, miner, aged 18 years, employed in mine No. 5 of the Madison Coal Company, Mt. Olive. Deceased was in the act of making a place to set a prop under a bad piece of roof, when it fell, killing him instantly.

Oct. 7, 1907, Sydney Jones, machine runner, aged 25 years, single, working in the mine of the Kortkamp Coal Company near Hillsboro, was undermining at the face of his room when a large body of coal broke loose and fell on him, killing him instantly.

Oct. 24, 1907, George Szoay, laborer, 35 years old, married, no children, employed at mine No. 2 of the Superior Coal Company, near Benld, was riding on a motor with one leg hanging over the end; a mule trip of two cars was coming out; the motorman could not stop his motor in time to prevent the motor and cars coming together; Szoay's leg was caught between, crushing it severely. Deceased was taken to the hospital and died from the injuries one week later. He leaves a widow.

Oct. 29, 1907, John Furnsock, spragger, aged 25 years, single, working in the mine of the Christian County Coal Company, Taylorville, was spragging at the bottom two days before he died when his hand was mashed; blood poison set in, causing his death.

Nov. 24, 1907, Matt Krenoszcas, driver, aged 22 years, single, working in the mine of the Christian County Coal Company, Taylorville, was watering the roads, driving with a very high iron tank, riding in front and standing on the drawbar; looking backwards while passing a place where the entry was very high he unexpectedly came to a low place where his head was caught between the roof and the top of the tank, killing him instantly.

Nov. 26, 1907, Max Alberts, loader, aged 42 years, married, working in the Consolidated Coal Company's No. 10 mine, Mt. Olive, Macoupin county, was loading a car in a room by himself, and was found dead under a large mass of coal that had fallen on him. He leaves a widow and seven children.

Dec. 21, 1907, Charles Morton, miner, aged 42 years, married, working in the mine of the Vivian Collieries Company, Greenridge, Macoupin county, was engaged, and had been for some time, trying to pull a rock down at the face of his room; failing to bring it down, he went to work under the rock, after being repeatedly told not to do so; the result was that the rock fell on him, killing him instantly. He leaves a widow and one child.

Dec. 23, 1907, H. A. Best, driver, aged 26 years, single, employed in the Superior Coal Company's No. 2 mine near Benld, Macoupin county, was found under a loaded car, dead. It was supposed that he was riding on the front of the car and fell off, the car running over him. He had only one car hitched to the mule, and the road was perfectly level, with plenty of room on the sides of the road.

Jan. 6, 1908, John Dounellson, shot-firer, aged 28 years, married, was killed by the explosion of a blown-out shot in the Shoal Creek Coal Company's mine, Panama, Montgomery county. Deceased was severely burned by the explosion and died from the effects ten days later. He leaves a widow and one child.

Jan. 25, 1908, August Henri, miner, aged 32 years, married, working in the Stonington Coal Company's mine at Stonington, Christian county. Deceased was severely burned by an explosion of gas and died from the effects two days later. He was sent by the mine manager with a naked light to clear away some slate in a room where it was known to contain seven feet of gas overhead. He leaves a widow.

Feb. 10, 1908, Anton Procoroni, miner, aged 30 years, single, working in the Burnwell Coal Company's mine No. 1 at Witt, Montgomery county. Deceased was caught under falling coal and crushed to death at the face of his room. He was thrice warned not to go under the coal that fell.

Feb. 20, 1908, F. Littan, miner, aged 52 years, married, working in the Christian County Coal Company's mine at Taylorville, Christian county. Deceased was undermining what is called a standing shot at the face of his room when a large body of the coal gave away, falling on him and killing him instantly. He leaves a widow.

March 14, 1908, Charles Utkis, driver, aged 29 years, single, employed in the Vivian Collieries Company's mine at Greenridge, Macoupin county. Deceased was found dead under a loaded car on an entry where the road was perfectly level; no one saw him fall, and it is supposed that he fainted and fell from the car.

March 17, 1908, Elmer Woods, top foreman, aged 33 years, married, employed at the Royal Colliery Company's mine at Virden. Deceased was caught in the machinery of the coal washer and drawn between the belt and belt wheel, crushing him to death. He was in the act of oiling the machinery; it was supposed that his clothes caught in some manner and drew him in. He leaves a widow and three children.

March 17, 1908, Ad. Jarman and George Flanery, shot-firers, employed in the Shoal Creek Coal Company's mine, Panama, Montgomery county, the former aged 32 years, single, the latter aged 42 years, married, were both

killed by an explosion caused by a blow-out shot; they were found three feet from the face of the entry where the shot was fired, and had evidently been suffocated. Flanery leaves a widow and two children.

March 23, 1908, Steve Matakovitah, miner, aged 27 years, married, was killed in the Consolidated Coal Company's mine No. 8, Staunton, Macoupin county. Deceased was caught under falling slate and received injuries from which he died two hours after the accident. He leaves a widow and two children.

March 30, 1908, Daniel Speakman, top laborer, aged 20 years, married, employed at the Christian County Coal Company's mine, Taylorville, was killed under a railroad car. He had just taken two loaded cars down from the mine, and in returning had stepped between two other loaded cars that were on another track; these cars were in a string of thirteen, ten of which were between deceased and the shaft; while between these cars, four other cars were being let down on the same track striking the thirteen cars with such force as to knock him down with the result as stated. He leaves a widow and one child.

May 15, 1908, Charles Kremmer, miner, aged 39 years, married, employed in the Pana Coal Company's mine No. 1, Pana, Christian county, was caught under falling coal at the face of his room, receiving injuries from which he died two hours afterwards. He leaves a widow and seven children.

June 9, 1908, Peter Forrello, miner, aged 35 years, single, working in the Smith-Lohr Coal Mining Company's mine at Pana, Christian county was instantly killed under a heavy fall of coal at the face of his room. He was mining underneath when the coal fell on him.

June 26, 1908, Fred Whitehouse, loader, aged 54 years, married, working in mine No. 5 of the Madison Corporation Coal Company, Mt. Olive, Macoupin county, was killed under falling coal. He was shoveling for a machine, and was taking the first cut under a new room, when a piece of coal weighing about 1,000 pounds fell on him. He leaves a wife and nine children.

It is remarkable the number of men that have been killed this year at the working face, many of whom were warned of the danger they were in and would have avoided death if due care and precaution had been exercised.

The accident tables follow, also the statistical tables of each county.

Respectfully submitted,

W. W. WILLIAMS,

*Inspector 7th District, Litchfield.*



*Fatal Casualties—Seventh District—July 1, 1908.*

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	W W W	Children.	Single.	Persons dependent.	Cause of Accident.
1907										
July 5	Court Davidson	23	Laborer	Gillespie				1		Railroad car
7	Hiram Allen		Miner	Virden						Falling coal
12	Wm. Kirk	26	do	Gillespie				1		Falling slate
17	Wm. Kolb	34	do	Mt. Olive						Falling coal
22	Steve Mariotta	30	do	Assumption				1		Falling rock
Aug. 5	C. Otrodowis	35	do	Gillespie				1		Falling slate
Oct. 1	E. C. Worley	19	Car pincher	do				1		Railroad cars
2	R. Topolovshak	18	Miner	Mt. Olive				1		Falling slate
7	Sidney Jones	25	Mac runner	Kortkamp				1		Falling coal
24	Geo. Szoay	35	Laborer	Benld.	1	1			1	Pit car and motor
29	John Fursnock	25	Spragger	Taylorville				1		Pit car
Nov. 24	Matt Kreuzszas	22	Driver	do				1		do
26	Max Alberts	42	Miner	Mt. Olive	1	1	7		8	Falling coal
Dec. 21	Chas. Norton	42	do	Greenridge	1	1	1		2	Falling rock
23	H. A. Best	26	Driver	Staunton				1		Pit car
1908										
Jan. 6	John Donnellson	23	Shot firer	Donnellson	1	1			2	Blown out shot
25	Aug. Henri	32	Miner	Stonington	1	1			1	Gas explosion
Feb. 10	Anton Procoroni	30	do	Witt				1		Falling coal
20	F. Littan	29	do	Taylorville	1	1			1	Falling coal
Mar. 14	Chas. Utakis	52	Driver	Greenridge				1		Pit car
17	Elmer Woods	33	Foreman	Virden	1	1	3		4	Machinery
17	Ad. Jarman	32	Shot firer	Sorento				1	1	Blown out shot
Apr. 17	Geo. Flamry	42	Shot firer	Sorento	1	1	2		3	Blown out shot
23	Steve Matakovich	27	Miner	Staunton	1	1	2		3	Falling slate
31	Dan Speakman	23	Laborer	Taylorville	1	1	1		2	Falling cars
May 15	Chas. Kremmer	39	Miner	Pana.	1	1	6		7	Falling coal
June 9	Peter Poorello	35	do	do	1	1	9		8	do
26	Fred Whitehouse	54	Loader	Mt. Olive	1	1	9		8	do
	Totals—28				12	12	32	16	43	

*Recapitulation of Fatal Casualties—Seventh District—1908.*

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Assumption	1	Car pincher	1	Falling coal	9	Assumption Coal Co.	1
Benld.	1	Driver	3	Falling rock	2	Burnwell Coal Co.	1
Donnellson	1	Foreman	1	Falling slate	4	Christian County Coal Co.	4
Gillespie	4	Laborer	3	Gas explosion	1	Consolidated Coal Co.	2
Greenridge	2	Loader	1	Machinery	1	Illinois Colliery Co.	1
Kortkamp	4	Mach. runner	1	Pit cars	5	Kortkamp Coal Co.	1
Mt. Olive	1	Miner	14	Railroad cars	3	Madison Coal Co.	3
Pana.	2	Shot firer	3	Blown out shot	3	Pana Coal Co.	1
Sorento	2	Spragger	1			Royal Coal Co.	1
Staunton	2					Shoal Creek Coal Co.	3
Stonington	1					Smith-Lohr Coal Co.	1
Taylorville	4					Stonington Coal Co.	1
Virden	2					Superior Coal Co.	6
Witt	1					Vivian Coal Co.	2
Totals	23		23		28		28

## Non-Fatal Casualties—Seventh District—July 1, 1908.

Date.	Name.	Age.	Residence. (Town.)	Married. Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1907								
July	1 James Reeves, Sr	22	Litchfield	1			1 Leg broken, falling coal	210
	1 Bert Brown	22	Taylorville	1	1		2 Collar bone broken, falling coal	33
	1 Richard Smith	22	Virden	1			Leg broken, mule ran away	70
	1 Alfred Grossa	22	Assumption	1			Ruptured, lifting coal	90
	6 Joe Drenile	59	Mt. Olive	1			1 Leg bruised, machine	60
	8 D. W. Hays	27	Staunton	1			Head bruised, pit car	31
	12 Dave Basher	30	Stonington	1			Arm and head bruised, falling slate	48
	16 Geo. Soloks	28	Benld	1	1		2 Knee sprained, falling clod	72
	17 Kris Lawrence	24	Sawyer ville	1	5		6 Wrist injured, falling coal	70
	17 John McGran	22	Stonington	1			Head bruised, pit car	60
	20 Mike Millick	60	Mt. Olive	1			1 Head injured, falling slate	37
	22 Bert Rosetto	21	Gillespie	1			Arm broken, falling coal	65
	22 Zonoini	23	do	1			Face burned, firing shot	66
	22 Albert Dechaney	18	Assumption	1			Shoulder dislocated, pit car	49
	23 Chas. Fritz	45	Litchfield	1	4		5 Back bruised, falling slate	30
	27 Mat Klover	25	Pana	1			Leg broken, falling coal	96
	30 Pat Kennedy	40	Benld	1	1		2 Leg broken, falling slate	111
Aug.	1 Chas. Sleinnitz	17	Mt. Olive	1			Fingers mashed, pit car	32
	11 Ray Larwood	25	Virden	1			Leg injured, pit car	30
	12 John Bretta	30	do	1			Hip dislocated, falling coal	30
	12 Mike Simmons	28	Benld	1			1 Leg injured, falling coal	94
	22 Wm. Husband	35	Pana	1	5		6 Shoulder injured, falling coal	41
	26 Alex. Patterson	28	Virden	1			Leg injured, machine	34
	26 Dave Griffiths	28	Greenridge	1			Back injured, falling coal	40
	23 Louis Patasky	32	do	1	1		1 Foot broken, falling coal	60
	29 Arthur Marshall	18	Litchfield	1			Hand bruised, falling rock	30
Sept.	4 S. Losko	18	Mt. Olive	1			Arm broken, pit car	100
	5 Geo. Welch	27	Benld	1			Face cut, falling coal	35
	6 Joe Yates	16	Gillespie	1			Leg broken, pit car	70
	7 Wm. Sieber	60	Staunton	1	2		3 Back bruised, falling coal	40
	11 Wm. Sprado	50	Pana	1			Back bruised, falling slate	78
	14 Chas. Dubett	21	Assumption	1			Body bruised, pit car	33
	16 John Freutschler	16	Mt. Olive	1			Hand mashed, cage	30
	18 Henry Dobson	17	Virden	1			Body bruised, machine	30
	19 M. Ponties	56	Staunton	1			1 Knee sprained, falling in hole	37
	19 A. Sandner	54	Mt. Olive	1			Hand injured, falling coal	30
	21 Wm. Gibrice	36	Assumption	1	2		3 Fingers mashed, pit car	30
	21 John Moliski	40	do	1			Head injured, falling coal	40
	27 Gus Meller	60	Staunton	1	6		7 Fingers injured, caught in roller	30
Oct.	2 Tony Car	25	do	1	1		2 Back injured, falling rock	35
	5 Cahs. Fritz	45	Litchfield	1	4		5 Foot injured, falling rock	37
	7 Sam Ellis	33	Greenridge	1			Back injured, falling coal	90
	8 Ira Easley	45	Stonington	1			Foot crushed falling coal	60
	9 Frank Dermas	24	Benld	1			Arm broken, pit car	36
	9 James Hogan	40	Girard	1	4		5 Body injured, falling rock	33
	11 Roy Kentfield	22	Gillespie	1			Leg broken, pit car	213
	30 John Wein	65	Taylorville	1	7		8 Collar bone, broken, pit car	90
Nov.	2 Walter Smith	22	Gillespie	1	2		3 Foot mashed, pit car	57
	4 Joe Herener	35	Moweaqua	1			Body burned, powder explosion	40
	9 Geo. Tom	44	Mt. Olive	1	4		5 Body bruised, machine	30
	12 Jno. Koelmiski	22	Taylorville	1			1 Hip bruised, pit car	34
	15 Walter Waller	35	Hillsboro	1			Ankle broken, falling coal	42
	25 Geo. Spitz	22	Witt	1	1		2 Body bruised, pit car	50
	25 Jno. Kochneski	22	Taylorville	1			Hip bruised, pit car	30
	25 E. W. Darrow	28	Stonington	1			Leg broken, pit car	30
Dec.	6 Jesse Wilcoxen	45	Virden	1			Foot broken, pit car	90
	16 Geo. Petrum	18	Pana	1			Body bruised, falling coal	35
	16 Chas. Herkobb	46	Spring Valley	1			Leg broken, falling coal	*
	23 Edw. Arnold	35	Carlinville	1			1 Ankle sprained, falling rock	40
	23 Frank Otto	24	Staunton	1			Foot mashed falling coal	160
	27 E. Broadman	20	Pana	1			Hip injured, falling coal	43
1908								
Jan.	8 John Pasvento	25	Witt	1			Toe broken, falling coal	30
	8 Max Uhlman	36	Staunton	1	5		6 Leg broken, falling slate	90
	13 Steve Locke	57	Assumption	1	3		4 Eye destroyed, flying coal	60
	17 Tony Farero	25	Virden	1			Body bruised, pit car	40

Non-Fatal Casualties—Seventh District—Concluded.

Date.	Name.	Age.	Residence. (Town.)	Married.	Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1905									
Jan. 22	Thos. Thomson.....	34	Stonington.....	1				Body burned, powder explosion.....	60
22	W. J. Ventrisse.....	22	Pana.....	1				Leg broken, falling coal.....	36
24	Dominick Berg.....	20	Assumption.....	1				Foot mashed, pit car.....	90
24	C. Saylor.....	47	Virden.....	1	1	2		Foot injured, switch.....	42
25	C. Bernard.....	50	Stonington.....	1				Face burned, gas explosion.....	30
25	A. Worlet.....	30	do.....	1				Face burned, gas explosion.....	50
25	Julé Sauffront.....	34	do.....	1				Face and hands burned, gas explosion.....	30
25	R. White.....	31	Litchfield.....	1		5	6	Leg broken, falling prop.....	60
27	Anton Foari.....	25	Virden.....	1				Shoulder injured, pit car.....	90
27	Ant Soloseqagi.....	25	Pana.....	1				Leg broken, falling slate.....	50
30	Jno. Irvine.....	66	Gillespie.....	1		3	2	Body injured, falling scaffold.....	121
Feb. 4	Walter Bartelo.....	17	Mt. Olive.....	1				Feet scalded, stepped into hot water.....	30
8	Geo. Calomich.....	24	Benld.....	1			1	Leg injured, falling coal.....	30
12	Dan Bote.....	50	Witt.....	1		3	3	Leg bruised, pit car.....	50
13	Wm. McQueen.....	25	Virden.....	1				Toe broken, pit car.....	35
14	Jno. McLaughlin.....		Auburn.....	1				Foot bruised, falling coal.....	40
14	Elmer Kidd.....	18	Virden.....	1				Body injured, squeezed by mule.....	*
15	John Doifler.....	do	do.....	1				Hand bruised, caught in wheel.....	30
17	J. W. Alexander.....	64	do.....	1		3	4	Leg bruised, falling coal.....	35
20	A. Uscavish.....	30	Pana.....	1				Ankle broken, falling coal.....	150
24	Samuel Allen.....	31	Mt. Olive.....	1		4	5	Ribs broken, pit car.....	30
26	Walter Komoski.....	19	Virden.....	1				Leg broken, falling coal.....	85
Mar. 2	Mike Drevetti.....	25	do.....	1				Body bruised, pit car.....	90
2	Henry Suthoff.....	20	Litchfield.....	1				Leg broken, pit car.....	60
2	F. W. Huffaker.....	Virden.....	Virden.....	1			1	Arm broken, falling coal.....	45
7	Thos. McWilliams.....	25	Gillespie.....	1			1	Body bruised, falling coal.....	72
9	Wm. Marfess.....	40	Witt.....	1		2	3	Leg broken, falling coal.....	90
9	Nick Codemo.....	50	Hillsboro.....	1		2	3	Leg broken, falling coal.....	90
14	M. Rabanovitch.....	27	Mt. Olive.....	1		1	2	Body injured, falling coal.....	30
21	John Sharp.....	49	do.....	1				Back injured, falling prop.....	30
23	Ross Courtney.....	21	Staannton.....	1				Body injured, pit car.....	30
25	H. Champney.....	41	Virden.....	1				Arm broken, falling coal.....	56
27	Andrew Gist.....	25	Spring Valley.....	1				Finger injured, pit car.....	30
30	Frank Worden.....	50	Mt. Olive.....	1		12	13	Shoulder injured, falling slate.....	74
May 21	Abe Wilder.....	29	Staannton.....	1				Shoulder dislocated, pit car.....	43
22	Joe Fietze.....	22	do.....	1				Foot injured, pit car.....	34
25	C. Droganski.....	35	Stonington.....	1		1	2	Leg broken, falling clod.....	60
26	Louis Fraujier.....	24	Benld.....	1			1	Body bruised, falling coal.....	44
26	S. Rudolphie.....	37	Gillespie.....	1		2	3	Body bruised, falling coal.....	42
26	Ed Bannon.....	22	Pana.....	1		1		Back injured falling coal.....	50
June 3	Harry Kilduff.....	51	Staannton.....	1		4	5	Hip dislocated, falling slate.....	55
11	F. Slowiewski.....	16	Pana.....	1				Leg broken, falling coal.....	60
18	Wm. Meyer.....	19	Irving.....	1				Arm broken, pit car.....	*
18	James Dewis.....	24	Litchfield.....	1				Leg injured, falling coal.....	*
27	Steve Dragavitch.....	21	Mt. Olive.....	1				Foot injured, switch.....	30
29	Alex. Carber.....	40	Pana.....	1		2	3	Leg broken, falling slate.....	*
	Totals.....			51	60	104	146		

\*Not recovered July 1, 1905.

Total number injured.....	111
Number not recovered July 1, 1905.....	5
Number recovered July 1, 1905.....	106
Total time lost by men recovered, days.....	6,027
Average time lost by men recovered, days.....	56.8

NOTE.—James Reeves, Sr. was injured Jan. 26, 1907, Bert Brown, June 20, Richard Smith, June 24, and Alfred Grossa, June 27.

## Recapitulation of Non-Fatal Casualties—Seventh District—1908.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Assumption.....	7	Cagers.....	3	Cages.....	1	Assumption Coal Co.....	7
Auburn.....	1	Car pushers.....	3	Falling clod.....	2	Burnwell Coal Co.....	4
Benld.....	7	Driver.....	26	Falling coal.....	41	Carlinville Coal Co.....	1
Carlinville.....	1	Engineer.....	1	Falling in hole.....	1	Christian County C. Co.....	4
Gillespie.....	9	Fireman.....	1	Falling in hot water..	1	Consolidated Coal Co.....	22
Girard.....	1	Foreman.....	1	Falling prop.....	2	Hillsboro Coal Co.....	1
Greenridge.....	3	Laborers.....	3	Falling scaffold.....	1	Illinois Collieries Co.....	11
Hillsboro.....	2	Loaders.....	8	Falling slate.....	10	Kortkamp Coal Co.....	2
Irving.....	1	Mach. runner.....	6	Falling rock.....	4	Madison Coal Corporation..	4
Litchfield.....	7	Mine manager.....	2	Firing shot.....	1	Moweaqua Coal Co.....	1
Moweaqua.....	1	Miners.....	45	Gas explosion.....	3	Pana Coal Co.....	6
Mt. Olive.....	12	Oiler.....	1	Lifting coal.....	1	Penwell Coal Co.....	5
Pana.....	12	Roadman.....	1	Machines.....	4	Royal Coal Co.....	13
Sawyer ville.....	1	Shovelers.....	3	Mules.....	2	Stonington Coal Co.....	10
Spring Valley.....	2	Spraggers.....	1	Pit cars.....	31	Superior Coal Co.....	16
Stanton.....	12	Trappers.....	2	Powder explosion.....	2	Vivian Coal Co.....	4
Stonington.....	7	Timbermen.....	2	Roller.....	1		
Taylorville.....	4	Trip rider.....	2	Switches.....	2		
Virden.....	17			Wheel.....	1		
Witt.....	4						
Totals.....	111		111		111		111

*Recapitulation of Non-Fatal Casualties, Nature of Injuries, Conjugal Relations and Time Lost—Seventh District, 1908.*

NATURE OF INJURIES.	Number.	Married.	Single.	Children.	Dependents.	TIME LOST—DAYS.		Percentage of injuries.
						Total.	Average.	
Ankles broken.....	2	1	1	.....	.....	192	96.00	1.80
Ankles sprained.....	1	1	.....	.....	1	40	40.00	0.90
Arms broken.....	6	1	5	.....	.....	362	60.03	5.41
Arms and heads bruised.....	1	1	.....	.....	1	48	48.00	0.90
Backs injured.....	9	4	5	9	13	433	48.11	8.11
Bodies injured.....	15	7	8	13	18	720	48.00	13.52
Collar bones broken.....	2	2	.....	8	10	123	61.50	1.80
Eyes destroyed.....	1	1	.....	3	4	60	60.00	0.90
Faces injured.....	5	2	3	.....	2	211	42.20	4.51
Feet broken.....	6	1	5	3	4	417	69.50	5.41
Feet injured.....	6	2	4	1	4	213	35.50	5.41
Fingers injured.....	4	3	1	8	10	152	38.00	3.61
Hands injured.....	5	2	3	2	3	152	30.40	4.50
Heads injured.....	4	2	2	.....	1	168	42.00	3.60
Hips dislocated.....	2	1	1	4	5	85	42.50	1.80
Hips injured.....	3	.....	3	.....	.....	137	45.67	2.70
Knees sprained.....	2	2	.....	1	3	109	54.50	1.80
Legs broken.....	19	9	10	18	26	1,520	95.00	17.11
Legs injured.....	8	5	3	6	10	333	47.57	7.21
Ribs broken.....	1	1	.....	4	5	30	30.00	0.90
Ruptured.....	1	.....	1	.....	.....	90	90.00	0.90
Shoulders dislocated.....	2	.....	2	.....	.....	92	46.00	1.80
Shoulders injured.....	3	2	1	17	19	205	68.33	2.70
Toes broken.....	2	.....	2	.....	.....	65	32.50	1.80
Wrists injured.....	1	1	.....	5	6	70	70.00	0.90
Totals.....	111	51	60	102	146	6,027	56.86	100.00

*Calhoun County—Seventh District—1908.*

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	Calhoun Brick & Clay Co.....	Golden Eagle...	2,407			2,407

Mines reported for 1907, 1.  
Mines in 1908, 1.

*Christian County—Seventh District—1908.*

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Springfield Coal Co., No. 6.....	Taylorville.....	226,683	26,918	20,736	274,337
2	Christian County Coal Co., No. 1.....	do.....	36,923	156,016	63,943	256,882
3	Pana Coal Co., No. 1.....	Pana.....	31,416	66,346	99,519	197,281
4	Pana Coal Co., No. 2.....	do.....		77,574	116,054	193,628
5	Stonington Coal Co., No. 1.....	Stonington.....	12,780	98,676	31,438	142,894
6	Smith-Lohr Coal Co., No. 1.....	Pana.....	42,685	36,880	62,718	142,283
7	Penwell Coal Mining Co., Penwell.....	Penwell.....	30,076	50,395	46,337	126,808
8	Assumption Coal Co., No. 1.....	Assumption.....	45,005		44,205	89,210
	Totals.....		425,568	512,805	484,950	1,423,323
LOCAL MINES.						
1	Hanover Coal Co.....	Edinburg.....	800	1,000	1,000	2,800
	Totals—9 mines.....		426,368	513,805	485,950	1,426,123

Mines reported for 1907, 8.  
New mines, 1.  
Mines in 1908, 9.

*Calhoun County—Seventh District—Concluded.*

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$2,407		2,407	206	16	6	22	2,407						1

*Christian County—Seventh District—Concluded.*

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$255,133	222,057	52,280	214	210	98	308	274,337			10,193	Solid	Pneu	1
256,000	237,078	19,814	162	198	78	276	256,882	4	4	6,347	do	do	2
187,423	47,410	149,871	163	168	70	238	197,281	1	1	1,838	do	Elec.	3
178,138	186,668	6,960	163	188	71	259	193,628		5	1,902	do	do	4
178,000	132,291	10,633	134	70	75	145		1	9	1,584	U. C.	Pneu	5
142,283	128,115	14,168	174	159	50	209	142,283	1		1,225	Solid	Elec.	6
122,956	98,295	28,513	125	160	77	237	126,808		6	1,408	do	Pneu	7
128,641	70,952	18,258	245	107	67	174	89,210	1	7	263	do	Elec.	8
<b>\$1,448,574</b>	<b>1,122,866</b>	<b>300,457</b>	<b>181</b>	<b>1,261</b>	<b>586</b>	<b>1,837</b>	<b>1,280,429</b>	<b>8</b>	<b>32</b>	<b>24,760</b>			
<b>\$5,200</b>	<b>2,800</b>	<b>120</b>	<b>7</b>	<b>8</b>	<b>15</b>	<b>2,800</b>			<b>100</b>				<b>1</b>
<b>\$1,453,774</b>	<b>1,122,866</b>	<b>303,257</b>	<b>....</b>	<b>1,258</b>	<b>594</b>	<b>1,852</b>	<b>1,283,229</b>	<b>8</b>	<b>32</b>	<b>24,860</b>			

## Greene County—Seventh District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	W. H. Allen, No. 1.....	Roadhouse.....	600	480	.....	1,080
2	E. E. Burroughs, No. 1.....	Greenfield.....	1,600	.....	.....	1,600
3	P. J. Tucker, No. 1.....	White Hall.....	4,800	.....	.....	4,800
4	White Hall Ry. Co., No. 1.....	do.....	8,084	.....	.....	8,084
	Totals.....	.....	15,084	480	.....	15,564

Mines reported for 1907, 3.

New mines, 1.

Mines in 1908, 4.





## Macoupin County—Seventh District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Superior Coal Co., No. 1	Gillespie		460,284	106,386	566,670
2	Superior Coal Co., No. 2	Sawyer ville		452,108	102,815	554,923
3	Superior Coal Co., No. 3	Gillespie		412,454	97,473	509,927
4	Consolidated Coal Co., No. 14	Staunton	20,426	183,456	102,045	365,927
5	Royal Colliery Co., No. 1	Vir den	15,822	156,862	164,996	337,680
6	Consolidated Coal Co., No. 15	Mt. Olive	24,412	166,075	129,579	320,066
7	Consolidated Coal Co., No. 6	Staunton	97,731	94,852	42,635	235,219
8	Illinois Collieries Co., No. 1	Vir den	4,665	88,603	115,635	208,873
9	Consolidated Coal Co., No. 8	Mt. Olive	94,782	73,965	30,475	199,222
10	Madison Coal Corporation, No. 5	do	73,339	69,039	40,678	183,056
11	Vivian Collieries Co., Green Ridge	Green Ridge		98,939	65,958	164,897
12	Consolidated Coal Co., No. 10	Mt. Olive	11,823	85,887	34,406	132,116
13	Illinois Collieries Co., No. 5	Girard	15,131	58,754	37,013	110,898
14	Consolidated Coal Co., No. 7	Staunton	11,785	51,605	45,518	108,908
15	Prairie State Coal & Coke Co., No. 1	Nilwood	63,947	1,000	1,000	65,947
16	Carlville Coal Co., No. 1	Carlville	42,211	13,920	9,590	65,721
17	Illinois Collieries Co., No. 4	Vir den	18,951	11,979	12,456	43,386
18	Consolidated Coal Co., Gillespie	Gillespie	705	24,125	12,721	37,551
Totals.....			495,730	2,503,907	1,211,349	4,210,986
LOCAL MINES.						
1	Wm. Niel & Co., No. 1	Bunker Hill		4,578	831	5,409
2	Bauser & Truesdale, No. 1	do	2,620		1,358	3,978
3	John J. Harbaugh, No. 1	Chesterfield	1,128			1,128
4	Chas Lyle, No. 1	Brighton	974			974
5	James Harbaugh, No. 2	Chesterfield	808			808
6	Cairns & Batt	Brighton	800			800
7	G. B. Loeper, No. 3	Chesterfield	562			562
8	Fritz Jerden, No. 3	Bunker Hill	120			120
9	Louis Lueking, No. 3	Brighton	100			100
Totals.....			7,112	4,578	2,189	13,879
Totals—27 mines.....			502,842	2,508,485	44,994	4,224,865

Mines reported for 1907, 27.

Mines in 1908, 27.

Macoupin County—Seventh District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$498,593	540,593	26,077	217	320	247	567	.....	2	8	3,820	U. C. ....	Pneu.	1
489,121	538,514	16,409	202	336	217	553	.....	3	5	3,710	do. ....	do.	2
447,544	495,874	14,053	228	260	209	469	.....	1	3	3,520	do. ....	do.	3
305,782	324,850	41,077	218	225	118	343	.....	.....	1	2,353	do. ....	do.	4
345,950	329,412	8,268	186	225	175	400	.....	1	13	9,263	Solid. ....	Elec.	5
271,336	283,181	36,885	184	234	120	354	.....	.....	12	2,085	U. C. ....	Pneu.	6
226,679	174,516	60,702	231	163	89	252	.....	1	3	1,386	do. ....	do.	7
198,430	193,297	15,576	123	270	144	414	.....	.....	2	2,889	Both. ....	do.	8
192,191	183,484	15,738	210	129	79	208	.....	.....	1	1,054	U. C. ....	do.	9
183,056	155,057	27,999	183	140	90	230	.....	3	4	1,008	do. ....	do.	10
148,407	159,311	5,586	173	122	69	191	110,331	2	4	5,716	Both. ....	do.	11
119,973	122,546	9,570	144	135	87	225	.....	1	2	686	U. C. ....	do.	12
99,808	103,339	7,559	114	185	80	265	110,898	1	.....	5,498	Solid. ....	do.	13
91,343	97,556	11,352	216	90	62	152	.....	.....	1	707	U. C. ....	do.	14
62,700	59,947	6,000	156	90	35	125	65,947	.....	.....	4,500	Solid. ....	do.	15
54,212	47,031	18,690	177	61	32	93	65,721	.....	1	3,336	do. ....	do.	16
43,385	29,567	13,819	126	40	32	72	43,386	.....	4	1,842	do. ....	do.	17
42,042	32,218	5,333	155	33	20	59	.....	.....	2	294	U. C. ....	do.	18
<b>\$3,820,542</b>	<b>3,870,293</b>	<b>340,693</b>	<b>180</b>	<b>3,061</b>	<b>1,911</b>	<b>4,972</b>	<b>741,961</b>	<b>15</b>	<b>66</b>	<b>53,667</b>			
\$7,460	5,409	210	8	1	9	.....	.....	.....	.....	.....	.....	.....	1
6,962	3,978	242	3	1	4	.....	3,978	.....	.....	.....	.....	.....	2
1,969	1,128	175	3	1	4	.....	1,128	.....	.....	.....	.....	.....	3
1,704	974	81	3	1	4	.....	974	.....	.....	.....	.....	.....	4
1,414	808	150	3	1	4	.....	808	.....	.....	.....	.....	.....	5
1,400	800	200	2	1	3	.....	800	.....	.....	.....	.....	.....	6
984	562	100	2	1	3	.....	562	.....	.....	.....	.....	.....	7
210	120	75	2	1	3	.....	120	.....	.....	.....	.....	.....	8
175	100	115	2	1	3	.....	100	.....	.....	.....	.....	.....	9
<b>\$22,278</b>	<b>13,879</b>	<b>150</b>	<b>28</b>	<b>9</b>	<b>37</b>	<b>37</b>	<b>8,470</b>	<b>.....</b>	<b>.....</b>	<b>.....</b>	<b>.....</b>	<b>.....</b>	<b>.....</b>
<b>\$3,842,820</b>	<b>3,870,293</b>	<b>354,572</b>	<b>.....</b>	<b>3,089</b>	<b>1,920</b>	<b>5,009</b>	<b>750,431</b>	<b>15</b>	<b>66</b>	<b>.....</b>			

## Montgomery County—Seventh District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Shoal Creek Coal Co., No. 1.....	Panama.....	7,009	175,730	110,388	293,127
2	Hillsboro Coal Co., Hillsboro.....	Hillsboro.....	85,596	88,292	90,611	264,499
3	Burnwell Coal Co., No. 1.....	Witt.....	176,395	65,936	16,196	258,527
4	Kortkamp Coal Co., No. 1.....	Hillsboro.....		95,403	78,055	173,458
5	Burnwell Coal Co., No. 2.....	Witt.....	113,827	39,469	10,610	163,906
6	Clover Leaf Coal Co., No. 2.....	Coffeen.....	1,991	61,314	27,597	90,902
7	Illinois Collieries Co., No. 7.....	Litchfield.....	21,051	15,063	13,905	50,019
8	Clover Leaf Coal Co., No. 1.....	Coffeen.....	2,165	28,254	13,767	44,186
9	Peabody Coal Co., No. 1.....	Nokomis.....	16,246	10,055	15,743	42,044
	Totals.....		424,280	579,516	376,872	1,380,668
LOCAL MINES.						
1	Farmersville Coal Co., No. 1.....	Farmersville.....		800	400	1,200
2	H. H. Hardin.....	Raymond.....	247	206	47	500
	Totals.....		247	1,006	447	1,700
	Totals—11 mines.....		424,527	580,522	377,319	1,382,368

Mines reported for 1907, 10.

New mines, 1

Mines in 1903, 11.

Montgomery County—Seventh District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYEES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$293,000	280,320	12,897	212	249	135	375	293,127	3	1	9,763	Solid	Pneu.	1
243,743	253,712	13,787	243	112	88	209	258,527	1	1	2,197	U. C.	do.	2
232,674	247,683	10,844	190	259	70	320	258,527	1	4	2,544	Solid	do.	3
173,000	168,458	5,000	218	109	42	142	173,000	1	2	1,800	U. C.	do.	4
147,515	159,351	4,555	265	105	63	165	147,515	1	1	1,809	Solid	do.	5
86,356	87,308	3,594	201	96	46	142	86,356	1	1	4,938	do.	do.	6
63,024	15,148	34,871	161	70	68	138	63,024	5	5	2,665	do.	do.	7
41,977	41,264	2,922	106	70	41	111	41,977	1	1	1,884	do.	do.	8
42,044	34,692	7,352	143	51	26	77	42,044	1	1	435	Both	do.	9
<b>\$1,320,333</b>	<b>1,284,936</b>	<b>95,732</b>	<b>182</b>	<b>1,094</b>	<b>576</b>	<b>1,670</b>	<b>914,642</b>	<b>5</b>	<b>12</b>	<b>28,035</b>			
\$2,000	1,200	120	3	8	11	1,200	2,000	1	1	40	Solid	do.	1
1,049	500	61	2	4	6	1,049	1,049	1	1	40	do.	do.	2
\$3,049	1,700	91	5	12	17	3,049	3,049	2	2	80	do.	do.	
<b>\$1,323,382</b>	<b>1,284,936</b>	<b>97,432</b>	<b>187</b>	<b>1,099</b>	<b>588</b>	<b>1,687</b>	<b>916,342</b>	<b>5</b>	<b>12</b>	<b>28,075</b>			

*Morgan County—Seventh District—1908.*

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	Chesley Wagstaff, Old.....	Murrayville.....	3,550			3,550
2	W. J. Fisher, New.....	do.....	3,500			3,500
3	E. E. Rining, Old.....	Arenzville.....	240	200		440
	Totals.....		7,290	200		7,490

Mines reported for 1907, 2.  
New mines, 1.  
Mines in 1908, 3

*Scott County—Seventh District—1908.*

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	W. H. Bates & Co., No. 1.....	Winchester.....		6,448	250	6,698
2	Wm. Kund, No. 1.....	Bluffs.....		1,080	50	1,130
3	McLaughlin Mining Co., No. 1.....	Alsey.....	1,059			1,059
4	Chas. McElwee, No. 1.....	Winchester.....	811			811
5	John McGuire, No. 1.....	Alsey.....	800			800
6	Ed Berry, No. 1.....	Exeter.....	700			700
7	Ed Rauff, No. 1.....	Bluffs.....	647			647
8	Geo. Sellers, No. 1.....	Winchester.....	457			457
9	Winchester Mining Co., No. 1.....	do.....	40			40
10	James A. Jones.....	do.....	680			680
11	Pat McGuire.....	do.....		240		240
	Totals.....		5,194	7,768	300	13,262

Mines reported for 1907, 2.  
New mines, 9.  
Mines in 1908, 11.

*Morgan County—Seventh District—Concluded.*

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$6,202 .....		3,550	290	5		5	3,550						1
6,125 .....		3,500	200	4		4	3,500						2
1,090 .....		440	120	3	1	4	440						3
<b>\$13,417</b> .....		<b>7,490</b>	<b>203</b>	<b>12</b>	<b>1</b>	<b>13</b>	<b>7,490</b>						

*Scott County—Seventh District—Concluded.*

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$16,620 .....		6,698	213	26	14	40	6,698						1
2,197 .....		1,130	300	3	1	4	1,130						2
2,118 .....		1,059	80	9	2	11	1,059						3
1,622 .....		811	200	3		3	811						4
1,400 .....		800	245	4		4	800						5
1,400 .....		700	150	5		5	700						6
1,294 .....		647	200	3		3	647						7
914 .....		457	200	3		3	457						8
100 .....		40	10	2		2	40						9
1,360 .....		680	200	3		3	680						10
420 .....		240	100	3		3	240						11
<b>\$29,485</b> .....		<b>13,262</b>	<b>173</b>	<b>70</b>	<b>19</b>	<b>89</b>	<b>13,262</b>						

## Shelby County—Seventh District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Century Coal Co., No. 1 .....	Tower Hill .....	5,377	34,893	54,096	94,366
2	Moweaua Coal Co., No. 1 .....	Moweaua .....	6,169	21,615	36,056	63,840
	Totals .....		11,546	56,508	90,152	158,206
LOCAL MINES.						
1	B. F. Strech, No. 1 .....	Shelbyville .....	2,009			2,000
2	Widick Bros., No. 1 .....	Finly .....	1,749			1,740
3	Wm. Baum, No. 1 .....	Shelbyville .....	1,618			1,618
4	John Anglin, No. 1 .....	do .....	830			800
5	W. F. Gallagher, No. 1 .....	Mad .....	433			400
6	Kingston & Hickey, No. 1 .....	Shelbyville .....	433			400
7	M. R. Williams, No. 1 .....	do .....	125			125
	Totals .....		7,083			7,083
	Totals—9 mines .....		18,629	56,508	90,152	165,289

Mines reported for 1907, 11.

Abandoned mines, 2.

Mines in 1908, 9.



Shelby County—Seventh District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employ'cs.	Total.		Killed.	Injured.				
\$95,000	87,741	6,625	213	127	39	166	94,366	.....	.....	2,305	Solid...	Elec.,	1
83,623	42,284	21,556	198	66	38	104	63,840	.....	1	4,565	...do....	Pneu.	2
<u>\$178,623</u>	<u>130,025</u>	<u>28,181</u>	<u>206</u>	<u>193</u>	<u>77</u>	<u>270</u>	<u>158,206</u>	<u>.....</u>	<u>1</u>	<u>6,870</u>			
\$5,500	.....	2,000	200	8	1	9	2,000	.....	.....	.....	.....	.....	1
6,785	.....	1,740	130	16	1	17	1,740	.....	.....	.....	.....	.....	2
4,450	.....	1,618	200	15	2	17	1,618	.....	.....	.....	.....	.....	3
2,200	.....	800	200	10	1	11	800	.....	.....	.....	.....	.....	4
1,000	.....	400	200	3	.....	3	400	.....	.....	.....	.....	.....	5
1,000	.....	400	150	6	.....	6	400	.....	.....	.....	.....	.....	6
344	.....	125	20	12	2	14	125	.....	.....	.....	.....	.....	7
<u>\$21,279</u>	<u>.....</u>	<u>7,083</u>	<u>157</u>	<u>70</u>	<u>7</u>	<u>77</u>	<u>7,083</u>	<u>.....</u>	<u>.....</u>	<u>.....</u>			
<u>\$199,902</u>	<u>130,025</u>	<u>35,264</u>	<u>....</u>	<u>263</u>	<u>84</u>	<u>347</u>	<u>165,289</u>	<u>.....</u>	<u>1</u>	<u>6,870</u>			

## Shipping Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Christian.....	8	425,568	512,805	32,829	55,955	332,049	64,117	1,423,323	\$1.018
Macoupin.....	18	495,730	2,503,907	44,994	33,223	796,823	336,309	4,210,986	0.907
Montgomery.....	9	424,280	579,516	68,516	11,832	293,154	3,443	1,380,668	0.956
Shelby.....	2	11,546	56,508	19,063	16,702	42,606	11,781	158,206	1.129
Total.....	37	1,357,124	3,652,736	165,329	117,712	1,464,632	415,650	7,173,183	\$0.944

## Local Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Calhoun.....	1	2,407	.....	.....	.....	.....	.....	2,407	\$1.00
Christian.....	1	800	1,000	.....	.....	1,000	.....	2,800	1.857
Green.....	4	15,084	480	.....	.....	.....	.....	15,564	2.031
Macoupin.....	9	7,112	4,578	.....	662	1,527	.....	13,879	1.605
Montgomery.....	2	247	1,006	.....	400	47	.....	1,700	1.794
Morgan.....	3	7,290	200	.....	.....	.....	.....	7,490	1.791
Scott.....	11	5,194	7,768	.....	300	.....	.....	13,262	2.223
Shelby.....	7	7,083	.....	.....	.....	.....	.....	7,083	3.004
Total.....	38	45,217	15,032	.....	1,362	2,574	.....	64,185	\$2.006
Grand total.....	75	1,402,341	3,667,768	165,129	119,074	1,467,206	415,650	7,237,368	.....

Whole number of mines reported in 1907, 73.  
 Number of new mines opened during the year, 6.  
 Number of mines abandoned during the year, 4.  
 Whole number of mines reported for 1908, 75.

Counties—Seventh District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.					Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.			From solid—Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.							
1,122,866	300,457	181	1,251	374	52	160	1,837	1,280,429	24,760	1,280,429	142,894	.....
3,870,293	340,693	180	3,061	1,331	144	436	4,972	741,961	53,667	623,632	3,213,584	373,770
1,284,936	95,732	189	1,094	377	52	147	1,670	914,642	28,035	900,667	437,957	42,044
130,025	28,181	206	193	46	5	26	270	158,206	6,870	158,206	.....	.....
6,408,120	765,063	187	5,599	2,128	253	769	8,749	3,095,238	113,332	2,962,934	3,794,435	415,814

Counties—Seventh District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.					Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.			From solid—Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.							
.....	2,407	206	16	3	.....	3	22	2,407	.....	.....	.....	.....
.....	2,800	120	7	4	.....	4	15	2,800	100	.....	.....	.....
.....	15,564	226	31	.....	.....	4	35	15,564	.....	.....	.....	.....
.....	13,879	150	28	.....	.....	9	37	8,470	.....	.....	.....	.....
.....	1,700	91	5	5	.....	7	17	1,700	40	.....	.....	.....
.....	7,490	203	12	.....	1	.....	13	7,490	.....	.....	.....	.....
.....	13,262	173	70	4	.....	15	89	13,262	.....	.....	.....	.....
.....	7,083	157	70	.....	7	.....	77	7,083	.....	.....	.....	.....
.....	64,185	168	239	16	8	42	305	58,776	140	.....	.....	.....
6,408,120	829,248	.....	5,838	2,144	261	811	9,054	3,154,014	113,472	.....	.....	.....

## EIGHTH INSPECTION DISTRICT—1908.

### THIRD ANNUAL REPORT.

Counties: Bond, Crawford, Effingham, Fayette, Jasper, Madison, Monroe,  
St. Clair.

WALTON RUTLEDGE, *Inspector, Alton.*

*Hon. David Ross, Secretary Bureau of Labor Statistics, Springfield, Ill.*

SIR—I have the honor to submit the third annual report of the coal mines in the Eighth Inspection district. The information contained in the statistical tables of this report gives in detail all of the prominent features of the coal industry in the district. The number of mines both shipping and local; the number of miners and other employés; the various grades of coal produced, and the number of tons in each grade; the aggregate value of the product at the mines; the disposition of the product, whether shipped by rail, sold to local consumers, or used for steam purposes at the mines; the amount of powder used in blasting the coal; the amount of coal mined by hand and by machine; the number of mining machines in use; the number of haulage motors underground; with a statement of all casualties, both fatal and non-fatal. The following summary shows an abbreviation of the principal items gathered from the tables of the coal producing counties.

Number of mines .....	112
Number of shipping mines .....	75
Number of local mines .....	37
Number of tons of mine run coal.....	1,488,945
Number of tons of lump coal .....	4,066,879
Number of tons of egg coal .....	260,606
Number of tons of nut coal .....	277,264
Number of tons of screenings (pea coal).....	1,699,077
Number of tons of duff or slack.....	308,492
Total number of tons (2,000 pounds) produced.....	8,101,263
Aggregate value of coal at the mines .....	\$7,191,424
Tons loaded on cars for shipment.....	7,478,923
Tons supplied to locomotives .....	52,932
Tons sold to the local trade .....	299,937
Tons wasted or used at the mines.....	269,471
Number of miners .....	6,456
Others employed underground .....	1,810
Number of boys employed underground.....	173
Number of employés above ground.....	923
Total number of employés .....	9,362
Average number of days in operation, shipping mines.....	173
Tons mined by hand .....	3,509,089
Tons mined by machines .....	4,592,174
Number of mines using coal cutting machines.....	30
Number of machines in use .....	345
Number operated by compressed air .....	277
Number operated by electricity .....	68
Number of electric motors for haulage underground.....	21

Price paid per ton for hand mining.....	\$0.55
Price paid per ton for machine mining.....	0.48
Powder used for blasting coal (kegs).....	164,830
Powder used for other purposes .....	121
Fatal accidents .....	22
Non-fatal accidents .....	114
Tons mined for each fatal accident.....	368,239
Fatal accidents for 1,000 employés.....	2.4
Number killed to every million tons mined.....	2.8

The following table presents the tonnage of Bond, Madison and St. Clair counties, for the years 1907-1908:

COUNTIES.	TOTAL TONS, ALL GRADES OF COAL.		Increase.	Decrease.
	1907	1908		
Bond.....	136,967	103,518	.....	33,449
Madison.....	3,573,163	3,584,106	10,943	.....
St. Clair.....	4,435,070	4,413,639	.....	21,431
Totals.....	8,145,200	8,101,263	10,943	54,880
Net decrease.....	.....	.....	.....	43,937

The district shows a decrease of 43,937 tons. Bond county shows the largest decrease, this is on account of the Illinois Collieries Company closing down its No. 6 mine in January, 1908.

St. Clair county shows a loss of 21,431 tons. This is partly due to three mines which have not been operated during the year. The Swansee Coal Company's mine, Belleville; the Silver Creek Coal Company's mine at O'Fallon and the Southern Coal and Mining Company's mine No. 6, Belleville; these mines have not been abandoned but are in condition to be operated at any time.

There were also ten other mines in St. Clair county which have not been operated since March 31, 1908, there being so little demand for coal, it did not pay the operators to run their mines. The shipping mines that were operated only show an average of 173 working days. The number of mines now opened out in this district could produce an output of over 8,000,000 tons of coal yearly providing a market could be found for the coal.

IMPROVEMENTS.

The following is a detailed list of the various improvements made in and about the mines of the district during the past year.

The Mississippi Colliery Company, Smithsboro, Bond county, has opened up the old mine at that place, taking the water out and retimbering both shafts; putting in large first motion engines; large boilers, new engine and boiler house, with a new and substantial tower, and out buildings.

The St. Louis and O'Fallon Coal Company, St. Clair county, has done a great deal of grading and has put in heavy rails also installed electric haulage in both of its mines.

The Donk Bros. Coal and Coke Company, Madison county, has installed electric haulage in its Maryville mine, also made separate traveling ways for men and mules.

The Bressmer Washed Coal Company at its White Oak mine, St. Clair county, has erected a new 20 foot fan; also improved the escapement shaft and underground works at its Lenzburg mine, also recased the fan, which has improved the ventilation one hundred per cent. At its advance mine a new 16 foot fan has been put in and a cage and engine installed at the air shaft and the underground works greatly improved

A new 20 foot fan has been installed at the T. M. Meeks mine, Marissa, St. Clair county.

The Johnson Coal Company, Marissa, St. Clair county has retimbered the air shaft; also put in a new engine and cage at its mine at Freeburg.

Breck & Schliming, Belleville, St. Clair county, have erected a new tower, also retimbered and enlarged the hoisting shaft of their mine.

L. Senior at the branch mine, Belleville, has installed coal cutting machinery, a Norwalk compressor and six Harrison punching machines.

The Lebanon City Coal Company has installed coal cutting machinery a Norwalk compressor and four Harrison punching machines.

The Highland Coal Company, Belleville, has retimbered both of its shafts.

The White and Nesbit Coal Company, Belleville, has retimbered the hoisting shaft at its mine.

The Pittsburg Coal Company, Belleville, has retimbered the main shaft of its mine.

The Consolidated Coal Company has retimbered the main shaft of its Green Mount mine, Belleville.

The International Coal and Mining Company, O'Fallon, has retimbered both shafts at its Bennett mine; also put in a new stairway in the escapement shaft at its carbon mine.

The Consolidated Coal Company has erected a new tower, and installed a new fan at its Gartside mine, near Belleville. This mine is now known as the Dewey mine.

The Glendale Coal Company, Belleville, has retimbered the air shaft of its mine.

The Consolidated Coal Company (Herman Phul, lessee), has erected a new tower and retimbered the main shaft at its Richland mine near Belleville.

The Missouri and Illinois Coal Company has erected a new tower, and improved the top works at its Rentchler mine, St. Clair county.

Grading and installing heavy T rails has been done at the following mines: St. Egan mine of the Taylor Coal Company; No. 17 mine of the Consolidated Coal Co., near Collinsville; No. 8 mine of the Southern Coal and Mining Company, Shiloh, St. Clair county, and at No. 2 mine of the Mt. Olive and Staunton Coal Company, Madison county. The Edwardsville Coal Company has installed a new box car loader at its Edwardsville mine, Madison county.

#### ABANDONED MINES.

The Consolidated Coal Company of St. Louis, Mo., has abandoned its No. 3 and Heintz Bluff mines at Collinsville, Madison county. The Madison Coal Corporation has abandoned its No. 7 mine at Ogles Station, St. Clair county.

#### CHANGE OF NAME.

The John T. Nixon mine, Marissa, St. Clair county will be known from this time on as the Little Muddy mine. The Geo. Penn mine will be known as The Edge Mount Coal Company. The Hippard mines at Belleville will be known as The Vulcan Coal and Mining Company. The Consolidated Coal Company's Gartside mine, will be known as The Dewey Coal Company. The Southern Coal Mining Company's No. 2 mine will be known as the Harmony Coal Company. The Bessmer Washed Coal Company of St. Louis, Mo., is now operating The Oak Ridge Coal Company's mine at White Oak, also the Advance mine at Marissa and The Terrie Coal Company's mine at Lenzburg.

## FATAL ACCIDENTS.

The following is the detailed information of the fatal accidents which have occurred in the district during the year ended June 30, 1908:

July 31, 1907, Stephen Hesse, miner, aged 48 years, married, employed in the Missouri and Illinois Coal Company's mine, Wildeman, St. Clair county. Deceased was mining out a standing shot, when the coal fell away and caught him, killing him instantly. He leaves a widow.

September 24, 1907, Florin Kloeck, miner, aged 23 years, single, was instantly killed by falling clod, at the working face, in the Madison Coal Corporation Company's No. 4 mine, Glen Carbon, Madison county. He was in the act of taking the clod down, when it fell and caught him.

October 2, 1907, Louis Malench, miner, aged 18 years, working with his father in the mine of the new Staunton Coal Company, Livingston, Madison county. Deceased was seriously burned by an explosion of powder. He was making a cartridge, when it is supposed his lamp, or a spark from his lamp, fell into the powder keg causing the explosion. He died the following day.

October 10, 1907, Fred Raeber, miner, aged 27 years, single, was killed in No. 1 mine of the St. Louis and O'Fallon Coal Company, near French Village, St. Clair county. Deceased was taking down coal previously left by shots, when a body of coal fell away very suddenly and caught him underneath.

October 15, 1907, Anton Kavanda, machine helper, aged 47 years, married, employed in Henrietta Coal Company's mine, Edwardsville, Madison county was instantly killed by a slab of clod falling on him. A room had been shot from the solid. Deceased and his partner, the machine runner, had taken the machine into the room to commence cutting, they found some loose coal there and was loading it out, when the clod fell and caught Kavanda underneath. He leaves a widow and two children.

November 6, 1907, Jacob Rogi, shot frer, aged 40 years, married, employed in the Meeks Coal Company's mine, Marissa, St. Clair county, was killed by coal flying from a shot. Deceased and his partner were firing shots in the first and second west entries off the north side of the shaft. They fired a sumping or bursting shot on the rib in the second west entry; and then went into the first entry and fired shots. There were two more shots to be fired in the second west entry; both men went into this entry and lighted the shots; a great deal of smoke had gathered there, left from the first sumping shot, the men got bewildered from the smoke and could not find the way out, one of the shots went off and both men were struck with flying coal. He leaves a widow and three children.

November 9, 1907, Geo. A. Faith, driver, aged 20 years, single, was injured in the Southern Coal and Mining Company's No. 8 mine, Shiloh, St. Clair county by falling in front of a loaded trip. It was not known how he came to fall in front of trip, his left leg was broken above the knee. He was taken to the hospital at Belleville. The doctors wanted to amputate the leg, but his parents objected, the result was blood poison set in, which caused his death January 1, 1908.

November 15, 1907, John Gnesky, machine helper, aged 30 years, single, employed in the Lumaghi Coal Company's No. 2 mine, Collinsville, Madison county, was instantly killed by falling coal from the face of a room, which was being cut by the machine; when the coal fell it caught his head on the machine board; the coal had been shattered by previous shots, and had not been blocked or sounded.

