

SEVENTH INSPECTION DISTRICT—1906.

FIRST ANNUAL REPORT.

* Counties—Calhoun, Christian, Greene, Jersey, Macoupin, Montgomery, Morgan, Scott, Shelby.

W. W. WILLIAMS, *Inspector*, Litchfield.

HON. DAVID ROSS,

Secretary, State Bureau of Labor Statistics, Springfield, Illinois:

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 first annual report of the coal mines in the seventh inspection district. The tabular statements in this report contain the different items called for in the schedules.

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

Number of mines.....	71
Number of new mines.....	6
Number of mines abandoned.....	24
Number of shipping mines.....	36
Number of local mines.....	35
Tons of mine run coal.....	880,762
Tons of lump coal.....	2,639,885
Tons of egg coal.....	74,771
Tons of nut coal.....	236,809
Tons of pea or screenings coal.....	937,447
Tons of slack or waste coal.....	108,418
Total tons of all grades of coal.....	4,878,092
Average value of coal per ton, mine run, shipping mines.....	\$0.959
Average value of lump coal per ton, shipping mines.....	\$1.189
Average value of egg coal per ton, shipping mines.....	\$1.236
Average value of nut coal per ton, shipping mines.....	\$1.060
Average value of pea or screenings coal per ton, shipping mines.....	\$0.468
Average value per ton of slack and waste, shipping mines.....	\$0.31
Aggregate value of total product, all mines.....	\$4,845,349
Tons loaded on cars for shipment.....	4,313,683
Tons supplied to locomotives at mines.....	143,892
Tons sold to local trade.....	213,411
Tons consumed or wasted at the mines.....	207,106
Average number of days of active operation, shipping mines.....	175
Tons mined by hand.....	1,912,157
Tons mined by machine.....	2,965,935
Number of mines using machines.....	21
Number of machines in use.....	286
Number of miners.....	4,594
Number of other employes underground.....	1,366
Number of boys underground.....	216
Number of employes above ground.....	719
Total number of all employes.....	6,895
Number of kegs of powder consumed.....	74,007
Number of pounds of dynamite used.....	9,914
Number of fatal accidents.....	25
Number of non-fatal accidents.....	84
Number of wives made widows.....	13
Number of children left fatherless.....	32
Number of employes to each fatal accident.....	276
Number of tons of coal to each fatal accident.....	195,124
Ratio of fatal accidents per 1,000 persons employed.....	3.6
Number of employes to each non-fatal accident.....	82
Number of tons of coal to each non-fatal accident.....	58,073

The Act of the 44th General Assembly creating ten inspection districts in place of seven, gave to this district an entire new list of counties. The counties of Calhoun, Green, Jersey, Macoupin, Montgomery, Morgan and Scott were transferred from the old fifth district, Christian and Shelby from the old fourth.

The following comparative table shows the tonnage of each county with the increase or decrease for the years 1905 and 1906:

COUNTIES.	TOTAL OUTPUT OF ALL GRADES OF COAL—IN TONS.		Increase.	Decrease.
	1905	1906		
Calhoun.....	2,880	3,000	120	
Christian.....	857,890	826,500		31,390
Greene.....	14,659	8,016		6,643
Jersey.....	3,141			
Macoupin.....	2,530,840	3,241,087	710,247	
Montgomery.....	468,198	649,839	181,641	
Morgan.....	4,702	3,048		1,654
Scott.....	14,876	19,938	5,062	
Shelby.....	121,212	126,664	5,452	
Totals.....	4,018,398	4,878,092	902,522	39,687
Net increase.....			862,835	

The increase in tonnage this year over 1905 comes mainly from the increase in the output of Macoupin and Montgomery counties.

NEW MINES.

J. McLaughlin & Co. have sunk a shaft at Alsey, Scott county, to the No. 1 seam, which is 30 inches thick at that place. This seam has four feet of fire clay lying directly under the coal, and under the clay is about four feet of hard limestone, then 20 feet of good potter's clay. There is a good roof over the whole. The shaft is 8 by 14 feet, 100 feet to the coal. The tower is 56 feet high. The hoisting engines are a pair of 10 by 20 inches geared about five to one; one 50-inch tubular boiler. The boiler and engine house is a substantial building. A 10-foot Crawford & McCrimmon fan is ready to be put in as soon as the air shaft is down. A 6 by 6 inch steam pump, also a feed pump, is ready for use. The coal mined here is expected to be used to convert clay into pottery, brick, tiling, etc., for which purpose the Alsey Tile & Brick Company are now building a plant near the mine.

The Superior Coal Co. has put in operation their No. 3 mine near Gillespie, Macoupin county. The equipment of this mine excels somewhat those of its Nos. 1 and 2 mines.

The Clover Leaf Coal Mining Co., Coffeen, Montgomery county, has put in operation their No. 2 mine, a shaft 11 by 22 feet, 515 feet deep. The shaft is timbered with 8 by 8 inch frames, 4 feet apart, and lagged with 3 inch timber. The coal seam is 7½ feet thick. The tower is built of wood covered with corrugated iron and is 90 feet high. The cages are self-dumping, made by Wm. Elison, St. Louis, Mo. The capacity of pit cars is 3 tons. The track gauge is 42 inches, the hoisting engines are 36 by 24 inches, also two 150 H. P. boilers. The company is now driving entries to connect with the No. 1 mine for an escapeway and will soon have it completed.

The Shoal Creek Coal Co. of Chicago, have put in operation a mine at Panama, situated on the Clover Leaf railroad about three miles southwest of