November 25, 1907, John B. Price, mine manager, aged 40 years, married, employed at the mine of the Johnson Coal Company, Marissa, St. Clair county. Deceased was in the elevator house examining something about the elevator chains, in some way his feet got entangled in the conveyor buckets, when his feet and legs were crushed. He was taken to the hospital at Belleville; the doctors amputated one of his legs but he died from the shock December 31, 1907. He leaves a widow and two children.

December 2, 1907, Gustav Messenbach, machine helper, aged 25 years, single, employed in the No. 8 mine of the Southern Coal and Mining Company, Belleville, was instantly killed by coming in contact with electric wires. Deceased was working with John Schneider as a helper at the electric coal cutting machine; while the machine was backing out, after having made a cut, the safety plug on the machine broke; Schneider went to get the electrician, and a new plug; while he was gone Messenbach commenced to work on the machine trying to take out the broken plug, without turning off the electric current, while at work his neck came in contact with the feed wire, which caused instant death.

December 13, 1907, Otto Kanlen, machine runner, aged 25 years, single, employed in the mine of the DeCamp Coal Company, near Staunton, Madison county, was fatally injured by a flying cap piece. Deceased was mining a room, and when he cut up to the center of the room, where the hauling track was, the machine truck was standing on the track being in the way of the machine, he tried to push the truck back, it upended and when it dropped back, struck a cap piece, which flew up and struck Kanlen on the head; he finished his days work walked two miles home, washed and eat a good supper; his head began to hurt him and he was taken to the doctor at Staunton, and to his sister's home, where he died 22 hours after the accident. The doctor stated congestion of the brain was the cause of his death.

December 14, 1907, John Satorie, miner, aged 30 years, married, employed in the mine of the DeCamp Coal Company, near Staunton, Madison county, was instantly killed by falling clod, from the face of a room, where he was working. His partner testified that they knew the clod was loose and that they had tried to take it down, but had failed; they then went on loading coal and had just about finished loading a car, when the clod fell striking Satorie. Deceased leaves a widow and two children in Italy.

December 14, 1907, John Rickert, miner, aged 34 years, married, working in No. 1 mine of the St. Louis and O'Fallon Coal Company, French Village, St. Clair county, was killed by falling slate. Deceased and his partner were taking down top coal; the coal had fallen and they were cleaning up intending to put up a cross bar under the slate, when it suddenly fell and caught Rickert underneath.

December 16, 1907, John Slobski, miner, single, aged 30 years, working in the mine of the Cluly-Miller Coal Company near Caseyville, St. Clair county, was killed instantly by falling slate. Deceased was prying some coal down with a bar, the coal had been left up by a previous shot; when suddenly the coal fell away, knocking out a prop, and the slate falling caught him underneath.

February 4, 1908, Joseph Guicesavaje, miner, aged 28 years, married, working in mine No. 2 of the Lumaghi Coal Company Collinsville, Madison county, was seriously injured by falling slate at his working face. Deceased was loading a car of coal when the slate which was about one and a half inches thick fell and caught him underneath. He died the same day, and leaves a widow and one child.

May 13, 1908, George Ehret, miner, aged 34 years, married working in the No. 2 mine of the St. Louis and O'Fallon Coal Company, near O'Fallon, St. Clair county, was killed by a premature blast. Deceased was in the act of charging a hole, using a scraper to push the cartridge of powder into the hole; it is supposed the cartridge had bursted and that the scraper striking sulphur produced a spark which caused the powder to explode. Some other cartridges which were to be used in other holes, also exploded, burning him severely. His body was badly bruised by the flying coal from the first shot. He leaves a widow and two children.

May 13, 1908, Joseph Macke, miner, aged 35 years, married, was fatally injured by flying coal, died July 22, 1908. Deceased was working with Geo. Ehret who was killed by a premature blast, when coal flying from the



blast that killed Ehret struck him, bruising him very severely. He was at work loading a mine car, when the flying coal struck him. He leaves a widow and two children.

May 15, 1908, George Casper, miner, aged 27 years, single, working in mine No. 3 of the Lumaghi Coal Company, Collinsville, Madison county, was killed while loading coal at the face of a room by falling slate.

May 15, 1908, Wm. Parrish, miner, aged 40 years, widower, working in the mine of Perry Myers, Bethalto, Madison county. Deceased was wedging down some coal left from a previous shot when the coal falling suddenly caught him underneath. He was removed to the hospital at Alton where he died June 22, 1908. He leaves five orphan children.

June 24, 1908, P. D. Zoncllick, miner, aged 27 years, married, working in the mine of the DeCamp Coal Company, DeCamp, Madison county, was fatally injured by falling clod at the working face. He died in the hospital, July 1, 1908, leaving a widow and one child.

June 24, 1908, Louis Weiemann, driver, aged 22 years, single, working in No. 2 mine of the Donk Bros. Coal and Coke Company, Maryville, Madison county. Deceased was making his first trip in the morning and in coming out on to the main haulage way he fell off the trip, the cars passing over his body, causing his death. It was not known just how or what caused him to fall off the trip as no one was present.

June 26, 1908, John Hammon, Jr., miner, aged 20 years, single, working in the mine of the Diamond Joe Coal Company, Millstadt, St. Clair county, was fatally injured by falling top coal. His spinal column was fractured. He died August 5, 1908.

There have been three other deaths at the mines in the district, during the year, also one man badly injured, so as not to be able to work in the mines again. These deaths cannot be recorded as occurring in the mining of coal. They are as follows:

July 1, 1907, Louis Cologna and August Genette, miners, were killed by an explosion of powder and Joseph Welsh severely injured in the Consolidated Coal Company's No. 17 mine near Collinsville, in St. Clair county; and Edward Evans, a boy 12 years of age, was scalded to death at the Bessmer Washed Coal Company's mine at White Oak, St. Clair county, October 9, 1907. On Saturday night June 29, 1907, Joseph Genette and Joseph Yadra, two miners, from Glen Carbon, Madison county, went to the No. 17 mine of the Consolidated Coal Company, going down the stairway of the escapement shaft, and into the working place of Louis Cologna and August Genette, (which was the fact of the main north entry) they opened the powder box belonging to Cologna and Genette, which contained parts of two kegs of powder, and fixed up an infernal machine, consisting of a double barrelled pistol, with wires attached to the trigger of the pistol, and so connected to the lid of the box, that when the lid was lifted the pistol would explode and set off the powder. On Monday morning, July 1, 1907, Louis Cologna and August Genette in company with Joseph Welsh, went into the mine to go to work as soon as they got within 100 feet of the working face, where the powder box was standing Louis Cologna started to open the powder box, he had lifted the lid about one quarter distance up, when an explosion occurred, throwing all three men to the ground, Cologna and Genette were severely burned, Cologna died at noon the same day. Genette died July 4, 1907. Joseph Welsh is yet alive, but will not be able to work as a miner again.

Through the good services of the city marshals of Glen Carbon and Collinsville and the State's attorney of St. Clair and Madison counties, Joseph Genette, a cousin of August Genette was arrested for the crime; he afterwards confessed that Joseph Yadra and himself, had planned the infernal machine, which killed Louis Cologna and August Genette and severely injured Joseph Walsh. Joseph Genette and Joseph Yadra are now both serving life terms in the State prison for the crime.

As regards the death of the boy, Edward Evans, his brother Roy Evans, was night engineer at the White Oak mine, the boy was in the boiler room, his brother Roy Evans was standing on a box working at the feed pipe of the boiler with a wrench; the feed pipe bursted and the boy standing near it was scalded to death. Roy Evans the engineer, was also severely scalded.

The tables of the fatal and non-fatal accidents with the regular county tables follow, giving the detailed information of the coal mining industry of the district.

Respectfully submitted,

WALTON RUTLEDGE.

*State Inspector of Mines, 8th District, Alton, Illinois.*

*Fatal Casualties—Eighth District—1908.*

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	Widows.	Children.	Single. Persons dependent.	Cause of Accident.
1907									
July 31	Stephen Hesse.....	48	Miner.....	Freeburg.....	1	1	..	1	Falling coal.....
Sept. 24	Florin Kloeck.....	23	do.....	Glen Carbon.....	..	..	1	..	Falling clod.....
Oct. 2	Louis Malench.....	18	do.....	Livingston.....	..	..	1	..	Powder explosion....
10	Fred Raeber.....	27	do.....	Belleville.....	..	..	1	..	Falling coal.....
15	Anton Kavanda.....	47	Mac. help.....	Edwardsville.....	1	1	2	3	Falling clod.....
Nov. 6	Jacob Rogi.....	40	Shot firer.....	Marissa.....	1	1	3	4	Flying coal.....
9	Geo. A. Faith.....	20	Driver.....	Belleville.....	..	..	1	..	Pit car.....
15	John Guesky.....	30	Machine help.....	Collinsville.....	..	..	1	..	Falling coal.....
25	John B. Price.....	40	Mine manager.....	Marissa.....	1	1	2	3	Elevator machinery..
Dec. 2	Gustav Messenbach.....	25	Machine help.....	Belleville.....	..	..	1	..	Electric wire.....
13	Otto Kaulen.....	25	Mac. runner.....	Staunton.....	..	..	1	..	Cap piece.....
14	John Satorie.....	30	Miner.....	do.....	1	1	2	3	Falling clod.....
14	John Rickert.....	34	do.....	Belleville.....	1	1	4	5	Falling slate.....
16	John Slobski.....	30	do.....	O'Fallon.....	..	..	1	..	do.....
1908									
Feb. 4	George Eruseinc.....	28	do.....	Collinsville.....	1	1	1	2	do.....
May 13	Geo. Ehret.....	34	do.....	Belleville.....	1	1	2	3	Premature blast.....
13	Jos. Macke.....	35	do.....	do.....	1	1	2	3	Flying coal.....
15	Geo. Casper.....	27	do.....	Collinsville.....	..	..	1	..	Falling slate.....
15	Wm. Parish.....	40	do.....	Bethalto.....	1	1	5	5	Falling coal.....
June 24	P. D'Zeuslick.....	27	do.....	Staunton.....	1	1	1	2	Falling clod.....
24	Louis Wieseman.....	22	Driver.....	Marysville.....	..	..	1	..	Pit car.....
26	John Hammon, Jr.....	20	Miner.....	Millstadt.....	..	..	1	..	Falling coal.....
	Total—22.....				11	10	24	11	34

*Recapitulation of Fatal Casualties—Eighth District—1908.*

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Belleville.....	6	Driver.....	2	Cap piece.....	1	Clue & Miller Coal Co.....	1
Bethalto.....	1	Mach. helper...	3	Elevator machinery..	1	DeCamp Coal Co.....	3
Collinsville.....	3	Mach. runner...	1	Electric wire.....	1	Donk Bros.' Coal Co.....	1
Edwardsville.....	1	Mine manager...	1	Falling coal.....	5	Dimond Joe Coal Co.....	1
Freeburg.....	1	Miners.....	14	Falling slate.....	4	Henrietta Coal Co.....	1
Glen Carbon.....	1	Shot firer.....	1	Falling clod.....	4	Johnson Coal Co.....	1
				Flying coal.....	2		
Livingston.....	1			Pit cars.....	2	Laumaghi Coal Co.....	3
Marissa.....	2			Powder explosion....	1	Madison Coal Co.....	1
Maryville.....	1			Premature blast.....	1	Meyers, P. C. Co.....	1
Millstadt.....	1				1	Mo. & Ill. Coal Co.....	1
O'Fallon.....	1				1	New Staunton Coal Co.....	1
Staunton.....	3				4	St. L. & O'Fallon C. Co.....	4
					2	Southern Coal Co.....	2
					1	Weeks, T. M. Coal Co.....	1
Totals.....	22		22		22		22

## Non-Fatal Casualties—Eighth District—1908.

Date.	Name.	Age.	Residence. (Town.)	Married. Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1907								
July	1 Louis Herbert	27	Troy	1	1	2	Arm broken, falling slate.	70
	7 Frank Titler	26	Collinsville	1		1	Body bruised, kicked by mule.	36
	10 Louis Wechner	40	do.	1	1		Leg broken, falling slate.	90
	11 Robt. Dickhouse	44	Stanton	1		1	Ankle sprained, falling coal.	32
	17 Ruso Sutton	39	Sorento	1		1	Knee injured, pit car.	40
	22 Andrew Lovench	40	Collinsville	1	2	3	Body bruised, pit car.	40
	24 Jos. Fuchs	51	do.	1	6	7	Body bruised, falling coal.	*
	30 Carl Althardt	20	do.	1	1		Body bruised, kicked by mule.	40
Aug.	3 Geo. Vetter	24	Troy	1	2	3	Arm bruised, falling coal.	36
	3 Nick Paul	59	Collinsville	1	3	4	Foot bruised, falling slate.	30
	8 Arthur McCarrloo	45	Troy	1	1		Back injured, falling coal.	30
	9 Walter Hatfield	22	Collinsville	1		2	Body bruised, pit car.	51
	21 Joseph Boetts	19	O' Fallon	1	1		Leg injured, chain and box.	30
	23 Dave Compton	16	Stanton	1	1		Knee bruised, pit car.	70
	25 Peter Pamathe	47	Collinsville	1	3	4	Eye injured, flying coal.	90
	27 Alfred Cebulski	32	Belleville	1	1		Arm broken, falling coal.	65
	28 Harry Thompson	26	French Village	1	2	3	Back bruised, falling slate.	35
Sept.	3 John Vitala	38	Williamson	1		1	Arm bruised, pit car.	36
	3 Cormack Relieg	51	Edwardsville	1		1	Thumb cut off, pit car.	32
	7 Louis Davis	24	do.	1	1		Body bruised, pit car.	60
	9 Henry Harmonising	27	do.	1	3	4	Head bruised, falling clod	90
	10 J. Colona	23	Livingston	1			Eye injured, flying coal.	30
	10 Andrew Shuh	45	Belleville	1			Hip dislocated, falling slate.	40
	19 Matt Millis	40	Collinsville	1			Head bruised, falling clod	35
	23 Frank Malone	20	Belleville	1			Body bruised, kicked by mule.	40
	28 Albert Karvelot	18	Collinsville	1	1		Foot bruised, pit car.	50
	28 C. Devica	28	Livingston	1	2	3	Leg broken, flying coal.	30
	28 Fred Grafe	47	Maryville	1	7	8	Arm broken, falling board.	95
Oct.	9 Roy Evans	26	Tilden	1	2	3	Body scalded, bursting steam pipe.	51
	9 Jesse Hall	33	Belleville	1	4	5	Finger mashed, machine.	30
	10 George Kuvuse	22	Collinsville	1			Foot bruised, mule stepping on it.	70
	15 John Snadden	60	do.	1	6	7	Body bruised, falling slate.	60
	22 Sam Ballinger	23	Belleville	1	2	3	Hand broken, windlass.	32
	22 A. Crestfield	30	Livingston	1	3	4	Body bruised, mule.	*
	26 John Adamick	45	Glen Carbon	1	4	5	Knee dislocated, falling clod.	35
	26 James Sullivan	26	Belleville	1			Head injured, machine.	30
	26 Jas. Renno	26	do.	1	1		Leg broken, falling slate.	90
	28 Henry Fouke	17	do.	1	1		Foot dislocated, pit car.	40
	30 John Kunciter	19	Edwardsville	1			Back injured, falling coal.	*
Nov.	5 Andrew Bonda	23	Williamson	1			Body bruised, pit car.	35
	5 Geo Mynehardt	30	Marissa	1	3	4	Body bruised, falling from dump cart.	60
	9 John Katineck	29	E. St. Louis	1		1	Leg injured, falling clod	30
	11 C. Yackel	26	Livingston	1	1		Leg injured, pit car.	40
	13 Halbert Hirman	46	Stanton	1	4	5	Leg broken, falling coal.	75
	15 Wm. Jendrock	40	Edwardsville	1	5	6	Back broken, falling slate.	*
	15 John Fedrickgen	30	Stanton	1	1	2	Body bruised, falling clod	90
	15 Gus. Gohl	20	Belleville	1	1		Leg injured, pit car.	60
	18 Gus. Kelly	24	Belleville	1	1		Hip crushed, pit car.	*
	18 Frgnk Bokas	33	French Village	1			Body bruised, pit car.	51
	20 M. B. North	49	Glen Carbon	1			Arm injured, falling coal.	90
Dec.	4 Henry Gerfen	55	Troy	1	1	2	Ribs fractured, falling coal.	30
	11 Jos. Wyld	27	Worden	1	1	1	Ankle dislocated, falling coal.	60
	16 Chas. Matheros	45	Collinsville	1	2	3	Body bruised, pit car.	62
	16 Herman Kruse	28	New Athens	1	1		Body bruised, pit car.	48
	17 Wm. Gukik	35	Troy	1	1	1	Body bruised, falling slate.	54
	20 John May	28	Pocahontas	1			Body burnt, gas explosion	38
	20 Wm. Amling	19	French Village	1			Toe broken, falling rail.	32
	24 John Salosky	29	Livingston	1			Back and head injured, falling rock.	30
	28 Wm. Stenehamser	35	Marissa	1			Body bruised, falling slate.	40
1908	30 W. B. Nelson	25	Belleville	1	1	2	Knee sprained, pit car.	30
Jan.	6 R. Wireman	21	Collinsville	1	1		Arm fractured, pit car.	*
	7 Anton Georgia	46	Williamson	1	2	3	Body bruised, falling clod	42
	7 L. J. Briers	26	Livingston	1	1		Back injured, car and prop.	50

*Non-Fatal Casualties—Eighth District—Concluded.*

Date.	Name.	Age.	Residence. (Town.)	Married. Single.	Children. Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1908							
Jan.	7 C. Puttallz.....	30	Edgement.....	1	5	1 Hand bruised, falling coal.....	36
	8 R. Coalhouse.....	40	Collinsville.....	1	5	6 Foot injured, pit car.....	43
	10 Nick Tierch.....	36	Belleville.....	1	3	4 Body bruised, falling clod.....	35
	11 Jas. Barnes.....	23	E. St. Louis.....	1	1	1 Body injured, kicked by mule..	71
	13 Ed. Barnes.....	16	do.....	1	1	1 Leg bruised, pit car.....	47
	13 R. R. Haig.....	32	Collinsville.....	1	6	7 Head bruised, premature explosion	72
	13 Louis Ringerson.....	53	Belleville.....	1	2	3 Body bruised, falling slate.....	40
	15 John Trompot.....	21	Collinsville.....	1	1	1 Foot injured, pit car.....	60
	18 Jos. Spencer.....	24	Livingston.....	1	1	1 Foot bruised, pit car.....	40
	21 John Ditto.....	54	Worden.....	1	1	1 Ankle dislocated, falling coal..	50
Feb.	1 Jerry Carroll.....	70	Troy.....	1	1	1 Body injured, falling slate.....	30
	6 S. Sawchak.....	40	Livingston.....	1	3	4 Foot injured, falling slate.....	30
	7 Henry Dirkis.....	35	Belleville.....	1	3	4 Body bruised, falling slate.....	38
	8 E. Hellas.....	39	Maryville.....	1	6	7 Leg broken, falling slate.....	*
	10 Frank Zack.....	48	Edwardsville.....	1	6	7 Arm bruised, pit car.....	30
	12 Jacob Sinke.....	32	Freeburg.....	1	3	4 Body bruised, falling coal.....	40
	13 John Rownsky.....	42	Collinsville.....	1	1	1 Knee bruised, pit car.....	32
	17 A. Jubelt.....	40	Livingston.....	1	6	7 Head injured, flying coal.....	30
	17 J. Lockner.....	25	Livingston.....	1	1	1 Hand, broken, falling cross bar.	30
	21 Thos. Wood.....	30	Farmington.....	1	1	1 Shoulder broken, falling slate..	30
	22 Roy Kahn.....	21	Marissa.....	1	1	2 Leg broken, pit car.....	65
	25 Aug. Albright.....	33	Belleville.....	1	3	4 Leg broken, falling coal.....	90
	25 V. Herron.....	30	Troy.....	1	1	1 Leg bruised, pit car.....	40
Mar.	6 John Schock.....	23	Maryville.....	1	1	1 Foot bruised, falling coal.....	32
	7 C. Craven.....	21	Livingston.....	1	1	1 Hand broken, falling from box	30
	7 D. Moliner.....	38	Marysville.....	1	1	1 Body bruised, falling slate.....	30
	7 Joseph Blonquert.....	25	Collinsville.....	1	1	1 Hip dislocated, pit car.....	60
	10 Mike Pemmells.....	38	Marissa.....	1	2	3 Head injured, flying coal.....	55
	10 John Collins.....	23	Troy.....	1	1	1 Back injured, falling slate.....	30
	12 Andy Newjoke.....	18	Collinsville.....	1	1	1 Arm bruised, pit car.....	60
	13 Frank Hoepsh.....	40	Belleville.....	1	4	5 Leg broken, pit car.....	*
	13 Frank Staten.....	33	Collinsville.....	1	3	4 Body bruised, pit car.....	59
	24 Tony Neuschansky.....	30	Livingston.....	1	1	1 Body bruised, machine.....	30
	24 Chas. Vivian.....	28	Rentchler.....	1	3	4 Hip dislocated, pit car.....	*
	25 Joseph Lenk.....	31	Livingston.....	1	1	1 Ankle injured, falling slate.....	30
	25 Frank Meyer.....	47	Belleville.....	1	6	7 Back and shoulder bruised, falling slate.....	47
	28 H. G. Haywood.....	33	Collinsville.....	1	1	1 Leg bruised, falling coal.....	32
	28 Henry Huer.....	25	Belleville.....	1	1	1 Back injured, pit car.....	42
	30 Chas. Marchande.....	32	Collinsville.....	1	1	1 Body bruised, falling slate.....	40
May	12 Adam Gonig.....	28	Belleville.....	1	2	3 Body bruised falling rock.....	35
	13 John Dundock.....	50	Glen Carbon.....	1	1	1 Hip dislocated, falling off railroad car.....	*
	29 Jas. Gracomone.....	28	Collinsville.....	1	2	3 Finger injured, falling slate.....	30
	29 Nick Paul.....	60	do.....	1	3	4 Leg broken, descending cage.....	30
June	4 Chas. O. Malio.....	25	Livingston.....	1	1	2 Body bruised, falling coal.....	*
	4 Chas. Krautz.....	50	Belleville.....	1	1	1 Arm broken, pit car.....	*
	6 Frank Pedrockta.....	28	Livingston.....	1	1	2 Head injured, flying coal.....	*
	6 Richard Wiseman.....	21	Collinsville.....	1	1	1 Arm broken, pit car.....	60
	8 Walter Schmidt.....	40	Belleville.....	1	1	1 Head and hand injured, falling clod.....	*
	14 Jas. Gaunot.....	21	do.....	1	1	1 Leg broken, pit car.....	*
	16 John Gambel.....	45	do.....	1	3	4 Leg broken, falling slate.....	*
	16 Frank Maun.....	26	Collinsville.....	1	2	3 Body bruised, fell in sump.....	*
	Total.....			67	47	151	217

\*Not recovered July 1, 1908.

Total number of men injured.....	114
Number not recovered July 1, 1908.....	17
Number recovered July 1, 1908.....	97
Total time lost by men recovered, days.....	4,519
Average time lost by men recovered, days.....	46.59

## Recapitulation of Non-Fatal Casualties—Eighth District—1908.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Belleville	23	Cagers	5	Bursting steam pipe	1	Belleville & O'Fallon C. Co	1
Collinsville	25	Car pilers	3	Chain and box	1	Bessemer Washed Coal Co.	1
East St. Louis	3	Car trimmers	1	Descending cage	1	Bordens Coal Co.	1
Edgemont	1	Drivers	32	Falling board	1	Brookside Coal Co.	1
Edwardsville	6	Engineer	1	Falling clod	8	Consolidated Coal Co.	15
Farmington	1	Laborers	5	Falling coal	17	DeCamp Coal Co.	3
French Village	3	Loaders	6	Falling cross bar	1	Donk Bros. Coal Co.	16
Freeburg	1	Mach. helpers	1	Falling from box	1	Edwardsville Coal Co.	1
Glen Carbon	3	Mach. runners	1	Falling from cart	1	Glendale Coal Co.	2
Livingston	15	Miners	43	Falling in sump	1	Henrietta Coal Co.	1
Marissa	4	Motormen	2	Falling off car	1	Home Trade Coal Co.	1
Maryville	4	Shot firers	2	Falling rail	1	Illinois Collieries Co.	1
New Athens	1	Shovelers	3	Falling rock	2	International Coal Co.	1
O'Fallon	1	Timbermen	4	Falling slate	23	Johnson Coal Co.	2
Pocahontas	1	Trappers	2	Flying coal	6	Jones Bros. Coal Co.	2
Rentchler	1			Gas explosion	1	Kerns-Donnewald	2
Sorento	1			Machine	3	Kolb Coal Co.	1
Staunton	4			Mule	2	Lattmann, Wm. Coal Co.	7
Tilden	1			Mule, kicked by	4	Lumaghi Coal Co.	1
Troy	10			Pit cars	35	Madison Coal Corporation	6
Williamson	3			Powder explosion	1	Missouri & Illinois C. Co.	1
Worden	2			Railroad cars	1	Mt. Olive & Staunton	5
				Windlass	1	New Staunton Coal Co.	16
						Pocahontas Coal Co.	1
						Prairie Coal Co.	1
						Royal Coal Co.	2
						St. Louis & O'Fallon	19
						Southern Coal Co.	1
						Summitt Coal Co.	1
						Superior Coal Co.	1
Totals	114		114		114		114

*Recapitulation of Non-Fatal Casualties, Nature of Injuries, Conjugal Relations and Time Lost—Eighth District—1908.*

NATURE OF INJURIES.	Number.	Married.	Single.	Children.	Dependents.	TIME LOST—DAYS.		Percent- age of injuries.
						Total.	Average.	
Ankles dislocated.....	2	2	.....	.....	2	110	55.00	1.75
Ankles sprained.....	2	1	1	.....	1	62	31.00	1.75
Arms broken.....	6	2	4	.....	11	290	72.50	5.26
Arms bruised.....	5	3	2	.....	8	252	50.40	4.39
Backs broken.....	1	1	.....	.....	5	.....	.....	.88
Backs injured.....	7	2	5	.....	2	217	36.17	6.14
Backs and shoulders injured.....	1	1	.....	.....	6	47	47.00	.88
Bodies injured.....	33	24	9	50	73	1,378	47.52	28.95
Eyes injured.....	2	1	1	3	4	120	60.00	1.75
Feet injured.....	9	3	6	11	14	395	43.89	7.89
Fingers mashed.....	2	2	.....	.....	6	60	30.00	1.75
Hands broken.....	3	1	2	2	3	60	30.00	2.63
Hands bruised.....	2	2	.....	.....	1	66	33.00	1.75
Heads injured.....	6	5	1	18	23	282	56.40	5.26
Heads and hands injured.....	1	.....	1	.....	.....	.....	.....	.88
Hips crushed.....	1	.....	1	.....	.....	.....	.....	.88
Hips dislocated.....	4	1	3	3	4	100	50.00	3.51
Knees bruised.....	4	3	1	1	4	172	43.00	3.51
Knees dislocated.....	1	1	.....	.....	4	35	35.00	.88
Legs broken.....	11	7	4	23	30	470	67.14	9.65
Legs injured.....	7	3	4	.....	3	279	39.86	6.14
Ribs fractured.....	1	1	.....	1	2	30	30.00	.88
Shoulders broken.....	1	1	.....	.....	1	30	30.00	.88
Thumbs cut off.....	1	.....	1	.....	.....	32	32.00	.88
Toes broken.....	1	.....	1	.....	.....	32	32.00	.88
Totals.....	114	67	47	151	217	4,519	46.59	100.00

*Bond County—Eighth District—1908.*

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Pocahontas Mining Co.....	Pocahontas.....	24,000	31,161	55,161	
2	Illinois Collieries Co., 6.....	Sorento.....	1,072	25,419	46,229	
3	Mississippi Colliery Co.....	Smithsboro.....	2,128		2,128	
	Totals.....		3,200	49,419	50,899	
					103,518	

Mines reported for 1907, 2.

New mines, 1.

Mines in 1908, 3.



Bond County—Eighth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employés.	Total.		Killed.	Injured.				
49,129	48,835	6,326	156	52	26	78	41,371	.....	1	1,576	Both...	Pneu.	1
39,917	41,626	4,603	86	100	60	160	46,229	.....	1	2,145	B. S. ....	do..	2
2,500	763	1,365	69	9	3	12	2,128	.....	.....	106	do.....	do..	3
<b>91,546</b>	<b>91,224</b>	<b>12,294</b>	<b>156</b>	<b>161</b>	<b>89</b>	<b>250</b>	<b>89,728</b>	<b>.....</b>	<b>2</b>	<b>3,827</b>			

## Madison County—Eighth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	New Staunton Coal Co.	Livingston	102,951	219,961	207,247	530,159
2	Donk Bros. Coal & Coke Co., No. 1.	Donkville	27,866	174,770	237,977	440,613
3	Mt. Olive & Stannton Coal Co., No. 2.	Williamson	83,854	217,786	115,888	417,528
4	Donk Bros. Coal & Coke Co., No. 2.	Maryville	38,761	191,840	121,394	351,995
5	Mt. Olive & Staunton Coal Co., No. 1.	Staunton	16,361	200,997	107,896	325,254
6	Lumaghi Coal Co., No. 2.	Collinsville		129,460	123,881	253,341
7	Donk Bros Coal & Coke Co., No. 3.	Troy	11,564	128,628	101,082	241,274
8	Madison Coal Corporation, No. 4.	Glen Carbon	510	147,105	77,877	225,492
9	Madison Coal Corporation, No. 2.	do.		131,996	77,392	209,388
10	De Camp Coal Mining Co.	Staunton	14,129	93,532	57,097	164,758
11	Kerns-Donnewald Coal Co.	Worden	32,675	56,895	42,418	131,988
12	Lumaghi Coal Co., No. 3.	Collinsville	2,391	47,256	55,284	104,931
13	Interstate Coal & Mining Co.,	Staunton	8,102	25,547	16,640	50,289
14	Henrietta Coal Co.	Edwardsville	17,721	18,847	12,549	49,117
15	Brookside Coal Co.	Troy	2,603	16,084	11,581	30,268
16	Edwardsville Coal Co.	Edwardsville		20,688		20,688
	Totals.....		359,488	1,821,392	1,366,203	3,547,083
LOCAL MINES.						
1	Home Trade Coal Co.	Edwardsville	11,839			11,839
2	Abbey Coal Co.	Collinsville	9,348			9,348
3	Bullock Bros. Coal Co.	do.	5,189			5,189
4	Perry Meyers	Bethalto	2,020			2,020
5	Geo. Kable	Moro	1,622			1,622
6	Theo. Schuller	Prairie Town	1,215			1,215
7	W. T. Backs	Carpenter	1,040			1,040
8	Herbert Farrell	North Alton	865			865
9	Benj. Eccles	do.	812			812
10	John Spencer	Bethalto	750			750
11	Peter Sydell	North Alton	684			684
12	Jas. Hill	Fosterburg	581			581
13	E. H. Rink	do.	484			484
14	Sam McDonald	Moro	314			314
15	Fred Fredricks	Upper Alton	140			140
16	Illinois Hydraulic Press Brick	Collinsville	120			120
	Totals.....		37,023			37,023
	Totals—32 mines.....		396,511	1,821,392	1,366,203	3,584,106

Mines reported for 1907, 34.

New mines, 1.

Abandoned mines, 3.

Mines in 1908, 32.

Madison County—Eighth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes	Total.		Killed.	Injured.				
\$477,625	522,038	8,121	208	343	131	474		1	16	4,916	U. C.	Pneu.	1
348,084	428,811	11,802	244	250	108	358	440,071		8	18,153	Both.	Elec.	2
371,599	409,065	8,463	172	236	151	387		1	4	2,413	U. C.	Pneu.	3
295,675	341,812	10,183	189	240	184	424			4	4,801	do.	do.	4
296,794	311,138	14,116	200	179	118	297			1	1,695	do.	W.	5
202,672	250,124	3,217	152	220	140	360		2	7	2,220	do.	do.	6
249,718	232,546	8,728	192	240	121	361	241,274	1	4	7,668	S.	Pneu.	7
225,492	217,073	8,419	181	185	89	274	92,100		5	4,000	Both.	do.	8
209,388	195,987	13,401	178	150	90	240	30,189			2,107	do.	do.	9
148,281	158,152	6,606	217	140	50	190		3	3	1,345	U. C.	do.	10
128,028	123,608	8,880	202	122	53	175			2	1,226	do.	do.	11
83,944	101,560	3,371	144	82	57	139		1		1,060	do.	W.	12
46,000	47,201	3,088	223	63	42	105				621	do.	do.	13
39,297	32,340	16,777	210	40	28	68	21,171	1	1	1,019	Both.	Pneu.	14
30,268	21,669	8,599	181	30	22	52	30,268		1	1,015	S.	W.	15
20,000	4,000	16,688	200	12	8	20	20,688		1	827	do.	Pneu.	16
<b>\$3,172,870</b>	<b>3,397,124</b>	<b>149,959</b>	<b>193</b>	<b>2,532</b>	<b>1,392</b>	<b>3,924</b>	<b>875,761</b>	<b>10</b>	<b>57</b>	<b>55,086</b>			
\$14,125		11,839	254	17	3	20	11,839		1	500	Solid		1
12,359		9,348	270	12	4	16	9,348			310	do.		2
9,072		5,189	248	8	3	11	5,189			141	do.		3
3,030		2,020	280	6	1	7	2,020	1		25	do.		4
2,433		1,622	155	5	1	6	1,622			20	do.		5
2,595		1,215	205	3	1	4	1,215			28	do.		6
1,820		1,040	168	3	1	4	1,040			24	do.		7
1,730		865	78	4	1	5	865				U. C.		8
1,624		812	150	3	1	4	812				do.		9
1,312		750	175	5	1	6	750			8	Solid		10
1,197		684	190	3	1	4	684				U. C.		11
871		581	150	4	1	5	581			5	Solid		12
726		484	55	4	1	5	484			4	do.		13
471		314	69	3	1	4	314			4	do.		14
280		140	80	2	1	3	140				U. C.		15
120		120	1	4	2	e	120			4	Solid.	Pneu.	16
<b>\$53,766</b>		<b>37,023</b>	<b>158</b>	<b>86</b>	<b>24</b>	<b>110</b>	<b>37,023</b>	<b>1</b>	<b>1</b>	<b>1,073</b>			
<b>\$3,226,636</b>	<b>3,397,124</b>	<b>186,982</b>	<b>....</b>	<b>2,618</b>	<b>1,416</b>	<b>4,034</b>	<b>912,784</b>	<b>11</b>	<b>58</b>	<b>56,159</b>			

## St. Clair County—Eighth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Consolidated Coal Co., No. 17.....	Collinsville.....	131,855	178,257	130,554	440,666
2	St. Louis & O'Fallon Coal Co., No. 2.....	Belleville.....	120,565	182,310	75,534	378,409
3	St. Louis & O'Fallon Coal Co., No. 1.....	do.....	169,549	75,425	33,843	278,817
4	Prairie Coal Co.....	do.....	.....	167,660	94,310	261,970
5	Southern Coal & Mining Co., No. 8.....	do.....	51,012	116,008	66,716	233,736
6	Superior Coal & Mining Co.....	do.....	702	110,595	42,500	153,797
7	Joseph Taylor Coal Co., Taylor.....	O'Fallon.....	6,000	83,000	46,300	135,300
8	Joseph Taylor Coal Co., St. Ellans.....	do.....	6,000	75,000	50,500	131,500
9	Southern Coal & Mining Co., No. 7.....	Belleville.....	68,365	34,247	21,798	124,410
10	Joseph Taylor Coal Co., Ridge Prairie.....	O'Fallon.....	.....	76,600	42,100	118,700
11	Fullerton Coal Co.....	Belleville.....	43,210	36,590	15,836	95,996
12	Breese-Trenton Coal Co.....	Trenton.....	.....	49,255	39,744	88,999
13	Consolidated Coal Co., Green Mount.....	Collinsville.....	83,857	4,138	971	88,966
14	Suburban Coal & Mining Co.....	Belleville.....	14,747	58,873	15,149	88,769
15	Borders Coal Co., No. 1.....	Marissa.....	1,500	56,600	20,973	79,073
16	Royal Coal & Mining Co.....	Belleville.....	14,491	41,990	17,846	74,327
17	Kolb Coal Co., Mascoutah.....	Mascoutah.....	25,600	26,880	13,440	65,920
18	International Coal & Mining Co., Carbon.....	O'Fallon.....	6,192	38,904	20,810	65,906
19	Summitt Coal & Mining Co.....	Belleville.....	872	46,384	15,630	62,886
20	Mulberry Hill Coal Co.....	Freeburg.....	8,000	38,050	16,300	62,350
21	Borders Coal Co., No. 2.....	Marissa.....	3,000	40,994	15,500	59,494
22	Avery Coal & Mining Co.....	Freeburg.....	4,343	38,856	16,124	59,353
23	Kolb Coal Co., Vinegar Hill.....	Mascoutah.....	.....	39,510	19,760	59,270
24	Belleville & O'Fallon Coal Co.....	Belleville.....	2,865	35,834	18,589	57,288
25	Bessemer Washed Coal Co., White Oak.....	Marissa.....	.....	42,527	12,377	54,904
26	Southern Coal & Mining Co., No. 1.....	Belleville.....	19,405	22,989	9,508	51,902
27	Southern Coal & Mining Co., No. 3.....	do.....	3,717	32,388	13,326	49,431
28	Missouri & Illinois Coal Co., Wilderman.....	Wilderman.....	362	36,252	11,843	48,457
29	Vulcan Coal & Mining Co., No. 2.....	Belleville.....	.....	30,290	17,387	47,677
30	Culey Miller Coal Co., Ruby.....	Caseyville.....	20,600	16,522	7,776	44,898
31	Jones Bros. Coal Co., Eureka.....	Marissa.....	4,721	30,049	9,359	44,129
32	Kolb Coal Co., Fairbanks.....	Mascoutah.....	.....	32,402	10,801	43,203
33	Vulcan Coal & Mining Co., No. 1.....	Belleville.....	.....	17,304	25,268	42,572
34	Marissa Coal & Mining Co.....	Marissa.....	.....	.....	42,510	42,510
35	Beatty Coal Co.....	Mascoutah.....	3,450	23,760	12,390	39,600
36	Johnson Coal Co., O. K.....	Marissa.....	.....	28,683	9,561	38,244
37	Bessemer Washed Coal Co., Tirrie.....	Lenzburg.....	5,160	26,485	5,667	37,312
38	Johnson Coal Co., Sunlight.....	Freeburg.....	25,332	417	9,837	35,586
39	Missouri & Illinois Coal Co., St. Clair.....	do.....	1,978	26,316	6,749	35,043
40	Southern Coal & Mining Co., No. 5.....	Belleville.....	28,045	3,152	1,933	33,130
41	Glendale Coal & Mining Co.....	do.....	.....	20,870	10,593	31,463
42	White & Nesbit Coal Co.....	do.....	19,200	9,110	3,226	31,536
43	Southern Coal & Mining Co., No. 4.....	do.....	4,578	16,463	7,342	28,383
44	Pittsburg Coal & Mining Co.....	do.....	1,300	24,645	2,000	27,945
45	Highland Coal Co.....	do.....	.....	19,864	5,203	25,067
46	Kolb Coal Co., Valley Mine.....	Mascoutah.....	.....	15,512	7,756	23,268
47	Dewey Coal Co.....	Belleville.....	.....	16,220	6,502	22,722
48	T. M. Meeks Coal Co.....	Marissa.....	11,108	7,514	2,387	21,019
49	International Coal & Mining Co., Bennet	O'Fallon.....	.....	11,989	8,963	20,952
50	Missouri & Illinois Coal Co.....	Rentchler.....	3,411	12,761	4,424	20,596
51	Central Indiana Coal Mining Co.....	do.....	16,650	.....	3,928	20,578
52	Herman Phuhl.....	Richland.....	10,265	6,048	1,512	17,825
53	L. Senior.....	Belleville.....	6,900	3,800	1,483	12,183
54	Harmony Coal Co.....	do.....	2,338	6,019	3,796	12,153
55	Bessemer Washed Coal Co., Advance.....	Marissa.....	1,500	3,367	2,093	6,960
56	Murphy Coal Co.....	Belleville.....	3,062	.....	.....	3,062
Totals.....			955,807	2,196,068	1,128,337	4,280,212

St. Clair County—Eighth District—Continued.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
468,942	394,577	46,089	209	273	116	389			14	3,478	U. C.	Pneu.	1
340,568	369,697	8,712	195	260	121	381	13,990	2		3,895	Both	do.	2
250,935	275,761	3,056	147	325	104	429	278,817	2	19	11,460	Solid	do.	3
222,674	260,770	1,200	220	130	30	160	261,970			10,412	do.	do.	4
186,988	225,294	8,442	223	134	72	206		2	1	3,017	U. C.	do.	5
123,037	148,367	5,430	178	100	31	131			1	1,415	do.	do.	6
101,475	132,000	3,300	204	85	28	113	135,300			4,274	Solid	do.	7
98,625	125,000	6,500	157	110	37	147	3,050			1,457	Both	do.	8
99,528	120,052	4,358	176	105	41	146	54,841			2,932	do.	do.	9
89,025	115,000	3,700	195	90	34	124	118,700			3,937	Solid	do.	10
76,796	94,996	1,000	190	56	30	86	95,996			2,486	do.	W.	11
133,498	78,873	10,126	164	80	70	150				678	U. C.	Pneu.	12
83,819	85,673	3,293	245	37	36	73		2		719	do.	do.	13
65,000	85,969	2,800	207	74	23	97	88,769			3,000	Solid	W.	14
68,700	69,630	9,473	137	72	24	96	79,073	1		2,623	do.	do.	15
55,745	72,827	1,500	117	50	22	72	16,927			1,366	Both	Pneu.	16
55,000	33,920	32,000	133	75	26	101	65,920			2,200	Solid	W.	17
59,315	61,668	4,238	143	73	19	92	65,906	1		2,354	do.	do.	18
43,919	61,934	952	194	40	17	57	62,886			2,135	do.	do.	19
43,600	61,650	700	154	50	10	60	62,350			2,090	do.	do.	20
50,000	51,300	8,194	132	59	18	77				861	U. C.	do.	21
48,330	54,443	4,910	176	50	14	64	59,353			1,836	Solid	do.	22
44,525	56,270	3,000	187	43	10	53	59,270			2,000	do.	do.	23
51,560	55,083	2,208	185	40	9	49	57,288			1,900	do.	do.	24
49,413	53,449	1,355	150	60	21	81	54,904			1,839	do.	do.	25
41,521	50,172	1,735	125	72	48	120				475	U. C.	Pneu.	26
39,544	46,836	2,595	151	49	22	71				384	do.	do.	27
38,765	46,629	1,828	179	52	21	73	48,457	1		1,784	Solid	do.	28
40,525	44,923	2,754	163	50	20	70	47,677			1,853	do.	do.	29
34,438	43,933	965	210	37	13	50	44,898	1		1,122	do.	W.	30
33,095	38,445	5,684	170	34	14	48	44,129		2	1,780	do.	do.	31
34,562	40,203	3,000	203	30	7	37	43,203		1	1,263	do.	do.	32
36,186	24,503	18,069	172	40	16	56	42,572			1,244	do.	do.	33
34,000	39,617	2,893	128	49	20	69	42,510			1,254	do.	do.	34
35,000	37,620	1,980	189	35	6	41				384	U. C.	Elec.	35
30,595	37,000	1,244	185	45	17	62	38,244	1	1	1,138	Solid	W.	36
30,580	33,690	3,622	121	48	15	63	37,312			1,093	do.	do.	37
28,465	32,010	3,576	167	33	11	44	35,586		1	1,108	do.	do.	38
28,034	33,753	1,290	160	50	17	67	35,043			1,194	do.	Pneu.	39
21,504	28,746	4,384	175	26	13	39	33,130			1,039	do.	do.	40
28,318	25,590	5,873	126	42	17	59	1,935		2	331	Both	W.	41
28,202	21,702	9,834	203	20	6	26	31,536			1,053	Solid	do.	42
23,704	26,796	1,587	110	49	17	66				283	U. C.	Pneu.	43
22,561	17,335	10,610	169	25	9	34	27,945			798	Solid	do.	44
22,560	13,633	11,434	239	28	12	40	25,067			807	do.	W.	45
21,450	20,268	3,000	92	35	11	46	23,268			775	do.	do.	46
20,450	21,900	822	152	16	4	20				250	U. C.	do.	47
18,850	20,426	593	105	25	5	30	21,019		1	876	Solid	do.	48
23,047	14,381	6,571	141	20	16	36	20,952			650	do.	do.	49
16,476	19,557	1,039	77	60	15	75	20,596			705	do.	Pneu.	50
16,464	20,200	378	111	42	11	53	20,578		1	655	do.	W.	51
15,073	16,865	960	115	24	8	32	17,825			506	do.	do.	52
9,745	11,700	483	116	21	8	29	12,183			412	do.	do.	53
9,722	10,931	1,222	101	14	6	20	12,153			400	Solid	do.	54
5,568	3,979	2,981	64	16	4	20	6,960			243	do.	do.	55
2,500	3,062		244	2	1	3	3,062			100	do.	do.	56
<b>3,707,534</b>	<b>3,990,575</b>	<b>289,637</b>	<b>167</b>	<b>3,560</b>	<b>1,373</b>	<b>4,933</b>	<b>2,373,150</b>	<b>10</b>	<b>53</b>	<b>100,310</b>			

## St. Clair County—Eighth District—Concluded.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	Tower Grove Coal Co.	Belleville.	24,196			24,196
2	Wm. Lattman	do.	18,210			18,210
3	Frank Sargent	do.	15,800			15,800
4	Aug. Eble	do.	14,210			14,210
5	Bretz & Schilling	do.	13,750			13,750
6	Coöperative Coal Co.	New Athens.	10,659			10,659
7	Jas. Sliment & Son.	Centreville	5,962			5,962
8	Lebanon City Coal Co.	Lebanon	4,520			4,520
9	Wm. Pistor	Millstadt	4,318			4,318
10	John F. Beatty	Mascoutah	3,111			3,111
11	Jas. Taylor	Belleville	3,000			3,000
12	Hartman Bros.	Millstadt	2,880			2,880
13	Edgemont Coal Co.	French Village	2,744			2,744
14	Diamond Joe Coal Co.	Millstadt	2,724			2,724
15	Little Muddy Coal Co.	Marissa	1,880			1,880
16	Philip Dietrich	Freeburg	1,516			1,516
17	Drift Coal Co.	Caseyville	1,425			1,425
18	Arthur Johnson	Belleville	1,300			1,300
19	Thos McBride	Freeburg	850			850
20	Geo. Schmidt	Millstadt	200			200
21	Fred J. Ziska	Belleville	172			172
	Totals.....		133,427			133,427
	Totals—77 mines.....		1,089,234	2,196,068	1,128,337	4,413,639

Mines reported for 1907, 79.

New mines, 2.

Abandoned mines, 4

Mines in 1908, 77.

St. Clair County—Eighth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, whirr, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employé's.	Total.		Killed.	Injured.				
\$31,454		24,196	221	12	3	15	24,196			821			1
23,673		18,210	300	12	4	16	18,210		1	604			2
15,800		15,800	294	10	1	11	15,800			592			3
14,210		14,210	270	10	2	12	14,210			475			4
13,750		13,750	232	8	1	9	13,750			448			5
13,856		10,659	230	6	1	7	10,659			359			6
7,750		5,962	290	4	1	5	5,962			200			7
9,040		4,520	200	5	3	11	4,520			157			8
6,477		4,318	239	5	2	10	4,318			146			9
4,666		3,111	246	4	1	5	3,111			107			10
4,500		3,000	180	4	1	5	3,000			100			11
3,744		2,880	175	4	1	5	2,880			96			12
3,567		2,744	250	3	1	4	2,744			92			13
4,086		2,724	197	5	2	10	2,724	1		90			14
2,820		1,880	200	3	1	4	1,880			70			15
2,274		1,516	180	2	1	3	1,516			51			16
1,950		1,425	200	4		4	1,425			45			17
1,275		1,300	190	2	1	3	1,300			40			18
390		850	160	2	1	3	850			30			19
223		200	140	2	1	3	200			6			20
200		172	70	1		1	172			5			21
\$165,708		133,427	213	117	29	146	133,427	1	1	4,534			
\$3,873,242	3,990,565	423,074	167	3,677	1,402	5,079	2,506,577	11	54	104,844			

## Shipping Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Bond.....	3	3,200	49,419	10,672	2,240	34,739	3,248	103,518	\$0.844
Madison.....	16	359,488	1,821,392	189,525	86,162	949,541	140,975	3,547,083	0.897
St. Clair.....	56	955,807	2,196,068	60,409	188,862	714,797	164,269	4,280,212	0.889
Total.....	75	1,318,495	4,066,879	200,606	277,264	1,699,077	308,492	7,930,813	\$0.889

## Local Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Madison.....	16	37,023	.....	.....	.....	.....	.....	37,023	\$1.452
St. Clair.....	21	133,427	.....	.....	.....	.....	.....	133,427	1.242
Total.....	37	170,450	.....	.....	.....	.....	.....	170,450	\$1.288
Grand total.....	112	1,488,945	4,066,879	260,606	277,264	1,699,077	308,492	8,101,263	.....

Whole number of mines reported in 1907, 115.  
 Number of new mines opened during the year, 4.  
 Number of mines abandoned during the year, 7.  
 Whole number of mines reported for 1908, 112.



Counties—Eighth District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.					Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.			From solid—Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.							
91,224	12,294	156	161	58	5	26	250	89,728	3,827	48,357	.....	55,161
3,397,124	149,959	193	2,532	928	100	364	3,924	875,761	55,086	292,230	2,330,243	924,609
3,990,575	289,637	167	3,560	820	68	484	4,932	2,373,150	100,310	2,281,407	1,257,196	741,610
7,478,923	451,890	173	6,253	1,806	173	874	9,106	3,338,639	159,223	2,621,994	3,587,439	1,721,380

Counties—Eighth District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.					Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.			From solid—Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.							
.....	37,023	158	86	4	.....	20	110	37,023	1,073	35,334	1,689	.....
.....	133,427	213	117	.....	.....	29	146	133,427	4,534	133,427	.....	.....
.....	170,450	189	203	4	.....	49	256	170,450	5,607	168,761	1,689	.....
7,478,923	622,340	....	6,456	1,810	173	923	9,362	3,509,089	164,830	2,700,755	3,589,128	1,721,380

## NINTH INSPECTION DISTRICT—1908.

### THIRD ANNUAL REPORT.

Counties: Clinton, Franklin, Jefferson, Marion, Perry, Randolph, Washington, White.

W. S. BURRIS, *Inspector*, DuQuoin.

*Hon. David Ross, Secretary State Bureau of Labor Statistics, Springfield, Ill.:*

SIR—In compliance with the law of the State of Illinois, defining the duties of the State inspectors of mines, I have the honor to herewith submit the third annual report of the coal mines in the ninth inspection district for the year ending June 30, 1908.

The tabular statements in this report show the number of mines in operation and other items pertaining to the operation of the coal mines.

The following is a summary of the items contained in this annual report:

Number of mines	67
Number new mines	5
Number abandoned mines	5
Number of shipping mines	56
Local mines	11
Tons of mine run coal	1,829,020
Tons of lump	2,017,085
Tons of egg	512,018
Tons of nut	508,935
Tons of pea or screenings	1,140,528
Tons of slack or waste	286,015
Total tons of all grades	6,293,601
Tons loaded on cars for shipment	5,605,928
Tons supplied to locomotives	255,830
Tons sold to local trade	182,649
Tons consumed or wasted at mines	249,194
Average number of days of active operation, shipping mines	189
Tons mined by hand	3,832,140
Tons mined by machines	2,461,461
Number of mines using machines	19
Number of electric machines	91
Number of air machines	128
Number of machines in use	219
Number of miners	5,445
Number of employes underground	1,527
Number of boys	130
Number above ground	826
Total number of all employes	7,928
Number of kegs of powder for blasting	179,755
Number of kegs for other purposes	159
Number of fatal accidents	33
Number of non-fatal accidents	93
Number of wives made widows	21
Number of children left fatherless	53
Number of tons of coal for each fatal accident	190,715
Ratio of fatal accidents for each 1000 employes	4.2
Number of employes to each non-fatal accident	85
Number of tons to each non-fatal accident	66,248

The following table gives the output of each coal producing county in the district for the years 1907 and 1908, with the increase and decrease of each county:

COUNTIES.	TOTAL PRODUCTS, ALL GRADES OF COAL.		Increase.	Decrease.
	1907	1908		
Clinton.....	1,061,410	1,152,670	91,260	.....
Franklin.....	863,165	1,678,195	815,030	.....
Jefferson.....	10,060	25,045	14,985	.....
Marion.....	1,084,783	954,925	.....	129,858
Perry.....	1,743,922	1,610,411	.....	133,511
Randolph.....	742,894	777,327	34,433	.....
Washington.....	68,768	75,548	6,780	.....
White.....	7,243	19,480	12,237	.....
Totals.....	5,582,245	6,293,601	974,725	263,369
Net increase.....	.....	.....	711,356	.....

Franklin county shows the largest tonnage increase over last year, being 94.4 per cent. However Jefferson county shows the largest proportionate increase being 149 per cent. The counties of Marion and Perry show a decrease aggregating 263,369 tons. The net increase of output for the district is 711,356 tons or 12.7 per cent.

#### NEW MINES.

The Dering Coal Company has completed a new shaft two miles east and one mile north of West Frankfort in Franklin county; the mine is known as No. 18 Dering mine.

The shaft is over 500 feet deep and 10 by 14 feet in the clear. The coal seam is 10 feet thick and No. 6 of the geological section. The Company has installed a pair of first motion hoisting engines of Danville make 24 by 42 inches with 8 foot steel drum using 1¼ inch rope. The smoke stack is built of tile six by one hundred and twenty-five feet high. The boilers, four in number, are 150 horse power two Sullivan air compressors are in use about 1,400 pounds each. The tibble is steel constructed, resting on concrete pillars, with a four track shaker screen. The engine, boiler, blacksmith and supply houses are all built of brick. A Stevens 4 by 10 foot fan is placed for ventilating the mine. This mine will be opened up and worked on the panel system; the mine cars hold three tons; the mine track is a 42 inch gauge. This is one of the finest mines in Franklin county.

The mine of the Hart-Williams Coal Company is located 1¼ miles southeast of Benton; the shaft is 619 feet deep, 10 by 14 feet in the clear. The coal is a nine foot seam and No. 6 of the geological section. The Company has installed a pair of Aetna engines 24 by 46 inches, with an 8 foot drum using a 1¼ inch rope. The mine cars are of three tons capacity. The mine track is 42 inch gauge; a 150 K. W. generator, belt drive, hooked to a 16 by 24 inch McEwing engine; there are two 150 H. P. boilers. The coal is handled with the Bond self dumping cages. The tibble is constructed of steel with three tracks; a Capell ventilating fan 10 by 4 feet has been placed. This mine will be opened up on the pillar and room system for the present.

The White Ash Coal Company has completed sinking a mine, four miles south of DuQuoin, Perry county. The Company began sinking October 24, 1907, and completed the work November 21, 1907. This shaft is 85 feet to a coal seam 7 feet 4 inches thick. The seam is No. 6 of the geological section. The shaft is 9 by 4 feet in the clear, and timbered with 4 by 12 inch white oak timbers.

After the sinking of the shaft had been completed it was closed down, and has remained closed down up to the present time.

The Marion County Coal Company has sunk a shaft, three miles north of Centralia, the dimensions of this shaft are 10 by 14 feet, 600 feet deep; the thickness of the seam is 7 feet and is No. 6 of the geological section.

A pair of Danville engines 24 by 36 inches have been installed with an 8 foot drum and a  $1\frac{1}{4}$  inch rope. The engine room is 36 by 40 feet built of brick. The boiler room is 36 by 50 feet built of corrugated iron. There are two 150 horse power boilers. The tippie is built of wood with shaker screens; the mine cars are two ton capacity. The air shaft is down 230 feet at present time.

#### REOPENED MINES.

Adams Brothers, have reopened a small local mine at Willisville, Randolph county.

#### IMPROVEMENTS.

The Zeigler District Colliery Company has installed a new 150 K. W. dynamo; two 8 ton electric motors and one chain machine; also a 12 by 4 foot Stevens fan. The Company has built an elevator with a capacity of about 800 tons, placing it in a revolving screen, 6 by 16 feet.

The United Coal Company, Christopher, Franklin County, has put in two dynamos, one 100 K. W. and one 150 K. W. and have also installed two motors one 8 ton and one 10 ton; ten chain machines have been put in operation, 7 Morgan Gardner; 2 Goodman and 1 Jeffery which are now under cutting all of the coal; two 150 H. P. boilers have been also installed.

The Dering Coal Company has installed two motors at their No. 11 mine, West Frankfort.

The Franklin County Collieries Company, Sesser, has put in one Ingersoll Rand Compressor and 20 air punchers, also a small dynamo to furnish lights in the mine and buildings on top.

The Paradise Coal and Coke Company, DuQuoin, Perry county, has installed one K. W. dynamo, two 10 ton motors, two new 150 H. P. boilers, also one hundred new two ton mine cars.

The Majestic Coal and Coke Company, DuQuoin, Perry county, has installed three  $4\frac{1}{2}$  ton gasoline motors, also a small dynamo to furnish lights both in the mine and in the buildings on the surface.

The Willis Coal and Mining Company, Percy, Randolph County, has installed one 300 H. P. boiler.

#### PROSPECTIVE MINES.

At the present time a new mine is being sunk by Horn and Diamond at Smothersville, Franklin county, which will be about 650 feet deep.

A new mine is being sunk near Pinckneyville, Perry county.

The Centralia Coal Company is sinking a new mine south of Centralia, which will be one of the largest mines in Marion county.

#### ABANDONED MINES.

The Salem Coal Company has abandoned its mine at Salem, the Kinmudy Coal Company, Kinmudy, has also abandoned its mine; both of these mines are in Marion county.

## CHANGES OF NAMES.

The Bessemer Washed Coal Company was organized September 1, 1907, and took charge of the following mining properties in this district:

The Tilden Coal Company and the Crystal Coal Company at Tilden, Randolph county and the White Walnut Coal Company at Pinckneyville, Perry county.

The Coulterville Coal Company, Randolph county, has changed hands and is now known as the West Mine Coal Company.

The Perry County Coal Company's mine at DuQuoin, has changed its name and is now known as the Anchor Coal Company.

The Imperial Coal Company of Mt. Vernon, Jefferson county has changed hands and is now known as the Mt. Vernon Coal Company.

## FATAL ACCIDENTS.

The detailed particulars of the thirty-three fatal accidents, which have occurred in the district during the year follow:

July 8, 1907, Geo. Langworth, machine runner, aged 42 years, married, employed at the Moffat mine, Sparta, was killed by falling clod while running a machine. He leaves a widow and two children.

August 2, 1907, Joseph Mayberry, miner, aged 22 years, single, was killed in the Centralia Coal Company's mine No. 4. Deceased was driving a mule and going on an up grade; the tail chain it is supposed became unhooked. Mayberry being behind the car trying to hold it from running back to the face the car running over him.

September 3, 1907, Charles Moore, sinker, aged 24 years, single, employed at mine No. 18 of the Dering Coal Company, West Frankfort, Franklin county, was killed by falling 500 feet out of a hosting tub. The accident was caused by the rope slipping off of the drum.

September 7, 1907, four men were killed this date. There was a gas explosion in the Dering Coal Company's No. 11 mine, West Frankfort. The night shift was putting in a stopping to close off a body of gas and was working under the directions of a certified mine manager; the stopping was nearly completed, causing the gas to back up against the decreasing current of air; the gas was ignited by the lamp of one of the party, burning 22 men of whom the following four men died from the effect of the burns, all being Italians: Joe Caruso, miner, aged 21, single; Peter Gigole, miner, aged 18, single; Joe Perconi, miner, aged 36 years, married. He leaves a widow and four children; B. Trimcoeli, miner, aged 22 years, single. Eighteen others were burned more or less severely; all of whom except five left West Frankfort; I was therefore unable to secure their names and the time lost resulting from the burns endured.

September 10, 1907, Elmer Shinn, miner, aged 19 years, single, employed in the mine of the Odin Coal Company, Odin, was killed by falling top coal dying six hours after the accident.

September 14, 1907, Edward Pool, miner, aged 55 years, married employed in the mine of the Odin Coal Company, Odin, was killed by a shot exploding before he could get to a place of safety. He leaves a widow and four children.

September 20, 1907, William McFadden, driver, aged 28 years, employed at the Beckemeyer mine; owned by the Breese Trenton Mining Company, was killed instantly. Deceased had pulled up two cars of his trip, and went back after another; when he came back with the last car, he ran into the first two he had left on the hill and was crushed to death between two cars. He leaves a widow.

October 2, 1907, Haze Burnett, driver, aged 30 years, married, employed at the Brilliant Coal Company's mine, DuQuoin. Deceased was coming out of an entry with a trip one of the cars jumped the track on the curve; he was

riding on the seat, and in getting off made a misstep, the car caught his foot cutting it at the base of the little toe crushing the same. He died from blood poison October 2, 1907, and leaves a widow and two children.

October 22, 1907, Joseph Claybrook, miner, aged 63 years, married, employed at the Majestic Coal and Coke Company's mine, DuQuoin. Deceased was preparing a shot for the shot firers, and in some way caused an explosion, burning his face and bruising him with flying coal. He died about a week after the accident. He leaves a widow and three children.

November 11, 1907, William Lang, driver, aged 37 years, single, employed at the United Coal Company's mine, Christopher, while coming with a trip down a hill, whistling for another driver, he was seen to fall off of the tail chain in front of the loaded car and was rolled under it and dragged to the foot of the hill before the car was stopped. His leg was fastened to the mule tail chain which was hooked to the car.

November 15, 1907, John Keim, topman, aged 29 years, married, employed at the Jupiter Coal Mining Company's No. 1 mine, DuQuoin, entered a screened coal bin under a revolving screen, for the purpose of shoveling back some coal which had filled up until it was obstructing the working of the screen; in passing between the screen and the housing wall, he stumbled and fell or got in some position whereby his body was drawn in, crushing out his life. He leaves a widow and one child.

November 26, 1907, James H. Knos, miner, aged 38 years, married, employed in the Coulterville Mining Company's mine, Coulterville, was filling a quart cup with powder from a full keg; a spark fell from his lamp into the cup igniting the powder causing the keg to explode. He died two days later from the injuries, leaving a widow and two children.

November 27, 1907, Adam Mitchell, topman, aged 50 years, married, employed at the Breese-Trenton Mining Company's Buxton mine, Beckemeyer, was pinching cars down the south track and while doing so a string of loaded cars run on to him; instead of jumping to the side he jumped between the couplings and was crushed. He leaves a widow and one child.

December 7, 1907, Nicholas Ebinger, miner, aged 42 years, married, employed at the mine of the Paradise Coal and Coke Company, DuQuoin, was killed by falling top coal at the face of his room. He leaves a widow and six children.

December 7, 1907, Eli C. Stone, miner, aged 52 years, married, employed at the Paradise Coal and Coke Company's mine, DuQuoin, was killed by falling coal. Ebinger and Stone were taking down top coal and had knocked all the props down with the exception of one; while knocking out this last prop the coal gave way. A piece of coal about 24 feet square and three feet thick fell and buried both men underneath. They were taken out two and a half hours after the accident by a searching party. Stone leaves a widow and two grown daughters.

December 8, 1907, Edward Joiner, miner, aged 34 years, married, employed at the mine of the Franklin County Collieries Company, Sesser, was fatally injured. The miners were double shifting entry work and had four shots prepared, three in the face and one on the right hand rib, to shoot skip off. The four shots had been lighted, three with fuse and one with squib. Deceased and others had gone to the mouth of the entry and thinking that all the shots had been heard to explode returned to see what the shots had accomplished. When Joiner got opposite a skip shot, it exploded blowing him against the rib, breaking his leg and bruising him so badly that he died four days later. He leaves a widow and one child.

December 21, 1907, Leslie Knight, miner, aged 24 years, single, employed in the mine of the DuQuoin Operating Company, at Clinch. Deceased went into an adjoining room when some slate fell, fatally injuring him. He died from the injuries received, February 17, 1908.

January 6, 1908, Edward Stanhouse, miner and shot firer, aged 38 years, married, employed in mine No. 1 of the Jupiter Coal and Mining Company, DuQuoin. Deceased was firing shots with his brother, while in No. 12 south entry, after firing one of the shots, placed in the face of the entry, deceased

returned to the face, and was in the act of lighting a second shot, when there was a fall of slate which caught him, from which he sustained injuries resulting in his death the morning of January 8. He leaves a widow and seven children.

February 7, 1908, George Karkacinas, loader, aged 29 years, married, employed in the mine of the Zeigler Coal Company, Zeigler. Deceased while working off a piece of loose coal, it gave way and crushed him underneath. He leaves a widow and one child.

February 18, 1908, Hy. Roth, injured in the Centralia Coal Company's mine on December 18, 1907, and died two months later. He was working at the face of his room and a piece of loose rock fell on him.

February 26, 1908, John Charitino, miner, aged 22 years, single, employed in the mine of the Zeigler District Colliery Company, Christopher. Deceased with nine other men were being hoisted to the ground landing; when at a distance of about 90 feet from the bottom, Charitino apparently fell to the bottom of the cage; in some way his body caught on a bunting and he was pulled between the cage and side; the cage continued ascending when he fell to the bottom and was killed.

March 3, 1908, Anton Wehrle, miner, aged 50 years, married, employed at the mine of the Brilliant Coal and Coke Company, DuQuoin. Deceased was working at the face, under a loose piece of slate which he should have pulled down. However, while working off his shot, a piece of the slate 4 by 5 feet, two inches thick on one edge and four inches on the other, fell crushing him between the slate and the loose coal on which he was standing. He leaves a widow and two children.

March 10, 1908, Walter Schlebo, miner, aged 28 years, single, employed in the mine of the Tilden Coal Company, Tilden. Deceased was taking tamping out of a shot and thought he had it all out. His partner ran a churn drill into the hole when the shot exploded. The men were removing the tamping for the reason that the shot had failed to explode, when the squib was placed by the shot firers it was found that the hole had not been properly tamped. Schlebo was blown on top of a pit car, standing near, and fatally injured in the chest and abdomen.

March 11, 1908, Henry A. Taylor, miner and shot firer, aged 36 years, married, employed in the mine of the Centralia Coal Company, Centralia. Deceased was killed by a shot exploding while lighting it. The shot was located in the cross cut of a room. It is presumed that the squib was defective, or that he lit the squib too close to the powder. He leaves a widow and a step daughter.

March 11, 1908, Henry Kinse, Jr., driver, aged 20 years, single, employed in the mine of the Breese-Trenton Mining Company, Breese. He was pulling a loaded trip down a hill when suddenly the mule kicked him off of the seat causing him to fall under the cars; which passed over his body. He died four days after the accident.

March 28, 1908, Charles Condon, miner, aged 38 years, married, employed at the mine of the Willis Coal and Mining Company, Percy. Deceased was loading coal in a cross cut, when a piece of white top slate broke loose falling and crushing him. The slate was next to the last cross bar. The fall was caused by a slip running on the rib, which did not show until after the fall had occurred. He leaves a widow and six children.

April 29, 1908, Charles Chafinski, miner, aged 29 years, married, employed in the mine of the Zeigler Coal Company, Zeigler. He was drilling a hole in the face of a pillar; under overhanging loose coal on the rib. The loose coal gave way, falling on him and crushing his skull, causing instant death. He leaves a widow.

June 3, 1908, Eli Browning, shot firer, aged 42 years, married, employed at the mine of the Big Muddy and Carterville Mining Company, Pierce. Deceased had lighted a squib and thought the shot had exploded, when he returned to the hole to needle it, just as the shot exploded, the flying coal striking him in the head causing his death. He leaves a widow and five children.

June 6, 1908, Gus Strokus, miner, aged 26 years, single, employed at the mine of the Zeigler Coal Company, Zeigler, was standing under a part of the roof that had peeled off, looking at the roof and it was supposed he was about to prepare props to be placed in position, when the roof fell, burying him underneath and causing his death.

June 26, 1908, Clinton Boyer, car trimmer, aged 21 years, married, employed in the mine of the Franklin County Collieries Company, Sesser. Deceased was riding on a flat car and fell off on to the rails. The car passed over him cutting him in two. He leaves a widow.

The tables of the fatal and non-fatal accidents follow, also the statistical tables of the several counties.

Respectfully submitted,

W. S. BURRIS,

*State Inspector 9th District, DuQuoin.*



Fatal Casualties—Ninth District—1908.

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	Widows.	Children. Single.	Persons dependent.	Cause of Accident.
1907									
July 8	Geo. Langworth.....	42	Mac. runner.....	Sparta.....	1	1	2	3	Falling clod.....
Aug. 2	Jos. Mayberry.....	22	Miner.....	Centralia.....			1		Pit car.....
Sept. 3	Charles Moore.....	24	Sinker.....	W. Frankfort....			1		Fell out of tub down shaft.....
	7 Joe Caruso.....	21	Miner.....	do.....			1		Gas explosion.....
	7 Peter Gigole.....	18	do.....	do.....			1		do.....
	7 Joe Perconi.....	36	do.....	do.....	1	1	4	5	do.....
	7 B. Trimcoeli.....	22	do.....	do.....			1		do.....
	10 Elmer Shinn.....	19	do.....	Odin.....			1		Falling coal.....
	14 Edward Pool.....	55	do.....	do.....	1	1	4	5	Shot explosion.....
	20 Wm. McFadden.....	28	Driver.....	Beckemeyer.....	1	1	2	1	Pit car.....
Oct. 2	Haze Burnett.....	30	do.....	Duquoin.....	1	1	2	3	Pit car.....
	22 Joseph Claybrook....	63	Miner.....	do.....	1	1	3	4	Premature shot.....
Nov. 11	Wm. Lang.....	37	Driver.....	Christopher.....			1		Pit car.....
	15 John Keim.....	29	Laborer.....	Duquoin.....	1	1	1	2	Revolving screen.....
	26 Jas. H. Knox.....	38	Miner.....	Coulterville.....	1	1	2	3	Powder explosion.....
	27 Adam Mitchell.....	50	Laborer.....	Beckemeyer.....	1	1	1	2	Railroad car.....
Dec. 7	Nicholas Ebinger.....	42	Miner.....	Duquoin.....	1	1	6	7	Falling coal.....
	7 Eli C. Stone.....	52	do.....	do.....	1	1	2	1	Falling coal.....
	8 Edward Joiner.....	34	do.....	Sesser.....	1	1	1	2	Shot explosion.....
	21 Leslie Knight.....	34	do.....	Duquoin.....			1		Falling slate.....
1908									
Jan. 6	Edward Stanhouse....	38	Shot firer.....	Duquoin.....	1	1	7	8	Falling slate.....
Feb. 7	George Karkacinas....	29	Loader.....	Zeigler.....	1	1	1	2	Falling coal.....
	18 Hy Roth.....	35	Miner.....	Centralia.....	1	1	3	4	Falling slate.....
	26 John Charitino.....	22	Miner.....	Christopher.....			1		Fell from cage down shaft.....
Mar. 3	Anton Wehrle.....	50	do.....	Duquoin.....	1	1	2	3	Falling coal.....
	10 Walter Schlebo.....	28	do.....	Tilden.....			1		Drilling out shot.....
	11 Henry A. Taylor.....	36	Shot firer.....	Centralia.....	1	1	1	2	Shot explosion.....
	11 Henry Kulse.....	20	Driver.....	Breese.....			1		Pit car.....
	28 Charles Condon.....	38	Miner.....	Percy.....	1	1	6	7	Falling slate.....
Apr. 29	Charles Chafflinski....	29	do.....	Zeigler.....	1	1		1	Falling coal.....
June 3	Eli Browning.....	42	Shot firer.....	Pierce.....	1	1	5	6	Shot explosion.....
	6 Gus Strokus.....	26	Miner.....	Zeigler.....			1		Falling coal.....
	26 Clinton Boyer.....	21	Trimmer.....	Sesser.....	1	1		1	Railroad car.....
	Total—33.....				21	21	53	12	72

## Recapitulation of Fatal Casualties—Ninth District—1908.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Beckemeyer.....	2	Car trimmer.....	1	Drilling out shot.....	1	B. M. & Car M. Co.....	1
Breese.....	1	Drivers.....	4	Falling clod.....	1	Breese-Trenton Coal Co.....	3
		Laborers.....	2		1		
Centralia.....	2	Loader.....	1	Falling coal.....	7	Brilliant Coal Co.....	2
		Mach. runner.....	1				
Christopher.....	2	Miners.....	20	Falling slate.....	4	Centralia Coal Co.....	3
Coulterville.....	3	Shot firers.....	3	Fell from cage down shaft.....	1	Coulterville Mining Co.....	1
Duquoin.....	8	Sinker.....	1	Fell out of tub down shaft.....	1	Dering Coal Co.....	5
				Gas explosion.....	4	Duquoin Coal Co.....	1
Odin.....	2			Pit cars.....	5	Franklin County Coal Co.....	2
Percy.....	1			Powder explosion.....	1	Jupiter Coal Co.....	2
Pierce.....	1			Premature shot.....	1	Majestic Coal Co.....	1
Sesser.....	2			Railroad cars.....	2	Moffat Coal Co.....	1
Sparta.....	1			Rrvolving csreen.....	1	Odin Coal Co.....	2
Tilden.....	1			Shot explosion.....	4	Paradise Coal Co.....	2
W. Frankfort.....	5					Tilden Coal Co.....	1
Zeigler.....	3					United Coal Co.....	1
						Willis Coal Mining Co.....	1
						Zeigler Coal Co.....	3
						Zeigler District Coal Co.....	1
Totals.....	33		33		33		33

Non-Fatal Casualties—Ninth District—July 1, 1908.

Date.	Name.	Age.	Residence. (Town.)	Married.	Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1907									
July 9	Paul Sandridge	25	Zeigler	1	1			Arms fractured, falling coal	120
10	Oliver Walker	27	Benton	1		3	4	Skull fractured, falling coal	65
13	Andrew Gregons	18	Zeigler	1	1			Fingers cut off, motor	90
13	Peter Cruchetto		Royalton	1				Leg broken, falling slate	218
17	August Jansen	30	Breese	1		5	6	Leg broken, flying coal	90
18	Harry Love	30	Odin	1		1	2	Foot mashed, pit car	60
22	Perry Martin	17	W. Frankfort	1	1			Body burned, gas explosion	47
24	Henry Knox	37	Centralia	1	1			Hips bruised, mule ran away	60
Aug. 15	John Hulokamp	25	Trenton	1	1			Shoulder blade broken, pit car	71
17	Terry Taylor		W. Frankfort	1			1	Body burned, gas explosion	76
17	Terry Richards	40	do.	1	1			do.	30
22	Geo. Karton	37	Centralia	1	1			Back injured, falling slate	31
23	C. Mauika	18	Beckemeyer	1	1			Leg broken, pit car	120
Sept. 23	Elmer Thompson	40	W. Frankfort	1				Leg injured, rope slipped off drum	54
7	Salvadore Trombette	25	do.	1				Arms, face and body burned, gas explosion	40
7	Nick Caruso	25	do.	1				do.	40
7	Reek Caruso	21	do.	1		2	3	do.	40
7	Rock Vercallo	43	do.	1		2	3	do.	50
7	Roligo Quindotte	42	do.	1				do.	40
7	Leo Pollice	25	do.	1				do.	35
7	Steve Mariette	21	do.	1		2	3	do.	42
7	Rock Vercallo	43	do.	1		2	3	do.	52
7	Roligo Quindotte	42	do.	1				do.	40
7	Leo Pollice	24	do.	1				do.	30
7	Steve Mariette	26	do.	1				do.	40
7	Chas. O'Toole	45	do.	1	1			do.	40
7	Reek Caruso	40	do.	1				do.	40
7	Louis Marconi	20	do.	1				do.	41
7	Willis Johnson	40	Duquoin	1		4	5	Leg injured, falling slate	144
7	Jesse Galbraith	20	do.	1		1	2	Back injured, falling coal	70
7	Joe Rosa	42	W. Frankfort	1		4	5	Body burned, gas explosion	31
7	Joe Kelley	40	do.	1		5	6	do.	45
7	Joe Marr		do.	1		2	3	do.	30
7	George Virishi	42	do.	1		1	2	do.	90
7	Henry Keupper	50	do.	1		5	6	do.	78
11	A. O. Martin	23	Zeigler	1				Foot bruised, locomotive	120
12	John Arledge	26	Christopher	1				Face cut, kicked, by mule	30
14	Everet Summers	20	Benton	1			1	Leg broken, kicked by mule	54
14	John Hoh	29	Trenton	1				Toe mashed, falling casting	120
16	John Kuckza	30	Beckemeyer	1		2	3	Wrist broken, pit car	60
25	John Waller	18	Duquoin	1				Hand bruised, pit car	60
25	Elmer Thompson		W. Frankfort	1				Body burned, gas explosion	42
26	Celesti Oderize		New Baden	1				Leg broken, falling slate	40
Oct 8	Henry Herman	35	Benton	1			1	Foot broken, falling coal	180
11	Oscar Armes	46	Centralia	1			1	Back injured, falling coal	60
14	Joe Schromek, Jr.	16	Duquoin	1				Leg bruised, pit car	42
25	Herman Mein koth		New Baden	1				Back injured, falling slate	48
29	Adolph Boeltimer	73	Breese	1				Leg broken, falling slate	180
29	Joe Shaw	55	Duquoin	1		2	3	Foot and hip bruised, falling slate	*
Nov. 3	Robt. Ervin	22	Winkle	1		1	2	Finger cut, falling coal	39
11	Antoine Feldewerth	64	Breese	1		4	1	Hip injured, lifting car	30
12	Peter Cavallo	30	Benton	1				Head injured, safety catch	30
26	Milam Taft	33	Duquoin	1		4	5	Arm broken, flying coal	60
29	Wm. Cavins	24	do.	1				Collar bone broken, mule and rib	30
Dec. 3	Joseph B. Woods	56	do.	1		3	4	Thigh broken, falling slate	65
5	George Morris	27	Bush	1				Foot bruised, trap door	30
6	Earl Garner	21	W. Frankfort	1				Collar bone broken, pit car	50
15	Henry Dale	21	Christopher	1			1	Ankle dislocated, motor	70
16	James Stedd	22	Duquoin	1				Body and legs bruised, pit car	60
16	Antoine Cogna	35	Pinckneyville	1				Leg broken, falling slate	63
16	Christ Faust	42	do.	1		3	4	Hip dislocated, falling clod	65
18	Wm. Moore	30	Odin	1			1	Foot and hips injured, falling rail	35
21	Angello Mavello	37	Pinckneyville	1				Body injured, falling slate	72

## Non-Fatal Casualties—Ninth District—Concluded.

Date.	Name.	Age.	Residence. (Town.)	Married. Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1907								
Dec. 25	John Ferreri.....	35	W. Frankfort...	1	1		Fingers injured, pit car.....	41
29	Wm. Taff.....	45	Duquoin.....	1	4	5	Arm broken, shot blowing through pillar.....	70
31	Blaine Solimon.....	23	Breese.....	1			Foot injured, pit car.....	35
1908								
Jan. 7	Ben Brenning.....	36	..do.....	1	3	4	Leg broken, falling rock.....	120
16	Bruno Wankoski.....	18	Christopher.....	1			Face, hands and arms burned, powder explosion.....	120
16	Pela Liporseiz.....	..	W. Frankfort...	1		1	Leg bruised, falling coal.....	68
23	John Reese.....	32	Benton.....	1		1	Toes cut off, pit car.....	328
23	Henry Schulte.....	33	Breese.....	1	1	2	Hip injured, kicked by mule...	31
24	Geo. Kissler.....	..	..do.....	1		1	Arm broken, falling door.....	39
Feb. 3	Wm. Ginn.....	28	Pinckneyville..	1	1	2	Hips bruised, falling slate.....	*
3	I. N. Posten.....	30	..do.....	1	2	3	..do.....	*
22	Martin Newyark.....	..	New Baden.....	1			Eyes destroyed, burning fuse...	90
Mar. 3	Joseph Sul.....	20	Zeigler.....	1			Foot crushed, motor.....	90
4	John D. Zuelzinski.....	41	..do.....	1	1	2	Back and knee injured, falling state.....	93
4	Fred Wallheimer.....	34	Trenton.....	1	1	2	Back injured, falling clod.....	104
7	George Long.....	..	W. Frankfort...	1	4	5	Legs and hips crushed, top beam	67
12	John Clark.....	28	Christopher.....	1			Fingers mashed, pit car.....	42
19	Frank Bender.....	..	W. Frankfort...	1	6	7	Body burned, gas explosion.....	52
19	Sankey Francis.....	28	Duquoin.....	1			Leg broken, falling coal.....	92
23	Reed Adams.....	23	Zeigler.....	1			Arm broken, pit car.....	120
25	J. R. Trippet.....	..	W. Frankfort...	1			Body burned, gas explosion.....	47
25	W. J. Trippet.....	..	..do.....	1			..do.....	47
Apr. 15	Wilo Bosuich.....	23	Zeigler.....	1			Skull fractured, falling crank...	90
25	Paul Paulich.....	18	..do.....	1			Leg broken, pit car.....	*
May 1	Walter Helms.....	17	Odin.....	1			Foot injured, motor.....	60
14	Wm. Elam.....	25	Duquoin.....	1			Leg broken, falling coal.....	46
23	Gaul Magnola.....	20	Zeigler.....	1			Leg broken, trolley wire.....	*
26	Stephen Gallick.....	23	..do.....	1			Arm broken, pit car.....	*
25	Thomas Ricks.....	25	Centralia.....	1			Back injured, falling coal.....	36
27	Wm. Mays.....	50	Central City.....	1		1	Leg broken, falling coal.....	*
June 3	Hubert Muller.....	25	Breese.....	1	2	3	Body bruised, falling cage.....	*
3	Wm. Davis.....	28	..do.....	1			..do.....	*
5	H. Murphy.....	..	W. Frankfort...	1	1	2	Finger mashed, falling slate.....	*
10	Harry Oliver.....	18	Benton.....	1			Internally injured, ruptured, mule fell on him.....	*
	Total.....			46	47	80	115	

\*Not recovered July 1, 1908.

Total number of men injured.....	93
Not recovered July 1, 1908.....	12
Number recovered July 1, 1908.....	81
Time lost by men recovered, days.....	5,135
Average time lost by men recovered, days.....	63.40

Recapitulation of Non-Fatal Casualties—Ninth District—1908.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Beckemeyer.....	2	Blacksmith.....	1	Burning fuse.....	1	Avery C. & M. Co.....	1
Benton.....	6	Cager.....	1	Catch, safety.....	1	Benton Coal Co.....	4
Breese.....	8	Carpenter.....	1	Falling cage.....	2	Bessemer Washed C. Co.....	5
Bush.....	1	Drivers.....	18	Falling casting.....	1	B. M. Carterville C. Co.....	2
Central City.....	1	Foreman.....	1	Falling cloud.....	2	Breese-Trenton Coal Co.....	5
Centralia.....	4	Loader.....	1	Falling coal.....	11	Brilliant Coal Co.....	1
Christopher.....	4	Laborers.....	3	Falling crank.....	1	Centralia Coal Co.....	5
Duquoin.....	12	Mach. helpers.....	2	Falling door.....	1	Consolidated Coal Co.....	5
New Baden.....	3	Miners.....	40	Falling rail.....	1	Dering Coal Co.....	29
Odin.....	3	Oiler.....	1	Falling rock.....	1	Duquoin Coal Co.....	2
Pinckneyville.....	5	Shot frirs.....	3	Falling slate.....	14	Jupiter Mining Co.....	1
Royalton.....	1	Slate picker.....	1	Flying coal.....	2	Majestic Coal Co.....	4
Trenton.....	3	Timbermen.....	8	Gas explosion.....	22	New Moon Mining Co.....	1
W. Frankfort.....	29	Trackman.....	1	Kicked by mule.....	3	Odin Coal Co.....	3
Winkle.....	1	Trappers.....	3	Lifting car.....	1	Paradise Coal Co.....	3
Zeigler.....	10	Trip riders.....	7	Locomotive.....	1	Rend Coal Co.....	2
		Weighman.....	1	Motors.....	4	Southern Coal Co.....	3
				Mule and rib.....	1	Trenton Coal Co.....	3
				Mule, stepped on.....	1	United Coal Co.....	3
				Mule, ran away.....	1	Zeigler Coal Co.....	10
				Pit cars.....	15	Zeigler District Coal Co.....	1
				Powder explosion.....	1		
				Shot blown thro. rib.....	1		
				Slipping rope.....	1		
				Top team.....	1		
				Trap door.....	1		
				Trolley wire.....	1		
Totals.....	93		93		93		93

Recapitulation of Non-Fatal Casualties, Nature of Injuries, Conjugal Relations and Time Lost—Ninth District—July 1, 1908.

NATURE OF INJURIES.	Number.	Married.	Single.	Children.	Dependents.	TIME LOST—DAYS.		Percentage of injuries.
						Total.	Average.	
Ankles dislocated.....	1	1			1	70	70.00	1.08
Arms broken.....	6	2	4	8	10	409	81.80	6.45
Arms, face and body burned.....	10	6	4	4	6	399	39.90	10.75
Backs and knees injured.....	1	1		1	2	93	93.00	1.08
Backs injured.....	6	3	3	2	5	319	53.17	6.45
Body and legs injured.....	1		1			60	60.00	1.08
Bodies injured.....	4	1	3	2	3	102	51.00	4.30
Bodies burned.....	12	8	4	23	30	769	64.08	12.90
Collar bones broken.....	2	1	1		1	80	40.00	2.15
Eyes destroyed.....	1		1					1.08
Faces cut.....	1	1				30	30.00	1.08
Feet and hips injured.....	2	2		2	4	35	35.00	2.15
Feet injured.....	7	2	5	1	3	380	54.29	7.53
Fingers cut off.....	2	1	1	1	2	129	64.50	2.15
Fingers injured.....	2	1	1	1	2	41	41.00	2.15
Hands bruised.....	1		1			30	30.00	1.08
Heads injured.....	3	2	1	3	4	185	61.67	3.23
Hips dislocated.....	1	1		3	4	65	65.00	1.08
Hips injured.....	5	4	1	8	8	121	40.33	5.38
Internally injured.....	1		1					1.08
Legs and hips crushed.....	1	1		4	5	67	.67	1.07
Legs broken.....	13	3	10	8	12	1,139	113.90	13.98
Legs injured.....	4	3	1	4	6	204	51.00	4.30
Shoulders and fingers injured.....	1		1			42	42.00	1.07
Shoulder blade broken.....	1		1			71	71.00	1.07
Thigh broken.....	1	1		3	4	65	65.00	1.07
Toes cut off.....	1		1			32	32.00	1.07
Toes injured.....	1		1			78	78.00	1.07
Wrists broken.....	1	1		2	3	120	120.00	1.07
Totals.....	93	46	47	80	115	5,135	63.40	100.00

## Clinton County—Ninth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Southern Coal Co., No. 9.....	New Baden.....	146,468	90,900	96,544	333,912
2	Breese-Trenton Mining Co., No. 1.....	Breese.....	5,717	117,904	114,625	238,246
3	Breese-Trenton Mining Co., Buxton.....	Beckemeyer.....	4,588	133,970	52,936	191,494
4	Coöperative Coal & Mining Co., No. 1.....	Breese.....		88,500	88,305	176,805
5	Trenton Mining Co., No. 1.....	Trenton.....		78,670	48,699	127,369
6	Consolidated Coal Co., Breese.....	Breese.....	48,859	5,774	3,609	58,242
7	Southern Coal Co., No. 10.....	Germantown.....		14,906	11,696	26,602
Totals.....			205,632	530,624	416,414	1,152,670

Mines reported for 1907, 7.  
Mines in 1908, 7.

## Franklin County—Ninth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Zeigler Coal Co., No. 1.....	Zeigler.....	27,700	74,244	420,778	522,722
2	Dering Coal Co., No. 11.....	W. Frankfort.....	130,918	50,001	70,481	251,400
3	Benton Coal Co., No. 1.....	Benton.....	19,958	65,695	116,397	202,050
4	United Coal Co., No. 1.....	Christopher.....	6,713	60,356	108,044	175,113
5	Zeigler District Colliery Co., No. 1.....	do.....	7,340	34,317	114,853	156,510
6	W. P. Rend Colliery Co., No. 1.....	Benton.....	1,629	24,479	87,723	113,831
7	Franklin County Colliery Co., No. 1.....	Sesser.....	20,727	23,974	66,831	111,532
8	Big Muddy-Carterville Mining Co., No. 1.....	Pierce.....	22,751	9,154	24,918	56,823
9	Hart-Williams Coal Co., No. 1.....	Benton.....	7,075	15,072	27,767	49,914
10	Dering Coal Co., No. 18.....	W. Frankfort.....	38,300			38,300
Totals.....			283,111	357,292	1,037,792	1,678,195

Mines reported for 1907, 8.  
New mines, 2.  
Mines in 1908, 10.

Clinton County—Ninth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$333,912	315,124	18,788	210	275	140	415	.....						
238,246	176,191	62,055	243	160	54	214	238,246	1	3	3,302	U. C. . . .	Pneu. . . .	1
191,494	186,250	5,244	199	180	55	235	191,494	2	3	7,831	Solid. . . .	W. . . . .	2
159,124	169,305	7,500	227	125	37	162	176,805	.....	2	6,196	do. . . . .	do. . . . .	3
135,136	112,660	14,709	165	145	108	253	.....	.....	3	10,000	do. . . . .	Pneu. . . .	4
54,646	53,777	4,465	108	101	50	151	58,242	.....	3	1,011	U. C. . . .	do. . . . .	5
26,602	20,572	6,030	153	36	22	58	481	.....	5	1,900	Solid. . . .	do. . . . .	6
									.....	251	Both. . . .	W. . . . .	7
\$1,139,160	1,033,879	118,791	186	1,022	466	1,488	665,268	3	16	30,491			

Franklin County—Ninth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$470,450	498,422	24,300	272	301	261	562	.....						
251,400	239,075	12,325	239	134	92	226	201,120	4	10	13,875	U. C. . . .	Pneu. . . .	1
222,255	187,406	14,644	191	138	103	241	63,424	.....	25	9,573	Both. . . .	do. . . . .	2
175,113	163,630	11,483	224	107	49	156	39,576	1	4	4,209	do. . . . .	do. . . . .	3
164,332	151,761	4,749	223	117	48	165	156,510	1	3	3,351	do. . . . .	do. . . . .	4
113,831	106,442	7,389	241	102	90	192	.....	.....	1	6,782	Solid. . . .	do. . . . .	5
111,532	103,932	7,600	240	100	34	134	56,721	2	2	1,265	U. C. . . .	do. . . . .	6
48,165	55,023	1,800	188	85	27	112	56,823	.....	2	1,346	Both. . . .	do. . . . .	7
44,923	45,459	4,455	233	42	48	90	.....	.....	2	1,780	Solid. . . .	do. . . . .	8
38,300	34,850	3,450	140	24	16	40	.....	.....	1	951	U. C. . . .	do. . . . .	9
								.....	4	1,250	do. . . . .	do. . . . .	10
\$1,640,301	1,586,000	92,195	219	1,150	768	1,918	574,174	13	51	44,412			

## Jefferson County—Ninth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	David Orr Coal Co., No. 1.....	Mt Vernon.....	25,000	.....	.....	25,000
2	Sophia A. Shelton.....	Opdyke.....	45	.....	.....	45
	Totals.....	.....	25,045	.....	.....	25,045

Mines reported for 1907, 2.  
Mines in 1908, 2.

## Marion County—Ninth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Centralia Coal Co., No. 2.....	Centralia.....	15,242	107,612	165,899	288,753
2	Centralia Coal Co., No. 4.....	do.....	13,337	94,162	145,160	252,659
3	Centralia Coal Co., No. 3.....	do.....	9,526	67,258	103,687	180,471
4	Odin Coal Co., No. 1.....	Odin.....	.....	136,289	54,353	190,642
5	Middleton & Seidel, No. 2.....	Sandoval.....	42,400	.....	.....	42,400
	Totals.....	.....	80,505	405,321	469,099	954,025

Mines reported for 1907, 6.  
Abandoned mines, 1.  
Mines in 1908, 5.



*Jefferson County—Ninth District—Concluded.*

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$37,500	.....	25,000	247	35	12	47	25,000	.....	600	Solid...	W....	1	
103	.....		20	2	.....	3	45	.....				2	
\$37,603	.....	25,000	134	37	12	50	25,045	.....	600				

*Marion County—Ninth District—Concluded.*

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$288,753	145,312	143,441	239	228	104	332	288,753	1	2	10,080	Solid...	Pneu.	1
252,659	242,290	10,369	239	199	90	289	252,659	1	2	8,819	..do....	..do....	2
180,471	146,034	34,437	239	143	64	207	180,471	1	1	6,299	..do....	W....	3
188,559	178,352	12,290	245	184	72	256	36,419	2	3	1,490	Both...	..do....	4
37,000	40,360	2,040	119	70	25	95	42,400	.....	.....	1,842	Solid...	Pneu.	5
\$947,442	752,348	202,577	216	824	355	1,179	800,702	5	8	28,530			

## Perry County—Ninth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Majestic Coal Co., No. 1	Clinch	245,513			245,513
2	Paradise Coal & Coke Co., No. 1	Duquoin	50,000	50,000	100,000	200,000
3	Willis Coal & Mining Co., No. 1	Willisville	166,070			166,070
4	Duquoin Operating Co., Queen	Clinch		55,433	95,993	151,426
5	Bessemer Washed Coal Co., White Wal.	Pinckneyville	17,500	54,440	61,385	133,325
6	Missouri & Illinois Coal Co., No. 1	Willisville	100,929			100,929
7	Brilliant Coal & Coke Co.	Duquoin		37,806	56,709	94,515
8	Miller-Horn Coal Co., No. 3	do	76,991			76,991
9	Imperial Coal Co., No. 2	do	4,000	38,477	16,247	58,724
10	St. Louis Coulterville Coal Co., Vulcan	Coulterville	2,309	38,000	14,486	54,855
11	Johnson-Allen Coal Co., Bernard	Cutler	40,255	10,064	3,354	53,673
12	Avery Coal & Mining Co., Bald Eagle	Winkle	888	35,089	16,726	52,703
13	Jupiter Coal & Mining Co., No. 1	Duquoin		26,000	26,438	52,438
14	Tamaroa & Little Muddy Coal Co.	Tamaroa		27,962	9,321	37,283
15	Jupiter Coal & Mining Co., No. 5	Duquoin		16,000	11,917	27,917
16	Bailey Bros., No. 3	Sunfield		21,781	4,535	26,316
17	New Moon Mining Co., New Moon	Duquoin		9,458	14,089	23,547
18	Diamond Fuel Co., Diamond	do	19,718			19,718
19	Anchor Coal & Mining Co., Perr C. M.	do	1,000	9,831	3,000	13,831
20	Strait Coal Co., Strait mine	Pinckneyville	8,000	2,450	1,040	11,490
21	Wilson Coal Co.	Cutler	861	2,664	336	3,861
Totals.....			734,094	435,455	435,576	1,605,125
LOCAL MINES.						
1	John G. Schneider	Pinckneyville		1,700	828	2,528
2	John Anderson	do		1,258	300	1,558
3	Hensen & Hensen	do		600	100	700
4	Charles Presswood	Duquoin		400	100	500
Totals.....				3,958	1,328	5,286
Totals—25 mines.....			734,094	439,413	436,904	1,610,411

Mines reported for 1907, 27.  
 New mines, 1.  
 Abandoned mines, 3.  
 Mines in 1908, 25.

*Perry County—Ninth District—Concluded.*

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hands.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employé's.	Total.		Injured.	Killed.				
\$184,134	238,000	7,513	168	280	65	345	245,513	1	4	9,095	Solid	Pneu.	1
140,000	163,000	37,000	175	150	65	215	200,000	2	3	6,000	..do.	..do.	2
167,730	163,023	3,047	182	148	77	225	4,682			2,485	Both	..do.	3
121,140	144,476	6,950	170	150	60	210	151,426	1	2	4,282	Solid	..do.	4
133,325	112,323	21,002	228	105	36	141	133,325		5	4,556	..do.	..do.	5
92,854	99,190	1,739	154	81	33	114				1,038	U. C.	..do.	6
91,679	89,314	5,201	198	92	27	119	94,515	2	1	3,175	Solid	W.	7
67,000	73,701	3,290	207	76	26	102	76,991			2,790	..do.	..do.	8
46,975	56,469	2,255	206	45	17	62	58,724			900	..do.	Pneu.	9
46,826	52,193	2,662	149	65	20	85	54,855			2,049	..do.	W.	10
50,000	42,933	10,740	171	53	14	67	53,673			1,600	..do.	..do.	11
40,651	48,320	4,383	196	50	33	83	17,057		1	1,121	Both	Pneu.	12
62,400	48,838	3,600	195	60	25	85	52,438	2	1	1,700	Solid	..do.	13
37,283	34,583	2,700	117	70	18	88	37,283			1,612	..do.	W.	14
28,937	25,417	2,500	195	18	13	31	1,910			697	Both	Pneu.	15
24,000	24,669	1,647	200	40	11	51	26,316			919	Solid	W.	16
23,547	17,760	5,787	235	25	8	33	23,547		1	789	..do.	Pipe	17
17,746	17,718	2,000	180	41	13	54	19,718			963	..do.	W.	18
12,447	12,431	1,400	156	20	10	30	13,831			976	..do.	..do.	19
11,490	9,990	1,500	160	15	6	21	11,490			370	..do.	..do.	20
3,313	2,819	1,042	140	5	2	7	3,861			149	..do.	..do.	21
<b>\$1,403,477</b>	<b>1,477,167</b>	<b>127,958</b>	<b>180</b>	<b>1,589</b>	<b>579</b>	<b>2,168</b>	<b>1,231,155</b>	<b>8</b>	<b>18</b>	<b>47,266</b>			
\$2,528	.....	2,528	195	5	1	6	2,528	.....	.....	71	Solid	.....	1
1,558	.....	1,558	150	2	1	3	1,558	.....	.....	82	..do.	.....	2
700	.....	700	125	2	1	3	700	.....	.....	25	..do.	.....	3
500	.....	500	110	1	1	2	500	.....	.....	20	..do.	.....	4
<b>\$5,286</b>	<b>.....</b>	<b>5,286</b>	<b>145</b>	<b>10</b>	<b>4</b>	<b>14</b>	<b>5,286</b>	<b>.....</b>	<b>.....</b>	<b>198</b>			
<b>\$1,408,763</b>	<b>1,477,167</b>	<b>133,244</b>	<b>.....</b>	<b>1,599</b>	<b>583</b>	<b>2,182</b>	<b>1,286,441</b>	<b>8</b>	<b>18</b>	<b>47,464</b>			

## Randolph County—Ninth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Willis Coal & Mining Co., No. 6	Percy	192,864	13,002	10,835	216,701
2	Moffat Coal Co., No. 1	Sparta	35,000	62,579	9,000	106,579
3	Bessemer Washed Coal Co., Crystal	Tilden	75,000	8,982	10,136	94,118
4	Illinois Fuel Co., No. 4	Sparta	35,447	31,473	1,645	68,565
5	Boyd Coal & Coke Co., No. 1	do.	48,000	6,000	3,600	57,600
6	Wilson Bros. Coal Co., Eden mine	do.	40,024	10,947	1,564	52,535
7	Jones Bros. Coal & Mining Co., Eureka 2	Tilden	5,570	30,109	12,130	47,809
8	Bessemer Washed Coal Co., Tilden mine	Tilden		32,176	10,726	42,902
9	Coulterville Mining Co., No. 1	Coulterville	15,432	20,644	2,913	38,989
10	West Mine Coal Co., Consol mine	do.		23,337	7,600	30,937
	Totals		447,337	239,249	70,149	756,735
LOCAL MINES.						
1	C. J. Boyle & Sons	Sparta	12,260			12,260
2	Bixby's Coal Co.	do.		2,500		2,500
3	C. P. Fellers Mine	do.		2,131		2,131
4	Adam Bros. Coal Co.	Willisville	1,948			1,948
5	H. M. Welshans	Sparta		1,503	250	1,753
	Totals		14,208	6,134	250	20,592
	Totals—15 mines		461,545	245,383	70,399	777,327

Mines reported for 1907, 13.

New mines, 2.

Mines in 1908, 15.

Randolph County—Ninth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employés.	Total.		Killed.	Injured.				
\$217,784	212,156	4,545	236	156	58	214	.....	1	4,425	U. C. ....	Pneu.	1	
95,921	95,903	7,676	226	70	23	93	.....	1	1,607	..do....	..do..	2	
94,118	85,895	8,223	156	70	27	97	94,118	.....	5,085	Solid....	W....	3	
61,708	64,952	3,613	227	53	22	75	.....	.....	1,069	U. C. ....	..do..	4	
57,600	53,000	4,600	168	80	25	105	57,600	.....	2,300	Solid....	..do..	5	
44,000	50,825	1,710	140	62	16	78	52,535	.....	2,751	..do....	Pneu.	6	
35,856	46,668	1,141	130	52	12	64	47,809	.....	1,886	..do....	W....	7	
40,000	40,600	2,302	106	50	19	69	42,902	1	2,108	..do....	..do..	8	
37,748	34,414	4,575	148	50	24	74	38,989	1	1,845	..do....	..do..	9	
24,749	28,873	2,064	172	38	13	51	30,937	.....	1,650	..do....	..do..	10	
\$709,484	716,286	40,449	171	681	239	920	364,890	4	24,726				
\$12,260	.....	12,260	240	5	1	6	12,260	.....	200	.....	.....	1	
2,500	.....	2,500	135	5	2	7	2,500	.....	127	.....	.....	2	
2,131	.....	2,131	200	5	1	6	2,131	.....	115	.....	.....	3	
1,948	.....	1,948	150	5	1	6	1,948	.....	120	.....	.....	4	
1,753	.....	1,753	240	3	1	4	1,753	.....	76	.....	.....	5	
\$20,592	.....	20,592	193	23	6	29	20,592	.....	638				
\$730,076	716,286	61,041	....	704	245	949	385,482	4	25,364				

## Washington County—Ninth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Nicholson Coal Co., No. 1.....	Nashville.....	19,608	9,500	9,500	38,608
2	Kuhn Colliery Co., No. 1.....	DuBois.....		29,552	7,388	36,940
	Totals.....		19,608	39,052	16,888	75,548

Mines reported for 1907, 2.  
Mines in 1908, 2.

## White County—Ninth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Norris City Coal Co., No. 1.....	Norris City.....	19,480			19,480

Mines reported for 1907, 1.  
Mines in 1908, 1.

Washington County—Ninth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$38,608	400	38,208	186	41	14	55	38,608	.....	.....	1,000	Solid...	W....	1
31,400	31,940	5,000	143	52	19	71	36,940	.....	.....	855	do....	do..	2
\$70,008	32,340	43,208	165	93	33	126	75,548	.....	.....	1,855			

White County—Ninth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$19,480	7,908	11,572	186	16	20	36	19,480	.....	.....	1,039	Solid...	W....	1

## Shipping Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Clinton.....	7	205,632	530,624	60,751	78,978	148,671	128,014	1,152,670	\$0.988
Franklin.....	10	283,111	357,292	236,651	287,986	495,068	18,087	1,678,195	0.977
Marion.....	5	80,505	405,321	109,602	56,371	197,787	105,339	954,925	0.992
Perry.....	21	734,094	435,455	97,213	79,463	238,407	20,493	1,605,125	0.874
Randolph.....	10	447,337	239,249	3,051	5,272	48,244	13,582	756,735	0.938
Washington.....	2	19,608	39,052	4,750	.....	12,138	.....	75,548	0.927
White.....	1	19,480	.....	.....	.....	.....	.....	19,480	1.00
Total.....	56	1,789,767	2,006,993	512,018	508,070	1,140,315	285,515	6,242,678	\$0.95

## Local Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Jefferson.....	2	25,045	.....	.....	.....	.....	.....	25,045	\$1.501
Perry.....	4	.....	3,958	.....	615	213	500	5,286	1.00
Randolph.....	5	14,208	6,134	.....	250	.....	.....	20,592	1.00
Total.....	11	39,253	10,092	.....	865	213	500	50,923	\$1.247
Grand total.....	67	1,829,020	2,017,085	512,018	508,935	1,140,528	286,015	6,293,601	.....

Whole number of mines reported in 1907, 67.  
 New mines opened during the year, 5.  
 Number of mines abandoned during the year, 5.  
 Whole number of mines reported for 1908, 67.



Counties—Ninth District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.					Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.			From solid—Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.							
1,033,879	118,791	186	1,022	288	29	149	1,488	665,268	30,491	664,787	461,281	26,602
1,586,000	92,195	219	1,150	474	29	265	1,918	514,174	44,412	213,333	724,767	740,095
752,348	202,577	216	824	232	34	89	1,179	800,702	28,530	764,283	.....	190,642
1,477,167	127,958	180	1,589	352	26	102	2,168	1,281,155	47,206	1,257,506	100,929	246,690
716,286	40,449	171	681	146	10	83	920	364,890	24,726	364,890	391,845	.....
32,340	43,208	165	93	17	1	15	126	75,548	1,855	75,548	.....	.....
7,908	11,572	186	16	13	.....	7	36	19,480	1,039	19,480	.....	.....
5,605,928	636,750	189	5,375	1,522	129	809	7,835	3,781,217	178,319	3,359,827	1,678,822	1,204,029

Counties—Ninth District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.					Tons mined—By hand.	Powder—Blasting.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.			From solid—Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.							
.....	25,045	134	37	5	1	7	50	25,045	600	25,045	.....	.....
.....	5,286	145	10	.....	.....	4	14	5,286	198	5,286	.....	.....
.....	20,592	193	23	.....	.....	6	29	20,592	638	20,592	.....	.....
.....	50,923	165	70	5	1	17	93	50,923	1,436	50,923	.....	.....
5,605,928	687,673	.....	5,445	1,527	130	826	7,928	3,832,140	179,755	3,410,750	1,678,822	1,204,029

## TENTH INSPECTION DISTRICT—1908.

### THIRD ANNUAL REPORT.

Counties: Gallatin, Jackson, Johnson, Saline, Williamson.

THOMAS LITTLE, *Inspector*, Carbondale.

*Hon. David Ross, Secretary State Bureau of Labor Statistics, Springfield, Ill.:*

SIR—In compliance with the statute of the State, defining the duties of the State inspectors of coal mines, I herewith submit the third annual report of the coal mines in the tenth inspection district for the year ending June 30, 1908.

The tabular statements presented give the statistics for each county, showing the number of mines operated during the year, both shipping and local; the new and abandoned mines; the depth of coal below the surface, with the geological number and thickness of the various coal seams; the number of miners and other employés working in the mines and on the surface; the total tonnage of all grades of coal; the average value of coal at the mines, and the aggregate value of the total product in the district, with the casualties in and around the mines, both fatal and non-fatal.

The following summary gives all of the principal facts compiled from the schedules of the several counties:

Number of counties in which coal is produced.....	5
Total number of mines .....	107
Number of mines, shipping .....	7
Number of mines abandoned, shipping .....	1
Number of local mines .....	39
Total tonnage of shipping mines .....	8,449,749
Total tonnage of local mines .....	115,376
Total tonnage, all mines .....	8,565,125
Tons loaded on cars for shipment .....	7,905,487
Tons supplied to locomotives .....	113,029
Tons sold to local trade .....	210,828
Tons consumed and wasted at the mines.....	335,781
Aggregate value of total product .....	\$8,127,184
Number of miners in all the mines .....	7,301
Number of other employés and boys underground.....	2,634
Number of employés above ground .....	1,128
Total number of employés .....	11,063
Total number of mine machines in use.....	243
Total tons cut by machine .....	3,276,895
Total tons produced by hand in all mines.....	5,288,230
Number of kegs of powder used for blasting coal.....	239,088
Number of fatal accidents .....	31
Number of non-fatal accidents .....	115
Number of wives made widows .....	14
Number of children made fatherless .....	27
Number of tons produced for each fatal accident.....	276,294
Number of tons produced for each non-fatal accident.....	74,479
Number of persons employed to each fatal accident.....	357
Number of persons employed to each non-fatal accident.....	96

The increase and decrease in each county for the years ending June 30, 1907, and June 30, 1908, are shown in the following table:

COUNTIES.	TOTAL OUTPUT OF ALL GRADES OF COAL IN TONS.		Increase.	Decrease.
	1907	1908		
Williamson.....	5,766,452	5,367,140	100,688	.....
Saline.....	1,711,825	2,482,677	770,852	.....
Jackson.....	705,363	637,090	.....	68,275
Gallatin.....	88,908	75,322	.....	13,586
Johnson.....	2,900	2,896	.....	4
Totals.....	7,775,448	8,565,125	871,540	81,863
Net increase.....	.....	.....	789,677	.....

## NEW MINES.

Williamson county, The Johnston City and St. Louis Coal Company, Johnston City, has completed a new mine. Coal was struck at a depth of 270 feet July 15, 1907. The shaft is 15 feet by 8 feet 8 inches. The seam of coal is 9 feet thick. The tower is 60 feet high, built of yellow pine and bolted together. A pair of first motion engines 20 by 36 inches, made by the Aetna Machine Company, have been put in; the drum is 6 feet in diameter and the cable is 1½ inches. Three boilers have been put in; one, the Atlas make, is 6 feet by 72 inches with 70 4-inch flues; the other two are 6 feet by 16 inches and have 50 3-inch flues. The feed pumps are a Blackley with a 4-inch suction and a 3-inch discharge, and a Cameron with a 5-inch suction and a 4-inch discharge.

The cages are self-dumping; the shaker screen is the Hassen & Henneker Machine Company make. The engine, made by the same firm, runs the machine and is 18 inches by 12 inches. The boiler room and engine room are covered with iron. This shaft is built for a capacity of 2,000 tons per day.

The Keystone & Big Muddy Coal and Coke Company has sunk a new mine near Marion. This shaft is 10 by 18 feet. Coal was reached at a depth of 150 feet in January, 1908. The head tower is 63 feet high and built of yellow pine, securely bolted. The engine house is built of brick 36 feet by 40 feet; the equipment is a pair of first motion engines, 22 by 36 inches, made by the Aetna Machine Company. The drum is 5½ by 7 feet with a 1½-inch cable. The sheave wheels are 7 feet in diameter. There are two boilers, both are 18 by 72 inches with 72 4-inch flues; also two feed pumps, one a Fairbanks with a 3-inch suction and a 2-inch discharge, the other a Dean down in the mine with a 5-inch suction and a 4-inch discharge. The shaker screen is 8 inches by 23 feet, made by the Eagle Iron Works, Terre Haute, Ind.; there are four tracks under the screens, constructed to make four grades of coal; there are also two track scales and one wagon scale. The air shaft is completed and the ladders ready to be put in. The fan is of the Stine make but is not yet placed. It is ordered and will be 7 feet in diameter, with a bolt drive; the capacity will be 60,000 cubic feet of air per minute. The mine is equipped with a Sullivan air compressor and two Sullivan air punching machines. The compressor has a steam cylinder 22 by 24 inches; two air cylinders, one 14 by 24 inches and the other 20 by 24 inches. The boiler room is 33 feet by 46 feet and is covered with galvanized iron. The blacksmith shop is also 33 feet by 46 feet, and the office building 18 feet by 20 feet. This mine is located on the projected Eldorado & Marion Railroad.

The Culp Coal Company has completed a mine located five miles northeast of Marion. At this mine coal was reached Dec. 10, 1907, at a depth of 210 feet. The shaft is 9½ by 15 feet; the seam is 6½ feet thick. A pair of first motion engines have been installed, size 20 by 30 inches, made by the Danville Foundry and Machine Company. The drum is 6 feet in diameter, the sheave wheels the same with 1¼-inch cable. There are two boilers 18 feet by 72 inches with 70 4-inch flues. The engine room is built of brick and is 22 feet by 38 feet; the boiler room is 28 feet by 42 feet and is also built of brick. The tippie is built of heavy steel and is 60 feet high; it was built by the Westconart Bridge and Iron Works. The shaker screen was made by the Eagle Iron Works. There are two pumps, both Cameron, one with a 3-inch suction and 2-inch discharge, the other is down in the mine and has a 4-inch suction and a 3-inch discharge. Four tracks lead under the tippie so that four grades of coal can be produced. The air shaft is down and is 9 feet by 14 feet and 208 feet deep. The plant is up-to-date in all of its appointments and has a capacity of 2,000 tons per day.

In Saline county, the Davenport Mining Company has completed a new mine two miles south of Carriers Mills, on the Big Four Railroad. Coal was reached Feb. 9, 1908, at a depth of 166 feet; the seam is 4½ feet thick. The shaft is 8½ by 15 feet, timbered with 4 by 8 inch oak timber. The head frame is 60 feet high, made of 4 by 10 inch pine bolted together. The hoisting engine is 16 by 32 inches, made by Keck-Gonnerman, Mount Vernon, Ind. One boiler made by the same company, size 70 inches by 20 feet with 26 6-inch tubes. The engine room is 24 by 24 feet, ceiled with flooring and has a galvanized iron roof. The head frame and out-buildings are all covered with galvanized iron. The blacksmith shop is 25 by 50 feet. The air shaft is started, it is 8 by 12 feet. The fan is on the ground, ready to be put in place. It is of the Keck-Gonnerman Company make, 16 feet in diameter, driven by a 12 by 16 inch engine. Three tracks are built under the screens, with one pair of track scales and one pair of wagon scales. This is a good plant and well built.

The Eldorado Coal and Mining Company has completed a new mine one mile northeast of Eldorado. The seam of coal is 4½ feet thick and was reached July 2, 1907, at a depth of 450 feet. This is No. 5 seam of the geological section and of good quality. The shaft is 9 feet by 14 feet. The head tower is 75 feet high and is built of 4 by 12 inch yellow pine, securely bolted. There are three tracks under the tippie, and two track scales. The shaker screen is 8 feet by 21 feet, Keck-Gonnerman pattern. The engine room is 40 by 48 feet; a conveyor carries the coal from the screens to the boiler room. A Docker pump feeds the boilers and a National pump is down in the mine, this a 4-inch suction and a 3-inch discharge. There are two Erie boilers, 6 by 18 feet with 70 4-inch tubes; the engine is 20 by 30 inches, Keck-Gonnerman make. The company has put in a McEwin, 16 by 16 inches, 187 horsepower; Goodman generator, 100 killowatts. The air shaft is 9 by 13 feet, with a Keck-Gonnerman 20-foot fan. The engine room and boiler room are brick, the head frame is covered with galvanized iron. The shaft is located on the Big Four Railroad.

#### IMPROVEMENTS.

The National Mining Company, Eldorado, Saline county, has put in electric machines; also a Morgan-Gardner generator, 100 killowatts, 250 volts; a Skinner engine, 16 by 18 inches, 160 horsepower, and a Morgan-Gardner chain machine with Keystone bits. I will say that by putting in machines this mine has increased the output, as the coal was hard to blast off the solid.

#### CHANGES IN NAMES OF COMPANIES.

In Williamson county, the Oak Ridge & Hemlock Coal Company has changed its name and is now known as the Big Muddy River Consolidated Coal Company.

The New Virginia Coal Company and the Chicago & Marion Coal Company, located at White Ash, Williamson county, have changed their names and will be known as the Consumers' Coal Company.

#### ABANDONED MINES.

The Hafer Washed Coal Company has abandoned its No. 1 mine at Carterville, Williamson County. The Big Muddy Coal & Iron Company has abandoned its No. 6 mine at Murphysboro, Jackson county. The Inland Steel Company has abandoned its mine at DeSota, Jackson county. The Carterville Coal Company has abandoned its No. 2 and No. 3 mines in Williamson county.

#### FATAL ACCIDENTS.

Following will be found the descriptive particulars concerning the fatal accidents occurring in the district during the year:

July 1, 1907, Anthony Aklea, cager, 21 years of age, single, employed at the O'Gara Coal Company mine No. 3 at Harrisburg, Saline county, was killed while loading a car of coal; another car of coal ran down on him, mashing him between the cars. He died from the injuries the same day.

July 1, 1907, Edgar Brush, cager, aged 23 years, single, employed at the Carterville Mining Company's mine No. 3, Lauder, Williamson county, was killed while trying to get a car loose that was stuck on the cage. He was standing on the cage when the engineer hoisted it, catching deceased between the cage and door head of shaft, breaking his neck. The top men say that the signal was given from the bottom to hoist the cage, and the bottom men say there was no signal given from the bottom.

July 8, 1907, Stinson Hall, miner, aged 57 years, married, employed by the Big Muddy River Consolidated Coal Company at its mine No. 1, Johnston City, Williamson county, was killed instantly while cleaning slate in room No. 9 on the first north entry, on east side of the mine. He was working with two other men, when a piece of slate, probably 400 pounds, fell, striking deceased on the head, shoulders and neck. He leaves a widow and three children.

July 20, 1907, John Spezia, miner, aged 33 years, married, employed at the Big Muddy Coal & Iron Company's No. 7 mine, Herrin, Williamson county, was killed instantly while cutting through a pillar—the slate had been falling on the other side. The deceased was stooping over the edge of the slate when a piece of slate fell from the roof, striking him on the head. He had plenty of props and cap pieces in his room, and could have made his place safe. He leaves a widow and one child.

Aug. 11, 1907, Arthur Frisby, driver, aged 22 years, married, employed in the Johnston City Coal Company's mine, Johnston City, Williamson county, was killed while driving on the fourth south entry. Deceased was coming out of No. 7 on to the entry; he failed to get the sprag in the wheel, and went in front of the car to hold it back; it is supposed that his foot slipped and he fell under the car. He leaves a widow and one child.

Aug. 16, 1907, Tilford S. Botts, weighman, aged 32 years, single, employed in the Johnston City Coal Company's mine, Johnston City, Williamson county, was killed instantly while trying to replace a car on the cage which had been thrown into the hopper. Deceased lost his balance and fell to the bottom of the shaft.

Sept. 7, 1907, Denny Stamper, machine runner, aged 30 years, single, employed at the O'Gara Coal Company's mine No. 10, Eldorado, Saline county. Deceased was shoveling slack from the machine when the face of the coal fell on him, breaking his back and causing a scalp wound over his right eye. He died three days afterwards.

Sept. 24, 1907, George Prichett, driver, aged 22 years, single, employed by the Saline County Coal Company, Ledford, Saline county, was killed while waiting at the double parting for empty cars to come in from the

shaft bottom; the cars did not come as expected and deceased went into a cross-cut and laid down to wait. A piece of slate weighing about a hundred pounds fell on his head, crushing his skull. The accident occurred on the main south entry, about 600 feet from the shaft bottom.

Sept. 26, 1907, Oscar Poland, shot-firer, aged 22 years, single, and Molad Rutherford, shot-firer, aged 40 years, married, both employed at the No. 1 mine of the National Mining Company, Eldorado, Saline county, were suffocated. These men had the fuses lighted in five rooms; the shots were going off in rapid succession; one of the shots, however, was a dead hole, which caused a windy shot, and an explosion followed. Death was caused by suffocation. Rutherford leaves a widow.

Oct. 2, 1907, Charles Newton, miner, aged 39 years, married, employed at the Peabody Coal Company's mine No. 2, Marion, Williamson county, was killed while working off a shot. The top coal and slate gave way without giving any warning, and deceased was caught under it. He leaves a widow and four children.

Oct. 8, 1907, William Moore, driver, aged 22 years, single, employed at the Williamson County Coal Company's mine No. 1, Johnston City, Williamson county, was killed while bringing in a trip of cars of coal to the bottom of the shaft. While trying to uncouple his mule, his head was caught between the cars. He died fifteen minutes after the accident.

Oct. 8, 1907, Andrew Carver, driver, aged 25 years, single, employed at the Hafer Washed Coal Company's mine No. 3, Cartersville, Williamson county, was killed while driving on the north side of the mine. Deceased was bringing a trip of cars to the bottom. He had cut the mule from the cars but in some way he slipped and fell under the cars, and was caught under the bumpers and stopped the trip.

Oct. 8, 1907, John Hobby, machine helper, aged 34 years, married, employed by the O'Gara Coal Company in mine No. 9, Harrisburg, Saline county, was killed while shoveling slack for Gus Martin, the machine runner. After they had made the sixth run across the room, Martin told Hobby to examine the coal and see if it was loose. Hobby took his bar and punched the coal, saying he did not think it would fall; after they had started to make the seventh run, about a ton and a half of coal fell on Hobby, killing him almost instantly. He leaves a widow and three children.

Nov. 1, 1907, Isadore Benevite, driver, aged 30 years, single, employed at the Big Muddy River Consolidated Coal Company, Johnston City, Williamson county, was killed while riding on the front end of a pit car. He fell off the car, which passed over him. He died about two hours after the accident.

Dec. 14, 1907, Noah Yarbough, miner, aged 51 years, single, employed at the O'Gara Coal Company's mine No. 14, Ledford, Saline county, was killed while loading a car at the face of his room by falling slate. The slate that fell was about 4 by 16 feet and 2 inches thick; his neck was broken.

Dec. 19, 1907, Joseph Ellican, cager, single, aged 28 years, employed by the Johnston City & Big Muddy Coal and Mining Company, Johnston City, Williamson county, was fatally injured. A trip of five cars had come in on the bottom of the south side of the shaft; Ellican took the first car to put it on the cage, but failed to put sprags to the balance of the cars; they ran across the cage, crushing him. He died December 23.

Dec. 21, 1907, Patrick Murry, miner, aged 40 years, single, employed at the O'Gara Coal Company's mine No. 4 at Harrisburg, Saline county, was killed instantly by falling slate. Deceased was in his room eating his lunch. The piece of slate was  $4\frac{1}{2}$  by 13 feet and 10 inches thick.

Jan. 6, 1908, Ernest May, shot-firer, aged 23 years, single, employed by the O'Gara Coal Company at mine No. 14, Ledford, Saline county, was fatally burned about the face, hands and body. He fired a shot which was too tightly gripped and which also had an excessive charge of powder.

Jan. 11, 1908; James Cousart, miner, aged 27 years, married, employed at mine No. 4 of the O'Gara Coal Company, Harrisburg, Saline county, was fatally burned by igniting the gas in his working place in the No. 12 west

entry. Both Cousart and his partner were warned of the presence of gas on the morning of the accident; they removed the board bearing the examiners' mark on the morning of the accident and supposed they had brushed all the gas out before going to work; after loading one car, Cousart's partner, H. Clark, lighted the gas, which fatally burned Cousart; Clark was not burned at all on account of his lying down. Deceased leaves a widow and two children.

Feb. 12, 1908, Jasper Nealan, aged 50 years, single, miner, employed at the National Mining Company's mine, Eldorado, Saline county, was, with two other men, opening up a fire that had been sealed up; two of the men had safety lamps, Nealan went in after them with an open lamp; when he reached the first open cross-cut, the gas from the lighted lamp exploded, blowing him against the rib, fracturing his skull.

Feb. 13, 1908, J. C. Smothers, shot-firer, aged 37 years, married, employed at the No. 7 mine of the Big Muddy Coal and Iron Company, Herrin, Williamson county, was struck by flying coal from a shot in room No. 67; no one was with him. He was found twenty-five feet from the face of the room and it is supposed that the squib, when fired, was too short, and that it exploded before he could get to a safe place. He leaves a widow and four children.

Feb. 26, 1908, Toney Wagner, miner, aged 60 years, single, employed at Travelstead local mine, situated four miles northwest of Carriers Mills, Saline county, was killed instantly. Wagner and Travelstead, the operator, had been working together in the mine the day of the accident until about 4:00 o'clock p. m., when they both started home. Wagner, after going part of the way, turned back and went into the mine, and started to mine off a standing shot; when the coal came away it caught him and crushed him to death.

March 14, 1908, James McGill, bottom laborer, aged 33 years, married, employed at the Peabody Coal Company's mine, Marion, Williamson county. Deceased was standing at the passing branch at the side of a mule, which was hitched to a trip of empty cars; he was waiting for a mule to come out with a trip of loaded cars. When the loaded cars came out, one of the cars jumped the track at the switch frogs, the car striking the mule that was hitched to the empty cars, crushing him between the mule and the rib of coal. Deceased was injured internally and died about two hours afterward.

March 19, 1908, John Means, miner, aged 24 years, married, employed by the O'Gara Coal Company at its No. 8 mine, Eldorado, Saline county, was killed instantly. The driver was taking out a loaded car and Means was walking along after to bring in an empty car, when a piece of slate  $5\frac{1}{2}$  inches by  $9\frac{1}{2}$  feet, 4 inches thick, fell on him. He leaves a widow and one child.

May 19, 1908, Joseph Morris, miner, aged 40 years, married, employed by the O'Gara Coal Company in mine No. 9, Harrisburg, Saline county, was killed instantly by a piece of falling slate. Morris and his partner knew that the slate was loose and intended to take it down as soon as they had loaded their car of coal; they had started loading but had only worked a short time when the slate fell on Morris. The piece of slate was 4 by 9 feet and about 5 inches thick. He leaves a widow.

May 22, 1908, William Link, miner, aged 42 years, married, employed at No. 8 mine of the Madison Coal Corporation, Dewmaine, Williamson county, was injured while loading coal at the face of his room. A piece of slate fell on him, crushing him so that he died fifteen hours afterward. He leaves a widow and three children.

June 22, 1908, Charles Davis, driver, aged 19 years, single, employed at the Saline Coal Company's No. 1 mine, Ledford, Saline county, was killed while driving in the fourth west entry. Deceased, when about 100 feet from the main east entry, was told to stop and was heard to say, "I can't stop," but he turned the mule and fell under the car, which was not coming fast. His sprags were found on top of the car. A number of men were standing close by, and, in two minutes, had the car taken off of him; there was room for him to have gotten on the side of the road out of the way of the car.

June 23, 1908, Louis Hosnak, miner, aged 23 years, single, employed by the O'Gara Coal Company at mine No. 1, located three miles north of Harrisburg, Saline county, was killed instantly while working in No. 8 room on fourth east entry off of the main south entry. A piece of slate 14 feet by 16 feet and 6 inches thick fell on him. He had props and cap pieces in his room and, had he placed them properly, the accident probably would not have occurred.

June 26, 1908, Arthur Bowles, machine runner, aged 28 years, married, employed at the O'Gara Coal Company's No. 3 mine, Harrisburg, Saline county, was killed instantly while running a machine in No. 1 west entry. A quantity of loose coal fell on him. He leaves a widow and one child.

June 27, 1908, Harry McClane was found dead under a mine car in the O'Gara Coal Company's mine No. 10, Eldorado, Saline county. Deceased was employed as a driver; aged 32 years and single. The cause of the accident is not known, but it is supposed that he was in the act of unhitching his mule and that his foot slipped on the rail and he fell in front of the car; when he was found the car was on his head and shoulders; there was no one present when the accident occurred.

The tables of the fatal and non-fatal accidents follow; also the statistical tables of each county with a recapitulation for the district.

Respectfully submitted,

THOMAS LITTLE,  
*State Inspector Tenth District. Murphysboro.*



Fatal Casualties—Tenth District—July 1, 1908.

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	Widows.	Children.	Single.	Persons dependent.	Cause of Accident.
1907										
July	1 Edgar Brush	23	Cager	Cambria				1		Ascending cage
	1 Antony Akla	21	do	Harrisburg				1		Pit car
	8 Stinson Hall	57	Miner	Oak Ridge	1	1	3		4	Falling slate
	20 John Spezia	33	do	Herrin	1	1	1		2	Falling slate
	29 James McFill	33	Driver	Marion	1	1	3		4	Pit car and rib
Aug.	11 Arthur Frisby	22	do	Johnston City	1	1	1		2	Pit car
	16 Tilford S. Batts	32	Weighman	do				1		Falling down shaft
Sept.	7 Denny Stamper	30	Mac. runner	Eldorado				1		Falling coal
	24 George Pushett	22	Driver	Ledford				1		Falling slate
	26 Oscar Poland	22	Shot firer	Eldorado				1		Suffocation blown out shot
	26 Molad Rutherford	40	do	do	1	1			1	do
Oct.	2 Charles Newton	39	Miner	Marion	1	1	4		5	Falling coal
	8 Wm. Moore	22	Driver	Johnston City				1		Pit car
	8 Andrew Carver	25	do	Carterville				1		do
	8 John Hobby	34	Machine help.	Harrisburg	1	1	3		4	Falling coal
Nov.	1 Isadore Benevite	30	Driver	Oak Ridge				1		Pit car
Dec.	14 Noah Yarbough	51	Miner	Ledford				1		Falling slate
	19 Joseph Ellican	28	Cager	Johnston City				1		Pit car
	21 Pat Murry	40	Miner	Harrisburg				1		Falling slate
1908										
Jan.	6 Earnest May	23	Shot firer	Ledford				1		Shot explosion
	11 James Cowsart	27	Miner	Harrisburg	1	1	2		3	Gas explosion
Feb.	13 Joseph Nealon	50	do	Eldorado	1	1			1	do
	13 J. H. C. Smothers	37	Shot firer	Herrin	1	1	4		5	Flying coal
	26 Toney Wagoner	60	Miner	Carriers Mills				1		Falling coal
Mar.	19 John Means	24	do	Eldorado	1	1	1		2	Falling slate
May	19 Joseph Morris	40	do	Harrisburg	1	1			1	do
	22 William Link	42	do	Dewmaine	1	1	3		4	do
June	22 Charles Davis	19	Driver	Ledford				1		Pit car
	23 Louis Hosnak	23	Miner	Harrisburg				1		Falling slate
	26 Arthur Bowles	23	Mac. runner	do	1	1	1		2	Falling coal
	27 Harry McClane	32	Driver	Eldorado				1		Pit car
	Total—31				14	14	26	17	40	

*Recapitulation of Fatal Accidents—Tenth District—1908.*

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Cambria.....	1	Cager.....	3	Cage ascending.....	1	Big Muddy C. & Iron Co...	2
Carriers Mill.....	1	Drivers.....	8	Falling coal.....	5	B. M. River C. C. Co.....	2
Cartersville.....	1	Mach. helper...	1	Falling down shaft...	1	Cartersville Mining Co.....	1
Dewmaine.....	1	Mach. runner...	2	Falling slate.....	9	Hafer Washed Coal Co.....	1
Eldorado.....	6	Miner.....	12	Flying coal.....	1	J. City & B. M. Coal Co.....	1
Harrisburg.....	7	Shot firers.....	4	Gas explosion.....	2	J. City & Cart. Coal Co.....	2
Herrin.....	2	Weighman.....	1	Pit cars.....	9	Madison Coal Corporation..	1
Johnston City...	4			Shot explosion.....	1	Harrisburg So. Coal Co.....	3
Ledford.....	4			Suffocation blown out		O'Gara Coal Co.....	12
Marion.....	2			shot.....	2	Peabody Coal Co.....	2
Oak Ridge.....	2					Saline County Coal Co.....	2
						Travelstead.....	1
						Williamson County C. Co...	1
Totals.....	31		31		31		31

Non-Fatal Casualties—Tenth District—July 1, 1908.

Date.	Name.	Age.	Residence. (Town.)	Married. Single.	Children.	Number persons dependent.	Character of Injury and cause of Accident.	Time lost—days.
1907 July	7 H. Wills	45	Marion	1	4	5	Arm and head injured, falling slate	60
	8 Albert Godbois	19	Eldorado	1			Leg broken, pit car	30
	8 Mack Gamblin	25	Ledford	1		1	Leg broken, falling slate	40
	9 Chas Edmondson	23	Ledford	1			Rib fractured, kicked by mule	30
	15 Harry Hindman	18	Herrin	1			Foot injured, pit car	42
	16 Mason Love	22	Herrin	1	1	2	Leg injured, falling slate	90
	18 Joseph Sentina	37	do	1			Finger cut off, mining machine	35
	22 John Patterson	25	Marion	1			Leg broken, mule and car	60
	27 Tom Harris	40	Carrier Mills	1	4	5	Leg broken, falling slate	90
	29 Wm. Mills	26	Equality	1	2	3	Arm injured, falling slate	30
	30 Thos. Nelms	49	Herrin	1		1	Arm broken, falling slate	*
	31 Alex. Muir	37	do	1	3	4	Body injured, pit car	38
	31 Andrew Zimmers	23	Ledford	1		1	Foot mashed, falling under car	180
Aug.	1 Ben Bateman	32	Herrin	1			Arm, hand and face burned, gas explosion	*
	1 Edward Alderson	18	Eldorado	1			Leg broken, falling slate	90
	7 E. E. Finney	22	Harrisburg	1		1	Shoulder blade broken, car and door	60
	8 Jake Bacine	24	Johnston City	1			Leg injured, kicked by mule	30
	11 Harry Griffith	24	Herrin	1	3	4	Spine injured, descending cage	36
	12 Chas. McFadden	30	Carterville	1	1	2	Spine injured, box and door	30
	13 Ephraim Cromwell	23	Herrin	1	1	2	Finger mashed, crank shaft and timber	61
	13 Thos. Door	37	Ledford	1	1	2	Arm burned, powder explosion	33
	13 Guy Williams	25	Herrin	1	1	2	Head and shoulder bruised, falling slate	46
	16 Jas. Elbin	36	Clifford	1	3	4	Knee injured, falling prop.	46
	20 John Wingate	20	Harrisburg	1			Foot crushed, pit car	42
	27 Chas. Mansey	21	Herrin	1	1	2	Toes broken, falling tie	30
	28 Mike Plinanotio	30	Harrisburg	1			Leg broken, falling slate	30
	28 Wm. Davis	27	do	1	1	2	Body injured, pit car	30
	31 Thos. Klors	29	Clifford	1			Finger mashed, machine truck	65
	31 Chas. Bock	32	Harrisburg	1		1	Leg broken, mining machine	40
Sept.	3 Thos. Murphy, Jr.	21	Murphysboro	1			Back injured, pit car	34
	4 Frank Seraphic	22	Johnston City	1			Toe mashed, falling slate	30
	10 John Grafton	30	Harrisburg	1			Back, shoulder and ankle injured, falling slate	42
	13 Louis Juiala	26	Johnston City	1			Leg broken, falling slate	70
	23 Samuel Gallidge	30	Eldorado	1	4	5	Leg injured, falling coal	30
	24 Wm. H. Wilson	21	Carrier Mills	1			Knee injured, falling slate	90
	26 Claude Duke	18	Harrisburg	1			Hips injured, pit car	30
	26 Samuel Dill	19	do	1			Arm injured, falling coal	30
	27 A. J. Huston	22	Herrin	1			Arms and face burned, gas explosion	53
	27 Louis Beardon	24	do	1			Head burned, gas explosion	34
	28 Wm. Gruley	30	Harrisburg	1			Head injured, flying coal	30
	28 James H. Moon	19	Herrin	1			Leg broken, pit car	90
Oct.	1 Wm. Buntion	18	do	1			Foot injured, pit car	30
	2 Jas. Holderfield	28	Marion	1			Body injured, shot explosion	30
	2 Daniel Gleason	22	Harrisburg	1			Finger broken, drill weight	60
	3 Richard Fox	40	Harrisburg	1	3	4	Ribs (2) broken, ran against wire	30
	4 Sherman Wardrop	30	do	1			Leg broken, falling slate	75
	5 Henry Gunster	69	Carterville	1	1	2	Face and arms injured, fell from steps	30

## Non-Fatal Casualties—Tenth District—Continued.

Date.	Name.	Age.	Residence. (Town.)	Married. Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1907								
Oct. 5	D. C. Howard	44	Bush	1	2	3	Leg broken, descending cage	30
	Ross Belcher	50	do	1	1	2	do	30
	Wm. Lewis	36	do	1	1	1	do	30
	Joe Codla	16	do	1	1	1	Ankle injured, descending cage	30
	August Petmel	25	do	1	1	1	Hip injured, descending cage	30
	Pierron Goncopski	36	do	1	1	2	Leg broken, descending cage	30
	Frank Newcomb	24	Harrisburg	1	1	2	Foot mashed, pit car	30
	Wm. Underwood, Sr	54	Murphysboro	1	1	2	Collar bone broken, falling slate	101
	James Daylish	35	Johnston City	1	2	3	Body injured, falling slate	30
	Anton Walerentch	26	Harrisburg	1	1	2	Leg broken, falling coal	45
	Chas. Venagine	23	Murphysboro	1	2	3	Collar bone broken, falling slate	60
	Howard Shelton	33	Mitchellsville	1	1	1	Jaw broken and back bruised, pit car	30
	Geo. Schriener	47	Herrin	1	1	2	Thumb mashed, mule and cage	30
	A. T. Clendeninal	33	Dewmaine	1	1	1	Leg broken, falling slate	120
	Wm. Kanady	17	Johnston City	1	1	1	Foot injured, pit car	60
Nov. 5	Joe Hornell	34	Dorrisville	1	1	1	Leg broken, falling slate	45
	Joseph Cotoni	35	Murphysboro	1	1	1	Knee sprained, falling slate	46
	Wm. Kirby	21	Herrin	1	1	1	Fingers mashed, pit car	46
	Cy Little	36	Clifford	1	7	8	Shoulder fractured, falling coal	213
	Columbus Harvey	24	Marion	1	1	2	Body injured, pit car	45
	O. F. Berry	30	Johnston City	1	2	3	Leg broken, falling coal	180
Dec. 9	M. Campbell	31	Clifford	1	1	2	Ankle injured, pit car	42
	Stanley Sobi	35	Johnston City	1	1	2	Body injured, pit car	60
	F. Montague	23	Marion	1	1	1	Rib fractured, pit car	30
	Tona Gubrana	26	Johnston City	1	1	1	Head injured, falling slate	60
	Arthur Love	18	Harrisburg	1	1	2	Finger cut off, pit car	60
	Thomas Thornton	31	Herrin	1	1	2	Back sprained, motor	40
	John Gentoier	30	Bush	1	3	4	Spine injured, falling coal	*
1908								
Jan. 3	Ceasar Buggette	37	Murphysboro	1	2	3	Finger mashed, machine	32
	J. V. Vickery	64	Herrin	1	1	2	Foot broken, falling slate	30
	Ira Howe	20	Galatia	1	1	1	Toe cut off, pit car	40
	Headley Terrell	19	Eldorado	1	1	1	Back sprained, pit car	60
	G. M. Fowler	24	do	1	1	1	Leg broken, pit car	60
	John Gualdania	36	Herrin	1	1	1	Shoulder bruised, falling slate	*
	Jack Farington	24	do	1	1	1	Collar bone broken, pit car	62
	Thos. Sumers	26	Murphysboro	1	2	3	Leg injured, machine	44
	A. Ingram	35	Clifford	1	3	4	Foot bruised, machine	31
Feb. 2	Ted Abram	30	do	1	1	2	Wrist broken, pit car	70
	John Spiller	18	White Ash	1	1	1	Leg broken, tail chain	90
	Wm. Pherer	19	Herrin	1	1	1	do	45
	Roy Newton	35	Johnston City	1	5	6	Eyes destroyed, premature explosion	*
	Wm. Boyd	27	Herrin	1	1	2	Hip dislocated, pit car	30
	Adam Korouski	23	Eldorado	1	1	1	Leg broken, falling coal	120
	Thos. Christian	35	Herrin	1	3	4	Foot mashed, falling slate	39
	Herman Strauss	33	do	1	3	4	Leg broken, falling slate	123
	George Hampton	28	Johnston City	1	1	2	Shoulder injured, pit car	30
	Chas. Polaski	45	Harrisburg	1	1	1	Leg broken, falling coal	60
	John Tarrant	30	Johnston City	1	1	1	Head injured, falling coal	30
	Robt. Kemp	21	Herrin	1	1	1	Foot mashed, motor	32
Mar. 2	Jas. Peleto	45	Dewmaine	1	2	3	Hand and face burned, shot explosion	30
	Robt. McCoy	25	Eldorado	1	1	1	Hand broken, stepped on by mule	30
	Alex. Sealer	32	Herrin	1	3	4	Head cut, pit car	32
	Rolla Radford	27	Cartersville	1	1	2	Hand and face burned, gas explosion	60
	Wm. Thompson	20	Harrisburg	1	1	1	Arm broken, pit car	45
	Alonzo Poindexter	24	Dewmaine	1	1	1	Ankle broken, pit car	90

*Non-Fatal Casualties—Tenth District—Concluded.*

Date.	Name.	Age.	Residence. (Town.)	Married.	Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1908									
Mar. 7	James Rizis	35	Clifford	1			1	Ribs broken, falling off car	61
16	C. J. Weatherford	56	Herrin	1			1	Leg broken, falling slate	*
16	Chas. Snederly	23	do		1			Head injured, pit car	30
17	Dan Words	18	Eldorado		1			Ribs broken, falling slate	90
21	Perry Acken	23	Herrin		1			Hand injured, pit car	30
21	Otis Smith	21	Harrisburg		1			Ankle broken, pit car	60
27	Lewis Merdimonts	25	Herrin		1			Leg injured, falling coal	35
27	Ben Dereghi	27	do		1			Leg broken, falling coal	45
30	A. J. Strickland	55	Ledford	1			1	do	60
May 13	Marion Wiley	20	Harrisburg		1			Rib broken, pit car	30
29	S. Duvall	22	Clifford	1		1	2	Foot broken, railroad car	35
June 3	Worth Nevill	30	Herrin		1			Arm injured, water box and roof	30
27	Lewis Castill	35	do	1		2	3	Hip and back injured, falling coal	*
	Totals			56	59	88	144		

\*Not recovered July 1, 1908.

Total number of men injured	115
Not recovered July 1, 1908	7
Number recovered July 1, 1908	108
Time lost by men recovered, days	5,570
Average time lost by men recovered, days	51 57

*Recapitulation of Non-Fatal Casualties, Nature of Injuries, Conjugal Relations and Time Lost—Tenth District—1908.*

NATURE OF INJURIES.	Number.	Married.	Single.	Children.	Dependents.	TIME LOST—DAYS.		Percent- age of injuries.
						Total.	Average.	
Ankles broken.....	2		2			150	75.00	1.74
Ankles injured.....	3	1	2	2	3	102	34.00	2.61
Arms and face burned.....	2		2			53	53.00	1.74
Arms and head injured.....	2	2		5	7	90	45.00	1.74
Arms broken.....	3	1	2		1	115	57.50	2.61
Arms bruised.....	2		2			60	30.00	1.74
Arms burned.....	1	1		1	2	30	30.00	.87
Backs injured.....	6	4	2	8	12	200	40.00	5.22
Bodies injured.....	7	4	3	7	11	275	59.29	6.08
Collar bones broken.....	3	2	1	3	5	223	74.33	2.61
Eyes destroyed.....	1	1		5	6			.87
Fingers cut off.....	2		2			95	47.50	1.74
Fingers mashed.....	6	4	2	4	8	294	49.00	5.22
Foot broken.....	2	2		2	4	65	32.50	1.74
Foot injured.....	9	3	6	6	9	486	54.00	7.83
Hands and face burned.....	2	2		3	5	90	45.00	1.74
Hand broken.....	1		1			30	30.00	.87
Hand bruised.....	1		1			30	30.00	.87
Head and shoulders bruised.....	1	1		1	2	33	33.00	.87
Head burned.....	1		1			34	34.00	.87
Heads injured.....	5	2	3	3	5	182	36.40	4.34
Hips bruised.....	3	1	2	2	3	60	30.00	2.61
Hips dislocated.....	1	1		1	2	30	30.00	.87
Jaw broken.....	1		1			30	30.00	.87
Knee sprained.....	3	2	1	3	5	182	60.67	2.61
Legs broken.....	27	12	15	13	25	1,728	66.46	23.47
Legs bruised.....	5	3	2	7	10	229	45.80	4.34
Ribs fractured.....	6	3	3	3	6	271	45.17	5.22
Shoulder blade broken.....	2	2		7	9	273	136.50	1.74
Shoulders bruised.....	2	1	1	1	2	30	30.00	1.74
Toes broken.....	1	1		1	2	30	30.00	.87
Toes cut off.....	1		1			40	40.00	.87
Toes injured.....	1		1			30	30.00	.87
Totals and averages.....	115	56	59	88	144	5,570	51.57	100.00

*Recapitulation of Non-Fatal Accidents—Tenth District—1908.*

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Bush.....	7	Cagers.....	2	Box and door.....	1	B. M. C. & I. Co.....	15
Carriers Mills.....	2	Car trimmer.....	1	Cage descending.....	7	Carterville B. M. C. Co.....	2
Carterville.....	3	Coupler.....	1	Crank, shaft, timbers.....	1	Carterville Mining Co.....	3
Clifford.....	8	Drivers.....	39	Drill weight.....	1	Chicago & B. M. C. Co.....	3
Dewmaine.....	3	Engineer.....	1	Falling coal.....	12	Chi. & Cart. Coal Co.....	20
Dorrisville.....	1	Laborers.....	2	Falling off car.....	1	Consummers Coal Co.....	1
Eldorado.....	8	Loaders.....	2	Falling from steps.....	1	Donnelly-Koeneck C. Co.....	1
Equality.....	1	Machinisists.....	2	Falling prop.....	1	Hafer Coal Co.....	2
Galatia.....	1	Mach. runners..	6	Falling slate.....	28	J. City & B. M. C. Co.....	8
Harrisburg.....	19	Miners.....	48	Falling tie.....	1	Madison Coal Co.....	4
Herrin.....	32	Motorman.....	1	Falling under car.....	1	O'Gara Coal Co.....	37
Johnston City.....	11	Shot firers.....	2	Flying coal.....	1	Peabody Coal Co.....	1
Ledford.....	6	Spraggers.....	2	Gas explosion.....	4	St. Louis-Carterville C. Co..	1
Marion.....	5	Timberman.....	1	Machine.....	5	Saline County Coal Co.....	1
Mitchellville.....	1	Trackmen.....	2	Mach. trucks.....	1	Sunnyside Coal Co.....	6
Murphysboro.....	6	Trapper.....	1	Motor.....	2	Vandell Mining Co.....	1
White Ash.....	1	Trip rider.....	1	Mule and cage.....	1	Western Coal Mining Co.....	7
				Mule and car.....	1	Williamson County C. Co...	2
				Mule, kicked by.....	2		
				Mule, stepped on.....	1		
				Pit cars.....	32		
				Pit car and door.....	1		
				Powder explosion.....	1		
				Railroad cars.....	1		
				Shot explosion.....	3		
				Tail chain.....	2		
				Water box and roof...	1		
				Wire, ran against.....	1		
Totals.....	115		115		115		115

## Gallatin County—Tenth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Gallatin Coal & Coke Co.....	Equality.....	3,676	21,017	27,851	52,544
LOCAL MINES.						
1	J. E. Dempsey.....	Equality.....	1,725	7,287	2,450	11,462
2	Josh. Anderson.....	do.....	4,000			4,000
3	W. H. McClain.....	do.....		3,510	150	3,660
4	J. A. Baldwin.....	do.....		1,680	200	1,880
5	R. J. Mitchell.....	Junction.....		480	240	720
6	Wm. Strong.....	do.....	400		280	680
7	A. J. Hewitt.....	do.....		240	100	340
8	Marion Brinkly.....	Gibson.....		24	12	36
Totals.....			6,125	13,221	3,432	22,778
Totals—9 mines.....			9,801	34,238	31,283	75,322

Mines reported for 1907, 10.

New mines, 1.

Abandoned mines, 2.

Mines in 1908 9.



Gallatin County—Tenth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employé's.	Total.		Killed.	Injured.				
\$47,289	43,089	9,455	176	71	10	81	52,544	.....	.....	214	Solid.....		1
\$15,932	.....	11,462	200	7	.....	7	11,462	.....	.....	498	.....	.....	1
5,000	.....	4,000	200	7	.....	7	4,000	.....	.....	150	.....	.....	2
15,490	.....	3,660	260	5	.....	5	3,660	.....	.....	60	.....	.....	3
1,820	.....	1,880	170	3	.....	3	1,880	.....	.....	48	.....	.....	4
1,080	.....	720	150	3	.....	3	720	.....	.....	45	.....	.....	5
1,020	.....	680	100	3	.....	3	680	.....	.....	40	.....	.....	6
510	.....	340	50	1	.....	1	340	.....	.....	8	.....	.....	7
44	.....	36	15	1	.....	1	36	.....	.....	3	.....	.....	8
\$40,396	.....	22,778	143	30	.....	30	22,778	.....	.....	852	.....	.....	
\$88,185	43,089	32,233	.....	101	10	111	75,322	.....	1	1,066	.....	.....	

## Jackson County—Tenth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Muddy Valley Mining & Mfg. Co., No. 1.	Hallidayboro...	60,945	6,415	127,583	194,943
2	Big Muddy Coal & Iron Co., Harrison	Murphysboro...	9,683	49,246	50,237	109,176
3	Big Muddy Coal & Iron Co., No. 6	do.....	15,925	22,915	32,549	71,389
4	Big Muddy Coal & Iron Co., No. 9	do.....	26,212	16,513	16,035	58,760
5	Chicago-Carbondale Coal Co.	De Sota.....		13,000	28,000	46,000
6	Gus Blair & Big Muddy Coal Co., No. 1	Murphysboro...	3,998	23,416	11,708	39,122
7	Gartside Coal Co., No. 4	do.....		23,202	15,877	39,079
8	Gartside Coal Co., No. 3	do.....		17,025	14,954	31,979
9	Schmidtgall Coal Co., No. 1	do.....		7,170	6,678	13,848
10	Gus Blair Coal Co., No. 2	do.....	310	4,336	2,896	7,542
11	Peacock Coal Co., No. 1	DeSota.....	1,000	2,000	1,400	4,400
Totals.....			118,083	190,238	307,917	616,238
LOCAL MINES.						
1	N. L. Church	Ava.....	2,080			2,080
2	J. B. Woods	Carbondale...	4,000			4,000
3	D. Dawson	Campbell Hill...	3,500			3,500
4	E. Spansler	Carbondale...		1,500	1,000	2,050
5	J. B. Schimpf	Vergennes.....	2,145			2,145
6	H. S. Phillips	Carbondale...		1,500	1,000	2,500
7	T. A. Nisbet	Ava.....	2,371			2,371
8	W. R. Campbell	Vergennes.....	89	280	27	396
9	James L. Brush	Carbondale...	200	200		400
10	John Herman	Oraville.....	200	200		400
11	G. H. Luches	Campbell Hill..	200	160		360
12	Wm. Wickison	DeSota.....	200			200
Totals.....			14,985	3,840	2,027	20,852
Totals—23 mines.....			133,068	194,078	309,944	637,090

Mines reported for 1907, 18.

New mines, 5.

Mines in 1908, 23.

Jackson County—Tenth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$194,943	121,987	72,956	172	140	130	270	194,943			5,940	Solid...	Pneu.	1
147,754	97,580	11,596	156	132	81	213	1,116		2	764	U. C. ...	do..	2
93,394	61,049	10,340	119	120	106	226	11,973		4	829	do..	do..	3
78,722	44,006	14,754	151	35	49	84	13,125			520	do..	do..	4
46,000	41,000	5,000	72	40	25	65	6,000			900	do..	do..	5
48,902	35,757	3,365	150	38	24	62				262	do..	do..	6
50,875	33,374	5,705	151	40	31	71	7,292			406	do..	do..	7
41,380	19,143	12,836	152	40	29	69	3,215			298	do..	do..	8
16,617	2,175	11,673	194	20	8	28				123	do..	do..	9
9,425	3,892	3,650	170	8	6	14				72	do..	do..	10
5,000	800	3,600	58	4	8	12	4,400			50	do..	do..	11
<b>\$733,012</b>	<b>460,763</b>	<b>155,475</b>	<b>150</b>	<b>617</b>	<b>497</b>	<b>1,114</b>	<b>242,064</b>		<b>6</b>	<b>10,164</b>			
\$2,590		2,080			7	7	2,080			58			1
5,000		4,000			6	6	4,000			100		W	2
4,375		3,500			4	4	3,500			80			3
1,670		2,500		5	1	6	2,500			75		W	4
3,217		2,145		4	1	5	2,145			83			5
2,500		2,500		3	1	4	2,500			100			6
2,963		2,371		4		4	2,371			90			7
558		396		2	1	3	396			35			8
640		400		3	3	6	400			25			9
500		400		2		2	400			12		W	10
470		360		2		2	360			11			11
400		200		2		2	200			7			12
<b>\$24,883</b>		<b>20,852</b>		<b>27</b>	<b>24</b>	<b>51</b>	<b>20,852</b>			<b>676</b>			
<b>\$757,895</b>	<b>460,763</b>	<b>176,327</b>		<b>644</b>	<b>521</b>	<b>1,165</b>	<b>262,916</b>			<b>10,840</b>			

*Johnson County—Tenth District—1908.*

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	J. W. Tyler.....	New Burnside.....	1,486		20	1,506
2	Edward White.....	do.....	1,350		40	1,390
	Totals.....		2,836		60	2,896

Mines reported for 1907, 2.

Mines in 1908, 2.

*Johnson County—Tenth District—Concluded.*

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$2,259 .....	1,506	148	4 .....	4	1,506 .....	.....	.....	35 .....	.....	1			
2,085 .....	1,390	130	4 .....	4	1,390 .....	.....	.....	30 .....	.....	2			
\$4,344 .....	2,896	139	8 .....	8	2,896 .....	.....	.....	65 .....	.....				

## Saline County—Tenth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	O'Gara Coal Co., No. 9.....	Harrisburg.....	78,543	141,498	57,368	277,409
2	O'Gara Coal Co., No. 3.....	..do.....	963	185,163	57,107	243,233
3	O'Gara Coal Co., No. 1.....	..do.....	3,282	135,557	76,762	215,601
4	O'Gara Coal Co., No. 4.....	..do.....	11,890	124,128	57,656	193,664
5	O'Gara Coal Co., No. 10.....	Eldorado.....	61,518	60,948	39,317	161,783
6	O'Gara Coal Co., No. 7.....	Carrier Mills.....	57,994	73,957	29,747	161,698
7	O'Gara Coal Co., No. 14.....	Ledford.....	446	56,405	90,472	147,323
8	Saline County Coal Co., No. 1.....	Harrisburg.....	45,790	63,469	31,707	140,966
9	O'Gara Coal Co., No. 8.....	Eldorado.....	41,982	44,417	39,279	125,678
10	O'Gara Coal Co., No. 12.....	Harrisburg.....	106	69,831	54,118	124,055
11	O'Gara Coal Co., No. 2.....	..do.....	11,062	77,769	30,785	119,616
12	O'Gara Coal Co., No. 5.....	Ledford.....	3,793	53,168	55,860	112,821
13	Wasson Coal Co., No. 1.....	Harrisburg.....	25,760	27,212	59,318	112,290
14	Saline County Co., No. 2.....	..do.....	11,603	57,912	26,767	96,282
15	O'Gara Coal Co., No. 6.....	..do.....	9,989	53,294	27,294	91,577
16	O'Gara Coal Co., No. 11.....	Eldorado.....	13,584	32,623	15,458	61,665
17	Galatia Coal Co.....	Galatia.....	4,577	3,808	4,888	13,273
18	Eldorado Coal & Mining Co., No. 1.....	Eldorado.....	4,000	1,800	2,200	8,000
19	Davenport Mining Co.....	Carrier Mills.....	231	.....	.....	231
20	Harrisburg Southern Coal Co., No. 1.....	Grayson.....	6,000	23,222	29,215	58,437
Totals.....			393,103	1,286,181	786,318	2,465,602
LOCAL MINES.						
1	G. A. Ingram.....	Harrisburg.....	2,700	1,000	6,300	10,000
2	William Travelstead.....	Stone Fort.....	1,200	1,000	200	2,400
3	Sheet Scapel.....	..do.....	1,200	1,000	175	2,375
4	John Yates.....	Cottage Grove..	250	500	350	1,100
5	James Yates.....	..do.....	200	500	300	1,000
6	S. J. Moore.....	..do.....	.....	200	.....	200
Totals.....			5,550	4,200	7,325	17,075
Totals—26 mines.....			398,653	1,290,381	793,643	2,482,677

Mines reported for 1907, 24.

New mines, 4.

Abandoned mines, 2.

Mines in 1908, 26.

Saline County—Tenth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$ 25,244	273,070	4,339	223	204	104	308							
218,910	205,898	37,335	237	155	87	242	2,140	2	17	3,079	U. C.	Pneu.	1
194,042	213,170	2,431	209	168	80	248	215,601	1	1	1,054	do.	do.	2
174,300	181,052	12,612	178	172	92	264		2	3	1,618	do.	do.	4
147,223	152,554	9,229	224	122	71	193		1	1	1,698	do.	do.	5
147,145	157,542	4,156	226	137	84	221		1	1	1,989	do.	do.	6
134,064	144,258	3,065	226	173	95	268	147,323	2	4	7,085	Solid	do.	7
135,222	138,984	1,988	246	150	77	227	56,901	1		428	Both	do.	8
114,367	121,966	3,712	226	120	66	186		1	2	2,076	U. C.	do.	9
112,890	120,643	3,412	231	115	59	174	124,055		1	5,443	Solid	do.	10
108,885	116,279	3,337	226	127	66	193	16,388		2	2,959	Both	do.	11
102,668	110,872	1,949	212	113	62	175	112,821			4,834	Solid	do.	12
107,691	110,586	1,704	246	89	39	118	112,290			6,242	do.	do.	13
92,430	93,975	2,307	233	70	39	109	534	1	1	1,309	U. C.	do.	14
83,335	89,226	2,351	206	88	46	134	91,577		1	3,290	Solid	do.	15
56,116	59,857	1,808	116	81	54	135		1	3	1,583	U. C.	do.	16
10,900	9,273	4,000	118	58	45	113	13,273			675	Solid	do.	17
8,000	4,500	3,500	213	15	14	29	1,000			200	Both	do.	18
231	190	41	41	20	13	33	231			12	Solid	do.	19
59,000	56,357	2,080	240	40	17	57	45,037	3		1,400	Both	do.	20
<b>\$2,032,663</b>	<b>2,360,252</b>	<b>105,350</b>	<b>204</b>	<b>2,217</b>	<b>1,210</b>	<b>3,427</b>	<b>939,171</b>	<b>17</b>	<b>38</b>	<b>49,054</b>			
\$16,500	10,000	200	8	8	8	10,000				50			1
2,880	2,400	105	4	4	4	2,400				60			2
2,850	2,375	160	4	4	4	2,375				60			3
1,650	1,100	150	3	3	3	1,100				20			4
1,500	1,000	125	2	2	2	1,000				15			5
250	200	75	2	2	2	200				2			6
<b>\$25,630</b>	<b>17,075</b>	<b>136</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>17,075</b>				<b>207</b>			
<b>\$2,058,293</b>	<b>2,360,252</b>	<b>122,425</b>	<b>204</b>	<b>2,217</b>	<b>1,210</b>	<b>3,427</b>	<b>956,246</b>	<b>17</b>	<b>38</b>	<b>49,261</b>			

## Williamson County—Tenth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Big Muddy Coal & Iron Co., No. 8.....	Clifford.....	229,627	48,562	135,520	413,709
2	Big Muddy Coal & Iron Co., No. 7.....	Herrin.....	173,915	50,658	187,942	412,495
3	Chicago & Cartersville, A.....	.do.....	14,072	139,353	255,722	409,147
4	Sunnyside Coal Co., No. 1.....	.do.....	39	177,311	220,175	397,525
5	Peabody Coal Co., No. 3.....	Marion.....	59,517	292,958	352,475	652,475
6	Johnson City Coal Co., No. 1.....	Johnston City.....	167,971	33,832	125,026	326,829
7	Chicago & Big Muddy Coal & Coke Co.....	Marion.....	14,979	48,702	187,177	250,858
8	Cartersville District Coal Co.....	.do.....	26,000	46,500	178,000	250,500
9	Western Coal & Mining Co., No. 1.....	Bush.....	140,479	31,366	66,774	238,619
10	Cartersville Coal Co., Burr C.....	Cartersville.....	17,040	35,250	164,844	217,134
11	Madison Coal Corporation, No. 8.....	Dewmaine.....	15,688	65,823	132,315	213,826
12	St. Louis-Cartersville Coal Co.....	Herrin.....	148,107	18,019	26,584	192,710
13	Peabody Coal Co., No. 2.....	Marion.....	46	22,069	115,115	137,230
14	Cartersville & Big Muddy, John.....	Cambria.....	9,336	42,204	59,807	111,347
15	Williamson County Coal Co.....	Johnston City.....	15,594	19,756	74,609	109,959
16	Hafer Washed Coal Co., No. 3.....	Cartersville.....		18,215	89,083	107,298
17	Consumers Coal & Mining Co., No. 2.....	Johnston City.....	59,056	8,267	33,842	101,165
18	Donaly & Koennecke Coal Co.....	Cartersville.....	17,268	19,215	63,234	99,717
19	Chicago & Cartersville Coal Co., B.....	Herrin.....	1,934	48,282	48,481	98,697
20	Madison Coal Corporation, No. 9.....	Cambria.....	45,851	21,669	28,481	96,001
21	Consumers Coal Co., No. 1.....	Johnston City.....	47,250	8,359	32,833	88,442
22	Chicago-Herrin Coal Co., No. 1.....	Herrin.....	8,255	23,249	53,967	85,471
23	Cartersville Mining Co., No. 2.....	Cartersville.....	2,089	13,063	57,166	72,318
24	Robert Dick Coal Co., Dick.....	Cambria.....	69,152			69,152
25	Cartersville Mining Co., No. 1.....	Cartersville.....	4,777	9,663	50,973	65,413
26	Cartersville & Herrin Coal Co., No. 1.....	Herrin.....	13,549	11,524	37,990	63,063
27	Cartersville Mining Co., No. 3.....	Cambria.....	922	21,079	34,301	56,302
28	Watson Coal Co., No. 2.....	Herrin.....	20,000	8,000	23,100	51,100
29	Watson Coal Co., No. 1.....	.do.....	10,000	5,000	28,250	43,250
30	West Virginia Coal Co.....	Marion.....	17,000	3,812	16,250	37,062
31	Colp Coal Co., Culp.....	.do.....	10,000			10,000
32	Scranton & Big Muddy Coal Co., No. 1.....	.do.....	5,412	623	2,653	8,688
33	Johnston City & St. Louis Coal Co., No. 1.....	Johnston City.....	2,505	1,030	2,011	5,546
34	Keystone-Big Muddy Coal Co.....	Marion.....	2,144	483	2,031	4,658
35	Big Muddy River Consolidated Coal Co., Oak Ridge.....	Johnston City.....	62,794			62,794
36	Big Muddy River Consolidated Coal Co., Hemlock.....	Herrin.....	54,865			54,865
Totals.....			1,427,716	1,060,435	2,827,214	5,315,365



Williamson County—Tenth District—Continued.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for balsting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$416,389	391,819	21,890	243	231	96	327	.....	.....	8	6,433	U. C.	Pneu.	1
414,017	388,991	23,504	230	228	134	362	412,495	2	1	14,329	Solid.	do.	2
412,054	363,729	45,418	233	250	158	408	24,845	.....	15	7,318	Both.	do.	3
401,525	374,168	23,357	219	257	114	371	287,712	.....	6	12,033	do.	do.	4
352,475	343,475	9,000	219	250	104	354	349,172	.....	1	12,307	do.	do.	5
294,853	323,829	3,000	240	225	81	306	326,829	2	5	11,400	Solid.	do.	6
248,612	244,122	6,736	208	182	82	264	250,858	.....	3	9,702	do.	do.	7
212,925	243,200	7,300	215	135	54	189	.....	.....	.....	3,050	do.	do.	8
203,018	223,129	15,490	237	160	111	271	228,619	.....	7	11,060	do.	do.	9
195,420	210,632	6,502	178	157	100	257	217,134	.....	.....	7,659	do.	do.	10
223,826	181,708	32,118	144	230	120	350	211,326	1	3	7,392	Both.	do.	11
173,489	189,451	3,259	214	162	63	225	192,710	.....	1	7,300	Solid.	do.	12
137,230	130,795	6,435	165	129	71	200	105,309	2	.....	4,139	Both.	do.	13
124,708	104,132	7,215	168	115	65	180	111,347	.....	2	4,232	Solid.	do.	14
109,959	107,540	2,419	188	112	55	167	109,959	1	2	4,298	do.	do.	15
85,838	104,674	2,624	115	90	44	134	107,298	1	2	4,371	do.	do.	16
101,165	97,165	4,000	112	110	65	175	33,720	.....	.....	2,154	Both.	do.	17
99,717	91,671	8,046	171	90	46	136	99,717	.....	1	3,931	Solid.	do.	18
98,697	94,989	3,708	227	94	47	141	98,697	.....	5	4,263	do.	do.	19
96,001	93,315	2,686	149	110	30	140	96,001	.....	1	3,870	do.	do.	20
88,442	84,442	4,000	115	100	54	154	88,442	.....	1	3,760	do.	do.	21
85,471	75,553	9,918	114	102	47	149	85,471	.....	.....	2,844	do.	do.	22
72,318	68,527	3,791	139	62	28	90	72,318	.....	.....	3,208	Solid.	do.	23
80,000	67,452	1,700	124	85	36	121	69,152	.....	.....	2,505	do.	do.	24
65,413	64,036	1,377	130	61	34	95	65,413	1	3	2,498	do.	do.	25
63,063	60,769	2,294	153	77	21	98	63,063	.....	.....	2,777	do.	do.	26
56,302	52,038	4,264	173	52	36	88	56,302	1	.....	2,159	do.	do.	27
43,735	50,200	900	135	52	13	65	51,100	.....	.....	3,420	do.	do.	28
36,762	39,000	4,250	120	40	16	56	43,250	.....	.....	3,000	do.	do.	29
33,355	37,062	.....	175	60	12	72	.....	.....	.....	540	U. C.	do.	30
9,000	8,700	1,300	70	25	7	32	10,000	.....	.....	.....	do.	do.	31
7,359	7,531	1,157	157	31	24	55	405	.....	.....	156	do.	do.	32
5,546	1,505	4,041	182	8	6	14	5,546	1	3	220	do.	do.	33
4,658	4,375	283	98	7	10	17	.....	.....	.....	75	do.	do.	34
62,000	62,794	.....	250	95	13	108	.....	2	.....	4,500	do.	do.	35
50,000	54,865	.....	268	85	20	105	54,865	.....	.....	4,000	do.	do.	36
<b>\$5,165,292</b>	<b>5,041,383</b>	<b>273,982</b>	<b>174</b>	<b>4,259</b>	<b>2,017</b>	<b>6,276</b>	<b>3,989,075</b>	<b>14</b>	<b>70</b>	<b>176,953</b>			

## Williamson County—Tenth District—Concluded.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	George Beltz.....	Carterville.....	25,000	500	750	26,250
2	J. S. McNeil.....	do.....	4,000	3,000	1,000	8,000
3	Rinkly & Miles.....	Marion.....	4,500			4,500
4	Price & McCawn.....	do.....	500	1,000	1,000	2,500
5	John A. Young.....	Carterville.....		2,314		2,314
6	L. A. Woodbridge.....	Marion.....	400	1,000	600	2,000
7	Spiller & Whitcotton.....	Carterville.....	19	1,300	662	1,981
8	E. E. Ensminger.....	Crab Orchard.....	320	1,080	200	1,600
9	J. W. Engram.....	Marion.....	468	624	156	1,248
10	Thos. McKenzer.....	Crab Orchard.....		760	80	840
11	George A. Phillips.....	Cambria.....		533	9	542
	Totals.....		35,207	12,111	4,457	51,775
	Totals—47 mines.....		1,462,923	1,072,546	2,831,671	5,367,140

Mines reported for 1907, 46.  
 New mines, 7.  
 Abandoned mines, 6.  
 Mines in 1905, 47.

Williamson County—Tenth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employés.	Total.		Killed.	Injured.				
\$26,250	.....	26,250	300	3	2	5	26,250	.....	.....	100	.....	.....	1
6,000	.....	8,000	275	3	2	10	8,000	.....	.....	150	.....	.....	2
5,625	.....	4,500	175	3	.....	3	4,500	.....	.....	75	.....	.....	3
3,125	.....	2,500	170	3	.....	3	2,500	.....	.....	50	.....	.....	4
3,471	.....	2,314	175	4	.....	4	2,314	.....	.....	125	.....	.....	5
2,500	.....	2,000	200	4	.....	4	2,000	.....	.....	136	.....	.....	6
1,683	.....	1,981	200	5	.....	5	1,981	.....	.....	46	.....	.....	7
1,600	.....	1,600	120	5	.....	5	1,600	.....	.....	65	.....	.....	8
1,268	.....	1,248	150	9	.....	9	1,248	.....	.....	100	.....	.....	9
840	.....	840	85	3	.....	3	840	.....	.....	40	.....	.....	10
813	.....	542	150	2	.....	2	542	.....	.....	76	.....	.....	11
<b>\$53,175</b>	<b>.....</b>	<b>51,775</b>	<b>173</b>	<b>49</b>	<b>4</b>	<b>53</b>	<b>51,775</b>	<b>.....</b>	<b>.....</b>	<b>903</b>	<b>.....</b>	<b>.....</b>	
<b>5,218,467</b>	<b>5,041,383</b>	<b>325,757</b>	<b>.....</b>	<b>4,308</b>	<b>2,021</b>	<b>6,329</b>	<b>3,990,850</b>	<b>14</b>	<b>70</b>	<b>177,856</b>	<b>.....</b>	<b>.....</b>	

## Shipping Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Gallatin.....	1	3,676	21,017	.....	17,516	8,757	1,578	52,544	\$0.90
Jackson.....	11	118,083	190,238	66,917	86,736	113,497	40,767	616,238	1.19
Saline.....	20	393,103	1,286,181	33,271	83,983	662,166	6,898	2,465,602	0.824
Williamson.....	36	1,427,716	1,060,435	526,548	1,062,193	839,122	399,351	5,315,365	0.97
Total.....	68	1,942,578	2,557,871	626,736	1,250,428	1,623,542	448,594	8,449,749	\$0.943

## Local Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Gallatin.....	8	6,125	13,221	.....	3,232	.....	200	22,778	\$1.795
Jackson.....	12	14,985	3,840	.....	2,027	.....	.....	20,852	1.19
Johnson.....	2	.....	2,836	.....	60	.....	.....	2,896	1.50
Saline.....	6	5,550	4,200	.....	7,025	.....	300	17,075	1.50
Williamson.....	11	35,207	12,111	750	2,695	.....	1,012	51,775	1.03
Total.....	39	61,867	36,208	750	15,039	.....	1,512	115,376	\$1.39
Grand total.....	107	2,004,445	2,594,079	627,486	1,265,467	1,623,542	450,106	8,565,125	.....

Whole number of mines reported for 1907, 100.  
 Number of new mines opened during the year, 17.  
 Number of mines abandoned during the year, 10.  
 Whole number of mines reported for 1903, 107.

Counties—Tenth District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.					Tons mined—By hand.	Powder.—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.			From solid—Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.							
43,089	9,455	176	71	.....	.....	10	81	52,544	214	52,544	.....	.....
460,763	155,475	150	617	282	44	171	1,114	242,064	10,164	194,943	421,295	.....
2,360,252	105,350	204	2,217	889	35	286	3,427	939,171	49,054	601,507	1,537,076	327,019
5,041,383	273,982	174	4,259	1,211	159	647	6,276	3,939,075	176,953	3,106,648	597,322	1,611,395
7,905,487	544,262	179	7,164	2,382	238	1,114	10,898	5,172,854	236,385	3,955,642	2,555,693	1,938,414

Counties—Tenth District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.					Tons mined—By hand.	Powder.—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.			From solid—Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.							
.....	22,778	135	30	.....	.....	.....	30	22,778	852	22,778	.....	.....
.....	20,852	.....	27	12	.....	12	31	20,852	676	20,852	.....	.....
.....	2,896	139	8	.....	.....	.....	8	2,896	65	2,896	.....	.....
.....	17,075	136	23	.....	.....	.....	23	17,075	207	17,075	.....	.....
.....	51,775	173	49	2	.....	2	53	51,775	903	51,775	.....	.....
.....	115,376	151	137	14	.....	14	165	115,376	2,703	115,376	.....	.....
7,905,487	659,638	.....	7,301	2,396	238	1,128	11,063	5,288,230	239,088	4,071,018	2,555,693	1,938,414



## MINE MANAGERS HOLDING CERTIFICATES OF COMPETENCY.

NOTE—This list includes all the mine managers to whom certificates have been issued prior to January 1, 1908.

The names which are printed in *italic* are those who hold both certificates of service and subsequent certificates of competency acquired through examination.

The names which are followed by the abbreviation "ex." are those who have exchanged certificates of service for those of competency, without examination, under the provisions of the amendment of 1895. Names followed by the letter "d" are deceased.

The postoffice addresses here given, and in all the lists following, are those recorded at the time the certificates were issued, and in many cases are not the present addresses of the certificate holders.

Name.	Postoffice.	Name.	Postoffice.
<i>Adams, Charles L.</i> .....	Rosboro .....	Baker, Charles .....	Centralia .....
Adams, J. M. ....	Wanlock .....	Baker, Gustav .....	Streator .....
Adams, Horace L. ....	Staunton .....	<i>Baker, Samuel G.</i> .....	Auburn .....
Ainsworth, Samuel (d) .....	Taylorville .....	Back, Thomas .....	Mapleton .....
Ainsworth, Samuel, Jr. ....	Taylorville .....	Bailey, William .....	Athens .....
Ainsworth, Thomas .....	Taylorville .....	Bailey, Joseph .....	Duquoin .....
Aitken, James .....	Streator .....	Baird, J. D. ....	Westville .....
Alexander, J. ....	Collinsville .....	Ball, Edward .....	Bartonville .....
Allen, Fred .....	Staunton .....	Barlow, Henry .....	Coffeen .....
Allen, David T. ....	LaSalle .....	Barlow, John W. ....	Johnston City .....
<i>Amberger, Joseph.</i> .....	Glen Carbon .....	Barnes, James .....	Braidwood .....
Amerson, Wm. A. ....	Moweaqua .....	Barnett, Oliver .....	Bryant .....
Anderson, Alexander .....	Danville .....	Baratt, John C. ....	Duquoin .....
Anderson, W. C. ....	Elmwood .....	Barron, James, ex .....	Cantrall .....
Anderson, George .....	Streator .....		
Anderson, James .....	Ladd .....	Bambrough, G. N. ....	Springfield .....
Anderson, James C. ....	Streator .....	Barrowman, William T. ....	DeSoto .....
Anderson, John M. ....	Streator .....	Bartlett, Thomas, ex .....	Cuba .....
Anderson, James .....	Kewanee .....	<i>Bashonq, Andrew.</i> .....	Danville .....
<i>Andreas, Aug.</i> .....	Belleville .....	<i>Barwell, John.</i> .....	Marrissa .....
<i>Angel, Hiram.</i> .....	Belleville .....	Basso, Joseph .....	Athens .....
Angell, Charles .....	Belleville .....	<i>Bates, W. H.</i> .....	Winchester .....
Applett, William R. ....	Springfield .....	Bates, R. D. ....	Winchester .....
Appleby, John E. ....	Peoria .....	Bauder, Fred .....	Herrin .....
Argyle, Joseph .....	Coal City .....	Baumer, Fred .....	Marquette .....
Atkinson, Edward .....	Streator .....	Bauer, Valentine .....	Clyde .....
<i>Atkinson, E. Lee.</i> .....	Streator .....	Baxter, William (d) .....	Ladd .....
Atkinson, J. G. ....	Pekin .....	Baywill, George .....	Johnston City .....
Atkinson, William (d) .....	Murphysboro .....	Beaghan, Peter .....	Cantrall .....
Atkinson, William .....	Braceville .....	<i>Beattie, Richard.</i> .....	Murphysboro .....
Armstrong, Thomas J. ....	Spring Valley .....	Beattie, John .....	Danville .....
Armstrong, William C. ....	Marion .....	Beatty, James .....	Mascoutah .....
Archer, John .....	Barclay .....	Beatty, James H. ....	Mascoutah .....
Ash, T. G. ....	Girard .....	Beatty, Nephi .....	Mascoutah .....
Aston, Huber, ex. ....	Fairmount .....	Becker, Henry .....	Peoria .....
Archibald, David .....	Freeburg .....	Becker, Peter .....	Petersburg .....
Avery, William .....	Belleville .....	Becker, F. W. ....	Pinckneyville .....
Ax, John .....	Edwardsville .....	Becker, Charles .....	Staunton .....
<i>Azford, Thomas.</i> .....	Petersburg .....	Beckman, Theodore .....	Glen Carbon .....

## Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Beese, John	O'Fallon	Bundy, John	Streator
Beese, Charles A.	Belleville	Burdett, J. P.	Colchester
Beese, John	Birkner	Burris, William S.	Gillespie
Beggs, David W.	Marquette	<i>Bushong, Frank O.</i>	Catlin
Beharrelle, Fred	Orchard Mines	Butzke, Frank	Springfield
Bell, Richard	Gillespie	Burke, George, ex.	Peru
Bell, William	Streator	Burkhardt, John B.	Mt. Olive
Belger, John	Nilwood		
Beltz, Andrew	Harrisburg		
Bengston, John A., ex.	Galva	Cadmus, George T.	Lebanon
Bennett, James	Odin	Callear, Isaac	Pottstown
Bennett, John (d)	Centralia	Cameron, David J.	Pana
Berkstresser, W. A.	Duquoin	Cameron, D. S., ex.	Sorento
Berry, Jessair	Greenview	Campbell, William	Sandoval
Betts, Joseph E.	Belleville	Campbell, Edward	Greenview
<i>Betts, Charles C.</i>	Duquoin	Campbell, Frank J.	Athens
Bevard, John J.	Kilmundy	Campbell, Thomas N. (d)	Pinckneyville
Bevard, F. C.	Carterville	Campbell, H. J.	Assumption
Benvon, J. G.	Belleville	Campbell, R. W.	Decatur
Beveridge, David	Sorento	Campbell, William A.	Seatonville
Beggs, Samuel, ex.	Clark City	Canfield, R. A.	Madisonville, Ky.
Beyer, Curt	Mt. Olive	<i>Cannon, John</i>	Marquette
Biggins, James	Sorento	Carldwell, Elliott	Zeigler
Bingham, Robert	O'Fallon	Carraher, Thomas	O'Fallon
Bird, George	Coffeen	Carroll, A. W.	Gillespie
Birtin, Henry	Pana	Carlson, Andrew	Colfax
Birtley, William P.	Springfield	Carson, J. H.	O'Fallon
Blair, Gus	Murphysboro	Carson, Charles W.	Wolcott
Blair, Herbert	Divernon	Carter, Charles	Birkner
Blankenship, William F.	East Peoria	Carter, George	Birkner
<i>Blenkinsopp, Thomas N.</i>	Cable	Cartledge, Oscar	Gillespie
Bolt, Martin	Springfield	Carroll, John (d)	O'Fallon
Bobell, Louis	Mt. Pulaski	Caarylon, J.	Oglesby
Boetticher, F. J.	Braidwood	<i>Casey, James F.</i>	Selytown
Borrowman, George S.	Cliford	Cashen, W. P.	Williamsville
Boston, G. W.	Athens	Catheart, Matthew, ex.	Tilden
Boston, James	Murphysboro	Center, George H.	Halidayboro
Boston, John W.	Duquoin	Chalderton, John	Lanz Station
Bottomly, Edward	Tallula	<i>Chambers, William</i>	Spaulding
Bottomly, John	Oglesby	Chambers, George W.	Nokomis
Bowen, M. I.	Oglesby	Champe, William	Coffeen
Bowers, Robert	Staunton	Charnock, James	Decatur
Bowie, James	Wenona	<i>Charlton, George R.</i>	Greenview
Bowie, George	Braidwood	Cherry, John T.	Seatonville
Bowie, Robert	Johnston City	Cherry, James	Seatonville
Boyer, Ja. A.	Braidwood	Cherry, W. S.	Streator
<i>Bracken, James A.</i>	Fairmount	Chere, George	Pleasant Plains
Bradenberger, F.	Greenview	Checklin, David	Reed City
Breeze, John A.	Belleville	<i>Chambers, William</i>	Spaulding
Brennan, John I.	Taylorville	Chambers, George W.	Nokomis
Brennan, Patrick	Virden	Champe, William	Coffeen
<i>Brennan, George</i>	Toluca	Chivers, Joseph	Braceville
Brenanmen, William	Belleville	<i>Connolly, Terrance J.</i>	Assumption
Breen, John P.	Springfield	<i>Christie, David</i>	Murphysboro
Brinley, William R.	Springfield	Church, Henry M.	Marissa
Brockhouse, Samuel	Westville	Churchill, William E.	Virden
Brigham, William	Caseyville	Clark, Martin	Collinsville
Brooks, Peter (d)	Marissa	<i>Clark, Edward</i>	Decatur
Browitt, Andrew	Taylorville	Clark, Quinton	Decatur
Browitt, Benjamin	Bush	Clark, Thomas	Braidwood
<i>Brown, Andrew</i>	Braidwood	Clark, John	Decatur
Brown, John	Staunton	Clark, Walter J.	Collinsville
Brown, John	Glen Carbon	Claunch, Marion	Harrisburg
Brown, John K.	Braidwood	Clayton, Frank	Troy
Brown, Thomas Manhall	Pinckneyville	Clelland, Robert	Braidwood
Brown, William J.	Coal City	Clifford, Michael J.	Kewanee
Brown, William F.	Pontiac	Coar, Firman	Worden
Brown, James B.	Murphysboro	Coleman, Mont. S.	Virden
Brown, F. M.	Farmington	<i>Collier, Frank J.</i>	Bartonville
Brown, Leslie	Peoria	Collins, Richard J., ex.	O'Fallon
Browning, J. M.	Duquoin	Combs, James W.	Kewanee
Brueckner, Emil	Staunton	<i>Comford, L.</i>	Cantrall
Brueggeman, George	Belleville	Condie, Malcolm	Spring Valley
Bulmer, John, ex.	St. John	Conity, Patrick	Duquoin
Bulmer, Benjamin	Muddy Valley	<i>Cooper, Charles</i>	Nilwood



## Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Cook, Robinson	Riverton	Devlin, Henry	Toluca
Cook, William	Peoria	Devlin, Thomas H	Spring Valley
Cook, William	Duquoin	Devlin, Francis I.	So. Wilmington
Cokeley, Thomas E.	Harrisburg	Diamond, Peter	Duquoin
Cox, Walter E.	Danville	Dick, Robert	Duquoin
Condon, Charles H.	Hanna Cit	Dickerson, James E.	Belleville
Connors, William	Toluca	Dickerson, J. L.	Danville
Connell, Nicol E.	Peoria	Dickerson, Thomas F.	Norris
Conrad, William	Springfield	Dickinson, William T.	Athens
Considine, John	Belleville	Dillon, James	Braidwood
Cosgrove, Bernard	Sparta	Dodd, William (d)	Cable
Costella, Henry (d)	Pana	Dodge, H. N.	St. David
Castor, George	Grape Creek	Donahoe, James	Carterville
Corcoran, Charles	Murphysboro	Donaldson, William	Kangley
Corrigan, James	Marseilles	Donaldson, James W.	Peoria
Courtney, James D.	Westville	Donaldson, John A.	Himrod
Cowell, William	Assumption	Donnelly, James	Carterville
Cox, Eugene	Centralia	Dooley, Harry	Springfield
Craine, John E.	Murphysboro	Dooner, P. J.	Glenburn
Craine, B. S.	Murphysboro	Donnelly, P. H.	Chicago
Crane, Roy E.	Tomaroa	Donnelly, Henry	Braidwood
Crampton, Edward	Murphysboro	Doughty, James	Danville
Crauch, J. E.	Virden	Dougherty, Daniel	Virginia
Crankshaw, Thomas	Decatur	Dougherty, Thomas	Marion
Crankshaw, William	Decatur	Dowell, Thomas	Muddy Valley
Chrichton, Lawson	Taylorville	Downing, Timothy	Briar Bluff
Crighton, Robert	Chenoa	Drake, George	Streator
Criswell, John L.	Nokomis	Dubois, James	Witt
Crowder, Richard A.	Moccasin	Ducas, J.	Grape Creek
Cruikshanks, John	Farmington	Duddy, John	Pana
Cruikshanks, Walter E.	East Peoria	Dudek, John	Kinmundy
Cruikshanks, William	Middle Grove	Duffner, J. W.	Belleville
Cryer, James T.	Spring Valley	Duncan, Charles	Streator
Cumming, Ambrose B.	Spartanland	Duncan, John C.	Murphysboro
Cumming, James P.	Spartanland	Dunn, James	Collinsville
Cumming, John P.	Braceville	Dunniagan, Virgil B.	Virden
Cumming, Thomas S.	Gardner	Dunnigan, Oscar	Virden
Cumming, D. H.	Gardner	Dunham, John F., (d)	Springfield
Cunningham, Thomas	Girard	Dunlop, John	Odin
Cunningham, Cormick (d)	Springfield	Durkin, Michael	Sunfield
Cunningham, David	Gillespie		
Currie, Adam	LaSalle		
		Eadie, John	Sherman
Daenzer, Anton	Belleville	Earl, William	Braidwood
Daid, Dave M.	Edwardsville	Eaton, A. C.	Zeigler
Dale, Henry	Murphysboro	Eccles, John	Salem
Dale, John	Fredonia	Edgar, William	Herrin
Daniels, James	Belleville	Edwards, S. E.	Centralia
Daniels, Samuel	Belleville	Edwards, Thomas	Springfield
Daniels, Alexander	Henry	Edmunds, Morgan	Mt. Olive
Daniels, Joel S.	Belleville	Ehret, Frank A.	Wesley
Danny, William	Lincoln	Eller, William	Edwardsville
Daezner, Arthur J.	Glen Carbon	Ellington, Jacob	Dewmaine
Davis, Caleb	Collinsville	Emery, Charles	Breese
Davis, J. H.	Cuba	Emery, Joseph	Belleville
Davis, Thomas	Dunfermline	English, Thomas	Streator
Davis, Thomas M.	Virden	Erwin, William	Belleville
Davis, P. J.	Percy	Essex, George W.	Soperville
Davis, William	Litchfield	Eubanks, Edward	Halidayboro
Davis, Rees P.	Springfield	Evans, George	Lincoln
Davis, William H.	Streator	Evans, Edward J.	Glassford
Davison, Matt	Duquoin	Evans, Harry M.	Harrisburg
Davison, James	Sparta	Evans, John Nine, ex	LaSalle
Davidson, Forest	Sandoval	Evans, John O., ex	O'Fallon
Davenport, John	Harrisburg	Evans, John	Bissel
Dawkins, William E.	Belleville	Evans, Albert E.	Streator
Dawson, Daniel	Campbell Hill	Evans, William	Norris
Dawson, Richard	Athens	Evans, William H.	Harrisburg
Dayton, John	Pekin	Evans, John O., Jr	Caseyville
Deans, Henry	Percy		
Deaton, Abraham L.	Middletown	Fagan, Michael	Spring Valley
Deeney, George H.	Farmington	Fagan, Patrick T. (d)	Decatur
Denny, John L.	Springfield	Fanke, Anton	O'Fallon
Denny, Lawrence	Springfield	Fairbairn, Thomas	Streator

## Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Fairbairn, Joseph W	Streator	Gose, Robert	Streator
Fairlie, James	Gilchrist	Goodall, George	Assumption
Falcoett, John B	Glen Carbon	<i>Goodwin, Robert A</i>	Pontiac
Falconer, George P	Belleville	Gordon, Ephraim G	Wanlock
Farnsworth, Lawrence, ex	Barclay	Grabuck, Emil T	Stanton
<i>Farnsworth, Thomas J</i>	Spaulding	Grabuck, R H	Stanton
Felker, John	Danville	Graham, Hiram	Virden
Fellows, Edward	Streator	Graham, John W	Dunfermline
Ferguson, John	Reed City	Graham, Louis A	Jacksonville
Ferguson, Walter	Braidwood	Graham, William	Virden
Ferguson, William	Duquoin	Graham, David L	Springfield
Ficker, A. W	Worden	Graham, John (d)	Marion
Finrock, M. M	Pana	Granell, Ira	Herrin
Fisher, Stephen	Gillespie	Grant, Peter, Jr	Peoria
Flavel, Jonah	Duquoin	Gratz, Gottlieb	Hornsby
Fleming, James	Decatur	<i>Grumlich, Fred W</i>	Belleville
Fleming, Jacob	Kewanee	Grumlich, Jul. M.	Belleville
Fleming, Robert	Carbon Hill	Gray, Thomas R	Springfield
Flesher, Andrew	Taylorville	Gray, Peter	Pana
Fletcher, John	LaSalle	Green, Arthur	Brazeville
Fletcher, John J	Collinsville	Green, Thomas, H	Springfield
Fletcher, T. C	Collinsville	Green, W. H	Belleville
Fletcher, William	Collinsville	Green, Joseph, ex	Marissa
<i>Flood, John</i>	Spring Valley	Green, John W	Springfield
Flynn, Edward	Duquoin	Green, John	Belleville
Flynn, William	Willisville	<i>Green, Robert</i>	Springfield
Flynn, William H	Cartersville	Greenwood, John R	Edinburg
Flynn, John	Willisville	<i>Greenwood, Robert</i>	Duquoin
Foley, George, ex	LaSalle	Grieve, Peter	Collinsville
Foley, W. E.	Mapleton	Grieve, Peter, Jr	Collinsville
<i>Foley, Arthur C</i>	Auburn	Grieve, Peter	Belleville
<i>Forsythe, Peter</i>	Centralia	Grieve, Jesse	Belleville
Forsythe, Robert	Murphysboro	Griffin, John	Cantrall
Foster, William	Lincoln	Grinrod, William E	Belleville
Foster, James	Marion	Groon, John	Belleville
Fohl, Bernard, ex	Belleville	Grosspich, August	Belleville
Fox, John	Etherley	Guest, Joseph, ex	Belleville
Francis, T. L	Braidwood	Guest, John	Belleville
Frazeo, William H	Danville	Guiney, Martin G	Marion
<i>Franklin, Bernard</i>	Lincoln	Guiney, James T	Braidwood
Frankovich, Joseph	Kangley	Guthrie, Farquhar M	Gilchrist
Frew, Archibald	Moweaqua		
Freer, James	Peoria		
Fremgen, Casper	Edwardsville	Haddick, John, Jr	Cable
Friska, Jan	Edwardsville	Haddick, William, ex	Sherrard
Fritz, William, ex	Breese	Haddow, Thomas	Pana
Fulton, David	Johnston City	Hagerton, Joseph	St. John
		Haile, George	Ladd
		Hall, John	Sherrard
Gaffigan, Michael	Petersburg	Hallemmner, Julius, ex	Golden Eagle
Gaffigan, Patrick J	Springfield	Hall, Matthew	Brazeville
Galbraith, George	Tamara	Hall, Albert	Herrin
Garrity, John	Riverton	Hainsel, Daniel	Lenzburg
Gaul, Henry J	Ridge Prairie	Halbert, J. A	Westville
Gavin, Barney	Springfield	Halbert, W. S.	Westville
Geisler, Ernest	Golden Eagle	Hamilton, Thomas	Nashville
Gell, Philip	Gilchrist	Hansom, Sharp	Witt
Geret, Albert C	Stanton	Handwright, James	Virden
Gettleman, L. A.	Centralia	Hanley, John H	Springfield
Gibson, Michael	Spring Valley	Hannah, Thomas	Iles Junction
Gigley, J. F.	Peoria	Hardin, Joseph H	Vandercook
<i>Gibert, Edward</i>	Niantic	Hardin, Hiram H	Raymond
Gile, William	Gillespie	Harding, Enos	Birkner
Gilchrist, John W	Gilchrist	Harding, Thomas F	Danville
Gilchrist, H. M.	Gilchrist	Harding, William F	Lebanon
Glass, William H	Pana	Hachat, Joseph	Blue Mound
Gluck, Leo	Spring Valley	Hardy, Rufus E.	Murphysboro
Goalby, John F	Gillespie	Harkes, William	Coal City
Goddard, Benjamin B.	Duquoin	Harper, William J	Springfield
Goddard, William	Duquoin	Harper, John	Colchester
Goddard, W. H.	Herrin	Harriman, John	Peoria
<i>Godher, William</i>	Cuba	Harris, Tom	Mulkeytown
<i>Golden, George</i>	Springfield	Harris, James S	DuBois
Golden, William D	Springfield	<i>Harrison, Ernest</i>	Streator
Gorsuch, R. H.	Springfield	Harrison, John	Virden

## Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Harrison, John, ex.....	Odin.....	Humphreys, Edward.....	Murphysboro.....
Harrison, William.....	Murphysboro.....	Hunter, Ralph.....	Colchester.....
Harrison, James.....	Athens.....	Hunt, Albert J.....	Edwards.....
Harrop, James T.....	Seatonville.....	Hutton, James, ex.....	Tallula.....
Hartman, Frank, ex.....	Murphysboro.....		
Hartman, William.....	Freeburg.....	Iberson, James.....	Athens.....
Haselton, F. D.....	Spaulding.....	Irwin, James M.....	Pontiac.....
Haskins, George H.....	Grape Creek.....	Issinghaus, William.....	Lebanon.....
Haskins, Joseph.....	Grape Creek.....	Izat, William.....	Litchfield.....
Hauck, Fred.....	Glen Carbon.....		
Hawkins, Sidney.....	Belleville.....	Jackson, George W.....	Cable.....
Haydon, J. S.....	Springfield.....	Jackson, E. W.....	Christopher.....
Hayes, Webster.....	Edwardsville.....	Jacobson, Charles P.....	St. David.....
Heyes, Henry.....	Streator.....	Jackson, D. P.....	Livingston.....
Hebenstreit, Bruno (d).....	Staunton.....	James, John.....	Mt. Olive.....
Hebenstreit, E. W.....	Staunton.....	James, Johan.....	Grape Creek.....
Hebenstreit, T. G.....	Staunton.....	Jaques, William.....	Belleville.....
Hebenstreit, J. P.....	Staunton.....	Jaques, Charles.....	Johnston City.....
Heffington, W. J.....	Coulterville.....	Jaques, Richard.....	Belleville.....
Heintle, Walter.....	DeSoto.....	Jefford, R. H.....	Kingston Mines.....
Heist Theo.....	Mt. Olive.....	Jefford, Thomas H., ex.....	Kingston.....
Heilrich, Henry.....	Rentchler.....	Jeffrey, Peter.....	Carterville.....
Henderson, Edward.....	Springfield.....	Jefries, John E.....	Muncie.....
Henderson, Joseph.....	Coal City.....	Jenkins, Alexander.....	Dunfermline.....
Henderson, J. D.....	Herrin.....	Jenkins, David.....	South Danville.....
Henderson, Thomas.....	Marissa.....	Jenkins, Douglas.....	Edwardsville.....
Hendricks, Charles W.....	Belleville.....	Jenkins, Thomas C.....	Murphysboro.....
Henley, J. H.....	New Athens.....	Jenkins, J. A.....	Dunfermline.....
Henley, Richard.....	Niantic.....	Jenkins, John L.....	Fairbury.....
Heppard, George.....	Tilden.....	Jenkins, T. E.....	Danville.....
Hemmorsbach, Peter.....	Farmington.....	Jerrimah, William M.....	Duquoin.....
Helm, Guido.....	Mt. Olive.....	Jerrill, John W.....	Equality.....
Henry, Frederick.....	Kewanee.....	John, Evan D.....	Spaulding.....
Henry, John T.....	Pontiac.....	Johnson, Andrew.....	Nashville.....
Henry, Philip.....	Kewanee.....	Johnson, William.....	Danville.....
Heriot, James (d).....	Spring Valley.....	Johnson, James.....	Pineknayville.....
Heron, George.....	DeSoto.....	Johnston, Cochran (d).....	Spring Valley.....
Herb, George C.....	Belleville.....	Johnston, Samuel.....	Oglesby.....
Herz, William.....	Glen Carbon.....	Johnson, Nels.....	West Frankfort.....
Hetherington, Benj. M.....	LaSalle.....	Johnson, Peter J.....	Pekin.....
Hexter, John.....	Freeburg.....	Johnston, William.....	Marion.....
Hibberd, George.....	Peoria.....	Johnston, William.....	Elmwood.....
Hickey, John.....	Springfield.....	Jolly, Thomas F. (d).....	Collinsville.....
Hicks, Richard J.....	Sherrard.....	Jones, Charles.....	Marissa.....
Higbee, A. W.....	Wyoming.....	Jones, Thomas.....	Taylorville.....
Higbee, James.....	Wyoming.....	Jones, Thomas.....	Westville.....
Hill, Marshall.....	Carterville.....	Jones, David.....	Marissa.....
Hill, Peter.....	Hillsboro.....	Jones, D. L.....	Taylorville.....
Hillard, Edward.....	Colchester.....	Jones, John T.....	Lebanon.....
Hind, John A.....	Moline.....	Jones, Edward.....	Oglesby.....
Hindson, Harvey.....	Canton.....	Jones, Harry D.....	Riverton.....
Hines, John.....	Mt. Pulaski.....	Jones, John H.....	Duquoin.....
Hippard, William J.....	Belleville.....	Jones, Logan.....	Marissa.....
Hissong, Charles.....	Tilden.....	Jones, Robert R.....	Oglesby.....
Hoffman, John.....	Duquoin.....	Jones, T. L.....	Ladd.....
Holmes, Thomas F.....	Lincoln.....	Jones, William.....	Marissa.....
Horning, Charles A.....	Harrisburg.....	Jones, William E.....	Sheffield.....
Houstan, Robert.....	Percy.....	Jones, William E.....	Wesley City.....
Houston, Robert J.....	Duquoin.....	Jones, William M.....	Tamaroa.....
Howell, Thomas H.....	Duquoin.....	Jones, David W.....	Auburn.....
Howell, D. J.....	Duquoin.....	Jordau, Robert (d).....	Streator.....
Howell, John.....	Herrin.....		
Howells, Eben (d).....	Braceville.....	Kahle, Joseph.....	Coulterville.....
Howells, T. J.....	Duquoin.....	Kaiser, Frank.....	Belleville.....
Hoye, James.....	Braidwood.....	Kane, Charles H.....	Dunfermline.....
Hoye, William.....	Braidwood.....	Kane, John M.....	Springfield.....
Hoddy, T. H.....	Staunton.....	Kaney, John M.....	Centralia.....
Hood, John.....	Duverno.....	Kay John.....	Pawnee.....
Hudson, Thomas.....	Etherly.....	Kay, James.....	Sherrard.....
Hughes, James.....	Braidwood.....	Kay, George.....	Westfield.....
Hughes, John W.....	Braidwood.....	Karral, Charles.....	Westville.....
Hughes, Hugh J.....	Pana.....	Karrall, Edgar (d).....	Braceville.....
Hughes, John J.....	Litchfield.....		
Humme, J. A.....	Hillary.....		
Hummert, Henry.....	Breese.....		

## Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Kasher, Thomas	Braidwood	Lindsay, Robert	Springfield
Keating, James A.	Streator	Lindsay, George	Christopher
Keay, A. H. S.	Seatonville	Linsky, P. J.	Braidwood
Keay, John (d.)	Springfield	Lister, James H.	Peters Station
Keefe, Edward	Colfax	Little, Peter	Peoria
Keefe, William	Danville	Little, Thomas	Summerfield
Kell, Matthew	Dubois	Little, William	Herrin
Kell, Peter	Dubois	<i>Lively, Robert</i>	Marissa
Kelley Bernard	Litchfield	Lloyd, David J.	Edinburg
Kelley, D. J.	Carbon Hill	Lloyd, Rowland R.	Barclay
Kelley, Frank S.	Centralia	Lloyd, John E.	Danville
Kelley, Joseph G., ex.	Braidwood	Lloyd, Thomas	Rentchler
Kelley, Robert D.	Carbon Hill	Lloyd, Thomas	Wanlock
Kelley, J. D., Sr.	Carbon Hill	Lockard, Marcus J.	Tower Hill
Kuepper, Henry	Gillespie	Loeffler, Anton	LaSalle
Kennedy, J. W.	Pana	Lord, John S.	Springfield
Kennedy, Thomas	Springfield	Lord, Henry L.	Virden
Kerr, John	Rushville	Love, William	Sherman
Kidd, Alexander	Oglesby	Love, John W.	Carbon Hill
Kidd, Andrew	Oglesby	Lowery, Frank	Orchard Mines
Kidd, W.	Ridge Prairie	Lumaghi, Joseph	Collinsville
<i>Kidd, Eugene</i>	Ridge Prairie	Lumaghi, Louis F.	Collinsville
Kidd, William	Hillsboro		
Kienbush, David	Edwards Station		
Killingsworth, C.	Pinckneyville	Macke, P. H.	Ledford
Killian, Charles J.	Belleville	Malcor, Henry	Riverton
Kimmel, Theodore	Hallidayboro	Malcolm, William J.	Braceville
Kincaid, Lee	Athens	Malloy, Henry E (d.)	Decatur
Kirby, James	Athens	Mallon, Harry	Springfield
Kirchner, Frank	Belleville	Malone, Frank	Pinckneyville
Kirkwood, Martin	Birkner	Maltby, William (d.)	Braidwood
Klingfus, Otto	Belleville	Mann, Jacob	Mascoutah
Klinginfus, Emil	Belleville	Manees, Charles	Centralia
Kloever, Jos.	Pana	Markham, John J.	Taylorville
Knapp, Charles	Seatonville	Marland, John, Jr.	Wenona
Knies, Henry	Breese	Marland, John, Sr., ex., (d.)	Wenona
Knowles, Harvey	LaSalle	Marsh, James	Riverton
Kortkamp, William	Hillsboro	Martin, Charles	Middle Grove
Kortkamp, Louis	Hillsboro	Martin, George	Farmington
Krallman, Chas.	Glen Carbon	Mason, Eli	Edinburg
<i>Kramer, Anthony F.</i>	Sato	<i>Mason, Meyrick C.</i>	LaSalle
Kramer, Leo	Stonington	<i>Mason, Mark, Jr.</i>	Sato
Krantz, Jacob	Belleville	<i>Massey, Alfred N.</i>	Belleville
Kreppert, William	Springfield	Massie, John G.	Marissa
		Mathews, W. S.	Kinmundy
		Mathews, T. A.	Harrisburg
Lacour, August	Bartonville	Maxwell, Angus	Carlinville
Laesser, Adolph	Belleville	Maule, Alexander	Belleville
Laughron, Ed.	Benton	Mauck, William	Danville
Lander, Alexander	Carterville	Mays, John F.	Pana
Lannoe, Frank	Worden	Medfill, Duncan B.	Oglesby
Large, James M.	Athens	<i>Meehan, Patrick</i>	Breeds
Larrick, O. O.	Witt	<i>Meehan, Peter</i>	Williamsville
Laws, J. M.	Cuba	<i>Merkle, Benjamin</i>	Sandoval
Lawson, John	Mt. Olive	<i>Meeks, Joseph</i>	Belleville
Lawson, Thomas	Lake Creek	<i>Meyer, Bruno F.</i>	Stantton
Lawson, Arthur	Edwardsville	Michaels, Theodore	Belleville
Lawson, John	Cable	Millard, John	Peoria
Leach, John	Auburn	Miller, Edward	Sorento
Ledford, Edward E.	Harrisburg	Miller, Charles	Laceville
Lee, Robert	Cable	Milburn, Thomas	Edwardsville
Lee, Robert	Sherrard	Middleton, James L.	Sandoval
Lee, Shellcross G.	Canton	<i>Michaels, Lewis</i>	Belleville
Lee, William J.	Cable	Michaels, Otto L.	Belleville
Legendre, Theodore	Mascoutah	Miller, Alexander	Ridge Prairie
Lehwold, Herman A.	Springfield	Miller, Hugh	Coal City
Leichty, James	Danville	<i>Miller, William</i>	Lenzburg
Leming, W. C.	Duquoin	Miller, George W.	Pawnee
Letsome, William	Carbon Hill	Miller, John K.	Stantton
Letsome, Absalom	Carbon Hill	Miller, J. H.	Edwardsville
Lewis, Charles	Sparta	<i>Miller, Frank R.</i>	Herrin
Lewis, James	Bryant	<i>Milen, John</i>	Norris
Lewis, William	Streator	<i>Millett, Thomas</i>	Collinsville
Lindley, Richard	Collinsville	Millhouse, John G.	Spring Valley
Lindsay, John O.	Duquoin	Mills, T. J.	Cable

## Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Mitchell, T. J.	Pana	McLachlan, John	Springfield
Mitchell, Jesse M	Murphysboro	McLarin, Archibald	Collinsville
Mize, Walter	Blue Mound	McLaughlin, Patrick	Selbytown
Moffat, R. E.	Percy	McLaughlin, William (d)	Auburn
Moffat, Thomas	Percy	McLaughlin, William	Ava
Monaghan, Edward	Carbon Hill	McLaughlin, John	Girard
Monaghan, William	Braidwood	McLean, Robert	Girard
Monroe, Wm. A.	Carrier Mills	McManamon, Patrick F., (d)	Spring Valley
Moore, Alexander J.	Chicago	McMorrow, Michael	Farmington
Moore, Samuel	Springfield	McMath, George	Carterville
Moran, Mark	Pekin	McMurtle, A. B.	Bryden
Morin, Jeremiah	Danville	McWhinney, Andrew	Virden
Morin, D. A.	Danville	McMorrow, Thomas	Farmington
Morgan, George	Springfield	McNabb, William	Athens
Morgan, Joseph	Streator		
Morgan, Isaac B.	Ladd		
Morris, G. W.	Lebanon	Neal, Reese	Kangley
Morris, J. H.	Nashville	Neal, Albert N	Murphysboro
Morris, James F.	Springfield	Neal, William	Murphysboro
Morris, P. K.	Roanoke	Neal, Warren	Danville
Morris, William H.	Belleville	Needles, Thaddeus	Glenburn
Morris, Joseph	Nashville	Neeson, Richard	Divernon
Morris, Robert	Marion	Neil, Peter, ex.	Bunker Hill
Morrissey, Thomas	Lebanon	Newcomb, H. C.	Pana
Morrison, D. H.	Girard	Newman, Henry T.	Springfield
Morton, Andrew	Virginia	Newsam, John	Kingston
Morton, Robert	Virginia	Newsam, Richard	Orchard Mines
Moses, John L.	Marion	Newsam, Richard, Jr.	Kingston Mines
Moses, Tom	Westville	Newsam, Thomas	Kingston Mines
Moss, Thomas	Staunton	Newsam, Thomas, Jr.	Kingston Mines
Mould, Thomas R.	O'Fallon	Nesbit, Charles ex.	Millstadt
Mountjoy, John Hy.	Wenona	Nevenor, John	Belleville
Murdock, John	Breeds	Nevil, George W.	Duquoin
Muir Hunter	Etherly	Nicholson, Edward	Nashville
Munster, Anton	Westville	Nicholson, George A.	Cuba
Muntz, Jabez	Streator	Nicholson, William (d)	Cuba
Muntz, William	Streator	Nixson, Robert	Virden
Murphy, Jerry	Chatham	Noll, Peter	Belleville
Murphy, Mike	Bush	Nold, Fred	Freeburg
Murphy, John	Braidwood	Nordeen, Peter	Galva
Murphy, Patrick	Springfield	Nordness, C. K.	Girard
Murray, A.	Nashville	Nortman, George	Streator
Murray, Hugh	Sparta	Nuttall, J. F.	Westville
Murray, James W.	Westville		
Murray, J. H.	Galva		
Murrie, Archibald	Centralia	O'Beirne, John	Spring Valley
Mustard, George	Norris	O'Brien, John W.	Toluca
Myers, Thomas E.	Marion	O'Brien, John J.	Marquette
McAllister, Hector	Streator	O'Brien, James	Belleville
McAlphine, W. H.	Marion	O'Brine, Patric J.	Spring Valley
McAnarney, James	Girard	O'Brine, William	Pana
McCann, Patrick	Lincoln	O'Briant, James	Georgetown
McCleary, John	Cantrall	O'Connor, James	Spring Valley
McCleary, James	Kangley	O'Connor, John	Braidwood
McClintock, John	Murphysboro	O'Connor, Patrick F.	Paisley
McCraner, James	Girard	O'Leary, John	Marquette
McCridle, David	Oglesby	Olroyd, Peter	Westville
McCullough, W. F.	Mapleton	O'Neil, John	Germantown
McCown, Milo	Carterville	Opie, William (d)	Sandoval
McDill, James	Pana	Owen, William	Tallula
McDonald, Archibald	Westville	Owens, Robert	Marion
McDonald, Robert	Streator	Owens, R. D.	Farmington
McDonald, William	Braidwood		
McDonald, Adam S.	Dalzell		
McFadden, Joseph	Danville		
McFarland, William A.	Edwardsville	Parker, Albert	Collinsville
McGeachen, Robert (d)	Sorento	Parker, Joe	S. Wilmington
McGinnis, John	Springfield	Pascoe, James H.	Belleville
McGunnical, John	Murphysboro	Passent, Joseph T.	Springfield
McGunnical, James	Marissa	Passent, William C (d)	Barclay
McGunnical, Bernard (d)	Spring Valley	Patchet, John	Murphysboro
McKean, Isaac	Coal City	Patterson, J. C.	Assumption
McKeown, Frank	Decatur	Patton, George A.	Belleville
McKernan, James	Collinsville	Payne, Harry	Riverton
McKillop, Donald	Carbon Hill	Pearl, John	Braidwood

## Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Penwell, C. T. (d)	Pana	Richardson, Thomas	Spring Valley
Perceil, Thomas	Norris	Richardson, Joseph	Litchfield
Peters, J. D.	Murphysboro	Richardson, Robert	Cartersville
Petrie, Joseph	Belleville	Ridgely, O. L.	Mt. Olive
Pettier, Moses	Spring Valley	Ritchie, Alex, Sr	Clinton
Pettigrew, Robert	Troy	Ritchie, A., Jr.	Trenton
Phillips, James	Minouk	Ritchie, Thomas	Streator
Phillips, W. C.	Staunton	Rittmann, J. J.	Decatur
Pick, Edward	Centralia	Riviere, Paul	Orchard Mines
Pickett, Joseph	Spring Valley	Roberts, Benj. D.	Streator
Pickett, Robert	Spring Valley	Roberts, Evan F.	Danville
Picton, Joseph	St. David	Roberts, Hiram	Collinsville
Picton, John W.	Farmington	Roberts, John D., ex., (d)	Streator
Pierson, Robert	Harrisburg	Roberts, Thomas D.	Streator
Pierce, William	Edinburg	Robinson, Henry	Gardner
Pischner, Oscar J.	Westville	Robinson, John T.	Kingston Mines
Plumbee, Arthur	Duquoin	Robinson, L. E.	Kingston Mines
Poelker, Joseph	Germanatown	Rodden, John	Pana
Pool, Edgar E.	Murphysboro	Rodenbush, Charles	Belleville
Potter, George	Mapleton	Rodenbush, John	Stelton
Postle, John (d)	Braceville	Roe, Samuel	Oglesby
Powell, Albert E.	Belleville	Roe, Thomas	Oglesby
Powell, Evan	Murphysboro	Rogers, Charles	Duquoin
Powell, David, ex.	Braceville	Rogers, Josiah	Braidwood
Powell, J. E.	Sato	Rogers, James	Troy
Powell, Thomas H.	Belleville	Rogers, Llewellen	Braidwood
Powell, Samuel	Roanoke	Rollo, George	Mt. Olive
Price, Fred W.	Centralia	Rollo, James	Pana
Price, William	Braceville	Rollo, John	Gillespie
Price, John B.	Marissa	Rollo, William	Pana
Proctor, Michael J.	Toluca	Rookin, Thomas	Edwards Station
Proctor, Peter	Braidwood	Ross, David	Oglesby
Prudent, Edward	Centralia	Ross, John H.	Gillespie
Pryce, John M.	Coal Valley	Rosbottom, James	Kingston Mines
Pryer, William	Gillespie	Rowland, Charles, ex.	Belleville
Pugh, Daniel	St. John	Rozanski, Michael	Taylorville
Pullen Charles	Litchfield	Rundle, John C.	Colchester
Pullen, James	Sorenta	Rundle, William	Pekin
Pye, William	Bartonville	Rutledge, Walton	Alton
		Rutledge, J. J.	Staunton
		Ryan, James (d)	Springfield
		Ryan, Thomas	Springfield
Raby, Robert A.	Cuba		
Radford, Thos., ex., (d)	Bloomington		
Radford, William	Cuba		
Radford, James D. (d)	Springfield		
Radford, William T.	Bloomington	Sangrelet, Marshall	Mt. Olive
Rae, Robert	Braidwood	Sanders, John M.	Hanna City
Ramsey, Charles J.	Gillespie	Sandson, Henry S., ex.	Streator
Randle, Jesse	Birkner	Sauer, Frederick	Belleville
Rarick, Phil. W.	Glen Carbon	Saurs, Cornelius	Peoria
Ratliffe, Arthur	Kewanee	Scaife, William	Coal City
Rauth, John	Belleville	Schlettler, Bruno	Springfield
Rosmussen, James E.	Mineral	Schroll, Joseph	Bartonville
Rasbottom, Frank	Kingston	Schram, Richard	Belleville
Reagan, Daniel	Muddy Valley	Schrader, Joseph H.	Eldorado
Reavley, Robert	Riverton	Schreler, Gustav	Divernon
Redshaw, William	Spring Valley	Scheidel, John	Bartonville
Redyard, John	Odin	Schellschmidt, Ernst	East Peoria
Reed, James	Herrin	Schroyer, Edward	Dunfermline
Reeb, Phillip	Belleville	Schutte, H. F.	Mt. Olive
Reed, W. M.	Girard	Schmithoure, Theodore	Mt. Olive
Reed, William B.	Wilsman	Scott, George	Marissa
Reents, August	Kramm	Scott, C. W., Sr	Pocahontas
Renter, Max	Staunton	Scully, William J.	Glen Carbon
Rece, Daniel	Danville	Scurah, Castling R.	Braceville
Reid, Andrew	Springfield	Sebastian, Charles W.	Lenzburg
Reid, Joseph	Marion	Secor, Frederick D.	Odin
Reilly, Edward	Danville	Seddon, Thomas	Paisley
Reimann, John	Belleville	Senloe, George	St. John
Rernison, Henry	St. John	Sevan, Charles	Danville
Reynolds, William	East Peoria	Severit, Albert	Belleville
Reynolds, John	Streator	Shanahan, John C.	Gillespie
Rhodes, Jefferson	Pana	Shaw, James	Peoria
Richards, John	Murphysboro	Sharp, Montgomery, ex.	Coal City
Richards, James	LaSalle	Sholeen, R. A.	Galva

## Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Sholl, Joseph	Bartonville	Stockett, Thos. R., Jr.	St. Louis, Mo.
Shurin, Peter	Auburn	Stockman, W. H.	Duquoin
Sheilds, Frank	Pana	Stockman, William C.	Belleville
Schuler, Charles	Gleehrist	Stoneburner, L. L.	Moweaqua
Sidall, John S.	Pana	Storrie, Archibald	Seatonville
Sidall, James S.	Streator	Stratman, Henry, ex. (d)	Springfield
Siddell, J. W.	Springfield	Straley, Peter	Canton
Siddle, John	Edwardsville	Strebel, George	Edwardsville
Simkin, Samuel	Streator	Strickland, John	Coal City
Simmons, Thomas	Canton	Stricklin, W. H.	Harrisburg
Simpson, Isaac	Glen Carbon	Striebe, Chris. W.	Danville
Simpson, David	Spring Valley	Sutton, Thomas	Millstadt
Simpson, David	Springfield	Swan, Charles	Danville
Simpson, George A.	Springfield	Swansberg, John L.	Danville
Simpson, George C.	Springfield	Swarthout, J. P.	Peoria
Simpson, William J.	Collinsville	Svinson, Alfred	Greenview
Simpson, Thomas	Collinsville	Syson, Frank	Niantic
Simpson, Thomas	O'Fallon		
Sine, Charles A.	Johnston City	Tallman, John ex.	Kangley
Singler, Edward	Johnston City	Tattersall, George	Seneca
Sisk, A. J.	Equality	Taulbee, Edward (d)	Hillsboro
Skinner, Alexander	Diamond	Taylor, Charles	Edwards
Skinner, David, (d)	Diamond	Taylor, Daniel	Edwards
Skinner, John	Diamond	Taylor, Henry	Belleville
Skinner, John	Astoria	Taylor, James	Edwards
Skelton, A. H.	Coal City	Taylor, Joseph	Springfield
Sloan, Edward C.	Wesley City	Taylor, Thomas H., ex.	O'Fallon
Small, James	Middle Grove	Taylor, Thomas H., ex.	Springfield
Smethurst, Nathan	Spring Valley	Tenney, Charles	Danville
Smith, Alexander M.	Sandoval	Teaque, Albert	New Baden
Smith, A. J.	Springfield	Terrell, Henry	Colchester
Smith, David P.	Dawson	Thain, James	Riverton
Smith, Felix	Birkner	Thom, Alexander, ex.	Coal City
Smith, James	LaSalle	Thomas, William J.	Spring Valley
Smith, James J.	Riverton	Thomas, H.	Westville
Smith, George A.	Sandoval	Thomas, J. V.	Spring Valley
Smith, James L.	Mt. Olive	Thomas, John R.	Ladd
Smith, James	East Peoria	Thomas, T. J.	Collinsville
Smith, John P.	Glen Carbon	Thomas, Reese	Spaulding
Smith, James L.	Riverton	Thomas, David B.	Murphysboro
Smith, James P.	Collinsville	Thomas, Richard	Ridge Prairie
Smith, Henry W.	Springfield	Thomas, J. J.	Benton
Smith, Joseph	Bloomington	Thomas, John R.	Marion
Smith, T. J.	Pana	Thome, Martin, ex.	Bartonville
Smith, William	Athens	Thompson, John	DeSoto
Smith, William G.	Riverton	Thompson, Robert C.	Murphysboro
Smith, W. H.	Hillsboro	Thompson, Mark	Sherrard
Smith, Thomas	Belleville	Thompson, William	Mt. Olive
Smith, W. J.	Girard	Thornd, James	Duquoin
Sneddon, Richard	Virden	Thorand, Joseph	Trenton
Sneddon, Alexander	Peoria	Thrush, David	Farmington
Sollenberger, Harry C.	Dunfermline	Thrush, William H.	Hanna City
Solomon, John	Springfield	Tolle, E. B.	Kingston Mines
Solomon, Peter H.	Springfield	Tallner, Fred	Edwardsville
Southworth, Andrew P.	Belleville	Tregoning, Walter	Murphysboro
Spiller, George H.	Murphysboro	Twomley, Edwin, ex.	Coal Valley
Spies, Alfred	Braceville	Turton, William	Edwardsville
Sprague, A. J.	St. David		
Springer, Albert R.	Glen Carbon	Ulrich, Casper	Tilden
Sapstick, Arthur E.	Glen Carbon	Urbain, F. J.	Christopher
Stachle, August	Belleville		
Stahlberg, Charles	Eldorado	Vallow, Charles	Kinmundy
Stanton, William E., ex.	Colchester	Vandebeur, John, ex.	Springfield
Starks, William	Westville	Vandeveer, P. E.	Taylorville
Starns, James	Holidayboro	Vicary, William	Pottstown
Steiner, Benjamin	Sato	Vicary, George	Pottstown
Steel, Alexander	Streator	Vicary, John, ex.	Lincoln
Steel, Daniel	Collinsville	Vose, John	Springfield
Steel, James	Spring Valley		
Steel, Neal	Centralia	Wagner, I.	Mapleton
Stevens, Walter	Virden	Wagner, Louis M.	Belleville
Stewart, D. G.	Seatonville		
Stirrat, James	Peoria		
Stockett, Howard N.	Springfield		
Stockett, Lewis	Collinsville		

## Certificates of Competency—Concluded.

Name.	Postoffice.	Name.	Postoffice.
Walker, John K.	Chenoa	Williams, Jeff	Farmington
Walker, James	Murphysboro	Williams, John	Riverton
Wall, David E.	Divernon	Williams, Louis	Belleville
Wallace, David	Cartersville	Williams, Robert H.	Girard
Wallace, John	Clifford	Williams, John W.	Livingston
Walland, Ed. S., ex.	Bartonville	Williams, Walter	Duquoin
Walmsley, George	East Peoria	Williams, Thomas J.	Cardiff
Walschlag, Stephen	Peoria	Williams, William H.	Edinburg
Walsh, Patrick	Springfield	Williams, W. W.	Hornsby
Walsh, Peter P.	Pleasant Plains	Williams, David W.	Herrin
Walters, William H.	Staunton	Williams, David	Tilden
Wanless, John	Springfield	Williams, W. F.	Pekin
Wanless, William H.	Riverton	Williamson, William	Staunton
Wantling, T. J.	Peoria	Williamson, Jacob	Springfield
Wantling, Thomas	Pottstown	Wilson, Hiram E.	Carbondale
Wants, Thomas W.	Ladd	Wills, Samuel	Westville
Ward, Wilson	Riverton	Wilson, John	Coal City
Wardie, John	Marion	Wilson, David	Murphysboro
Warren, James M.	Herrin	Wilson, David	Spring Valley
Waters, Fred	Elmwood	Wilson, Hugh	Kinmundy
Watson, George R.	Wyoming	Wilson, Alexander	Carbon Hill
Watson, John A.	Cartersville	Wilson, Hiram	Carbondale
Watkins, W. J.	Danville	Wilson, H. C.	Pekin
Watts, Thomas J.	Elmwood	Wilson, John B.	Sparta
Watts, William	Elmwood	Wilson, John J. (d)	Wesley City
Waugh, Robert	Equality	Wilson, Robert	Roanoke
Weber, Henry	Murphysboro	Wilson, William	Middle Grove
Weber, Richard	Collinsville	Wilson, Thomas	Norris
Webb, James M.	Westville	Wilson, William	Sparta
Weeks, Thomas	Streator	Wilson, David	Lincoln
Weisenborn, F. E.	Mt. Olive	Wilson, W. R.	Reed City
Weisenborg, Otto	Springfield	Winneberg, W.	Springfield
Westwater, David	Pekin	Winning, James	Cartersville
Westwood, Albert	Belleville	Winning, Robert	Cartersville
Westwood, Thomas E.	Marissa	Winterbottom, John	Murphysboro
Westwood, John	Streator	Winters, Samuel P.	Bartonville
Westwood, Thomas	Belleville	Wittman, Daniel	New Baden
Wheatcraft, James	Elmwood	Walschlag, Stephen, ex.	Peoria
Whennen, Charles	Oglesby	Wood, Henry	Streator
Witaker, John	Collinsville	Wood, Henry	Troy
Whitaker, William J.	Collinsville	Woods, William, ex.	Morris
White, John	Pana	Woodson, W. R.	Springfield
White, John R.	Belleville	Worthington, Willard	Duquoin
White, James	Ottawa	Wright, Thomas C.	Belleville
White, Michael	Virden	Wright, John	Belleville
White, Owen	Seatonville	Wright, J. W.	Kingston Mines
White, Louis	Spring Valley	Wundelirck, John	Marissa
White, Robert	Belleville		
Whitehead, Joseph	Farmington		
Whitehead, Edward	Farmington	Yates, John	Belleville
Wigham, William G.	Cartersville	Yates, J. R.	Centralia
Wild, James	Murphysboro	Young, Hiram	Girard
Wiley, Robertson	St. David	Young, Hugh G.	Braidwood
Wilderman, John	Eldorado		
Wilkinson, Frank	Westville		
Wilkinson, T. H.	Diamond	Zink, Peter A.	Belleville
Williams, Daniel J.	Springfield	Zink, Charles L.	Belleville
Williams, James	Murphysboro	Zoller, Robert H.	Braidwood
Williams, Thomas	Kinmundy		



## MINE MANAGERS HOLDING CERTIFICATES OF SERVICE.

Name.	Postoffice.	Name.	Postoffice.
<i>Adams, Charles T.</i>	Roseboro	Hutton, James	Tallula
<i>Alsopp, William H.</i>	New Castle	<i>Hallenmeyer, Julius</i>	Golden Eagle
<i>Andreas, August</i>	Belleville	Jenkins, Eugene	Bartonville
Angel, Hiram	Glenn	<i>Jerrimah, William M.</i>	Duquoin
Atkinson, Edward	Streator	<i>Jones, David</i>	Marissa
<i>Azford, Thomas</i>	Petersburg	Keller, George Jr.	Bartonville
Bailey, Robert	Sunfield	Kidd, Andrew	Wenona
<i>Bangert, Henry (d)</i>	Lincoln	<i>Kidd, Eugene</i>	Ridge Prairie
Bartlett, Thomas	Cuba	Kirley, Bernard	Kewanee
<i>Barwell, John</i>	Cutler	Klingenhagen, Henry	Belleville
Bates, W. H.	Winchester	<i>Kramer, Anthony F.</i>	Sato
<i>Betz, Charles C.</i>	Duquoin	Laumbattus, Philip H.	Tamaroa
Bolander, John	Pekin	Lenze, Charles	Belleville
<i>Bracken, James A.</i>	Greenview	Lloyd, Hosea W.	Sheffield
Brown, Jabez	Cutler	<i>Mason, Mark, Jr.</i>	Sato
Brown, Thomas M.	Pinckneyville	Maale, Robert	Belleville
Bunting, J. H.	Grape Creek	<i>Meehan, Patrick</i>	Breeds
<i>Bushong, Andrew M.</i>	Danville	<i>Meehan, Peter</i>	Williamsville
Caldwell, James	Elmwood	Meredith, C. W.	Augusta
Cape, Thomas	Fairview	<i>Michaels, Lewis</i>	Belleville
Cameron, Duncan S.	Sorento	Miller, Nicholas	Lebanon
Chere, George	Pleasant Plains	<i>Miller, William</i>	Lenzburg
<i>Christie, David (d)</i>	Murphysboro	<i>Milen, John</i>	Norris
<i>Cooper, Charles</i>	Nilwood	<i>Millett, Thomas</i>	Collinsville
<i>Collier, Frank J.</i>	Bartonville	<i>Moffatt, Thomas</i>	Percy
<i>Coster, George</i>	Grape Creek	<i>Monaghan, Edward</i>	Carbon Hill
Crawson, Elihu	O'Fallon	<i>Morin, Jeremiah</i>	Danville
Cummings, William	Rushville	<i>Morton, Robert</i>	Virginia
Cusack, M.	Edwards	<i>Murphy, John</i>	Braidwood
<i>Dale, John</i>	Fredonia	<i>Mc Cleary, James</i>	Kangley
Davenport, John	Harrisburg	McDonald, Daniel	Menard
Davis, Caleb	Collinsville	McDowell, James A.	Grape Creek
<i>Davison, Mathew</i>	Duquoin	McKerman, James	Collinsville
<i>Deans, Henry</i>	Percy	<i>Neal, William</i>	Murphysboro
<i>Donaly, James</i>	Carterville	<i>Nidholson, William</i>	Cuba
<i>Duffner, J. W.</i>	Belleville	Noyd, Lewis	Galva
Enstminger, Emanuel E.	Crab Orchard	Oexner, Wendelin	West Belleville
Entwhistle, Robert	Colchester	Parkin, William	Sweetwater
Erwin, William	West Belleville	<i>Patterson, J. C.</i>	Assumption
<i>Fagan, Patrick (d)</i>	Decatur	<i>Peart, John</i>	Braidwood
Fletcher, Adam	Ladd	Pfander, Fred	Peoria
<i>Forsythe, Peter</i>	Centralia	<i>Pickett, Robert</i>	Canton
Forsythe, Thomas	Centralia	<i>Pool, Edgar E.</i>	Murphysboro
Fowler, Henry	Millersburg	Price, David	Fairbury
<i>Franklin, Bernard</i>	Lincoln	Price, James L.	Danville
<i>Gilbert, Edward</i>	Niantic	<i>Pullen, Charles</i>	Sorento
Glenn, John	Peoria	<i>Radford, William</i>	Cuba
<i>Gooder, William</i>	Cuba	<i>Randle, Jesse</i>	Birkner
Golden, George	Springfield	<i>Reynolds, William</i>	East Peoria
Graber, Henry	Orchard Mines	Royster, Moses L.	Peoria
Grant, David	Pekin	Rusche, Christian (d)	East Peoria
Gray, John (d)	Roanoke	<i>Ryan, James</i>	Springfield
<i>Green, Robert</i>	Springfield	Schmidt, Frank P.	Limestone
<i>Greenwood, Robert</i>	Duquoin	Shaw, Nathan	Kramm
Grieve, Peter	Collinsville	<i>Smith, David P.</i>	Dawson
Griffith, William A.	Colona	<i>Smith, Felix</i>	Breese
Haddick, Robert	Cable	Solomon, Robert	Springfield
Haensel, Daniel	Lenzburg	Spencer, George	Duquoin
<i>Harrison, Ernest</i>	Streator		
Heinz, John L.	LaSalle		
Howe, William	Streator		
<i>Hoye, James</i>	Braidwood		

## Certificates of Service—Concluded.

Name.	Postoffice.	Name.	Postoffice.
Stanway, George	Blair	Thompson, John	DeSoto
Stark, Andrew	Galva	Thornton, James	Duquoin
Stewart, David J.	Seatonville		
Stuhlsatz, Michael	Kewanee	Waugh, George, Sr.	Peoria
Sutton, Thomas	Millstadt	Westwood, Thomas	Belleville
Swan, Charles	Oakwood	Wilkin, John B.	Petersburg
Swisher, James E.	St. David	Williams, John	Sato
		Williams, John T.	Coalville
		Williams, Walter	Duquoin
Telfer, Alexander W.	Morris	Wilms, William (d)	Springfield
Terrill, Thomas	Cholchester		

## MINE MANAGERS HOLDING CERTIFICATES OF COMPETENCY AT MINES EMPLOYING NOT TO EXCEED TEN MEN.

Name.	Postoffice.	Name.	Postoffice.
Aby, J. J.	Laura	Balmar, Jno. D.	Bartonville
Adams, J. M.	Denmark	Ball, Samuel	North Alton
Adams, Leonard	Cuba	Banney, H. E.	Abingdon
Adams, John	Willisville	Barbery, Paul	Ava
Adkins, Elmer	Danville	Barber, William	Colchester
Aldrage, John	Danville	Bargreen, Charles	Streator
Aldridge, William R.	Danville	Barkley, Charley	Farmington
Aldrich, M. M.	Geneseo	Barnett, W. M.	Palzo
Ahlgren, Emil	Kewanee	Barter, Charles	Bryant
Alexander, Orie A.	Huntsville	Bass, Oscar J.	Wyoming
Alward, Frank	Canton	Bates, Geo. H.	Kewanee
Allen, James T.	Pleasant Plains	Bates, Wm. T.	Rushville
Allen, W. P.	Spillertown	Bates, Watson	Kewanee
Allen, John A.	Colona	Bath, Isaac	Lewistown
Allen, W. H.	Roadhouse	Bath, Abraham	St. David
Alison, John	Loding	Baugh, William	Henry
Allison, William	So. Moline	Beatty, John T.	Mascoutah
Allison, Elmer	Danville	Beatty, John T.	Mascoutah
Ancerson, Alexander	Sato	Becroft, Lenoard	Atkinson
Anderson, Lee A.	Streator	Beetler, John	Pekin
Anderson, N. C.	Ottawa	Beddow, Benj.	Danville
Anderson, Josh.	Equality	Beers, M. A.	Cable
Anderson, M. H.	Knoxville	Beever, J. H.	Farmington
Anna, Charles	Wataga	Begum, Geo. E.	Ottawa
Argus, Leonard	Belleville	Bell, James	Morris
Arrandale, Jno. W.	Streator	Bell, Charles	Pleasant Plains
Acraft, J. W.	Mayton	Beltz, Lindolph	Carterville
Aston, Emanuel	Danville	Beltz, George	Carterville
Atkinson, Amos	Colchester	Bennet, Fred	Chillicothe
Atkinson, M.	Kewanee	Benson, John	Winchester
Atkinson, Charles W.	Colchester	Benson, William	Winchester
Auglin, John	Shelbyville	Berry, John	Macomb
Authank, Abraham	Petersburg	Berry, George E.	Peoria
Avery, Geo. W.	Industry	Berry, Charles	Monica
Avey, Wm.	Belleville	Berry, W. J.	Macomb
Axley, Edward	Roodhouse	Berry, R. M.	Cottage Grove
Aylsworth, John	Frederick	Berry, Wm.	Monica
		Beuer, Jacob W.	Castletown
		Beuer, Joseph	Castletown
Backling, William	East Peoria	Bextom, Wm. G.	Colchester
Backofen, Jacob	Littleton	Biggs, Isaac N.	Tallula
Badders, George	Carrier Mills	Biggs, Henry	Ledford
Bailey, Oliver	Carbondale	Bird, Daniel	Roseville
Baird, W. C.	Carbondale	Birdois, D.	Peoria
Baird, Oswald	Colchester	Birdois, John	Peoria
Bailey, W. R.	Sparta	Bishop, Austin T.	Grape Creek
Baker, L. C.	Oakwood	Bixby, Wm. M.	Blair
Baker, William H.	Industry	Blackburn, Kelly	Johnston City
Baker, Hilan D.	Coal Valley	Blagden, Richard	Leaman
Baker, Joseph	Ottawa	Blackey, Cuthbert	Wyoming
Baker, F. W.	Fairbury	Blank, Louis	Peoria
Baker, Wm. J.	St. David	Blessing, George	East Peoria
Balducche, Lorenzo	Catlin	Blockley, Rufus	Equality
Baldwin, John O.	Equality	Bloom, Charles	Catlin
Bales, Joseph L.	Danville	Biotevagal, William	Worden

*Mine Managers (Ten Men), Certificates of Competency—Continued.*

Name.	Postoffice.	Name.	Postoffice.
Blue, J. W.	Grape Creek	Charnok, Wm.	Victoria
Blue, Ed.	Grape Creek	Chesney, Alonzo T.	Ava
Bode, W. H. H.	Chesterfield	Chilton, Richard	Kewanee
Boden, Ed.	Pre-emption	Chipping, W.	Canton
Boldwyn, T. W.	Vergennes	Chorlton, James	French Village
Boostrom, Ben B.	Wataga	Christman, Charles W.	Sparland
Bonnett, A. H.	Pilot	Church, V. L.	Ava
Bowman, G. W.	Yates City	Clariday, Moody	Cartersville
Bowman, T. L.	Industry	Clark, John	Monmouth
Boyer, A. P.	Etherly	Christy, H. S.	Whitehall
Brackhouse, Fred	Chapin	Clark, Samuel G.	Duquoin
Braunaman, F. L.	Danville	Clark, James A.	Equality
Brandt, Jean	Georgetown	Clark, J. H.	Brimfield
Brandt, Henry C.	Petersburg	Clark, John	Glasford
Brandt, William	Mineral	Clark, W. O.	Exter
Brandt, Louis F.	Mineral	Clarkson, William H.	Edwards
Brannon, James	Grape Creek	Clarkson, Lorenzo	Kickapoo
Brennan, George	Caseyville	Clifford, Geo. L.	Oneida
Brinley, Ross	Danville	Cody, Richard	Peoria
Broderick, Andrew	Danville	Coelspire, G.	Galesburg
Brophy, M.	Shelbyville	Coke, Robert	Marion
Brown, Charles	Marion	Colburn, John R.	Vandercook
Brown, John	Ottawa	Collins, Thomas	Collins
Brown, William S.	Muncie	Collins, A. Y.	Greenfield
Brown, S. C.	Lewistown	Collins, W. N.	Ava
Brown, William	Athens	Collear, Abraham	Pottstown
Brooker, Fred	Lowell	Colwell, Robert	Brimfield
Bryan, John	Grape Creek	Colwell, H.	Duncan
Bryant, S. C.	Grape Creek	Colwell, George	Wyoming
Bryner, Leonidos	Roseville	Covett, Lewis M.	Oakwood
Buchanan, B. M.	Streator	Cook, Charles	Grape Creek
Buffington, Frank	Farmington	Cook, James K.	Etherly
Bullock, Joseph	Collinsville	Cook, W. H.	Alexis
Bullock, Henry	Collinsville	Cook, Louis B.	Etherly
Bullock, Robert	Duquoin	Cook, Wm.	Peoria
Bunt, Joseph	Colchester	Cook, Frank	Belleville
Bunting, C. J.	Danville	Coons, Harvey	Fairview
Burdick, Frank	Industry	Coons, Chas. J.	Fairview
Burk, W. W.	Conant	Cooper, Albert W.	Petersburg
Burney, Ralph	Colchester	Cowens, W. P.	Pinckneyville
Butter, William	Stonefort	Combs, J. W.	Kewanee
Byrnes, John	Brighton	Compton, Archie	Sparland
		Covert, Stephen D.	Danville
		Coulson, Foster	Wyoming
		Cotton, William	Peoria
Cadle, John	Danville	Crain, Willie	Ava
Cagle, William	Frederick	Craig, John W.	Saline
Cagle, John	Littleton	Crawford, W. F.	Collison
Cagdall, A. C.	Stonefort	Cressey, George	Colchester
Cairns, James	Brighton	Cryer, John H.	Morris
Caldwell, Thomas	Avon	Crew, Joseph	Chillicothe
Camey, Robt. P.	Lombardville	Cronister, Henry S.	Salisbury
Campbell, Ed.	White Hall	Crow, S. F.	Stonefort
Campbell, Andrew F.	Roseville	Crow, Wm.	Ava
Campbell, Francis A.	Viola	Croxton, Fred W.	Pleasant View
Campbell, W. R.	Vergennes	Croxton, Walter	Pleasant View
Cameron, Henry	Viola	Crozica, E.	Etherly
Carlson, Alfred	Sunny Hill	Crowse, James W.	Union
Carlson, Andrew F.	Kewanee	Cunningham, Lewis	Danville
Carroll, C. E.	Duncan	Cunningham, R. A.	Cutler
Carroll, Thos. J.	Bunker Hill	Cummings, W. M.	Rushville
Carrell, A. J.	Duquoin	Cummins, C. E.	Roodhouse
Carter, Elmer	Camden	Curtiss, Sanford	Rockbridge
Carter, Joe	Kewanee	Curtis, Fred	Macomb
Carter, F. R.	Danville	Cutler, F. H.	Princeville
Carter, Wm. R.	Danville		
Carson, Charles	Piatt	Dabbles, Joseph	Danville
Carrison, George	Colchester	Dabbs, Jesse	Greenfield
Casteter, John	Streator	Dainty, Jabez	St. David
Casteter, William	Streator	Dalrymple, Wm. C.	Neponset
Catt, A. G.	Newton	Dalton, Isam	Yates City
Catton, John	West Jersey	Daniel, Jay	Danville
Catton, C. F.	West Jersey	Darrah, J. N.	Blandinsville
Chadwick, E.	Oak Hill	Daughterty, Robert T.	Table Grove
Charlingsworth, Amos C.	Fosterburg		
Charleson, Chas	Wyoming		

## Mine Managers (Ten Men), Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Davis, J.	Vermont	Emerick, Alonzo	Farmington
Davis, Charles	Abingdon	Ennis, James	Peoria
Davis, Benjamin	Streator	Ensinger, E. E.	Crab Orchard
Davis, T.	Fayette	Entwistle, W.	Colchester
Davis, Chas. R.	Salisbury	Erhardt, Anton	Belleville
Davis, Oscar	Tallula	Erickson, John	Danville
Davidson, Thomas	Griffin	Erickson, August	Galva
Davidson, Bert	Colchester	Ernst, Frank	St. Johns
Dalton, Augustus	Yates City	Espley, J. T.	Morris
Dawson, J. C.	Deer Park Glen	Essex, G. W.	Soperville
Dawson, Wm	Deer Park Glen	Evans, E. P.	Cuba
Deaton, Abraham L.	Middletown	Evans, W. T.	Cuba
Deaven, Camille	Orchard Mines	Evans, Ed. L.	Streator
Delaney, Thomas	Avon	Evans, Lewis	Kankley
Delony, E. F.	Fairview	Evans, W. L.	Cottage Grove
Delony, Elmer	Fairview	Eveland, Ben	Lewistown
Dempsey, G. F.	Equality	Eyeman, Albert	Lewistown
Dempsey, J. I.	Equality		
DeMoss, Albert	Canton		
DeWolf, Ernest	Victoria	Faylor, John	Pinckneyville
Dewey, David C.	Wyoming	Fairley, R. J.	Cambridge
Denton, Fred	Petersburg	Fairley, John	Cambridge
Dickinson, Joseph (d.)	Norris	Farrell, Hugh	Monica
Dickson, Wm. W.	Colchester	Faust, Jacob	Pinckneyville
Deitrich, Philip	Freeburg	Fellows, C. P.	Schuline
Dills, Martin	New Burnside	Fenwick, Geo. A.	Danville
Dilts, Harvey	Glasford	Finnell, Wm.	Middle Grove
Dilts, Claud C.	Fairview	Filker, George	Farmington
Dixon, A.	Princeville	Fink, Frank	Truro
Dixon, J. E.	Kewanee	Fish, William	Appleton
Docherty, Jos. R.	Pre-emption	Fisher, W.	Murrayville
Dodds, T.	La Fayette	Fisher, N. J.	East Peoria
Doering, Wm. F.	East Peoria	Fisher, Alcide	Brighton
Dolan, Peter	Wataga	Flemming, Thos.	Morris
Doner, Louis	Green River	Fletcher, Charles	Princeton
Donahue, Edward	Sheffield	Flynn, William	Briar Bluff
Dorsey, Charles W.	Kedson	Foley, William H.	Mapleton
Doty, L. B.	Truro	Forester, W. M.	Equality
Doughterty, P.	Pre-emption	Fouraker, William	Marietta
Dowell, Allen B.	Campbell Hill	Foster, Geo. W.	Colchester
Downing, Chas.	Danville	Foster, Thurman	Carbondale
Downing, Edward	St. David	Foster, D. I.	Rapatie
Drake, Stephen A.	Canton	Fox, Thomas	Lewistown
Draper, A. L.	Vandercook	France, Wesley	Fairmount
Dryer, Andrew	Danville	France, Michael	Fairmount
Dudley, Z. F.	Knoxville	Francis, Wm. G.	Streator
Duff, Robert G.	Kewanee	Francis, C. W.	Catlin
Duffield, H. H.	Glasford	Frazell, C. A.	Farmington
Dull, E. B.	Tennessee	Frederickson, Andrew	Danville
Duncan, John	Sheffield	French, Strawther	Bradford
Dunn, Harvey	Osecola	French, Alonzo	Yates City
Dunton, John	Canton	Frisby, E. O.	Sparland
Durrant, H.	Brimfield	Frisby, W. E.	Sparland
Durham, Simon	Canton	Frost, Michael	Danville
Dunsford, Charles	Absher	Fry, John	Ray
		Fuller, James K.	Modena
		Fustin, William	Marion
Ebel, August	Belleville		
Eccles, Frank	North Alton	Gaddis, Ed.	Hudgens
Edison, James	Ottawa	Gahn, Henry	Marion
Edwall, C. W.	Galva	Gainey, Wm. T.	Carbon Cliff
Edwards, Thomas	Streator	Gallagher, W. F.	Mode
Edwards, Robert	Ava	Gallowry, John	Glasford
Edwards, T. J.	Crab Orchard	Galbraith, Zacharias	Morris
Edwards, Geo.	Huntsville	Gaines, Thomas	Carbon Cliff
Edwards, David L.	Coal Valley	Garland, Samuel	Kewanee
Edwards, A. G.	New Burnside	Gary, George	Ray
Edwards, John	Danville	Geisler, Henry	Brighton
Elmwood, A. B.	Kewanee	Gedelman, E. F.	Freeburg
Elker, Geo. L.	Knoxville	Gensol, Joseph	Lewistown
Elliott, James	Caseyville	Giebelhausen Gus E.	Peoria
Elliott, Matin O.	Fairview	Gergens, Martin	Pinckneyville
Elliott, Colvin	Fairview	Gerlach, Geo. F.	Sparta
Ellis, Ross M.	Danville	Gilbride, Frank	Morris
Emberling, Geo. H.	Ellisville		

*Mine Managers (Ten Men), Certificates of Competency—Continued.*

Name.	Postoffice.	Name.	Postoffice.
Gilderoy, W. W.	Moumouh.	Heintz, A. F.	Kickapoo.
Giles, R. W.	Danville.	Heitzman, Jacob	Bartonville.
Gillette, Charles.	Elmira.	Heitzman, Xaver	Bartonville.
Gillis, Neal M.	Winchester.	Hendee, Isaac.	Bernadotte.
Gillis, Fred F.	Danville.	Henry, Samuel.	Danville.
Gilligan, Jackson.	Industry.	Henson, John E.	Denmark.
Gladfelter, C. W.	Victoria.	Hennemann, Charles.	Belleville.
Gladwell, David.	Breeds.	Herman, John.	Oraville.
Glenn, John.	Briar Bluff.	Herman, John.	Kewanee.
Goble, Frank M.	Industry.	Heckstrom, E.	Victoria.
Golden, James.	Kewanee.	Herrington, Thomas.	Princeton.
Golden, Richard.	Kewanee.	Herseman, Herman.	East Peoria.
Goode, Joseph.	Lombardville.	Hewitt, William B.	Chenoa.
Goss, Samuel.	Norris.	Hews, W. B.	Canton.
Goody, W. S.	Brimfield.	Hibberd, Lewis W.	Peoria.
Grant, August.	Kewanee.	Hickson, David.	Ottawa.
Gray, Ernest.	Kewanee.	Hicks, Wm. E.	Crab Orchard.
Greear, William.	Coal Valley.	Hickman, Willis.	Frederick.
Green, Samuel J.	Colchester.	Hickman, John.	Chapin.
Green, Henry.	Canton.	Higbee, Lawrence.	Princeville.
Green, Clarence.	Sparland.	High, Charles.	Danville.
Green, Milton.	Keithsburg.	Hissong, Charles.	Tilden.
Grice, Albert.	Kewanee.	Hibbard, George A.	Limestone.
Griffiths, Edward.	Roodhouse.	Hilliard, E.	Colchester.
Griffiths, Thomas W.	White Hall.	Hillier, Walter T.	Carbondale.
Griffiths, D.	Caseyville.	Hillier, Jesse.	Rapatee.
Griffiths, James.	Grape Creek.	Hind, Robert.	Salisbury.
Griffiths, Joseph F.	Moline.	Hinderer, Frank.	Frederick.
Griggs, Allison.	Brimfield.	Hoar, William.	Colchester.
Grim, David J.	Victoria.	Hobby, Wm. H.	Colchester.
Grossman, Louis.	Smithton.	Hodge, S. M.	Danville.
Groszweller, Joseph, Jr.	Pekin.	Hodge, John W.	Rushville.
Groth, John.	Carbon Cliff.	Hodge, Benjamin, A.	Danville.
Groy, Max.	Kewanee.	Hodgett, Absalom.	Kewanee.
Guckert, P. P.	Hampton.	Hodgson, Wm.	Colchester.
Gunnett, A. J.	Fairview.	Hodson, James.	Danville.
Gurten, Louis.	Pinckneyville.	Hoenback, Wm. E.	Rapatee.
Gustafson, Edward.	Wanlock.	Hogercamp, Walter.	Pontiac.
Guy, Thomas.	Colchester.	Hohimer, Harry.	Petersburg.
		Holley, Wm. G.	Wyoming.
		Holman, W. A.	Vandercook.
		Homer, R. H.	Lebanon.
Hagey, Wm. H.	Lewistown.	Horrocks, Benj.	Henry.
Haiding, James A.	Wyoming.	Hosby, Joseph.	Danville.
Hall, John.	Colchester.	Houseman, Fred.	Fosterburg.
Hall, John.	Grape Creek.	Howard, Daniel.	Georgetown.
Hall, Charles.	Dunfermline.	Howard, Charles.	Modena.
Hall, Geo. W.	Newton.	Howe, Wm.	Streator.
Hallar, W. C.	Canton.	Huber, W. H.	Lewistown.
Hamilton, Gail G.	Westville.	Hughs, John.	Petersburg.
Hamilton, John W.	Frederick.	Huffman, Wm.	Pre-emption.
Hamilton, John.	Cuba.	Huggins, L. D.	Canton.
Hamilton, William.	Westville.	Huggans, D. E.	Streator.
Hammon, John, Jr.	Millstadt.	Hudson, Samuel.	White Hall.
Hammett, Otho J.	Chillicothe.	Humes, Michael.	Colchester.
Handly, John L.	Coal Valley.	Hummel, John A.	St. Johns.
Haney, J. B.	Exeter.	Hunter, Horace L.	Briar Bluffs.
Hanmann, Wm.	Okawville.	Hurst, John.	Belleville.
Harbaugh, Geo. W.	Chesterfield.	Hurst, Lot.	Bartonville.
Harnisch, Ernest.	Brighton.		
Harpole, Geo.	Golden Eagle.		
Hartman, Geo.	Millstadt.		
Harrington, Frank.	Farmington.	Isackson, Martin.	Wataga.
Harrington, D.	Danville.	Isaacson, P. O.	Wataga.
Harris, A. J.	Tilton.	Ingram, Robert H.	Sparlaud.
Harris, David.	Hanna City.	Ingram, J. S.	Harrisburg.
Harris, Oliver.	Canton.	Ingram, Amos.	Marion.
Harris, James S.	DuBois.	Irwin, James.	Green River.
Harris, Hardy.	Catlin.	Irwin, Fred.	Smithton.
Harrman, John.	Peoria.	Irwin, Harry.	Petersburg.
Harvey, John.	Murphysboro.	Ivans, W. A.	Cottage Grove.
Haskins, Alfred.	Grape Creek.		
Hatfield, Charles.	Danville.	Jacobs, John.	Wataga.
Hauck, Henry L.	Fosterburg.	Jacobs, Claude.	Danville.
Havens, Bert.	Truro.	Jacobs, Ora E.	Bradford.
Hayes, C. G.	Kewanee.	Jaquot, Augustare.	Danville.
Hayes, C. L.	Brimfield.	Jack, John.	Marion.
Heathcock, George.	Princeton.		
Heather, James.	Morris.		

## Mine Managers (Ten Men), Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Jamieson, E. J.	Loding	Knickerbocker, Edwin	Fairview
Jamieson, Guy	Loding	Kirkbridge, John	Vermont
Jarrell, Miles	Cottage Grove	Knoth, John	Roodhouse
Jayne, Richard	Cnba	Kohlman, Fred	Rapid City
Jenkins, D. A.	Danville	Kortkamp, A.	North Alton
Jenner, A. T.	Pinckneyville	Kras, Frank	Edwardsville
Jennings, P. M.	Industry	Kund, Gustave	Exeter
Johnson, Arthur	Belleville		
Johnson, Albert	Victoria		
Johnson, C. E.	Canton	Lamay, David	Monica
Johnson, Gus	Kewanee	Lamb, Edwin	Kewanee
Johnson, Cornelius F.	Middletown	Lamb, John	Maple Hill
Johnson, Ashford	Hanna City	Lambert, Austin H.	Keensburg
Johnson, J.	Farmington	Lane, James	Peoria
Johnson, Benjamin	Smithboro	Laity, Richard	Colchester
Johnson, J. E.	Dunfermline	Lauf, Jacob	Belleville
Johnston, James II.	Wyoming	Laner, Nick	Pinckneyville
Jones, W. L.	Bradford	Lawrien, John	Old Berlin
Jones, C. S.	Sato	Lealard, John	Grape Creek
Jones, W. W.	Bradford	Lebendorfer, C. W.	Pre-emption
Jones, A. J.	Peoria	Lee, Thomas	Youngstown
Jones, William	Colchester	Lee, James	Alexis
Jones, A. H.	Colchester	Lee, Frank	Breeds
Jones, James A.	Winchester	Lee, John	Breeds
Jones, James H.	Streator	Leeper, Charles W.	Cable
Jones, John L.	Peoria	Lendquist, O. W.	Equality
Jones, Jackson	Winchester	Leeper, Charles W.	Galesburg
Jones, W. H.	Catlin	Leverich, O. G.	Danville
Jones, Wm. J.	Kewanee	Lewis, Charles E.	Cambridge
Jones, Evan A.	Catlin	Lewis, Thomas	Carterville
Jones, Arthur	Viola	Liewrance, B.	Youngstown
Jones, Thomas	Peoria	Lillman, Alfred	Cable
Jones, Andrew	Winchester	Lincoln, E.	Kewanee
Jones, William	Mapleton	Lind, Charles	Danville
Jones, John	Clark City	Linden, P.	Canton
Joos, Conrad	Peoria	Lind, August	Danville
Joedan, Will	St. David	Lindbeck, P.	Wataga
Jordan John L.	Trivoli	Lindsay, P. A.	Middle Grove
Jordan, E. S.	Newton	Lingast, L.	Grape Creek
Joubost, George	Grayville	Lingenfelter, J. R.	Canton
Jourdan, Wm. L.	Smithton	Link, Alex E.	Sunny Hill
Joyce, C. T.	Canton	Little, George	Roseville
		Little, John T.	Roodhouse
		Little, J. H.	Roodhouse
Kabel, Herman	Moro	Littlefield, Joseph	Brimfield
Kabel, Geo.	Moro	Lively, James	Freeburg
Kavanaugh, J. A.	Colchester	Llewellyn, Edw.	Danville
Kay, James	Atkinson	Lloyd, Elisha	Danville
Kay, William H.	Morris	Lloyd, Benj. F.	Danville
Kay, Bert	Atkinson	Lloyd, D. E.	Danville
Kay, Robert	Briar Bluff	Long, C. E.	Danville
Kay, William G.	Atkinson	Lockane, David L.	Lewistown
Kelly, Thomas	Grape Creek	Lock, Wm. H.	Cnba
Kelley, George I.	Ramond	Lodging, E.	Lodging
Kear, George G.	Sparland	Loper, J. B.	Chesterfield
Kearney, John	Shelbyville	Lord, James	Galva
Keel, W. L.	Stonefort	Lowry, Samuel	Lewistown
Keen, A. G.	Friendsville	Loy, D. O.	Atkinson
Kemerling, James	Sheffield	Lucking, Edward J.	Fosterburg
Kempin, Henry	Kewanee	Lucking, Lewis	Brighton
Kerr, William	Rushville	Lucking, Chas. H.	Brighton
Kershaw, J. W.	Briar Bluff	Lunceford, John H.	Bunker Hill
Kidd, J.	Roseville	Luehrs, G. Henry	Campbell Hill
Kielhorn, Wm. C.	Shawneetown	Lyle, Charles W.	Brighton
King, Ambrose L.	Victoria	Lyons, Maxwell	Coal Valley
King, D. B.	Ellisville		
Kilgore, Wm. T.	New Burnside		
King, Joseph	Pekin	Mable, William	Fairview
King, Henry R.	Campbell Hill	Magnusson, Elof	Danville
King, Isaiah	Wyoming	Magee, Patrick	Breeds
Kingston, Paris	Equality	Mahler, G. W.	Ray
Kimes, Oscar	Streator	Malone, Harry	Duquoin
Kipling, William	Colchester	Mallergren, James W.	Petersburg
Klingenfus, Emil	Belleville	Maines, William	Golden Eagle
Kineman, John	Ipava	Mansill, Richard	Rock Island

*Mine Managers (Ten Men), Certificates of Competency—Continued.*

Name.	Postoffice.	Name.	Postoffice.
Market, Albert	Roodhouse	Morris, Mordica	Fiatt
Martin, A. M.	Greenfield	Morris, Geo. J.	Millersburg
Martin, William, Sr.	Colchester	Morgan, Charles	Oneida
Martin, G. W.	Loac	Morgate, W. B.	Cuba
Martin, J. B.	Laoc	Mordue, Geo.	Colchester
Martin, J. W.	Farmington	Mosher, Charles	Etherly
Martin, Fred.	Peoria	Moss, Oliver	Vergennes
Martin, John H.	Canton	Morton, T. J.	Danville
Martin, Patrick	Peoria	Mowbray, Jno	Atkinson
Martin, William, Jr.	Colchester	Muir, George	Victoria
Martin, David A.	Canton	Muir, Richard	Peoria
Martin, Geo.	Kewanee	Munts, William	Streator
Marriage, Joseph	Grape Creek	Mulvany, Chris.	Farmington
Marxer, Joseph	Millstadt	Murphy, Fred.	Belleville
Marshall, G. A.	Cuba	Murphy, Led	Monmouth
Marshall, J. C.	Caseyville	Murphy, Hiram	Macomb
Mason, Frank A.	Carbondale	Murphy, James	Belleville
Marley, Richard	Adkinson	Murphy, J. J.	Fairview
Marley, Robert	Adkinson	Murphy, Chas. H.	Canton
Margins, D. J.	Cuba	Murphy, W. H.	Canton
Massey, Jesse	Streator	Murcheisin, Kenneth	Kewanee
Mathew, T. J.	Stonefort	Murray, Samuel	Monmouth
Matsinger, Theodore	Crab Orchard	Mustard, Elijah	Canton
Matson, Andrew	Williamsfield	Muzzy, William H.	Peoria
Mauck, Joseph	Danville	Myers, W. H.	Carbondale
Mauck, L. F.	Danville	Myers, Geo.	Ottawa
Maywood, Henry	Gilchrist	Myers, Perry	Bethalto
May, James	Lewiston	Myers, Chas. A.	LaHarpe
Medearis, Jas.	Henry	McAnnally, Jno.	North Alton
Meiker, R. F.	Danville	McBride, W. T.	Fairview
Melvin, Leo	Kewanee	McBroom, Charles	Canton
Melvin, R.	Kewanee	McBroom, Mahlon	Canton
Mellegram, John	Petersburg	McCartney, C. T.	Alexis
Meller, Louis	Brighton	McDaniel, Chas. C.	Wyoming
Memmer, L.	Canton	McClure, Marion	Colchester
Mercy, Geo.	St. David	McCullough, Jas.	Ottawa
Mercer, L. W.	St. John	McCoun, Milo	Carterville
Mercer, Robert	Vermont	McDaniels, Theodore T.	Wyoming
Morrow, G. W.	Crab Orchard	McDonald, Samuel	Moro
Merrill, R. M.	Campbell, Hill	McElwee, Charles P.	Winchester
Merideth, A. R.	Herrin	McGovern, T. B.	Oneida
Mescher, W. T.	LaHarpe	McGovern, S.	Oneida
Mertz, Wm. M.	Ottawa	McGee, Mike	Johnston City
Miller, B. F.	Viola	McGuire, John	Aley
Miffs, Henry	New Douglas	McGuire, Patrick	Winchester
Milan, Daniel	Soperville	McIntire, Geo.	Industry
Milan, Joseph	Soperville	McIntire, James	Aledo
Meyer, John	Victoria	McKananan, Szmuel R.	Alexis
Miller, John W.	Laura	McKane, R.	Galva
Miller, William	Caseyville	McKeen, William H.	Danville
Miller, George A.	Danville	McKiney, Charles	Cottage Grove
Miller, Silas	Grape Creek	McLain, William H.	Equality
Miller, Elzia	Grape Creek	McLaughlin, Joseph	R. F. D. No. 5
Miller, Smith	Mapleton	McMichael, T. M.	New Burnside
Miller, L. S.	Grape Creek	McMilan, William J.	Streator
Miller, George A.	Danville	McNaught, Henry	Williamsfield
Miller, C. G.	Youngstown	McNeil, Wm.	Griffin
Miller, Wm. J.	Cable		
Mitchell, J. C.	Derby		
Mitchell, Robert T.	Prairie town	Nace, C. B.	Farmington
Mitchell, Robert J.	Shawneetown	Neave, James	Mineral
Mobaker, John	Danville	Neal, William	Bunker Hill
Molloy, John	North Alton	Nelson, James	Knoxville
Monroe, Archie	Carriers Mills	Nee, John J.	Colchester
Montgomery, John	DeSoto	Nelson, Louis	Streator
Montooth, Chas.	Bradford	Nelson, Neis	Ottawa
Mootman, Mark	Illinois City	Nelson, John S.	Morris
Morrison, Alva	Modena	Nelson, Chris.	Chandlerville
Morse, F. H.	Middle Grove	Nelson, Andrew	Fairview
Moore, John K.	Orien	Nenneker, Andy	Bushnell
Moore, Nanly	Saline Mines	Nenneker, Fred.	Bushnell
Moore, W. F.	Victoria	Nesbit, Thomas	Ava
Moore, Sim J.	Cottage Grove	Neville, Wm.	Catlin
Moran, Michael F.	Sheffield	Newell, J.	Sparland
Morrison, D. D.	Danville	Newton, F. B.	Modena

*Mine Managers (Ten Men), Certificates of Competency—Continued.*

Name.	Postoffice.	Name.	Postoffice.
Newton, Geo. H.	Toulon.	Powers, James	New Burnside
Newton, B. F.	Bradford	Powell, Cliff.	Fairmont
Nibbelin, John	Elwood	Powell, John A.	Mapleton
Nighswonger, Asa	Sparland	Pratt, William	Danville
Nodeon, E. W.	Wataga	Presson, J. A.	Carbondale
Norein, A. G.	Sheffield	Price, John	Wyoming
Norris, Floyd	Duquoin	Price, Clarence H.	Macomb
Nozley, Alfred	Golden	Price, Gilford	Marion
Nyde, John E.	Galva	Proctor, Christopher	Elmwood
		Pugh, Geo. J.	Ava
O'Brian, William	Cuba	Putnam, Jonah S.	Danville
O'Briant, James	Georgetown	Putnam, Lewis	Dunfermline
O'Daniel, Arthur	Danville	Pyle, Joseph F.	Kewanee
Oldham, Samuel	Colchester		
Oldham, Ralph	Colchester	Quanstrom, Charles	Victoria
Oliver, C. W.	Breeds		
Olson, August	Grape Creek	Raddlebeck, Joseph	Brimfield
Odum, D. B.	Carrier Mills	Raffle, Robert	Farmington
Osburn, Thomas L.	Eagle	Rains, Charles	Oraville
Owens, Orbly G.	Stonefort	Rakestraw, John W.	St. David
		Rand, John	Bryant
Pahlman, H.	Bluffs	Rands, Thomas	Chesterfield
Parker, William	Milan	Ratliffe, Arthur	Neponset
Parker, W. G.	Winchester	Ratley, Charles	Cypress Junction
Parle, Sylvester	Danville	Ray, A. B.	Catlin
Parle, James	Danville	Rayse, Charles	Danville
Farr, Sam	Fairview	Ramsden, John H.	Aledo
Farr, Joseph	Princeville	Ratley, James E.	Equality
Farthan, M.	Sato	Rauft, Edward	Bluffs
Fatton, Wm. A.	Kramm	Ray, William	Danville
Paul, John	Sheffield	Ray, Charles A.	Carbondale
Payne, Charles C.	St. John	Rayborn, George	Winchester
Pearson, William M.	Astoria	Reed, William	Soperville
Pearson, John	Colchester	Rennick, William C.	Modena
Peck, E. E.	Canton	Reed, W. B.	Wilsman
Pendergast, John	Soperville	Reed, John	Herrin
Penman, James	Streator	Reed, John H.	Breeds
Penman, William	Pre-emption	Reeve, Ed	Glasford
Penn, George	Belleville	Reib, Conrad	Belleville
Penn, Henry	Brimfield	Reld, J. Thomas	Saline Mines
Perkins, John E.	Osecola	Reinhardt, Frank	Wataga
Perkins, J. B.	Ray	Reinhardt, Conrad	Blair
Perdue, Joseph	Hudgens	Reiff, Jacob	Kewanee
Perry, D. E.	Colchester	Rettle, Frank A.	Belleville
Peters, Bernard	Swansea	Reisinger, Chas. L.	Pineckeyville
Peters, M.	Streator	Reeves, John	Hudgens
Peters, Guy H.	Victoria	Revis, J. H.	Roodhouse
Peterson, August	Soperville	Reynolds, James	Colchester
Peterson, Nicholas	Osecola Twp.	Renshaw, John	Eden
Peterson, Frank E.	New Windsor	Reese, Lemuel	Streator
Petrie, George	Pekin	Rhoades, Benjamin	Shelbyville
Phillips, Sebirt	Carbondale	Ribley, R.	Cuba
Phillips, Geo. A.	Cartersville	Richardson, John	Shelbyville
Preston, Bryan B.	Cable	Richardson, William	Moro
Presswood, C.	Pineckeyville	Richards, Thomas	Ottawa
Price, Benjamin	Kewanee	Rieh, John C.	Carbondale
Piehton, Joseph	Danville	Richard, George	French Village
Pickett, George	Danville	Richey, C. H.	Peoria
Peacock, Henry C.	Green River	Riegels, Adolph	Golden Eagle
Pistor, William	Milstadt	Riley, J. R.	Breeds
Polonius, George	Colchester	Riley, Michael	Braidwood
Polhemus, A. B.	Danville	Riley, Cyrus W.	Mineral
Pollit, James H.	Canton	Riley, Elero	Atkinson
Pollitt, G. A.	Canton	Ringer, Benjamin	Morris
Poole, Plummeh	Danville	Rink, Ernst H.	Fosterburg
Poole, Benjamin	Rushville	Riordan, John H.	Pineckeyville
Poore, William	Kickapoo	Robbins, J. W.	Glasford
Posten, M. W.	Briar Bluff	Robinson, Benjamin	Wyoming
Porter, William H.	Macomb	Robinson, William	Colchester
Porter, H. C.	Cuba	Robinson, J. M.	Elmira
Porritt, Thomas	Cartersville	Robinson, John W.	Wyoming
Portwood, James	Lewistown	Robinson, Robert	Wyoming
Potter, L.	Mapleton	Robinson, Walter	Mapleton



*Mine Managers (Ten Men), Certificates of Competency—Continued.*

Name.	Postoffice.	Name.	Postoffice.
Robinson, William H.	Macomb	Smith, Geo. W.	Colechester
Roberts, Evan D.	Streator	Smith, James	Princeton
Roberts, David	Orchard Mines	Smith, B. F.	Modena
Roberts, Henry F.	Modena	Smith, John	Frederick
Roddis, Charles	Ipava	Smith, Arthur	Vermont
Roddis, William	Ipava	Smith, Thomas B.	Streator
Rodamski, Wm.	Gilechrist	Smith, Thomas	Ottawa
Rodell, Frank	Wataga	Smith, Charles	Sparland
Rogers, David	Kickapoo	Smith, John	Danville
Rohr, Joseph C.	Alexis	Smith, Leonard	Atkinson
Roland, Adolph	Grape Creek	Smith, Samuel S.	Canton
Romime, Wilson	Youngstown	Sornberger, John	Victoria
Romime, William	Roseville	Sowerly, Joseph	Streator
Ronk, G. H.	Canton	Spangler, H.	Danville
Rook, John	Brimfield	Spangler, Charles	Danville
Roosa, V. L.	Pleasant View	Sparks, Charles	Crab Orchard
Rose, James	Equality	Sparks, Edgar	Astoria
Rowden, C. F.	Cuba	Spencer, Charles	Victoria
Royse, Sylvester	South Danville	Spiller, Henry	Herrin
Ryan, Philip	Ashland	Spitzner, Jacob	Equality
Russell, John R.	Danville	Sponsier, Elmer	Carbondale
		Springman, Ed	Brighton
		Springs, B. H.	Pinckneyville
Sackville, James	Coal Valley	Stader, W. H.	Equality
Sample, John	Laura	Starrick, A. J.	Marion
Saunders, W. G.	Monica	St. Clair, James A.	Macomb
Saunders, David T.	Peoria	Stevens, Isaac	Cuba
Saube, John J.	Peoria	Staton, Joseph	Pekin
Savill, Charles A.	Canton	Sterling, B. H.	New Athens
Savill, Jesse	Modena	Stevens, John	Cuba
Scanlon, M. C.	Canton	Stewart, Wm	Colchester
Schaefer, William	Danville	Steiner, Daniel F.	Atkinson
Shilling, Dominic N.	Belleville	Stine, William	Danville
Schmidt, August	Millstadt	Stocker, Jacob F.	Arenzville
Schmidt, George	Millstadt	Stoehr, Edward	Carbon Hill
Schmidt, John J.	East Peoria	Stone, Isaac	Colchester
Schmidt, Louis	Peoria	Stone, William	Colchester
Schmidgall, Jno. L.	Murphysboro	Stone, Charles	Colchester
Schneider, Joseph G.	Pinckneyville	Stone, Thomas	Carbon Cliff
Schole, William	Kickapoo	Stoneking, A. L.	Fandon
Schroeder, Fred C.	Coal Valley	Stoneking, G. W.	Birmingham
Schultz, Fred	Braceville	Stookey, Elijah	Colchester
Schuster, John E.	East Peoria	Storey, Harry	Toulon
Schimidt, J. B.	Virgennes	Stout, M. J.	Fairview
Scott, John	Modena	Straley, J. E.	Canton
Scott, James	Wyoming	Straley, James H.	Norris
Scott, Frank	Danville	Strand, Charles	Roseville
Selbrick, J.	Monmouth	Stretch, William	Shelbyville
Sebek, John	Braidwood	Strewbinger, Conrad	French Village
Sellars, George	Winchester	Street, A. R.	Peoria
Seffer, Henry	Peoria	Stricklin, Thomas A.	Marion
Sergeant, Frank	Belleville	Stoeton, O. F.	Rushville
Schaefer, Michael	Ava	Strong, Ralph	Pleasant View
Shafer, Solomon	Summun	Strong, William	Junction
Shea, John G.	Danville	Strong, J. P.	Shawneetown
Sherbine, Abe	Macomb	Stufflebeam, Marion	St. David
Sherrett, James	E. Peoria	Stroud, William	Marion
Sherman, Opp	Collinsville	Suggert, William	Breeds
Shreffler, R. D.	Pekin	Suggert, William	Breeds
Shelton, W. J.	Cottage Grove	Summerson, John	Coal Valley
Shepherd, Wm. A.	Catlin	Summerson, Robt.	Coal Valley
Shore, William	Chandlerville	Suydam, John	Victoria
Silvis, S.	Carbon Cliff	Swanson, Axel	Cable
Simmons, Alfred B.	Roodhouse	Swanson, Otto	Cable
Simons, William H.	Monica	Swanson, Andrew	Colchester
Sincox, John	Alexis	Swanson, John	Danville
Simpson, Charles	Wataga	Sweeney, Charles P.	Vermont
Simpson, Newton M.	Ray	Swafford, William	Duquoin
Simpson, Joseph	Youngstown	Swan, Chas. W.	Marion
Simpson, Gust A.	Oneida	Switzer, James	Astoria
Sitting, H. P.	Stonefort	Swisher, John	Danville
Silment, James	Center Station	Swisher, Trumont	Danville
Sloan, Miles B.	Etherly	Swope, George	Ipava
Smith, John	Atkinson	Sydall, Peter	North Alton
Smith, A. J.	Saline Mines		

*Mine Managers (Ten Men), Certificates of Competency—Continued.*

Name.	Postoffice.	Name.	Postoffice.
Tarpley, W. S.	Marion	Wagner, John W.	Millstadt
Tanner, Anderson	Absher	Waine, James	Atkinson
Tattersoll, George	Seneca	Wainwright, Arthur	Sweetwater
Taylor, James	Belleville	Wahlburg, Albert	Knoxville
Taylor, Robert	Princeville	Walck, Peter S.	Farmington
Taylor, Francis	Blandinsville	Walker, James	Mapleton
Taylor, Jno. S.	Neponset	Walker, Otis	White Hall
Taylor, J. W.	New Burnside	Wallis, D. J.	New Burnside
Taylor, Samuel	Avon	Walsh, John	Truro
Teague, James	Winchester	Walsh, John	Milan
Teel, James	Industry	Walton, A. W.	Princeton
Teel, Aaron	Onida	Ward, J. D.	Pulley's Mill
Telfer, John K.	Morris	Watkins, W. J.	Danville
Telfer, John W.	Morris	Waystaff, Charles	Murrayville
Tesdale, Henry	Morris	Watkins, Joe.	Chenoo
Thomas, Lewis E.	Danville	Watts, Alexander	Paris
Thompson, Jacob	Grape Creek	Watson, William	Wyoming
Thompson, James F.	Ray	Watson, James	Carterville
Thompson, D. L.	Marion	Waugh, Robert	Equality
Thompson, Joseph	Etherly	Wayland, James	Colchester
Thompson, Joe.	Grape Creek	Weimer, J. R.	Cambridge
Thompson, John D.	Macomb	Wearmouth, Thomas	Youngstown
Thom, Benjamin	Etherly	Webster, T. J.	Danville
Thomas, William	Streator	Webster, William	Colchester
Thomas, James	Danville	Webster, A. J.	Danville
Thomas, George	Sheffield	Wellman, John N.	Paris
Thomas, Samuel	Catlin	Weiss, W.	Belleville
Thurston, John H.	Wyoming	Wells, E. W.	Briar Bluff
Tillery, Wm.	Duquoin	Welford, T. H.	Absher
Tingley, Perry J.	Vermont	West, John C.	Fine Grove
Todd, Ralph	Kewanee	West, John A.	Fine Grove
Todd, Geo. B.	Catlin	Westerby, George	Farmington
Todd, John	Victoria	Westerlund, John	Streator
Toney, A.	Grape Creek	Whalen, M., Jr.	Colchester
Tomkins, C. S.	Mineral	Wheelhouse, Samuel D.	Rushville
Tompkins, Harvey	St. David	Whittaker, Aaron	Danville
Towner, L. H.	Bluff City	White, Charles F.	Wyoming
Tracy, Edwin F.	Beardstown	White, Charles	Pawnee
Treasurer, William	Essex	White, M. C.	Elmwood
Travelstead, J. W.	Stonefort	White, Henry	Bartonville
Tucker, Charles	Mineral	White, William J.	Frederick
Tucker, Edward	East Peoria	White, John A.	Canton
Tucker, P. F.	Whitehall	Whites, Fred	Tallula
Tulk, M. B.	Colchester	Whitehurst, M. V.	Maple Hill
Tully, P. F.	Brimfield	Whitehead, John	Coal Valley
Turner, John	Lewistown	Wlynn, William E.	Oak Hill
Turner, George	Lewistown	Wickweier, H. H.	Danville
Twiney, William A.	Shelbyville	Wilkinson, M. C.	Astoria
Tygett, John	Carbondale	Wilcox, Wilson	Hedron
Tyla, H.	Wataga	Wilkins, Jefferson	S. Danville
Tyler, Church	St. David	Wiley, Hiram	Mode
Tyson, Thomas	Marion	Williams, Joseph	N. Alton
		Williams, Andrew	Kewanee
Underwood, J. H.	Equality	Williams, James F.	Tiskilwa
		Williams, Jerome	Pre-emption
		Williams, Joseph	Colchester
		Williams, W. J.	Laoc
Vandyke, William	Canton	Williams, W. P.	Tiskilwa
Van Norman, Samuel P.	Mapleton	Williams, Oren	Rapatee
Van Norman, Norman	Peoria	Williams, Daniel	Boden
Von Ach jr, Fred	Hampton	Williams, Alfred	Canton
Varner, Wilson	Marletta	Williams, Dan	Grape Creek
Vaughn, Elijah	Jubilee	Wilkinson, J. F.	Oraville
Vaughn, William	Jubilee	Willis, Alex.	Mapleton
Vaught, John H.	Shawneetown	Willis, Charles	West Jersey
Vezain, George	Ottawa	Wilson, George	Colchester
Vice, Henry	Fairview	Wilson, John	Duquoin
Vickery, Henry	Pottstown	Wilson, M. H.	Macomb
Vogt, Leon	Shawneetown	Wilson, A. E.	Blandinsville
Vonach, Henry	Cuba	Wilson, Thomas E.	Swan Creek
		Wilson, Joseph	Danville
		Wilson, Anthony	Marion
Wages, E.	Canton	Wilson, George	Carterville
Wager, August	Kewanee	Wilson, Arthur	Rio
Wagner, Louis M.	Belleville	Wilstead, Thomas	

*Mine Managers (Ten Men), Certificates of Competency—Concluded.*

Name.	Postoffice.	Name.	Postoffice.
Wiley, Lincoln .....	Macomb .....	Woodward, W .....	Soperville .....
Winchouse, W .....	Danville .....	Woodward, Frederick .....	Fairmount .....
Wings, James .....	LaHarpe .....	Wonders, Henry .....	Streator .....
Wirming, Robert .....	Sato .....	Worthington, H .....	Streator .....
Wisley, H. C. ....	Vergennes .....	Wren, T. K. ....	Morris .....
Wiseman, Ernst .....	Peoria .....	Wright, Joseph .....	Fairbury .....
Witt, John D. ....	Paris .....	Wright, Hiram .....	Danville .....
Wolf, Jacob .....	Danville .....	Wytycherly, Ed .....	Peoria .....
Wolf, Theodore .....	Bethalto .....		
Wonderling, Henry .....	Darville .....		
Wood, Benjamin .....	Pinckneyville .....	Yerman, Timothy .....	Cuba .....
Woodcock, William H .....	Etherly .....	Young, John A. ....	Carterville .....
Wood, Samuel .....	Saline Mines .....	Young, S. J. ....	Griffin .....
Woodbury, John .....	Green River .....		
Woodcock, Edward .....	Dunfermline .....		
Woods, James .....	St. David .....	Zetter, Albert .....	Freeburg .....
Woodard, John .....	Oakwood .....	Zink, G. W. ....	Peoria .....
Woodbridge, Thos. H. ....	Marion .....	Zah, John .....	Mt. Pulaski .....

## HOISTING ENGINEERS HOLDING CERTIFICATES OF COMPETENCY.

This list includes all the hoisting engineers to whom certificates have been issued prior to January 1, 1908.

Name.	Postoffice.	Name.	Postoffice.
Abeock, C. F.	Nilwood	Baird, Robert	Sparta
Ablen, Henry	Breese	Baker, Darius N.	Spillertown
Adams, Nelson	Lincoln	Baker, F.	Springfield
Adams, William H.	Braidwood	Baker, James E.	Westville
Ainsworth, Samuel, Jr.	Taylorville	Baker, C. H.	Fairmount
Aitken, T. G.	Tilden	Balsler, Henry	Springfield
Aikens, William	Herrin	Barnhill, H. G.	Assumption
Aitken, J. S.	Tilden	Barnhill, H. G.	Kinmudy
Alexander, Henry	Oglesby	Barnhill, Oscar B.	Herrin
Alexander, W. A.	Roseboro	Barnes, Harry	Norris City
Allan, Edward	Collinsville	Barber, C. E.	Duquoin
Allan, Joseph	Collinsville	Barber, C. W.	Duquoin
Allen, David	Collinsville	Barber, William G.	Tilden
Allen, C. E.	Troy	Barber, Harry	Tilden
Allen, C. H.	Seneca	Barr, Frank	Centralia
Allgood, William	Springfield	Bartram, Perry	Ladd
Altman, H. P.	Collinsville	Barton, C. W.	Cable
Anderson, Henry	Lincoln	Barton, Charles W.	Fairmount
Anderson, J. F.	Pinckneyville	Bateman, Harry	Murphysboro
Anderson, W. C.	Elmwood	Bateman, R.	Murphysboro
Anderson, Norman A.	Princeville	Bates, Thomas W.	Winchester
Anderson, Z. B.	Sparta	Bath, Ameston	Cuba
Anderson, Charles E.	Belleville	Barwick, Charles	Carterville
Andrews, Solomon	Girard	Baumgartner, George J.	Edwardsville
Andrews, F. R.	Barclay	Beard, Charles A.	Streator
Anthony, John C.	Belleville	Beam, Amos	Tice
Appleby, John	East Peoria	Beatty, James H.	Mascoutah
Appleton, Thomas	Virden	Beatty, George W.	Mascoutah
Archer, Joseph	Barclay	Beatty, Neptha	Mascoutah
Archibald, David	Freeburg	Beck, Peter L.	Springfield
Armentrout, Martin	Duncan	Becker, Fritz	Mt. Olive
Armstrong, W. B.	Harrisburg	Beckkham, John J.	Glen Carbon
Armstrong, C.	Muncie	Becker, F. M.	Sandoval
Armstrong, William C.	Marion	Beharelle, Alfred	Mapleton
Arterberry, Albert	Carterville	Behrend, A. D.	Springfield
Ashcraft, Charles C.	Pana	Beeby, William	Springfield
Ashman, Joseph L.	Murphysboro	Beese, John E., Jr.	Belleville
Ashman, Joseph	Murphysboro	Beese, Charles H.	Belleville
Ashman, Oscar	Murphysboro	Beeney, Richard	Peoria
Atkin, Robert R.	Tilden	Bell, Chris	Sherrard
Atbans, Arthur N.	Decatur	Bell, Mark	Danville
Atwater, Stephen	Clark City	Bell, Frank	Tallula
Atwood, Newton F.	Johnston City	Belt, W. H.	Centralia
Aughton, Robert H.	Lincoln	Belts, Joseph E.	Belleville
Averill, C. P.	Colchester	Beltz, Joseph L.	Eldorado
Avery, William	Lenz Station	Beltz, A.	Equality
Ax, Henry	Edwardsville	Bent, Austin	Seatonville
		Bennett, William	Staunton
		Bennight, J. E.	Pawnee
		Bently, George	Springfield
Bailey, Charles	Sunfield	Benton, Poolie R.	Herrin
Bailey, James F.	Westville	Benvenuto, Charles	Dawson
Balwir, John	Braidwood	Berens, Peter H.	Coal City
Bailey, Robert	Sunfield		

*Certificates of Competency—Continued.*

Name.	Postoffice.	Name.	Postoffice.
Berg, John	Mt. Olive	Brown, Thomas	Moweaqua
Berkley, N. T.	Cuba	Brown, William F.	Pontiac
Berlin, Henry	Pana	Brown, William H.	Duquoin
Bickerstoff, A. H.	Eldorado	Brown, Edward E.	Sparta
Bienert, J. O.	Spaulding	Brown, William	Murphysboro
Bigelow, A. E.	Spaulding	Brown, Marion	Taylorville
Bigelow, George F.	Spaulding	Brown, Lindolph	Marion
Biggs, W. A.	Herrin	Brubeck, John W.	Pawnee
Birzele, Jacob	Girard	Brueggemann, Michael A.	Belleville
Bixby, Chas. N.	Sparta	Bruggeman, George	Nashville
Blake, Albert	Streator	Bruce, James	Athens
Blackman, Ben.	Dawson	Bryant, Harry E.	Stanton
Blalock, Charles F.	Niantic	Buckley, Calvin W.	Sparland
Blair, George	Streator	Buckellon, Clarence	Catlin
Blue, Jesse	Norris	Buck, W. L.	Cuba
Black, James A.	Troy	Buechler, John	Belleville
Bloomberg, Albert	Sherrard	Bunge, George	Belleville
Billips, Joseph M.	Kewanee	Burbridge, J. W.	Brereton
Boden, J.	Gilchrist	Burgess, Charles E.	Greenview
Boettcher, Alfred	Freeburg	Burke, Riley M.	DeSoto
Boetto, John	Cardiff	Buckholder, Oliver W.	Dewmaine
Boggs, Dow J.	Kewanee	Burlinson, Aaron	Percy
Boggs, E. W.	Galva	Burr, Chauncey	Coulterville
Boggs, G. W.	Galva	Bullock, William	Collinsville
Bohlen, Henry E.	Mt. Olive	Bullock, George R.	Carterville
Bohlander, Edward	Pekin	Bumgarner, Ross	Ledford
Bolton, Mark	Gilchrist	Burke, Robert	Oakwood
Bookstaver, Joseph	Duquoin	Burrell, G. K.	Farmington
Bonnett, John, Jr.	Danville	Burrows, William	Williamsville
Bonnett, A. H.	Collision	Butler, Henry	Pekin
Bonstead, W. P.	Coal City	Butcher, Thomas	Murphysboro
Bonton, Vaughn	Princeville	Butcher, Hansel	Georgetown
Boots, James Franklin	Germanatown	Butt, Thomas R.	Litchfield
Boring, Frank L.	Odin	Byrne, Michael	LaSalle
Boroughs, Wade	Athens		
Bostwick, George	Farmington	Cagle, Alfred	Marion
Boston, William H.	Murphysboro	Cain, Daniel	Ridgley
Boswell, William	Dunfermline	Cain, Daniel P.	Ridgley
Boswell, L. R.	Marion	Cain, John	Ridgley
Bolles, William	Auburn	Callar, Isaac	Pottstown
Bottomley, B.	Paisley	Callier, George H.	Peoria
Boul, Leonard	Belleville	Cameron, Daniel	Pana
Bourne, Archibald	Marion	Camp, John R.	Westville
Bouches, Anatola	Orchard Mines	Campbell, A.	Peoria
Bowen, Geo.	Gillespie	Campbell, Fred	Sorento
Bowler, H. S.	Mt. Vernon	Campbell, T.	Coal City
Bowman, George W.	Duquoin	Campbell, W. J.	Coal City
Boyd, Alex.	Kangley	Campbell, William T.	Cable
Bradbury, R. D.	Carbondale	Cantrell, H. T.	Farmington
Bradenburg, F.	Belleville	Cantrall, Lloyd	Athens
Braden, Charles	Eldorado	Carlson, Alexander	Galva
Bradley, Simon	Edwardsville	Carmichael, Thomas	Springfield
Brants, Elit G.	Pekin	Carmichael, John	Berlin
Bradford, Herman	Mt. Vernon	Carpenter, Charles	Girard
Bradley, William P.	Virden	Carpenter, James T.	Oakwood
Bradshay, Kenneth	Herrin	Carr, Robert H.	Freeburg
Brady, James G.	Peoria	Carrier, M. E.	Carrier, Mills
Brady, Wilbert J.	Seatonville	Carrington, Eugene	Moweaqua
Brasel, S. R.	Centralia	Carsell, Hugh	Moweaqua
Brayfield, Newton	Carterville	Carter, Albert J.	Cutler
Bretz, Anton	Germanatown	Carter, Roy	Barclay
Bretz, Matt	Belleville	Carter, W. E.	Barclay
Brigham, Robert	Tamaroa	Carter, Chas. E.	Willisville
Brigham, William D.	Marion	Casey, W. T.	Johnston City
Briarty, Wm. M.	Duquoin	Carter, Charles H.	Barclay
Broderick, James	Braidwood	Carter, Ernst	Glen Carbon
Bromley, Charles	Coal City	Castleman, W. F.	Springfield
Bromley, George, Sr.	Catlin	Catlin, Horace W.	Harrisburg
Bromley, George, Jr.	Kellyville	Carrington, Wm. S.	Torino
Broughton, George C.	Coffeen	Cauld, James F.	Sorento
Brother, David	Mt. Pulaski	Caulk, Arthur	Sorento
Brown, George A.	Iles Junction	Cearing, Samuel A.	Springfield
Brown, C. T.	Cuba	Chambers, G. W.	Nokomis
Brown, H. L.	Duquoin	Chance, Jesse, Jr.	Farmington
Brown, James A.	Springfield		

## Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Chapman, J. B.	Petersburg	Cowley, George	Cherry
Chapman, William E.	Salisbury	Cox, John	Ledford
Charles, Thomas	Coal City	Cox, William	Rutland
Charley, Ramond	Kangley	Caddock, Robert	Auburn
Charneckey, Walter	Spring Valley	Craft, George	Kangley
Charpenter, Joseph	Braidwood	Craig, Daniel	Danville
Cherry, William	Pawnee	Craig, Daniel G.	Danville
Chesney, O.	Breese	Craig, Daniel	Danville
Chester, David	Springfield	Crenshaw, D. B.	Harrisburg
Chew, Oliver	Sato	Crenshaw, J.	Marion
Chew, B. R.	Carlville	Crews, Jesse	Hallidayboro
Chitwood, William H.	Catlin	Crinigan, Barney	LaSalle
Chorlton, Thomas	Birkner	Crofts, James	Cardiff
Church, Van L.	Duquoin	Croker, Edward	Marquette
Church, William	Marissa	Crouch, Millard F.	Nilwood
Christ, Phillip	Wenona	Crowther, John	Carterville
Clark, Corey	Coal City	Cryder, James F.	Divernon
Clark, Harvey	Westville	Cruickshanks, Robert	Middle Grove
Clark, Christopher	Decatur	Cruickshanks, John	East Peoria
Clark, C. C.	Girard	Cruickshanks, William A.	East Peoria
Clark, C. N.	Duquoin	Crutchers, Zina B.	Taylorville
Clark, John	Marquette	Cummings, George	Pana
Clark, John R.	Virden	Cumming, George A. P.	Gardner
Clark, John	Virden	Cumming, George P.	Sparland
Clark, Quintin	Braidwood	Cummings, Robert W.	Sparta
Clark, Henry L.	Petersburg	Cunningham, William	Swanwick
Claudin, Josh	Pekin	Cutler, Frank H.	Princeville
Clayton, William	Collinsville	Cutler, Scott	Duquoin
Clayton, D. J.	Johnston City		
Clay, Elmer	Kangley	Daenzer, Anton	Glen Carbon
Clay, Harry G.	Taylorville	Dohn, John, Jr.	Belleville
Clickner, C. S.	Witt	Dalhour, Frank C.	Staunton
Clifford, Michael	Kewanee	Dalton, Isam	Yates City
Clifton, William H.	Sparland	Daly, Thomas	Diamond
Cline, John	LaSalle	Dalluge, R. F.	Taylorville
Clink, Charles	Springfield	Dana, John W. C.	Springfield
Coan, James	Westville	Daniel, James	Belleville
Coatney, Grant	Fairmont	Daniels, Joel	Belleville
Coburn, W. A.	Princeville	Daniel, Jacob	Wyoming
Collinton, Charles	Belleville	Dankins, Thomas J.	Braceville
Collingwood, William	Greenview	Darmstader, William	New Athens
Collingwood, Albert E.	Springfield	Dave, R. J.	Glen Carbon
Collins, Walter	Mt. Vernon	Davenport, George	Harrisburg
Collins, John	Birkner	Davenport, Thomas	Harrisburg
Colton, George C.	Carterville	Davis, B. D.	Coffeen
Colwell, W. P.	Canton	Davis, Carl	St. John
Compton, James	Colfax	Davis, Cyrus	Marion
Combs, William	Gillespie	Davis, C. E.	Divernon
Compton, Stephen B.	Sorento	Davis, Frank	St. John
Conboy, Darby	Athens	Davis, James A.	Hillsboro
Conley, John	Streator	Davis, Charles W.	Edinburg
Conley, Clarence	Herrin	Davis, Jackson	Athens
Connelly, J. J.	Murphysboro	Davis, E. E.	Auburn
Conway, John	Collinsville	Davis, Frank	Lincoln
Conway, Michael	Ladd	Davis, Harry J.	Duquoin
Conner, A. B.	Cuba	Davis, James P.	Belleville
Cook, G. E.	Hallidayboro	Davis, John W.	Lake Creek
Cook, John	Peoria	Davis, John	Belleville
Cook, James	Harrisburg	Davis, L. D.	Coffeen
Cook, William D.	Westville	Davis, Thomas	Belleville
Cook, George	Carbon Hill	Davis, Harden	Eldorado
Cook, Tom	Duquoin	Davis, William H.	Fairbury
Cook, John	Elkville	Davis, Charles A.	Belleville
Cook, Phillip	Duquoin	Davison, John G.	St. John
Cooper, J. H.	Nilwood	Davison, Joseph	Sherrard
Colbert, Charles	Divernon	Dawson, Van C.	Spring Valley
Corbin, Earl	Rutland	Dawson, John C.	Streator
Corder, Jesse	Gillespie	Davidson, Arthur	Oakwood
Cornelius, Richard	Fairmount	Daum, Carl	Murphysboro
Cornelius, Arthur	Catlin	Day, James	Peoria
Cottle, Elmer	Buffalo	Day, Benjamin F.	Peoria
Coughlin, John	LaSalle	Dayton, William	Pekin
Cotton, George	Hallidayboro	Deans, Robert	Belleville
Cotton, Thomas	Norris	Deaton, L. B.	Tallula
Coughlin, Peter	LaSalle		

## Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Deaton, William S.	Greenview	Edwards, George W.	Springfield
DeBacher, Thomas	Elmwood	Edwards, Joseph	Coulterville
Decker, William	Oglesby	Elder, Alexander C.	Marissa
Dee, Henry	Glen Carbon	Elliott, Clarence	Bryant
DeJarnett, Thomas	Mt. Vernon	Elliott, Delbert	Canton
Delmore, Frank	Springfield	Elliott, H. H.	Centralia
Delapp, Robert E.	Willisville	Elliott, Henry	Herrin
Delory, William	Westville	Edwards, Thomas	Spring Valley
Dempsey Columbus	Harrisburg	Exis, Daniel B.	Springfield
Dent, Will	Diamond	Ekis, Henry	Ridgely
Dent, Walter	Coal City	Emans, Ransom R.	Farmington
Denton, Fred	Petersburg	Elias, William	Kangley
Derrington, Walter	Herrin	Ellis, Albert	Cable
Denton, O. N.	Coffeen	Elam, Edgar E.	Smithboro
Denton, William	Petersburg	Elemendorf, E.	Belleville
Derrington, Clark	Herrin	Elmore, V. M.	Coffeen
Devlin, Francis	Clark City	Emery, H. W.	Greenville
Dick Robert	Sunfield	English, Thomas	Streator
Dickrotger, Matt	Beckemeyer	Engle, H. P.	Cuba
Dillon, John	Auburn	Erisman, Jacob D.	Niantic
Dillon, William	Auburn	Erisman, Jesse	Niantic
Digman, F. M.	Witt	Estes, W. B.	Danville
Dixon, Frederick W.	Springfield	Evans, Albert	Glen Carbon
Dixon, George	Wenona	Evans, Roderick B.	Girard
Dodd, Samuel H.	Pottstown	Evans, Thomas	Spaulding
Dodwell, Edward	Decatur	Evans, C. L.	Virden
Donaldson, James	Kangley	Evans, Price	Bissell
Doolin, E. W.	Pontiac	Evans, V. E.	Danville
Dochring, Fred	Mt. Olive	Evans, Roy M.	Tilden
Douck, John	LaSalle	Evans, William L.	Eldorado
Douck, John	LaSalle	Evans, W. H.	Marion
Doughterty, Frank	Taylorville	Everly, John C.	Canton
Donaldson, J. W., Jr.	Dunfermline	Eytman, Frank	Spring Valley
Donaldson, James	Kangley	Eydtman, Henry	Coulterville
Donnelly, J.	Springfield	Eynon, David	Duquoin
Donnelly, John P.	LaSalle		
Doolin, E. J.	Pontiac		
Doughterty, Joseph	Taylorville	Fabrey, A.	Braceville
Dove, C. W.	Glen Carbon	Fahay, John	Decatur
Dowles, Fritz C.	Breese	Fahay, John E.	Decatur
Dowler, John	Auburn	Fairlie, William	Cambridge
Dowling, Ira F.	Springfield	Falkenstein, George A.	Astoria
Downing, Robert D.	Bartonville	Farmer, Richard	Glen Carbon
Downes, J. L.	Johnston City	Farmer, Frank	Bloomington
Downs, L.	Cuba	Farley, James	Riverton
Drischel, Fred W.	Taylorville	Farwood, L. C.	Springfield
Drake, William	Streator	Fay, John E.	Murphysboro
Drake, Benjamin	Nilwood	Fenton, M. H.	Streator
Dray, John	Troy	Ferguson, J. B.	Divernon
Drennan, L. H.	Blue Mound	Ferguson, John J.	Spring Valley
Duffy, Glenn E.	Collinsville	Ferren, Edward	Barclay
Dugg, B. A.	Collinsville	Ferris, W. H.	Marquette
Duncan, J. R.	LaSalle	Field, Berton	Elmwood
Duncan, Charles W.	Johnston City	Filligham, J. A.	Canton
Dunlap, Bert	Nokomis	Finnigan, Thomas J.	Springfield
Dunniho, James	Carterville	Finley, Earl C.	Sparta
Dunn, L. A.	Duquoin	Finegan, William H.	Springfield
Dunt, William L.	Clark City	Fjerth, William R.	Cutler
Dunsmore, Thomas	Springfield	Fisher, Carl	Fairmount
Dunstader, William S.	Edwardsville	Fisher, Phillip	Leinzburg
Duniho, Arch	Carterville	Fisher, George	Staunton
Durham, James D.	Lake Creek	Fisher, Patrick	Kangley
Durham, George	Glen Carbon	Fitch, Charles	Carterville
Dyer, Harry	Duquoin	Fitzsimmons, Maurice	Peru
		Flesher, A.	Taylorville
		Fletcher, Henry A.	Clay City
Easley, Henry E.	Hillsboro	Fletcher, I. W.	Ladd
Easley, H.	Taylorville	Fogerson, Andrew	Springfield
Eaton, A. C.	Duquoin	Foot, Charles	Central City
Eaton, Robert	Sunfield	Foote, William	Westville
Easton, George	Willisville	Forster, Robert	Westville
Eccleston, John	Streator	Forster, William	Murphysboro
Eddy, Melvin	Athens	Fortney, John W.	Murphysboro
Eddy, Evermont	Athens	Forster, Albert	Kinmundy
Eastham, G. A.	Girard		Elmwood

## Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Foster, A. J.	Litchfield	Gleichman, Herman	Collinsville
Fox, Frank L.	Assumption	Glennon, Philip	Williamsville
Fox, Fred	Middle Grove	Glennon, John	Riverton
Fox, William	Taylorville	Glover, Frederick	Peoria
Fox, James B.	LaSalle	Goalby, Arthur A.	Percy
Fox, Arthur	Springfield	Goalby, B. F.	Percy
Fox, Thomas	Lincoln	Goalby, Frank H.	Stookey
Frain, Austin	Ridge Prairie	Goalby, Frank, Jr.	Belleville
Frankland, Tim	Streator	Goalby, W. A.	Belleville
Francis, John C.	Streator	Goesman, John	Bunker Hill
Frazell, Charles A.	Farmington	Goddard, William H.	Spillertown
Freeman, M. F.	Shelbyville	Goddard, W. L.	Lake Creek
Freeland, Frank	Hillsboro	Goforth, William	Pana
Freeman, E. F.	Duquoin	Golliber, H.	Herrin
Frick, U. B.	Lake Creek	Gordon, E. J.	Petersburg
Frick, George W.	Marion	Gordon, Alex B.	O'Fallon
Friend, J. W.	Collinsville	Gorham, A. B.	Lincoln
Frier, Jacob	Ormsby	Gorman, J.	New Douglas
French, E. A.	Collinsville	Gottschalk, Fred	Springfield
Friend, William L.	Collinsville	Gould, George	Sato
Friesland, O. M.	Salisbury	Gorwin, Curtis	Green Ridge
Fritz, Gustav	Breese	Gowin, Frank	Green Ridge
Fritz, William	Lebanon	Goodman, R. W.	Herrin
Fry, D. W.	Clark City	Grace, John T.	Kewanee
Frye, William S.	Coal City	Graham, L. A.	Bloomington
Ferguson, S. P.	Strasburg	Graham, William	Springfield
Fuller, John S.	Springfield	Gradin, Orville B.	Taylorville
Fuller, Phillip H.	Pekin	Graham, Reuben	Virden
Full, Richard	Roanoke	Grant, Lewis	Pekin
Fuston, D. H.	Murphysboro	Grant, Harry	Pawnee
Furlong, A. G.	Carrier Mills	Gray, Thomas	Springfield
		Gray, Charles H.	Springfield
		Greaves, Walter	Ladd
Gahl, Fred T.	St. John	Green, Joseph	Canton
Gallagher, George	Lebanon	Green, Daniel	Braidwood
Galloway, Alexander	Peoria	Green, Roy	Wilmington
Galutia, C. M.	Cartersville	Green, R. A.	Coffeen
Garrett, Bert	Moweaqua	Green, Thomas	Marissa
Gombler, H. H.	Ziegler	Green, William H.	Streator
Gandy, James W.	Peoria	Greenhalgh, James	Hillsboro
Gahn, Earl	Marion	Greenhalgh, William	Hillsboro
Gaskins, Asa	Harrisburg	Greenman, Martin	Pontiac
Gately, Bernard	Diamond	Greener, George	Greenview
Gately, Barney, Jr.	Granville	Greenwood, Burlie	Sunfield
Gately, James	Seatonville	Grierson, John	Streator
Gasnell, George W.	Herrin	Grimmett, Charles C.	Girard
Gately, Albert	Granville	Grimes, James L.	Tilden
Gatton, Thomas	Divernon	Grice, Albert	Kewanee
Gates, William S.	Kankakee	Grievess, David	Birkner
Gallagher, Peter	Clark City	Grievess, James	Birkner
Gaugham, James	Braidwood	Grievess, E. H.	Willisville
Geer, Benjamin H.	Wolcott	Griffin, John O.	Kewanee
Geer, U. S.	Pekin	Griffeth, Herbert	Reeves
Geer, Chauncey N.	Wolcott	Groom, Alexander	Belleville
Galmour, Allen	Diamond	Groom, John, Sr.	Belleville
Geishek, Mathew	Springfield	Groom, James	Belleville
Gerner, Fred	Danville	Groom, William	Belleville
Gerjets, Harry	Athens	Groom, John	Belleville
Geyer, J. A.	Wanlock	Grover, Harmon, M.	Canton
Gibson, John	Sandoval	Grubb, Michael	Riverton
Gibson, J. W.	Sherrard	Geistdorfer, Fred	DeSoto
Gibson, Henry	Coal City	Guppy, Edgar	Bartonville
Girat, Peter J.	Diamond	Guy, D. F.	Springfield
Gierten, William	Pinckneyville	Gurick, Howard	Litchfield
Gigley, J. F.	Peoria	Gurick, L. E.	Litchfield
Giebelhouser, Jacob	Peoria	Guskins, Bert	Harrisburg
Gilchrist, H. M.	Gilchrist	Guthrie, T. E. B.	Marissa
Gilmore, J. E.	Hillsboro		
Gibson, R. W.	Danville	Hachett, Owen	Spaulding
Girfen, Henry	Troy	Haddick, William L.	Sherrard
Glaken, Hugh	Coal City	Haensel, Herman	Lenzburg
Gladdens, William	Coal City	Haensel, Edward	Lenzburg
Gladson, E.	Duquoin	Haensel, David	Lenzburg
Gladson, F.	Duquoin	Hagler, Charles	Fredonia
Glass, Reuben	Edwardsville		



## Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Hale, William T.	Troy	Heskitt, John	Ridgley
Hale, James	Dunfermline	Hess, Edward B.	Morrisonville
Hales, James E.	Equality	Heublin, Walter H.	Greenview
Haley, Edward	Kinmundy	Higbee, Lawrence	Wyoming
Hall, G. R.	Colchester	Hillard, James	St. David
Hall, G. R.	Nilwood	Hillard, Frank	St. David
Hall, G. R.	Murphysboro	Hillery, John	Dunfermline
Hamilton, Thomas	Canton	Hill, Cyrus P.	Norris City
Hamilton, Charles E.	Sparland	Hill, C. C.	Marissa
Hamilton, James H.	Murphysboro	Hill, Frank	Carrier Mills
Hampton, N. R.	Peoria	Hill, C. W.	Pontiac
Hand, P. L.	Collinsville	Hill, Emerson	Westville
Hanvey, John	Taylorville	Hill, John C.	Marissa
Handie, Ledlie	Willisville	Hillard, George	St. David
Hanenstein, J. W.	Salem	Hilmes, Henry	Astoria
Hanes, W. J.	Alvey	Hines, P.	Toluca
Hanvey, Edgar	Sorento	Hindman, Milo	Herrin
Hankins, John W.	O'Fallon	Hobbs, Francis E.	Centralia
Hanson, William	Collinsville	Hodgson, Edward	Murphysboro
Hanvey, John J.	Collinsville	Hodson, Moses	Smithboro
Hanvey, Robert	Collinsville	Hodson, John	Taylorville
Hanvey, William	Cable	Hoecker, Charles	Glen Carbon
Haddicks, Frederick H.	Edwardsville	Hogan, Frank	Springfield
Happer, Frank	Birkner	Holbrook, L. L.	Herrin
Harding, Enos	Hanna City	Holland, Arthur J.	Mt. Olive
Harding, Walter	Pawnee	Holland, Miner	Cartersville
Hardy, Warren	Petersburg	Holland, William R.	Johnston City
Harms, Heike	Lebanon	Holland, S. B.	West Frankfort
Harper, Oscar	Springfield	Holler, Grover	Harrisburg
Hardy, Thomas	Dawson	Holtkamp, George	Breese
Hardy, Thomas W.	Petersburg	Holzer, A. Eugene	Mt. Olive
Harms, Will J.	Oglesby	Holzer, Emil	Coal City
Harmon, M. W.	Decatur	Hooper, George	Glen Carbon
Harner, Elmer	Springfield	Hooper, H. H.	Gillespie
Harris, J. W.	Nilwood	Hootin, Grover	Assumption
Harris, W. C.	Salem	Horrel, L. R.	Harrisburg
Harrison, Floyd	Coulterville	Huchcraft, Noah	Harrisburg
Harrison, John, Jr.	Farmington		
Harrop, Horace W.	Coal City	Ishmael, Benjamin	Christopher
Hartley, Joseph H.	S. Wilmington		
Hartley, Horace	Murphysboro	Jackson, E. W.	Christopher
Hartman, Frank	Murphysboro	Johnson, Joe E.	Christopher
Hartman, John F.	Marion	Joss, John	Farmington
Hartwell, A. Lincoln	Marion		
Hartwell, J.	Marion	Keil, Henry W.	Murphysboro
Hartwell, Roy	Duquoin	Kellerman, Charles E.	Duquoin
Harvey, M. F.	Coulterville	Keown, Frank	Herrin
Hartman, W. H.	Wanlock	Kent, A. K.	Golconda
Harvey, William R.	Spring Valley	Kent, George S.	Centralia
Haughant, John D.	French Village	Kossieck, George	Decatur
Havel, Joseph	Pana	Krully, Andrew	Braceville
Hawker, J. O.	Sandoval	Krout, W. S.	Cuba
Haworth, William	Danville	Kuhn, Fred A.	Trenton
Hayes, Arthur H.	Danville	Knapp, Thomas	Duquoin
Hayes, Earle	Bloomington		
Hayes, James	Murphysboro	Lamb, William E.	Coal City
Hayler, George L.	Assumption	Lambert, George W.	LaSalle
Head, John S.	Coffeen	Lamber, William	Middletown
Heckman, Sol.	Catlin	Lane, Charles C.	Farmington
Hedger, C. N.	Riverton	Landers, John	Staunton
Heffron, William	Mt. Olive	Lanham, John W.	Danville
Heidinger, F. C.	Spring Valley	Larkin, James G.	Athens
Heilgeist, Bruno	O'Fallon	Larkin, William	Taylorville
Hendrick, C. W.	Harrisburg	Laswell, C. R.	Barclay
Hendrix, R. H.	Wanlock	Lapghery, Jonathan, P.	Carbon Cliff
Hennegan, John F.	Kewanee	Lavallier, U. S.	Chenoa
Henry, Philip	Greenview	Lawson, George	Cable
Henry, John L.	Belleville	Layne, J. W.	DeSoto
Heppard, George	Edwardsville	Layman, J. C.	Lincoln
Herder, Walter	Belleville	Leake, William	Minonk
Herman, John	Auburn	Ledbitter, George	Sorento
Herron, J. S.	Middle Grove		
Herron, Thomas J.	Odin		
Herring, George P.	Staunton		
Herring, J. P.	Abingdon		
Hershaw, A. F.			

*Certificates of Competency—Continued.*

Name.	Postoffice.	Name.	Postoffice.
Lee, Robert E.	Sherrard	McConachie, Ed.	Auburn
Leek, Carroll	Hallidayboro	McCoosnell, C. D.	Tice
Leeper, C. W.	Equality	McCormack, James J.	Springfield
Lehman, Phillip	Lebanon	McCough, Wm. N.	Tower Hill
Lemons, J. L.	Girard	McCulley, G. L.	Pawnee
Leslie, C. Lutton	Rutland	McClusky, Tobias	Assumption
Leslie, George	Gardner	McCurdy, J.	Taylorville
Leslie, N. B.	Braidwood	McDonald, John	Springfield
Lewis, Richard W.	Gillespie	McDonald, W. H.	Pana
Lewis, Alvan	Catlin	McDonald, William J.	Percy
Lewis, Clayton	Carrier Mills	McDonald, Peter G.	Carbon Hill
Lewis, James	Canton	McDonald, Frank R.	Athens
Lewstick, John	Springfield	McFarland, F. E.	Murphysboro
Lee, Frederick	Canton	McGary, William	Ladd
Lindsey, J.	Oglesby	McGee, G. W.	Cartersville
Lewis, Spiller D.	Marion	McGittigan, Thomas	Pana
Lipscomb, Arthur	Breese	McGowan, Edward	Lincoln
Lindskey, Martin H.	Streator	McGowan, J. R.	Herrin
Lindsay, Timothy	Braidwood	McIntire, A. D.	Sparta
Lindstrom, Oscar	Sherrard	McKean, Andrew	Coal City
Liner, John	Oglesby	McKean, John	Carbon Hill
Linsky, James	Braidwood	McKean, Isaac	Coal City
Linsky, Partick J.	Braidwood	McKearnan, J. B.	Athens
Little, G. E.	Edwardsville	McKee, C. L.	Lake Creek
Little, Irwin E.	Edwardsville	McKeeran, John	Belleville
Little, Peter	Peoria	McLaughlin, F. T.	Carbon Hill
Little, Thomas	Murphysboro	McLaughlin, George	Carbon Hill
Little, Harry	Herrin	McLean, J.	Pleasant Plains
Lockhart, Lewis	Niantic	McIntyre, Martin S.	Sparta
Lockie, G. O.	Cartersville	McMillin, W. M.	Danville
Lockie, William	Cartersville	McMurty, P.	Virden
Loding, Charles A.	Lodging	McNeil, Albert	Mt. Vernon
Loebel, Frank	Trenton	McPherson, James	Murphysboro
Loeffler, Adolph A.	O'Fallon	McQuade, J.	Clark City
Loescher, Paul	Mt. Olive	McNeil, S.	Coulterville
Long, Noah B.	Pontiac	McNutt, T. C.	Taylorville
Long, Edward	Norris	McVey, Frank W.	Roanoke
Long, George	Norris	Mevickar, Donald	LaSalle
Longerbon, L. T.	Cantrall	McVicar, John	Virden
Lozin, P.	Lincoln	Marland William	Staunton
Lucht, M. F.	Mt. Olive	McWilliams, Harry	Belleville
Loos, A. C.	Murphysboro	Maloy, Lewis	Georgetown
Lucey, Michael	Ridgley	Marland, James	Wenona
Lundeen, Frank W.	Galva	Marland, William	Sparland
Lundy, J. P.	Mt. Pulaski	Marie, John E.	Pottstown
Lundley, Ralph	Ridge Prairie	Marshall, Robert	Murphysboro
Ludewick, Harry	Witt	Martin, Benjamin	Toluca
Luschner, John	Mt. Olive	Martin, N. W.	Marion
Lyday, Benjamin F.	Sesser	Marxer, Lewis J.	Millstadt
Lyday, Ray	Christopher	Marxer, William J.	Millstadt
Lynch, John B.	Muncie	Massie, J. T.	Belleville
Lynch, M.	Herrin	Mason, E.	Winchester
Lyons, A.	Riverton	Mathis, Charles	Duquoin
		Mathis, George	Duquoin
		Matthews, C.	Willisville
Maasburg, H. C.	Pinekevynville	Maule, William	Belleville
Mander, Charles H.	Staunton	Maxwell, Fred	Peoria
Madden, Harvey	Danville	Mayor, A. W.	Duquoin
Manley, Leo	Coffeen	Mayor, J. W.	Duquoin
Manning, Ed. T.	Cartersville	May, Charles W.	Panama
Mann, John B.	Sherman	Meadows, William	Ledford
Mannrey, Harry	Farmington	Mechaelis, Edward	Belleville
Mainwaring, James	Braceville	Meithe, William	Georgetown
Mair, Max	Lebanon	Melton, Frank	Gillespie
Malcolm, William J.	Braceville	Mellor, John	Peoria
Maltby, Edward	Braidwood	Melvin, Elmer	Tamaroa
Martin, M. J.	Peoria	Meng, George W.	Freeburg
McAddams, John W.	Percy	Menk, Hugh H.	Edwardsville
McAllister, Thomas	Hallidayboro	Meredith, Arthur R.	Troy
McCann, David	Lincoln	Mercer, L. W.	St. John
McCarthy, John	Lincoln	Merrill, Horace C.	Collinsville
McCartney, C. F.	Alexis	Messersmith, Fred	Athens
McCauley, Aaron	Streator	Messenger, Joseph	Williamsville
McCauley, John H.	Glen Carbon	Meyer, Henry	Trenton
McClelland, A. J.	Cuba	Meyers, Floyd P.	Smithboro

## Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Myer, John	Staunton	Nagle, Jake	Springfield
Michaels, Otto L.	Belleville	Nangle, A. J.	Herrin
Miller, A. J. F.	Centralla	Neal, Ambrose	Carlinsville
Miller, E. E.	Murphysboro	Neil, John H.	Cartersville
Miller, Hugh	Braceville	Needham, Daniel	Breese
Miller, James C.	Tamaroa	Negley, Ollie K.	Norris
Miller, James	Alma	Negley, Frank M.	Canton
Miller, T. H.	Raymond	Neilson, James W.	Sparta
Miller, William C.	Rentschler	Nelson, Andrew V.	Centralla
Miller, Thomas	Coulterville	Nentzel, Fred H.	Caseyville
Mills, Thomas S.	Coal City	Newal, Leroy	Sparland
Minor, John	Mt. Olive	Neveney, James	Belleville
Minzner, Robert A.	Spaulding	Nichols, John	Athens
Mitchell, E. R.	Farmington	Nichols, E. E.	Coffeen
Mitchell, S. R.	Moweaqua	Nichols, E. B.	Coal Valley
Mize, Walter	Pana	Nickerson, James K.	Coffax
Mockbee, Luther	Niantic	Nickens, William	Sunfield
Mohm, E.	Peoria	Nicobaides, George	Dewmaine
Morehouse, Charles L.	Danville	Nichol, William	Belleville
Moffat, R. E.	Cutler	Nichol, Adolph	Belleville
Moffat, John	S. Wilmington	Nichols, James	S. Wilmington
Moffat, Thomas, Jr.	Sparta	Nisely, Alfred H.	Coal Valley
Molash, A.	Springfield	Norborg, Peter	Galva
Monaghan, James	Gillespie	Norborn, Frank	Galva
Mooneyham, Oscar	Eldorado	Norgart, Andrew	Streator
Moor, F. J. W.	Springfield	Norris, James J.	Murphysboro
Moore, George	Staunton	Norris, Floyd	Duquoin
Moore, I. N.	Johnston City	Norris, F. E.	Ellisville
Moore, H. E.	Troy	Norton, William	Oglesby
Moore, A.	Braceville	Norton, Victor	Breton
Moore, John A.	Christopher	Norfleet, Thomas M.	Springfield
Moore, A. D.	Elmwood	Newell, Thomas	Waltonville
Morch, John	Belleville		
Morgan, Joseph W.	Springfield	O'Brien, Terry	Decatur
Morgan, Charley	Eldorado	O'Donnell, Michael	Decatur
Morgan, John C.	Springfield	Oexner, Frank	Belleville
Morgan, William	Carbon Hill	Ogden, William	Rentschler
McVicar, John	Virden	Ogden, Samuel	Mascoutah
Morin, Frank	Peoria	Olinger, J.	Odin
Moriarty, John	Niantic	Olive, Edmund	Livingston
Morris, A.	Duquoin	Oliver, Fred	Farmington
Morris, J.	Springfield	Olson, August	Streator
Morris, John W.	Divernon	O'Neal, James	Streator
Morris, George	Belleville	Ondescko, George	Braceville
Morris, James H.	Nashville	Ople, Frederick	Mt. Olive
Morris, James	Mt. Olive	O'Riley, Wilbur	Grape Creek
Morris, William	Mt. Olive	Ord, S. R.	Mt. Vernon
Morris, William	Harrisburg	Ormiston, R.	Danville
Morris, John	Duquoin	Ormiston, Quay	Harrisburg
Morris, W. F.	Marion	Obenurfeman, Andrew	Collinsville
Morrisey, Thomas	Lebanon	Osborne, Benjamin	Streator
Morrisey, Patrick	Staunton	Osburn, Glen L.	Streator
Morrison, Archie	Oglesby	Osborn, Marion	Herrin
Mortz, Joseph L.	Edinburg	Otte, John	Collinsville
Moser, Jacob W.	Rentschler	Outhouse, John	Johnston City
Mulvaney, Christopher	Edwards		
Mulvaney, A. T.	Glenburn	Packingham, Harry	Granville
Muren, Alfred L.	Belleville	Paddock, W. D.	Pana
Muren, Joseph L.	Belleville	Padden, J. W.	Spring Valley
Murphy, Earl E.	Farmington	Pair, J. H.	Willisville
Murphy, Robert T.	Norris	Pallardy, William P.	Springfield
Murphy, Edward	Farmington	Parks, J. H.	Streator
Murphy, James F.	Springfield	Parker, Joseph	Murphysboro
Murrie, Archie	Trenton	Parker, William	Pana
Murray, Robert	Coal City	Parsh, Gus	Auburn
Murray, Christopher C.	Gillespie	Parsons, Geo.	Herrin
Murray, Hugh	Nashville	Patterson, R. J.	Murphysboro
Murray, Joseph P.	Roseboro	Patterson, J. R.	Norris
Musgrave, Chas.	Coulterville	Paterson, T.	Gillespie
Mussan, H. A.	Colchester	Patterson, W. M.	St. Louis, Mo.
Myers, Henry	Minok	Patterson, Robt.	Westville
Myers, Peter W.	Carlinsville		
Myers, William	Decatur		

## Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Pankey, James M.	Equality.	Raisbeck, John	Braceville.
Patton, Frank L.	Springfield.	Raker, Truman	Rutland.
Paul, S. P.	Canton.	Randle, Caleb.	Belleville.
Payton, Ralph E.	Sesser.	Randle, William	Freeburg.
Pearce, H. L.	Cable.	Rasor, J. D.	Staubert.
Peecher, David.	Braidwood.	Rasch, Aug. F.	Trenton.
Peet, Charles.	Marseilles.	Ratcliff, L. P.	Cartersville.
Pemberton, C. H.	Duquoin.	Ratcliff, A.	Sheffield.
Perkes, Ephraim.	Soperville.	Rawson, Grant I.	Belleville.
Petrea, J. W.	Vandercook.	Rawlins, Alex N.	Cantrall.
Peters, Alonzo L.	Peoria.	Ray, Hugh.	Wanlock.
Petro, Mike.	Braceville.	Reagan, William	Mt. Olive.
Peter, Gustave.	Lenzburg.	Reatz, Hans	Lincoln.
Pendergast, John.	Centralia.	Reading, Curtis.	Niantic.
Perrins, George H.	Herrin.	Record, L. A.	Rutland.
Peyla, George.	Braidwood.	Reece, John U.	Collinsville.
Picton, T. H.	St. David.	Reed, John	Herrin.
Picton, John T.	Farmington.	Reed, W. J.	Danville.
Pierson, Charles.	Harrisburg.	Retz, Herman.	Lincoln.
Pierson, Joseph.	Harrisburg.	Reeger, John C.	Pineknayville.
Pierson, Thomas.	Harrisburg.	Reise, William M.	Roanoke.
Phillips, J. M.	Athens.	Reddick, William.	Murphysboro.
Pinkerton, John G.	Hanna City.	Redden, James W.	Dewmaize.
Pinegar, James.	Oakwood.	Reid, Robert.	Moweaqua.
Piper, James.	Worden.	Reid, Archibald.	Springfield.
Piper, Oliver G.	Staunton.	Reid, Andrew B.	Duquoin.
Piper, Joseph.	Glen Carbon.	Reiddinger, Peter M.	Peoria.
Pircher, Peter P.	Sandoval.	Reidberger, William J.	Dubois.
Pritchard, Jacob.	Canton.	Reitley, Henry.	Toluca.
Pitra, Frank.	Odin.	Reimann, John.	Belleville.
Pitt, Sam.	Trenton.	Remelius, Jacob.	O'Fallon.
Pitt, Joseph.	Trenton.	Remelius, William.	O'Fallon.
Pittman, Roy.	Ledford.	Rennard, James Ed.	Grape Creek.
Platt, J. A.	Springfield.	Reichman, George.	Trenton.
Plenty, George R.	Canton.	Rennie, Andrew.	Dunfermline.
Plimmer, Benjamin.	Streator.	Rennie, James.	Dunfermline.
Plocker, Henry.	Pana.	Rennie, Herbert.	Farmington.
Pointer, Edward.	Belleville.	Renter, August.	Mt. Olive.
Pomalto, Joseph.	Braidwood.	Replinger, H.	Belleville.
Poter, O. M.	Westville.	Reyabek, Joseph.	Glen Carbon.
Pallard, W. C.	Lovington.	Reynolds, James.	Streator.
Poole, Edward A.	Johnston City.	Rhodes, Almon R.	Chenoa.
Poole, Arthur H.	Murphysboro.	Rhoades, Ashley.	Taylorville.
Powell, Edwin.	Caseyville.	Rhine, Martin W.	Eldorado.
Pope, Clarence Arthur.	Pana.	Rice, C. D.	Harrisburg.
Powell, F. C.	Seatonville.	Rice, William H.	Harrisburg.
Prescott, G. A.	Centralia.	Rice, James M.	Sunfield.
Priest, Glen.	Cuba.	Rice, Moses.	Murphysboro.
Price, Thomas.	Spaulding.	Richards, John T.	Staunton.
Price, Daniel D.	Redlich.	Richard, Lee.	Moweaqua.
Prickett, Thomas M.	Niantic.	Richmond, John E.	Coal City.
Pritchard, H. C.	Lewistown.	Riland, Francis F.	Harrisburg.
Proctor, B. W.	Marion.	Riley, B. J.	Cantrall.
Pruett, J. M.	Harrisburg.	Riley, Michael.	Grape Creek.
Pugh, Daniel.	St. John.	Rippitoe, J. G.	Colchester.
Pullen, R. H.	Sorento.	Rippitoe, George H.	Colchester.
Pulver, R. H.	Centralia.	Ritchie, John.	Trenton.
Pyle, Chilton.	Carrier Mills.	Ritchie, John F.	Christopher.
		Riviere, Paul.	Orchard Mines.
		Roach, Samuel.	Tamaroa.
Quick, Harry.	Oakwood.	Roberts, Charles.	LaSalle.
Quails, Nevail.	Dubois.	Roberts, William.	Kangley.
Quick, A. T.	Sato.	Roberts, Edward J.	Kangley.
Quick, John.	Braidwood.	Roberts, Frank L.	Johnston City.
Quick, A. S. H.	Sato.	Roberts, John.	Litchfield.
Quick, Seibert T.	Pineknayville.	Roberts, Jonathan.	Willisville.
Quigley, Henry.	Hallidayboro.	Roberts, Erwin.	Johnston City.
Quinn, Joseph.	Springfield.	Roberts, W. P.	Johnston City.
		Roberts, William R.	Murphysboro.
		Robison, Charles.	Wenona.
Rabler, F. C.	Troy.	Robison, J. A.	Riverton.
Raber, Louis.	Collinsville.	Robinson, William A.	Toluca.
Radford, William T.	Bloomington.	Rockey, Charles.	Peoria.
Rafter, Michael.	Marquette.	Rodgers, Edward.	Murphysboro.
Rafter, James P.	Springfield.	Rodgers, George R.	Sunfield.

*Certificates of Competency—Continued.*

Name.	Postoffice.	Name.	Postoffice.
Rodgers, Finnel	Murphysboro	Sheets, Walter L.	New Athens
Rode, Henry	Sherrard	Shelenger, S.	Willisville
Roddy, Malchom E.	Christopher	Shepradson, Isaac V.	Fairmont
Rohe, Herman J.	Alexis	Shultz, Alfred	Mechanicsburg
Rohour, Michael	Grape Creek	Scheretz, Harry	Herrin
Ross, Ben	Duquoin	Schlomann, John A.	Mt. Olive
Ross, B. J.	Aisey	Shroyer, A. D.	Lincoln
Rowland, Samuel J.	Divernon	Shipe, George A.	Tilden
Rowland, Sidney G.	Belleville	Shinn, Charles	Springfield
Roy, A. I.	Collinsville	Shriver, P. A.	Kimmunity
Royster, Richard	Peoria	Shuler, H. M.	Gilechrist
Rude, Edmund	DeSoto	Shult, S. C.	Sorento
Ruhlander, E. H.	Mt. Olive	Sisk, Ambrey	Equality
Russell, Zenas	Pana	Siddall, Eli	Belleville
Russell, Guy	Harrisburg	Siddall, Herbert	Belleville
Russell, A. J.	Eldorado	Siddall, John	Belleville
Russell, R. O.	Reeves	Siddall, Levi	Belleville
Rutliff, Isaac	Ashland	Sieberg, E. C.	Percy
Rull, Seibert	Staunton	Simmons, H.	Murphysboro
Ryan, Lawrence	Deatur	Sinclair, Guy S.	Glen Carbon
Ryan, James	Spring Valley	Silvis, Thomas S.	Carbon Cliff
Ryan, William	Athens	Simpkins, Homer	Streator
		Sitton, W. A.	Gillespie
Sadler, George	Murphysboro	Sizemore, William I.	Carterville
Sager, Ed. L.	Trenton	Clocum, Clarence	Gilechrist
Saidla, J. A.	Carterville	Smith, Charles H.	Seneca
Sallade, George	Chatham	Smith, Edward J.	Collinsville
Sallade, J. E.	Chatham	Smith, George W.	Virginia
Sampson, Joseph M.	Petersburg	Smith, George W.	St. Louis, Mo.
Sands, Robert K.	Marissa	Smith, P.	Danville
Sanks, J. E.	Edinburg	Smith, S.	Marseilles
Sangrelet, Charles	Litchfield	Smith, Robert	Collinsville
Savage, Richard	Clarke City	Smith, Firth	Murphysboro
Sawyer, V.	Staunton	Smith, John	Carterville
Sawyers, Joseph	Coal City	Smithmeyer, Anton	Lincoln
Saylor, C. F.	Murphysboro	Smyth, C. M.	Danville
Schadt, Conrad	Rock Island	Smyth, William J.	Cutler
Schaffer, Fred	Belleville	Sneddon, John	O'Fallon
Shannessy, Thomas	Braidwood	Sneddon, Richard	Catlin
Scheffler, Julius	Pekin	Sneyd, James	Westville
Schofield, Perte	Coal City	Snowdon, William	Georgetown
Schnute, Henry	Breese	Snyder, Arthur	Danville
Schramm, Charles	Belleville	Sofranko, John	Benld
Scharinck, Frank	Edwardsville	Solomon, Edward	Springfield
Schmacker, Hermon	Glen Carbon	Songer, T. B.	Astoria
Schelling, J. A.	Harrisburg	South, Daniel	Ellisville
Schoolcraft, L.	Carterville	Sowerby, Miles	Willisville
Schroeder, Charles	Mt. Olive	Sparks, Emery C.	Ellisville
Schroeder, Edward	Pekin	Sparks, J. L.	Mt. Vernon
Schroeder, Henry	Mt. Olive	Sparling, Charles	Seatonville
Schneider, Fred W.	Staunton	Sparling, Henry	Seatonville
Schroeder, John W.	Murphysboro	Spiller, Elijah	Hallidayboro
Schroder, Fritz	Breese	Spiller, George H.	Johnston City
Schnessel, Conrad	Breese	Spires, Albert	Braceville
Schulte, Fritz	Chinton	Spence, Elmer	Farmington
Schumacher, Charles	Marissa	Sprout, J. W.	Pontiac
Schweska, Otto	Springfield	Stanfel, Martin	Toluca
Schumm, Fred W.	Gardner	Stanford, J. W.	Pana
Schuster, John	Marissa	Stanforth, F.	Wanlock
Scovill, Lee	Farmington	Stange, Fred	Marquette
Scott, J. W.	Colchester	Stanton, William E.	Colchester
Scurrah, Castling R.	Braceville	St. Clair, James A.	Macomb
Secor, Fred D.	Odin	Starnes, Peter	W. Frankfort
Seeman, John C.	Cantrall	Stedman, Edgar	Missionfield
Seeman, George A.	Cantrall	Stedman, Robert, Sr.	Danville
Seidel, Fred	Kimmunity	Stedman, Frank	Westville
Seifer, William	Ormsby	Steel, E. H.	Salem
Sells, Charles B.	Colfax	Steinheimer, Theodore	Lenzburg
Seen, Charles	Sandoval	Stephen, C. H.	Spring Valley
Seymour, John	Colfax	Stewart, L. A.	Mt. Vernon
Shafer, James M.	Girard	Stewart, Daniel	Streator
Shanklin, A. S.	Carterville	Stewart, James C.	Carbon Hill
Sharp, John H.	Spring Valley	Stewart, Peter	Murphysboro
Sheehan, Peter	Athens	Steigmeyer, E.	Staunton
		Stocks, H.	Carterville

## Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Stoker, A. E.	Buffalo	Utter, Chas.	Farmington.
Stone, N. G.	Marion.		
Stone, Frank.	Lebanon.		
Stone, Nathan.	Cartersville.	Vandevor, Geo. W.	Centralia.
Storm, Edwin.	Worden.	Van Dansen, Leonard A.	Braceville.
Stull, Roy.	Cherry.	Van Fleet, L. E.	Barclay.
Stout, F. M.	Springfield.	Van Meter, Percy.	Williamsville.
Stout, W. E.	Rutland.	Vallow, P. Oliver.	Kinmundy.
Stowell, G. W.	Bloomington.	Vaughn, John.	McLean.
Streik, William.	Belleville.	Valentine, Chas.	Cable.
Strader, Clarence.	Westville.	Vaughn, Wm. M.	Edwards.
Strait, John D.	Pinckneyville.	Vandver, Perry E.	Taylorville.
Strivey, William.	Taylorville.	Vanderbougege, Geo. H.	Glen Carbon.
Strike, James M.	Marion.	Vernon, James.	LaSalle.
Stroud, William.	Worden.	Vinecore, Stephen A. D.	Rutland.
Struck, Carl.	Springfield.	Vollentine, Thomas E.	Sorento.
Struse, Henry H.	Athens.	Voelkel, Edward.	Belleville.
Struthard, George B.	Westville.	VonBrunn, Max.	Glen Carbon.
Stuart, John.	Ladd.		
Stutsman, H. F.	Herrin.		
Sullivan S.	Harrisburg.	Wade, Geo. H.	Johnston City.
Sullivan, Ernest J.	Toluca.	Wagner, John B.	Collinsville.
Sturber, Alexander H.	Danville.	Wagoner, Albert H.	Johnston City.
Swartz, Fred.	Toluca.	Waggoner, Wm. F.	Raymond.
Swift, Wilber.	Edinburg.	Wagmore, James.	Assumption.
		Waldrom, Thos.	Fredonia.
		Walker, James.	Spaulding.
Taylor, James.	Edwards.	Walker, John H.	Mt. Olive.
Taylor, Harry.	Peoria.	Walker, Joshua.	Mt. Olive.
Taylor, Edwin.	Trenton.	Wallace, Henry G.	East Peoria.
Taylor Joseph G., Jr.	Springfield.	Waller, Wm. F.	Marion.
Taylor, Mack.	Westville.	Walters, Robert.	Springfield.
Taylor, William W.	Tamaroa.	Wallford, Noah.	Hillsboro.
Taylor, Simeon.	Bissell.	Wallock, Chas.	Braceville.
Taylor, Samuel.	Princeville.	Walsh, James D.	Auburn.
Taylor, A. P.	Johnston City.	Walton, A. F.	LaSalle.
Taggart Robert.	Peoria.	Walton, Hugh.	Norris.
Teaters, C. N.	Taylorville.	Walton, Patrick.	Bureau Junction.
Tefft, Ernest.	Mt. Olive.	Walton, Joseph.	St. David.
Temple, James C.	Springfield.	Wantling, T. J.	Pottstown.
Terry, W. F.	Litchfield.	Wandless, W. S.	Collinsville.
Terry, George L.	Raymond.	Warner, Richard.	Troy.
Thalgott, John.	Trenton.	Warner, M.	Farmington.
Theiss, John C.	Murphysboro.	Warner, Andrew.	Colfax.
Theftord, John R.	Herrin.	Wassell, Anton.	Braceville.
Thexton, Henry.	Rushville.	Watkins, N. R.	Springfield.
Tohm, R.	Coal City.	Watson, Frank.	Springfield.
Thomas, Fred.	Rutland.	Watson, Charles.	Hanna City.
Thomas, Charles.	DeSoto.	Watson, M.	Riverton.
Thomas, G. E.	DeSoto.	Watson, W. W.	Riverton.
Thrau, Chas. G.	Johnston City.	Wattawa, Joseph.	Belleville.
Thomasberry, Hiram A.	Duquoin.	Watts, T. J.	Elmwood.
Thompson, Wm. H.	Himrod.	Wear, Roscoe.	Colchester.
Thompson, Solomon E.	Mason.	Weaver, Elmer.	Dunfermline.
Thompson, Fred.	Westville.	Weaver, Orlie.	Canton.
Thompson, J. H.	Marion.	Webb, Albert M.	Greenview.
Thurston, R. T.	Mulkytown.	Wehling Fred.	Reddick.
Tibballs, E. A.	Marion.	Webber, J. S.	Rutland.
Timmons, Irvin F.	Wyoming.	Weber, William.	Murphysboro.
Tireddy, Abel.	Staunton.	Weggandt, Peter.	Belleville.
Titus, C. B.	Tower Hill.	Welch, Benjamin.	Harrisburg.
Tindall, J. L.	Danville.	Welty, Thos.	Herrin.
Tlahavin, Lewis.	Lincoln.	Welshams, Henry M.	Sparta.
Tobin, Robert.	Springfield.	Wente, Frank.	Nashville.
Trainer, Arthur E.	Blue Mound.	Wersen, W. L.	Springfield.
Traughbee, Peter.	Assumption.	West, W. H.	Murphysboro.
Travis, Alonzo.	Pana.	West, Ollie.	Herrin.
Travis, Wm.	Birkner.	Westberby, James.	Farmington.
Tregoning, Chas.	Cartersville.	Wesner, Ephraim.	Streator.
Tregoning, Geo.	Cartersville.	Westwood, Albert.	Belleville.
Tyrell, Thos.	Cardiff.	Westwood, Thomas E.	Marissa.
Tumblenson, Sinclair.	Centralia.	Westwood, Edward.	Birkner.
Turner, Geo. W.	Lewistown.	Westwood, F. C.	Belleville.
Twombly, Edward.	Coal City.	Weymouth, John.	Springfield.

*Certificates of Competency—Concluded.*

Name	Postoffice.	Name.	Postoffice.
Wheatley, John W.	Coal City.	Wolfer, Herman.	Hollis.
Wheeler, J. H.	Marseilles.	Wohford, John.	Taylorville.
White, Korah.	Tower Hill.	Wolschlag, Geo. J.	Peoria.
White, Henry.	Riverton.	Wood, Daniel A.	Colfax.
White, Perry J.	Springfield.	Woodward, J. R.	Streator.
White, Robert.	Lincoln.	Woodruf, Jesse.	Clifford.
White, Booker.	Catlin.	Woodhouse, Frank.	Bunker Hill.
White, William.	Johnston City.	Woolbright, D. A.	Centralia.
Wickersham, J. R.	Johnston City.	Woodworth, Peter.	Pekin.
Wldick, Edward C.	Finley.	Worms, Joseph.	Birkner.
Wilkins, W. P.	Springfield.	Wormack, Chas. A.	Glen Carbon.
Wilkinson, Louis.	Pekin.	Wright, Thos. C.	Belleville.
Wilkinson, Eugene.	Taylorville.	Wright, Edward.	Herrin.
Williams, Andrew D.	Sandoval.	Wright, Newman.	Toluca.
Williams, Huston.	Spaulding.	Wright, Wm. M.	Pana.
Williams, John.	Spring Creek.	Wrigley, James.	Collinsville.
Williams, Liewellyn.	Mt. Olive.	Wyler, Clarence.	Westville.
Williams, Thomas E.	St. David.		
Williams, Watson.	Virden.		
Williams, Wm.	Duquoin.	Yates, John.	DeSoto.
Williams, Wm. H.	Sherrard.	Yates, Wm.	Coal City.
Williams, Wm. Hampton.	Murphysboro.	Yebbing, Fred H.	Duquoin.
Williams, John F.	Eldorado.	Young, J. K.	Girard.
Williams, John R.	Williamsville.	Young, James G.	Gardner.
Williamson, Henry.	Coal City.	Young, Robert.	LaSalle.
Williamson, Wm.	Coal City.	Young, A. O. K.	Girard.
Williamson, Geo.	Thayer.	Young, Peter J.	Springfield.
Wills, Henry E.	Harrisburg.	Young, W. J.	Duquoin.
Wilson, David.	Birkner.	Youngusband, L.	Coal City.
Wilson, H. C.	Farmington.	Youngquist, Frank.	Sherrard.
Wilson, Wm. H.	Middle Grove.		
Wilson, James.	Springfield.		
Wilterwood, William.	Murphysboro.		
Wild, John.	Nokomis.	Zeigler, John.	Iles Junction.
Windsor, Samuel.	Norris.	Zerban, W. F.	Belleville.
Windsor, Robt.	Norris.	Zeigler, Fred.	Edwardsville.
Wines, E. R.	Springfield.	Zink, Louis.	Belleville.
Wohlers, S. Henry.	Mt. Olive.	Zink, Peter A.	Belleville.
Wolf, Wm.	Carterville.	Zuriker, Lorenz.	Cable.

## HOISTING ENGINEERS HOLDING CERTIFICATES OF SERVICE.

Name.	Postoffice.	Name.	Postoffice.
Ackerman, Jacob.	Belleville.	Collins, John.	Birkner.
Allen, William H.	Collinsville.	Cook, W. D.	Westville.
Anthony, John C.	Belleville.	Cotton, George.	Holidayboro.
		Cox, John.	Ledford.
Baiwir, John C.	Braidwood.	Craig, Daniel.	Danville.
Banker, Henry.	Ridge Prairie.	Crawson, William.	O'Fallon.
Bath, Ameston.	Cuba.	Crinigan, Barney.	LaSalle.
Beeby, William.	Springfield.	Crocker, Edward.	Marquette.
Bell, George E.	Canton.	Cruickshanks, Wm. A.	Middle Grove.
Benvenuto, Charles.	Toluca.	Cummings, Robert H. L.	Sparland.
Birkley, N. T.	Cuba.		
Blue, Jesse.	Norris.	Daley, Thomas.	Diamond.
Bonick, Andrew.	Gilchrist.	Dauck, John.	LaSalle.
Bowman, George W.	Yates City.	Davenport, Thomas.	New Castle.
Brown, G. A.	Iles Junction.	Davis, George W.	Hanna City.
Bruback, J. W.	Pawnee.	Davis, Thomas.	Swanwick.
Brumann, Albert.	Springfield.	Davis, William H.	Streator.
		Davison, J. G.	St. John.
Campbell, Albert.	Pottstown.	Dawson, John.	Streator.
Campbell, James.	Coal City.	Dawson, Thomas.	Streator.
Carlson, Alexander.	Galva.	Dawson, V. C.	Spring Valley.
Carrington, Eugene.	Moweaqua.	DeRacher, Thomas.	Elmwood.
Carter, Albert J.	Pinckneyville.	DeHaas, B. L.	Tallula.
Chitwood, William.	Glenburn.	Dietrich, Philip.	Freeburg.
Clark, Charles M.	Duquoin.	Dillon, John.	Anuburn.
Cline, John.	LaSalle.	Doe, R. P.	Glen Carbon.
		Dodd, Samuel.	Pottstown.

## Certificates of Service—Continued.

Name.	Postoffice.	Name.	Postoffice.
Ebel, August	Belleville	Marshall, Robert	Yates City
Edwards, George W.	Springfield	Matthews, George	Duquoin
Egerton, J. O.	Colchester	Mattern, Daniel	Spring Valley
Ekis, Daniel B.	Springfield	Matthews, C.	Marion
Essex, George M.	Soperville	Matthews, Wm. G.	Bartonville
Evans, Albert	Glen Carbon	Maurer, Edward	Spring Valley
Everett, Charles	Rutland	Maxwell, Fred	Peoria
		McClaster, Thomas	Muddy Valley
Fischer, George	Staunton	McDonald, William H.	Pana
Fisher, Patrick	Kangley	McLean, John	Pleasant Plains
		McMillen, W. M.	Danville
Gandy, James W.	Peoria	McWerthy, G. A.	Smithboro
Glasford, Oliver	Orchard Mines	Melvin, T. M.	Tamaroa
Glenam, Philip	Williamsville	Milem, John	Spring Valley
Graham, J. A.	Nilwood	Miller, William	Streator
Graham, Reuben	Nilwood	Morrison, Archie	Oglesby
Grattendick, Fred	Virden	Mumford, E. A.	Kewanee
Greaves, Allen	Okawville	Murray, James H.	Galva
Grey, David F.	Nashville		
Grierson, John	Springfield	Neal, Ambrose	Barclay
Grimshaw, Joseph	Streator	Neil, John H.	Bunker Hill
Groom, John	LaSalle	Neilson, J. W.	Sparta
	Belleville	Nicholson, Geo. A.	Cuba
		Nord, John E.	Galva
Haas, Jacob	Millstadt		
Hackett, Owen	Spaulding	Ogden, David	Rentchler
Hagler, Charles	Fredonia	Ogden, Samuel	Mascoutah
Hall, Geo. R.	Nilwood	Olson, Aug.	Kangley
Hanson, William	O'Fallon	Osborne, Benjamin	Streator
Harms, Heike	Petersburg	Ottinger, William	Catlin
Harris, J. T.	Tamaroa		
Heaxer, F.	Sandoval	Pankey, John M.	Equality
Hickox, Lee	Springfield	Peet, Charles	Marseilles
Howe, Charles	Streator	Pendergast, James	Soperville
		Phillips, William	Hallidayboro
Ichman, Frank	Spring Valley	Pieton, Joseph	Farmington
Isadore, Charles	Sparta	Pieton, Thomas H.	Farmington
Isadore, George	Sparta	Piper, Oliver	Worden
		Prichard, H. C.	Lewistown
		Pritchert, T. M.	Niantic
Jackson, William	Mionok		
Jacobs, John P.	Orchard Mines	Qualls, Nevel	Dubois
Jacobs, William	Murphysboro	Quick, A. T.	Sato
Jamison, John	Petersburg		
Jeffrey, William	Gilchrist	Raber, Louis	Caseyville
Johnson, Edgar W.	Marissa	Radford, James W.	Cuba
Jones, George W.	Riverton	Radford, W. T.	Bloomington
Jones, T. A.	Muncie	Rahaur, Michael	Pawnee
Judd, Thomas	Cuba	Redyard, John	Odin
		Reese, William M.	Roanoke
Kearney, E.	Hallidayboro	Reid, A. B., Jr.	Duquoin
Kelly, Martin	Toluca	Renard, James E.	Westville
Kemper, Christian	Belleville	Reum, Charles H.	Sorento
Kennedy, W. J.	Edwardsville	Rice, B. F.	Harrisburg
King, Alexander, Jr.	Carterville	Richmond, Edward B.	Winchester
King, John	Carterville	Rieger, John C.	Pinckneyville
Kirby, Thomas, Jr.	Peru	Riley, Michael	Westville
Klaug, John	Galva	Roach, Samuel	Tamaroa
Klaus, Louis	Belleville	Rogers, George	Sunfield
		Rogers, Henry	Braidwood
Langran, James	Fairbury	Rude, Edmund	DeSoto
Larson, Charles L.	Galva		
Lathan, William H.	Hallidayboro	Sallade, George A.	Chatham
Lewis, Jacob H.	Pottstown	Sanson, T. J.	Carterville
Lewis, William	Wanlock	Sawyers, Joseph	Coal City
Lippert, Adolph	Kewanee	Schmacher, Charles	Marissa
Lloyd, Benjamin	Rentchler	Schramm, Charles	Belleville
Love, William	Virden	Seebach, Joseph	Spring Valley
Lundberg, Eric	Galva		



*Certificates of Service—Concluded.*

Name.	Postoffice.	Name.	Postoffice.
Sexton, LaFayette.....	Dawson.....	Wallace, Harry G.....	East Peoria.....
Seymour, A. J.....	Fredonia.....	Warner, Andrew M.....	Wenona.....
Sheppard, W. C.....	Marquette.....	Waymire, James.....	Assumption.....
Shurm, Fred.....	Gardner.....	Wertwood, Edward.....	Birkner.....
Smith, Geo. W.....	Virginia.....	Wheatley, Rolley.....	Duquoin.....
Sorrells, D. H.....	Ashland.....	White, Henry.....	Riverton.....
Sowarby, Miles.....	Willisville.....	Williams, Huston.....	Spaulding.....
Stoker, Edward.....	Bartonville.....	Williams, Stephen P.....	Wyoming.....
Streck, William.....	Belleville.....	Williams, Watson.....	Barclay.....
Stroud, William.....	Worden.....	Willis, Harry.....	New Castle.....
Struck, Carl.....	Springfield.....	Wood, Daniel A.....	Colfax.....
Stuart, John.....	Oglesby.....	Woolbright, D. A.....	Centralla.....
		Wonnes, Joseph.....	Birkner.....
		Wormack, Charles A.....	Glen Carbon.....
Tanner, Henry.....	Pinckneyville.....		
Taylor, Benjamin.....	Bartonville.....	Zeigler, John.....	Iles Junction.....
Taylor, Willard W.....	Tamarora.....		
Tefft, Ernst.....	Girard.....		
Telfer, John K.....	Morris.....		
Thome, Martin.....	Martinville.....		

## MINE EXAMINERS HOLDING CERTIFICATES OF COMPETENCY.

The revised mining law of 1899 changed the title or name "Fire Boss" to that of "Mine Examiner," and provided that those holding certificates as Fire Boss could exchange the same for that of Mine Examiner.

The names followed by the abbreviation "ex," have made such exchange; those by "d" are deceased. The list includes all Mine Examiners to whom certificates have been issued prior to January 1, 1908.

Name.	Postoffice.	Name.	Postoffice.
Abel, George	East Peoria	Barkley, George	Greenview
Adams, Alexander	Carterville	Barn, John T.	Westville
Adams, William M.	Centralia	Barlow, Harry	Johnston City
Adrien, Charles H.	Hanna City	Barwick, Sylvester	Carterville
Ainslie, Walter E.	Zeigler	Bartman, Robert	Farmington
Akers, Max	Edwards	Barrowman, Geo. S.	Bush
Allen, Ben	Virden	Barrowman, Wm. T.	DeSoto
Allen, Fred	Centralia	Barrowman, James, Jr.	Spring Valley
Allen, Taylor	Auburn	Basso, Joseph	Athens
Alexander, John	Cable	Baunder, Fred	Herrin
Alexander, David H.	Pinckneyville	Baugh, William	Dawson
Amberger, Joseph	Chatham	Bauer, John H.	Freeburg
Andree, John W.	Greenview	Beechan, William	Cardiff
Anderson, James	Marion	Beechan, Walter	Breerton
Anderson, Wm.	Glen Carbon	Beekman, Theodore	Glen Carbon
Anderson, Joseph T.	Nashville	Beese, Charles	Belleville
Andrew, Thomas	Oglesby	Berg, Fred A.	Mt. Olive
Andrew, Thomas	Kangley	Bertoglio, Peter	Virden
Appleby, Robert E.	Peoria	Beggs, David	Fairbury
Archibald, George	Green Ridge	Beard, Jacob	Duquoin
Armstrong, J. J.	Herrin	Beisel, John	Worden
Armstrong, George	Riverton	Belch, Thomas	Herrin
Arnold, Joseph	Coal City	Bell, Arthur	Carterville
Arnold, Stephen	Oglesby	Bell, William	Streator
Asbery, E.	Salem	Beltz, F. J.	Eldorado
Ashley, George S.	Willisville	Bennett, David R.	Mt. Olive
Asbery, J. B.	Salem	Bennett, William	Danville
Ashton, John T.	Farmington	Bergony, Henry	Toluca
Atkinson, John G.	Cable	Berthold, Edward	Staunton
Avery, William	Belleville	Beger, E. Crust	Mt. Olive
		Bernard, Edward	Danville
		Bernthal, Carl	Worden
Back, Robert	Farmington	Berry, W. C.	Staunton
Backes, John L.	Mapleton	Brunson, Wm.	Winchester
Bailey, David	Sunfield	Betson, Robt.	Farmington
Bailey, William	Sunfield	Betson, Richard	Farmington
Bailey, Charles	Sunfield	Bettison, William	Canton
Bailey, James W.	Duquoin	Bevan, Wm.	Spring Valley
Baird, Daniel	Sparta	Beynon, J. G.	O'Fallon
Baker, Charles	Centralia	Biehl, Charles	Belleville
Baker, Sherrard	Gillespie	Bigelow, George	Spaulding
Baker, Robert	Auburn	Biroschik, John S.	Streator
Baker, Samuel G.	Auburn	Bishop, John, Jr.	Sunfield
Baker, Wm. F.	Murphysboro	Blair, Herbert M.	Centralia
Baldwin, J. F.	Equality	Blaseck, Frank	Johnston City
Balzino, John	Toluca	Bluefield, Charles	Coal City
Barker, John	Centralia	Blakemore, George	Streator

*Mine Examiners, Certificates of Competency—Continued.*

Name.	[ Postoffice.	Name.	Postoffice.
Blenkinsopp, Thomas, Jr.	Cable	Cameron, Duncan	Virden
Blessing, Ben	Wesley	Cannon, John	Marquette
Blythe, Joseph	Gillespie	Capet, Moses	Coal City
Blue, J. W.	Grape Creek	Cappin, Aaron	Wenona
Blue, David	Thayer	Capstick, Arthur E.	New Baden
Blue, James	Thayer	Capstick, Wesley W.	New Baden
Bobell, Louis	Mt. Pulaski	Carlson, Andrew	Colfax
Both, J. Harvey	Marissa	Carr, J. W.	Odin
Booth, Enoch	Springfield	Carr, Wm.	Middletown
Bolt, Martin	Ladd	Carragher, Thomas	Zeligler
Ballingier, Charles	Farmington	Carroll, Anthony W.	Gillespie
Borg, Frank	Mt. Olive	Carter, Dillie	Carterville
Bost, Lock	Pana	Carter, James	LaSalle
Boston, John W.	Tallula	Carter, Samuel	Braceville
Bouer, Benj. F.	Herrin	Cartrell, Claude	Herrin
Bowen, Gwilym	Herrin	Carylon, J.	Oglesby
Bowen, Melvin I.	Blue Mound	Case, William	Diamond
Bowen, J. W.	Taylorville	Casey, James	Selbytown
Bowie, Thomas	Braidwood	Casey, John	Braidwood
Bowie, Robert	Braidwood	Casey, John	Williamsville
Bowman, Jacob	Salem	Cashen, W. P.	Lincoln
Boyer, John	Fairmount	Castillo, Henry (d.)	Pana
Boyer, Albert	Sparta	Cave, Albert	Streator
Bogue, James J.	Springfield	Chadderton, John	Lenz Station
Bracewell, Warren	Danville	Champe, Wm. M.	Coffeen
Brayfield, Henry	Carterville	Champ, J. W.	Colchester
Bradley, James L.	O'Fallon	Champley, James	Wenona
Bradley, James	Belleville	Chance, John	Farmington
Bradock, Joseph H.	French Village	Charnock, James	Decatur
Brantley, Edgar	Murphysboro	Charlton, Edward	Riverton
Breeze, John E.	Taylorville	Chere, W. L.	Middle Grove
Brennan, Patrick	Toluca	Christie, Wm. T.	Herrin
Brennan, John E.	Virden	Cisey, William T.	Ava
Brennan, George	Caseyville	Clark, Walter	Lebanon
Breen, John	Springfield	Clark, Robert	Farmington
Brewer, Emery A.	Mt. Pulaski	Clark, Joseph B.	Hornsby
Brinley, Wm.	Westville	Claunch, Marion	Reeves
Britton, Charles	Collinsville	Clelland, Wm.	Rutland
Brod, Peter A.	Odin	Craine, J. E., Jr.	Murphysboro
Brook, Isaac	S. Wilmington	Cruikshanks, Wm. A.	Witt
Brooks, Mac	Pleasant Plains	Cunningham, David	Carlinville
Brown, Ben F.	Bryant	Champley, James (ex)	Wenona
Brown, Harry	Hillsboro	Coleman, Mont.	Virden
Brown, Leslie L.	Peoria	Collins, Charles S.	Murphysboro
Brown, Matthew	Springfield	Condou, Charles H.	Hanna City
Brown, Archibald	Streator	Combest, R. E.	Pana
Brown, John T.	Ledford	Connolly, Terrance J.	Assumption
Brown, G. J.	Elkville	Cansidine, John	Belleville
Brown, Thomas	Farmington	Coogan, William	East Peoria
Brooks, Peter (d.)	Taylorville	Cook, William	Duquoin
Bryan, William	Virden	Cook, Frank	Westville
Bullough, James	Girard	Cook, Elijah	Wanlock
Bundy, John	Streator	Cook, Thomas	Belleville
Bumgartner, Andrew J.	Barclay	Cook, Thomas	Belleville
Burgess, Wm. W.	Johnston City	Cook, Amt.	Reeves
Burbridge, Charles	Farmington	Cooper, Moses	Athens
Burke, John	Westville	Connor, James	Tilden
Burnett, J.	Hallidayboro	Cooper, Siemon	Springfield
Burnett, Thomas	Hallidayboro	Corcoran, James	Carterville
Burns, James, Sr.	Springfield	Corcoran, Charles	Carterville
Burns, Geo.	Danville	Cordon, Richard	Coulterville
Burns, J.	Spring Valley	Cosgrove, Bernard	Sparta
Burns, Wm. S.	Gillespie	Cosgrove, John	Sparta
Butler, W. H.	Percy	Costello, Henry (ex) (d.)	Pana
		Cowley, William	Duquoin
		Cowley, Peter	Westville
Cadmus, George T.	Lebanon	Crane, Roy	Tamaroa
Cahill, W. H.	Royalton	Crichton, Lawson	Taylorville
Campbell, Robert	Witt	Crofts, Robert	Cardiff
Campbell, James	Assumption	Critchey, Harry	Glen Carbon
Campbell, John J.	Seatonville	Cross, Thomas	Johnston City
Campbell, Edward	Peekin	Connaughton, Edward	Belleville
Campbell, Wm. A.	Seatonville	Cox, E.	Centralia

*Mine Examiners, Certificates of Competency—Continued.*

Name.	Postoffice.	Name.	Postoffice.
Cox, Norman	Murphysboro	Edwards, Thos.	Murphysboro
Cox, W. E.	Centralia	Edwards, Paul L.	Eldorado
Cox, Will M.	Edwardsville	Ehler, William	Mt. Olive
Cumming, J. M.	East Peoria	Ellison, Charles R.	Pana
Cummins, Ross	Danville	Emmerson, Arthur	Cartersville
Dacy, William	Springfield	English, Thomas	Streator
Daenzer, John A.	Glen Carbon	Esper, Frank	Spaulding
Dailey, Charles	Springfield	Ersenberg, H. W.	Peru
Dale, John	Streator	Eubanks, Edward R.	Hallidayboro
Dallas, Charles	Odin	Euright, James	Farmington
Dale, Henry, Jr.	Herrin	Eudean, John	Farmington
Davis, John	Kingston Mines	Ernest, Lewis	Mt. Olive
Daly, William	Staunton	Evans, John	Sandoval
Dalzell, Andrew	S. Wilmington	Evans, Edward J.	Pekin
Damrath, Frederick	Virden	Evans, Wm. A.	Danville
Dangerfield, Edward	Herrin	Evans, Gwilym I.	Duquoin
Daniel, John	Belleville	Evans, Evan P.	Cuba
Daughterty, Chas.	Spring Valley	Evans, Reese	Kangley
Daniels, David	Belleville	Evans, William R.	Farmington
Dave, Charles	Lenzburg	Fairburn, Geo.	Streator
David, Emmer E.	Astoria	Fairley, Matt	Farmington
Davis, George	Springfield	Falconer, George P.	Belleville
Davis, Thomas	Nilwood	Fareno, Joseph	Streator
Davis, William	Streator	Farmer, James	Marissa
Davis, Thomas	Streator	Farrand, Walter	Barclay
Davis, John E.	Cambria	Farrell, John H.	Springfield
Davis, William H.	Streator	Farrimond, Joseph	Staunton
Davis, Jackson	Athens	Faughn, James Lewis	Murphysboro
Davis, William	Streator	Ferges, Edmund	Herrin
Davis, John	Taylorville	Ferguson, Wm.	So. Wilmington
Davis, Wm. J.	Spring Valley	Fickart, Henry	Staunton
Davenport, W. H.	Hillsboro	Ficker, F.	Staunton
Davidson, Frank A.	Sparta	Fiellingham, John E.	Peoria
Davidson, Forest W.	Sandoval	Firth, Ben.	Virden
Davidson, Wm.	Christopher	Felto, Logan	Johnston City
Davidson, William D.	Sandoval	Felton, Harry	Petersburg
Day, Louis B.	Taylorville	Finn, Michael	So. Wilmington
Day, John H.	Belleville	Flynn, Edward	Duquoin
Dayton, J.	Roanoke	Flynn, Charles	Pana
Dawkins, Wm. E.	Rentchler	Flynn, Wm.	Willisville
Deming, Frank R.	Zeigler	Flynn, John	Duquoin
Dickey, J. G.	Sparta	Flynn, Wm. H.	Cartersville
Dickinson, Wm. F.	Athens	Fletcher, Earl	Duquoin
Dickinson, Geo.	Chatham	Ford, Charles	Centralia
Diehl, Louis	Belleville	Ford, John	Tilden
Dilts, Harry	Farmington	Forsythe, Hugh	Marissa
Dillon, James	Braidwood	Foster, Ralph	Marion
Dodge, H. N.	East Peoria	Foster, Charles	Riverton
Doeris, Charles	Harrisburg	Foster, Luke	Farmington
Dobbs, Henry	LaSalle	Fox, John	Elmwood
Doerr, Emil	Johnston City	Frank, Anton	Freeburg
Donnelly, Andrew	LaSalle	Fremgen, C. J.	Glen Carbon
Donnier, P. J.	Westville	Fremger, Hubert	Mt. Olive
Dooracheck, Emil	Belleville	Fremgen, C. W.	Glen Carbon
Donkin, Jonathan, Sr.	LaSalle	Fren, Thos.	Staunton
Donivan, Dan	Johnston City	Fround, Isaac	Taylorville
Downs, Thomas	Westville	Freyer, Alfred	Springfield
Dowell, W.	Danville	Frankovitch, Joseph	Kangley
Dowell, William C.	Centralia	Fraugen, William	Troy
Draper, Orason	Divernon	Funk, William	Johnston City
Draper, John	Clifford	Fuller, P. H.	Pekin
Drake, Jess.	Glen Carbon	Fuholler, Ross	Streator
Dubols, James	Oglesby	Gahagan, Frank	Harrisburg
Duncan, John C.	Murphysboro	Galbraith, Patrick	Coal City
Dunkel, George E.	Pleasant Plains	Galvin, Martin	Assumption
Dusenberry, Walter	Marissa	Gallagher, J. M.	Cartersville
Eadie, John	Sherman	Galligan, Michael	Herrin
Eddy, Geo.	Streator	Gamble, David	Farmington
Edmunds, Morgan	Mt. Olive	Gastenecker, William	Troy
Edwards, Benj.	Westville	Gebauer, Joseph	Glen Carbon
Edwards, Randolph J.	Tilden	Geddis, Hamilton A.	Chatham

*Mine Examiners, Certificates of Competency—Continued.*

Name.	Postoffice.	Name.	Postoffice.
Gerit, Albert C.	Staunton	Harvey, C. M.	Williamsville
Gerlity, Herman	Marissa	Hatmaker, Sterling	Herrin
Getteman, L.	Centralia	Hawkins, Sidney	Belleville
Grebandy, Honroe	Westville	Hayden, G. S.	Wenona
Geibel, Nick	Springfield	Haydon, Martin	Sherman
Gillespie, John	Divernon	Hayes, Webster	Glen Carbon
Gillespie, James	Cantrall	Hanson, Charles	Danville
Gladson, Leo	Duquoin	Hannah, Edward	Springfield
Gleich, Fred	Pekin	Hanna, James	Mayton
Glover, Richard	Belleville	Hanison, William	Belleville
Gloss, Michael	Gardner	Hardin, Hiram H.	Divernon
Goche, William	Staunton	Harvey, Frank	Springfield
Goddard, W. H.	Herrin	Haskins, Joseph	Catlin
Gosnell, N. F.	Herrin	Hedges, R. A.	Herrin
Gosnell, Ira	Herrin	Hassler, John E.	Belleville
Goss, Robt.	Streator	Hillery, T.	Sherrard
Grabruck, Emile	Gardner	Haywood, Joseph	Centralia
Graham, L. A.	Bloomington	Hebenstreet, J. A.	Staunton
Graham, Albert	Virden	Heck, Mat	Belleville
Graham, Geo.	Virden	Hein, Fred	Sparta
Graham, Robt. H.	Springfield	Hellery, G. M.	Dumfermline
Gramlich, Fred W.	Belleville	Hefington, W. T.	Coulterville
Gray, Alexander	Gillespie	Helm, Theodore	Staunton
Gray, James C.	Girard	Helm, Guido	Mt. Olive
Gray, Henry	Athens	Hemmersbach, Peter	Farmington
Gray, William	Streator	Hemphill, Clarence W.	Marissa
Green, Wm. H.	Belleville	Henley, J. H.	Odin
Green, J. W.	Springfield	Hensler, Bruno	Mt. Olive
Green, Thomas H.	Springfield	Henley, John, Jr.	Odin
Greenam, John	Coal City	Henderson, John D.	Herrin
Gregor, Charles	Springfield	Henderson, Alexander	Springfield
Grieve, Peter	Belleville	Henderson, J.	Spaulding
Grier, Robt.	Tice	Henny, Jackson	Farmington
Grier, Jess.	Belleville	Herbert, Albert W.	Athens
Grieve, Robt.	Collinsville	Hergert, Joseph M.	Lincoln
Griffin, John B.	Nautic	Herring, Albert	Murphysboro
Griffith, Peter	Paisley	Heron, George	DeSoto
Griffiths, Evan	St. David	Herbert, Stephen	Staunton
Griffith, David	Centralia	Hexter, John	Freeburg
Grills, Landon C.	Duquoin	Herzog, W.	Glen Carbon
Groom, Isaac	Belleville	Hickman, Lewis H.	Bissell
Guiney, Martin	Marion	Hill, Peter H.	Hillsboro
Guiney, Robert	Herrin	Hickey, John	Mt. Olive
Guthrie, J. C.	Herrin	Hittmiur, John	Mt. Olive
Guthrie, F. T.	Minonk	Hines, William	Rutland
Guy, John	Streator	Hippard, W. J.	Belleville
		Hippard, Edwin J.	Coulterville
Hackett, Joseph	Blue Mound	Hoeking, Arthur J.	LaSalle
Haddow, Thomas	Pana	Hoge, James P.	Streator
Haifter, Charles	Mt. Olive	Hodder, Jacob	Norris
Haifter, Paul E.	Mt. Olive	Hoffman, Albert Otto	Girard
Hardman, J. J.	Auburn	Hood, John	Divernon
Hall, Joseph	Auburn	Hooper, Geo.	Winchester
Hall, Thomas	Auburn	Houston, Robert J.	Lebanon
Hall, Albert	Herrin	Holcomb, Reuben	Westville
Hall, John W.	Riverton	Holcomb, Steve	Westville
Hall, Tead	Murphysboro	Holden, Andrew	Coal City
Halmbacher, Frank	Decatur	Holman, W. A.	Danville
Harris, William	Hallidayboro	Hope, Geo.	Johnston City
Harrison, James	Athens	Hopkins, Reese	Litchfield
Harrison, John	Odin	Hopkins, David	Willisville
Hau, George	Litchfield	Homer, Fred	Sandoval
Hamilton, David	Assumption	Horning, E. E.	Harrisburg
Hampton, Harry	O'Fallon	Hotiriz, Alexander	Edwardsville
Handwright, J.	Virden	Howell, J.	Carterville
Haisfield, Aaron	Oglesby	Howell, John W.	Staunton
Hart, Chas. J.	Virden	Howells, George	Staunton
Harris, Tom	DeSoto	Hoye, William	Braidwood
Harris, William	Hanna City	Honbaum, M.	Herrin
Harrison, Robert	Cornell	Hughes, John	Decatur
Harrison, John, Jr.	Coulterville	Hughes, Frank P.	Kangley
Harron, Walter	Sorento	Hutchinson, Ralph	Barclay
Haselton, F.	Springfield	Huyett, Lester	Farmington
		Hutton, John	Auburn

*Mine Examiners, Certificates of Competency—Continued.*

Name.	Postoffice.	Name.	Postoffice.
Idle, Hiram		Kimmel, Theodore	Hallidayboro
Irets, Daniel	Mt. Olive	Kingsley, G.	Kingston Mines
Ingerski, Stock, B.	Minonk	Kingsley, T.	Kingston Mines
		Killingworth, Chas. H.	Pinckneyville
		Kleist, Theodore	Mt. Olive
Jackson, John	Marion	Klein, Andrew	Streator
Jackson, Benj.	Norris	Klingenfus, Wm.	Belleville
Jackson, E. W.	Christopher	Kloever, Matthew	Pana
Jackson, Thomas	Cable	Knapp, Charles	Seatonville
Jacobs, Walter	Johnston City	Knapp, Jerome	Duquoin
Jacobs, Geo. A.	Streator	Knies, Harry	Breese
James, Jonah	Grape Creek	Koehler, Charles	Lincoln
James, Walter	Divernon	Kohers, Adam	Breese
Jaques, Charles	Riverton	Kalkmann, Gustav	Marissa
Jarrell, Edward	Harrisburg	Kortkamp, Karl	Hillsboro
Jarniski, Mike	Streator	Kortkamp, Lewis	Hillsboro
Jarrard, John	Johnston City	Kosesky, Abel	LaSalle
Jarrard, John	Johnston City	Krallman, Chas.	Glen Carbon
Jasper, John	Duquoin	Kramer, Frederick	Centralia
Jeffries, Thomas R.	Herrin	Kramer, Leo	Mt. Olive
Jefford, Thos. H., Jr.	Glasford	Kreppert, William	Springfield
Jeffrey, John	Murphysboro	Krump, Chas.	Lebanon
Jenkins, Richard	LaSalle	Krumeich, John A.	Glen Carbon
Jenkins, A. J.	Peoria	Kuehnel, August	Braceville
Jenkins, T. C.	Murphysboro	Kunkle, Edward	Middletown
Jenson, August	Breese		
Jenkins, August H.	Staunton		
Jennins, Wm. M.	Athens	Lamar, Frank	Worden
Jeremiah, John J.	Duquoin	Lamb, George	Springfield
Jerdon, Otto	Herrin	Lauder, Frank	Cartersville
Jeten, T. F.	Roanoke	Langhorn, Edward	Johnston City
Johnson, David	Oglesby	Lanxon, Walter	Belleville
Johnson, Peter J.	Pe'kin	Larrick, O. O.	Divernon
Johnson, Samuel	Oglesby	Lasley, Wm.	Hallidayboro
Johnson, James N.	Cartersville	Lawson, Arthur	Edwardsville
Johnson, Nels.	Johnston City	Lawson, John	Cable
Johnston, John M.	Reeves	Lawson, Thomas	Johnston City
Jones, Alex.	Oglesby	Lawson, Edward H.	Percy
Jones, Thomas H.	Centralia	Lawrence, Geo.	Spring Valley
Jones, Ben J. (ex)	Coffeen	Leach, John	Auburn
Jones, David L., Jr.	Taylorville	League, Albert	New Baden
Jones, John E.	Paisley	Ledford, L.	Ledford
Jones, Thomas	Lebanon	Lettsun, Wm.	Seneca
Jones, John	Duquoin	Lee, John J.	Belleville
Jones, Willis	Springfield	Linton, Quincy M.	Gillespie
Jones, Benj. J.	Herrin	Little, Claud	Vandercook
Jones, Morgan	Coffeen	Little, Wm.	Herrin
Jones, Robert R.	Litchfield	Lehwald, Herman	Springfield
Jones, Wm. Hy.	Oglesby	Lloyd, Rolland R.	Barclay
Jones, John O.	Catlin	Loeffler, Anton	LaSalle
Jones, David	Braceville	Loescher, Chas. B.	Mt. Olive
Jones, John	Westville	Lofley, Chas.	Canton
Jones, Thomas	Clark City	Longshore, Harry A.	Duquoin
Jones, Thomas	Taylorville	Long, J. W.	Norris
Jones, Jordan Robert (d.)	Streator	Londrigan, Joseph	Springfield
Jordan, Alfred	St. David	Lockhart, James M.	Sunfield
Jourdain, Ramond	Springfield	Lockard, M. J.	Tower Hill
		Lore, William	Springfield
		Lorden, Michael	Centralia
Kane, J. M.	Springfield	Love, Jas.	Herrin
Kancy, John	Centralia	Love, Claude	Farmington
Kaiser, Frank	Belleville	Lowes, John	Benton
Kaveny, John R.	Troy	Lumaghi, Louis F.	Collinsville
Keating, John P.		Lyons, Mark	Lincoln
Keages, Charles	Wesley City		
Kelly, Thos. E.	Petersburg	Macke, Jacob F.	Ledford
Kenney, Wm.	Sparland	Mahr, Edward	Lincoln
Keinbush, David	Farmington	Madison, Joseph	Sherman
Kepper, Wm.	Peru	Maitlang, H. S.	Nashville
Kerchner, John	Belleville	Malcor, Henry	Riverton
Kerr, George	Fairbury	Malcor, Frank	Springfield
Kidd, Wm.	Witt	Malcor, Joseph P.	Spring Valley
Klidd, S. A.	Oglesby	Malban, Samuel	Farmington
Kliha, Charles J.	Belleville	Mancees, Charles	Centralia
Kimball, Ben	Zeigler		

*Mine Examiners, Certificates of Competency—Continued.*

Name.	Postoffice.	Name.	Postoffice.
Mann, Jacob	Mascoutah	Mulhollen, Peter	Bissel
Markel, Albert	Hillsboro	Mulligan, Thomas	Springfield
Marland, Wm.	Sparland	Mullage, Jos.	Worden
Marland, Wm.	Staunton	Mulling, Edward	Farmington
Markham, John J.	Taylorville	Mulhollin, Joseph	Springfield
Mason, Myrick	LaSalle	Munster, James	Muncie
Martin, Samuel	Glen Carbon	Muir, Andrew	Springfield
Martin, William	LaSalle	Murphy, John	Braidwood
Marsteiner, J. J.	Tamaroa	Murphy, Peter	Hillsboro
Maggs, Jacob	Danville	Murphy, Michael	Pana
Massie, Alfred N.	Belleville	Murrell, Wm.	Westville
Massie, J. G.	Belleville	Murry, James	Auburn
Matthews, John E.	Riverton	McAdam, Joe	Pana
Mee, James	Spring Valley	McAleney, Edward	Springfield
Mee, Peter J.	Spring Valley	McAlphin, W. H.	Marion
Merkel, Benj.	Sandoval	McCall, Maurice R.	Odin
Mayne, Thomas	Glen Carbon	McCranor, James	Girard
Maynard, Thomas	Wanlock	McCarnes, Henry	Marissa
Maxwell, William	Eldorado	McCrinkle, David	Oglesby
Mayhen, R. G.	Murphysboro	McConkey, Geo.	Marion
Meyer, B.	Staunton	McDade, David	Edwardsville
Meyer, Louis	Breese	McDonald, Wm.	Braidwood
Myers, Isaac	Harrisburg	McDonald, Adam S.	Dalzell
Midyett, Jesse	Hallidayboro	McDonald, Archibald	Westville
Millett, John	Collinsville	McDonald, Robert	Dalzell
Millett, Thomas	Troy	McDill, James	Assumption
Mitchell, Elijah J.	Farmington	McEwen, Charles	Carbon Hill
Mitchell, T.	Duquoin	McFadden, Wm.	Danville
Mitchell, Seliz	Marissa	McKillon, Donald	Carbon Hill
Mitchinson, John	Hanna City	McLachlan, Alexander	Springfield
Middletown, J. L.	Salem	McLachlan, John	Springfield
Miller, James	Edwardsville	McMillan, John	Gillespie
Miller, Alexander	Ridge Prairie	McGarrity, John	Springfield
Miller, Chas. H.	Glen Carbon	McKenzie, Alex. C.	Canton
Miller, C.	Glen Carbon	McKinney, Hugh (d)	Springfield
Miller, John K.	Staunton	McKinney, Albert	Springfield
Miller, J. C.	Gillespie	McKinlay, David	Farmington
Miller, G. W.	Pawnee	McLaughlin, John P.	Auburn
Miller, Albert	Glen Carbon	McLaughlin, Patrick	Chatham
Miller, W. W.	New Douglas	McBride, George	Mascoutah
Mills, G. J.	Lincoln	McFall, John	Springfield
Miles, E. E.	Centralia	McLaughlin, Wm.	Duquoin
Milenky, Michael	Mt. Olive	McLaughlin, Henry	Winchester
Mitchell, Andrew	Johnston City	McLean, Wm. F.	Iles Junction
Moffat, A. S.	Sparta	McManaman, John	Westville
Molloy, John	Blue Mound	McManaman, Edward	Westville
Monghan, T. P.	Springfield	McRae, Roderick	Belleville
Monson, Charles	Springfield	McNally, Arthur	Wenona
Monroe, W. R.	Carrier Mills	McVey, G. R.	Sorento
Montgomery, Wm.	Harrisburg	McQuinn, Robert	Sunfield
Moorcraft, Thomas	Farmington		
Mooney, Arthur	Chatham	Nation, Henry C.	Glen Carbon
Moore, Wm. A.	Springfield	Naylor, T. W.	Glen Carbon
Moran, Thomas	Assumption	Neal, Edward O.	Wolcott
Moran, Patrick	Marquette	Neil, A.	Spaulding
Morgan, Daniel S.	Springfield	Neil, Warren	Danville
Mornkio, Peter	Glen Carbon	Neil, F. C.	Gillespie
Morin, W. M.	Herrin	Neimes, William	St. David
Montjoy, John A.	Clark City	Newton, Walter	Spring Valley
Morris, James P.	Centralia	Nesbit, Charles	Freeburg
Morris, Earl	Duquoin	Nesbit, William	Belleville
Morris, John T.	Harrisburg	Nestler, Wm.	Spring Valley
Morrell, Fred	LaSalle	Neubauer, Julius	Troy
Morgan, E. T.	Georgetown	Neylen, Dennis	Shelbytown
Morgan, Joseph	Streator	Nichleson, Geo.	Tower Hill
Morgan, George L.	Glen Carbon	Nichols, Eli W.	Dunfermline
Morris, John H.	Wenona	Nichols, Walter	Benton
Morton, Luther	Reeves	Nichols, Walter	Benton
Moses, John L.	Johnston City	Nixon, Robert	Streator
Mosinmann, Fred	Troy	Nordine, John	Bloomington
Moughan, John J.	Springfield	Nordman, Joseph	Breese
Moss, Thomas	Staunton	Nordner, C. K.	Athens
Moss, Thomas, Jr.	Livingston	Norton, Wm.	Glen Carbon
Muentrich, J.	Staunton	Noll, Charles	Springfield
Muhs, Joseph	Belleville		

*Mine Examiners, Certificates of Competency—Continued.*

Name.	Postoffice.	Name.	Postoffice.
Noll, Peter.....	Belleville.....	Quinn, Bernard.....	Bloomington.....
Nordman, Ferdinand.....	Breese.....	Quinn, Thos. J.....	Lincoln.....
Novak, Peter.....	Minonk.....		
Nuttall, J. F.....	Athens.....		
Nye, C. L.....	Decatur.....		
O'Brien, Thomas.....	LaSalle.....	Raab, Rudolph.....	Carlinville.....
Oexner, Frank.....	Belleville.....	Race, George.....	Springfield.....
O'Connor, Patrick F.....	Paisley.....	Rackley, Emery.....	Pinckneyville.....
O'Connor, Henry.....	Spring Valley.....	Rae, Robert.....	Carbon Hill.....
Odum, Wiley.....	Harrisburg.....	Rainey, S. G.....	Harrisburg.....
Ogles, Virgil.....	Marissa.....	Randall, Wm.....	Belleville.....
Onul, John.....	Germantown.....	Ranse, Wm. E.....	Farmington.....
Olson, John.....	Danville.....	Rankin, Thomas A.....	Westville.....
Olive, Wm.....	Maryville.....	Ready, Thos.....	Springfield.....
Oloyd, Peter W.....	Springfield.....	Redpath, S. E.....	Mechanicsburg.....
Oyes, Frank.....	Kangley.....	Rearely, G. W.....	Riverton.....
Opp, Sherman W.....	Canton.....	Reid, Andrew.....	Springfield.....
Ormiston, John.....	Harrisburg.....	Reed, Albert.....	Braidwood.....
Owens, Evan.....	Auburn.....	Reed, James.....	Dunfermline.....
		Rees, Henry.....	Lebanon.....
		Rees, L. M.....	Hallidayboro.....
		Reeser, John.....	Springfield.....
		Rehg, Charles.....	Belleville.....
		Rennison, Henry.....	St. John.....
Parker, Joseph.....	Carbon Hill.....	Reuter, Max.....	Staunton.....
Parkinson, W. A.....	Herrin.....	Reynolds, John.....	Streator.....
Parker, Will C.....	Harrisburg.....	Reynolds, Andrew.....	Danville.....
Pascoe, James H.....	Belleville.....	Reynolds, David.....	Muncie.....
Patton, George A.....	Sandoval.....	Reville, M. A.....	Duquoin.....
Paul, John.....	Marion.....	Rhodes, D. R.....	Pana.....
Paul, Thomas W.....	Marion.....	Rhodes, J. L.....	Westville.....
Payne, Perry.....	Litchfield.....	Rice, Geo.....	Springfield.....
Payne, Emanuel.....	Litchfield.....	Richards, James.....	LaSalle.....
Pearson, George.....	Glen Carbon.....	Rigby, John.....	Kingston Mines.....
Peart, John.....	Braidwood.....	Ritchie, John.....	Glen Carbon.....
Peart, Jno., Jr.....	So. Wilmington.....	Ritson, Hugh.....	Farmington.....
Peck, William.....	LaSalle.....	Rider, James H.....	Pontiac.....
Percy, Robert.....	Tilden.....	Richard, James.....	Belleville.....
Peleck, Wm.....	Pekin.....	Richardson, Thos.....	Streator.....
Petrie, Geo. L.....	Collinsville.....	Richter, Franz B.....	Springfield.....
Peters, Benjamin.....	Streator.....	Robertson, Alexander.....	Murphysboro.....
Pettigrew, A.....	Roanoke.....	Robertson, R. W.....	Johnston City.....
Pettigrew, J.....	Roanoke.....	Roberts, Evan.....	Danville.....
Pettigrew, Robert.....	Roanoke.....	Roehl, Chas.....	Mt. Olive.....
Petty, John.....	Herrin.....	Robinson, Thos. J.....	Greenview.....
Phelan, Augusta J.....	Lincoln.....	Robinson, Robt.....	Athens.....
Phelps, George.....	Herrin.....	Robbins, Aaron.....	Mt. Pulaski.....
Phillips, Benjamin.....	Kangley.....	Roger, James.....	Virden.....
Phillips, Daniel.....	Spring Valley.....	Rogers, William J.....	So. Wilmington.....
Phillips, Wm. C.....	Streator.....	Rollo, Geo., Jr.....	Pana.....
Pick, Edward.....	Central City.....	Rolls, Richard.....	Pana.....
Piekett, J. W.....	Spring Valley.....	Rolls, James.....	Pana.....
Pickering, John L.....	Harrisburg.....	Rolandelly, C. D.....	Clarke City.....
Pickon, Felix.....	Danville.....	Rason, John P.....	Duquoin.....
Pickton, John L.....	Farmington.....	Ross, S. H.....	Gillespie.....
Pickus, August.....	Decatur.....	Ross, John H.....	Gillespie.....
Pierard, Edward.....	Coal City.....	Rothenberg, Paul.....	Spring Valley.....
Pinson, Samuel.....	Coffeen.....	Rowlands, Iver.....	Virden.....
Prankle, A. H.....	Pana.....	Royster, William.....	Duquoin.....
Pleschner, Osear J.....	Westville.....	Rozanski, Michael.....	Taylorville.....
Plumber, Arthur.....	Duquoin.....	Ruble, E. E.....	Roanoke.....
Preval, Fred.....	Springfield.....	Rude, Michael.....	DeSoto.....
Price, Fred W.....	Edinburg.....	Rucker, Charles.....	Georgetown.....
Petrie, Joseph.....	Belleville.....	Russell, Duncan.....	Danville.....
Poole, Robert H.....	Belleville.....	Russell, A. A.....	Edwardsville.....
Potter, E.....	Hanna City, R. R. No. 1.....	Runnels, Geo.....	Johnston City.....
		Ruff, William.....	Troy.....
Powell, David.....	Murphysboro.....	Rufus, H. H.....	Danville.....
Price, John B.....	Marissa.....		
Price, Wm.....	Braceville.....	Saathoff, John.....	New Baden.....
Prince, Thomas.....	Mt. Olive.....	Sanders, Fred.....	Herrin.....
Proser, Morgan.....	Livingston.....	Sands, Alonzo P.....	Maryville.....
Prudent, Edward.....	Centraalia.....	Sauer, G. G. Fred.....	Belleville.....
Pulliam, Albert J.....	Ladd.....		



*Mine Examiners, Certificates of Competency—Continued.*

Name.	Postoffice.	Name.	Postoffice.
Saurs, C.	Peoria	Snyder, Henry	Herrin
Sasage, Mike	Lincoln	Sollis, John	Centralia
Savill, Wm	Streator	Sorell, Harry H	Pana
Sawyer, L. C.	Taylorville	Southworth, Andrew P.	Belleville
Scattergood, John	Barclay	Spaulding, J. H.	Worden
Schardin, Henry	Collinsville	Soulsby, Henry	Mt. Olive
Schmidt, Conrad	Lincoln	Spiller, George	Johnston City
Schmidt, Henry	Staunton	Spires, Alfred	Braceville
Schmidt, A. R.	Spaulding	Spires, E.	Braceville
Schmithausen, Theodore	Mt. Olive	Spires, William	Braceville
Scarrett, William	Streator	Stafford, Frank	Lebanon
Schrader, Joseph H.	Murphysboro	Steel, Daniel	Collinsville
Scattergood, James	Dawson	Steele, D.	Centralia
Schoenbeck, A. C.	Belleville	Steele, Neal	Centralia
Schuette, H. F.	Mt. Olive	Stearns, James	Hallidayboro
Scheller, Julius	Mt. Olive	Stearns, John	Hallidayboro
Schrayner, Moses	Springfield	Stewart, W. B.	Virden
Schmelz, M. A.	Springfield	Stoneburner, L. L.	Sorento
Schreier, Gustave	Springfield	Sullivan, Michael	Tallula
Schiber, Rudolph R.	Glen Carbon	Slow, Michael	Braceville
Scott, Wm. J.	Springfield	Stelber, Anton	Glen Carbon
Scott, James	Springfield	Stephens, Willie	Oakwood
Scoby, Ray	Gilchrist	Steines, Benjamin	Willisville
Sebastian, Charles	Freeburg	Steux, Adolph	Auburn
Seidl, Frank J.	Sandoval	Stevens, Walter	Streator
Self, J.	Glen Carbon	Stevens, John	Cuba
Secor, T. D.	Odin	Stewart, John T.	Coulterville
Settles, Allen	Elmwood	Stewart, Ray	White Ash
Severit, Albert	Belleville	Stirrat, James	Canton
Shanahan, Patrick H.	Gillespie	Stieff, W. H.	Eldorado
Shanahan, George W.	Gillespie	Stirrup, Alfred	Duquoin
Shannon, Thos.	Worden	Stone, Wm.	Sherrard
Shannon, Abraham	Carbon Hill	Stone, Herman R.	Herrin
Snedden, Alex	Hollis	Stockman, Wm. C.	Belleville
Short, Thomas	Pekin	Straw, Joseph	Glen Carbon
Shurin, Peter	Auburn	Streitner, J.	Kewanee
Shroyer, Edward	Dunfermline	Stricklin, Wm. H.	Harrisburg
Shuster, Harb C.	Peoria	Stricklin, Clarence S.	Harrisburg
Shuster, B. J.	Peoria	Stuart, J. R.	Duquoin
Shaw, Henry	Spring Valley		
Siddall, Edward	Streator	Taake, Henry H.	Central City
Siddall, John W.	Streator	Taulbee, E. E.	Hillsboro
Siddall, James	Streator	Taylor, Henry	Belleville
Simpson, James I.	Streator	Taylor, Arthur J.	Belleville
Sine, C. A.	Herrin	Taylor, John P.	Belleville
Sisler, Ernest J.	Maryville	Templeton, Wm. H.	Cartersville
Smith, Geo. F.	Farmington	Templeton, Wm. C.	Cartersville
Smith, Geo. A.	Sandoval	Thaine, James	Litchfield
Smith, Arthur J.	Springfield	Thackston, Charles	Glen Carbon
Smith, Geo. T.	Dawson	Theford, Ira	Herrin
Smith, Henry	Smithton	Thom, John	Coal City
Smith, William H.	Taylorville	Thomas, John R.	Spring Valley
Smith, John P.	Glen Carbon	Thomas, Thos.	Eldorado
Smith, James	Streator	Thomas, Thomas	Sesser
Smith, George W.	Cartersville	Thomas, D. J.	Riverton
Smith, Benjamin	Canton	Thomas, W. J.	Spring Valley
Smith, Harry	Troy	Thomas, Wm. J.	Divernon
Smith, Ephraim	Westville	Thompson, Wm.	Mt. Olive
Smith, John H.	Herrin	Thornt, Joseph, Sr.	Trenton
Smith, J. I.	Farmington	Thrush, David Z.	Hanna City
Smith, William	Belleville	Trush, Wm. H.	Hanna City
Smith, Paul	Springfield	Thrush, David S.	Hanna City
Smith, Wm. F.	O'Fallon	Thomas, David	Canton
Smith, Joseph	Virden	Tillman, Henry	Centralia
Smith, Holden J.	Centralia	Tillery, Geo.	Belleville
Smith, Joseph	Moweaqua	Titler, William L.	O'Fallon
Smith, Matt	Centralia	Thompkins, Frank	St. David
Smith, Alex.	Danville	Tollmer, Fred	Glen, Carbon
Smith, John D.	Muncie	Tounsley, William	Kangley
Smith, Edward	Glen Carbon	Towers, Wm.	Zeigler
Smith, Manford	Farmington	Tonner, Martin	Beneld
Smart, James H.	Cuba	Trigg, Geo. H.	Cuba
Skipworth, James F.	Cartersville	Tretter, Joseph	Johnston City
Sneddon, Michael	Chatham	Tregoming, Geo.	Murphysboro
Sneddon, George	Chatham		
Snigler, Edward	Johnston City		

*Mine Examiners, Certificates of Competency—Concluded.*

Name.	Postoffice.	Name.	Postoffice.
Tregoining, Walter	Cartersville	Willard, Charles S.	Glen Carbon
Turner, Daniel	Thayer	Wilderman, John H.	DeSoto
Tumbleson, Thomas	Worden	Williams, C. C.	Oglesby
Twigger, Amos	Riverton	Williams, John	Belleville
		Williams, James	Livingston
		Williams, T. J.	Cardiff
Upperdine, Luke	Willisville	Williams, Anthony	Centralia
		Williams, Malvin D.	DeSoto
		Williams, William H.	Edinburg
		Williams, William F.	Pekin
Valew, Edward	Glen Carbon	Williams, E. A.	Cartersville
Vanghn, Robert	Belleville	Williams, David	Coffeen
Vallow, Ellis	Kinmundy	Williamson, Jacob H.	Bissell
Van Norman, Norman	Peoria	Williamson, Jacob	Bissell
Varner, J. M.	Maryville	Wilson, Henry, ex	Pana
Virdeber, John	Lincoln	Wilson, J. M.	Springfield
Vit, Charles	Litchfield	Wilson, James R.	Hillsboro
Vickers, Michael J.	Braidwood	Wilson, Arthur	Cartersville
Vogsey, John T.	Springfield	Wilson, Edwin	Belleville
		Wilson, G. A.	Sparta
		Wilson, John	Sparta
Waite, Walter	Spring Valley	Williams, William E.	Streator
Waite, Charles	Oglesby	Williams, David	Litchfield
Walker, James	Marion	Williams, Thomas	Kinmundy
Walker, William	Wilmington	Williams, Josiah	Witt
Walker, W. R.	Glen Carbon	Wilson, Henry	Pana
Walsh, John	Cuba	Wilson, W. A.	Belleville
Wall, David	Divernon	Wilson, Robert	Nokomis
Wall, J. E.	Divernon	Wilson, John H.	Harrisburg
Wallace, John	Cartersville	Winterbottom, John	Sparta
Ward, John G.	Streator	Winterbottom, J. G.	Sparta
Ward, Robert, ex	Streator	Winning, W. W.	Cartersville
Ward, Wilson	Paisley	Wonderlick, John	Marissa
Wardell, John	Marion	Wolf, John D.	Lincoln
Warembary, August	Orchard Mines	Wood, William	Streator
Warfrington, Frank	Divernon	Wood, Henry	Troy
Waugh, Robert	Herrin	Woodson, William R.	Springfield
Watson, Thomas	Central City	Woodson, E. L.	Springfield
Watson, John A.	Cartersville	Worthington, Hillard	Holidayboro
Watson, John	Worden	Wright, Ed. J.	Reeves
Watson, James R.	Cartersville	Wright, David	Cartersville
Watt, William	Petersburg	Wright, Robert E.	Equality
Wendler, Adelbert	Glen Carbon	Wright, William C.	Centralia
Westwood, F. T.	Belleville	Wright, Thomas	Belleville
Westwood, Joseph E.	Staunton		
Whalen, Michael	Greenridge	Yakcop, George	Streator
White, Louis	Spring Valley	Yemm, William	Gillespie
White, John	Pana	Young, Sidney J.	Canton
White, William H.	Riverton	Young, Alexander	Sawyer ville
White, Robert	Belleville		
Whitcamper, Louis	Lincoln		
Whitfed, R. H.	Nokomas	Zager, William	Lenzburg
Whitehead, Edward	Nokomas	Zagerman, Joseph	Mt. Olive
Whitehead, Edward	Farmington	Zink, P. J.	Belleville
Wilkinson, George R.	Bissell		
Wetherell, James	Ladd		
Weisgerber, Fred	Johnston City		
Wigham, William G.	Sparta		

## MINE EXAMINERS, CERTIFICATES OF SERVICE.

Name.	Postoffice.	Name.	Postoffice.
Arnold, Stephen.....	Kangley.....	Knepner, David.....	Girard.....
Bagshaw, George W.....	Virden.....	Kopps, August.....	Girard.....
Blakeman, George.....	Streator.....	Kortcamp, Carl.....	Hillsboro.....
Borg, Frank.....	Mt. Olive.....	Kortcamp, Lewis.....	Hillsboro.....
Boulton, Henry.....	Coal City.....	Lewis, Edward.....	Ladd.....
Bough, William.....	Dawson.....	Moffett, Edward A.....	Bartonville.....
Brooks, Peter.....	Taylorville.....	Montgomery, John H.....	Gardner.....
Brown, John.....	Streator.....	Mooney, Arthur.....	Kangley.....
Caveny, Edward.....	Pana.....	McDonald, M. E.....	LaSalle.....
Davis, Thomas.....	Nilwood.....	Ross, S. H.....	Girard.....
Franzen, Mat.....	Girard.....	Schmidt, Ernest.....	Mt. Olive.....
Gray, William.....	Streator.....	Schultz, John.....	Diamond.....
Griffin, John.....	Niantic.....	Shaw, Francis M.....	Hallidayboro.....
Hall, John Herbert.....	Minonk.....	Shopman, John.....	Mt. Olive.....
Hoesfield, Aaron.....	Oglesby.....	Siebenhawer, Wm.....	LaSalle.....
Hornanor, Paul.....	Lincoln.....	Sloufskie, Herman.....	Decatur.....
Hughes John.....	Decatur.....	Stewart, Samuel.....	Coal City.....
Humphreys, William.....	Clark City.....	Taylor, Samuel.....	O'Fallon.....
Jenkins, Rutland.....	LaSalle.....	Thomas, David.....	Canton.....
		Ward, Robert.....	Streator.....
		Wilson, Archie.....	Clarke City.....
		Wilson, John.....	Gardner.....
		Wood, Henry.....	Streator.....









