

## SIXTH INSPECTION DISTRICT, 1906.

## FIRST ANNUAL REPORT.

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

FRANK J. CAMPBELL, *Inspector*, Springfield.

HON. DAVID ROSS,

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

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 herewith the first annual report of the sixth inspection district. The counties of this district in which coal is produced are Brown, Cass, Logan, Menard, Sangamon, Schuyler.

The following summary shows the principle items which are contained in the tabulated schedules:

Number of mines.....	83
Number of new mines.....	6
Number of abandoned mines.....	5
Number of shipping mines.....	49
Number of local mines.....	34
Total tons of coal produced, all grades.....	5,160,607
Total tons of mine run coal.....	1,437,204
Total tons of lump coal.....	2,273,820
Total tons of egg coal.....	136,701
Total tons of nut coal.....	199,783
Total tons of pea or screenings coal.....	918,156
Total tons of slack or waste coal.....	194,943
Total tons on cars for shipment.....	4,493,078
Tons supplied to locomotives.....	129,877
Tons sold to local trade.....	333,162
Tons consumed and wasted at mines.....	204,490
Tons mined by hand.....	4,679,894
Tons mined by machine.....	480,713
Average number of days of operation, shipping mines.....	181
Number of mines using machines.....	3
Number of machines in use.....	27
Number of machines operated by electricity.....	27
Number of miners.....	5,363
Number of other employes underground.....	1,567
Number of boys underground.....	203
Number of employes on surface.....	723
Total number of employes.....	7,856
Aggregate value of total product of mines.....	\$5,069,953
Number of fatal accidents.....	15
Number of wives made widows.....	13
Number of children left fatherless.....	53
Number of non-fatal accidents.....	47
Number of tons mined to each fatal accident.....	344,040
Number of tons mined to each non-fatal accident.....	109,800
Number of persons employed to each fatal accident.....	524
Number of persons employed to each non-fatal accident.....	167
Ratio of persons killed to each 1,000 persons employed.....	1.9
Number of kegs of powder used in blasting.....	215,223
Quantity of dynamite used, pounds.....	1,555
Average value per ton, mine run coal, at the mine, shipping mines.....	\$0.986
Average value per ton, lump coal, at the mine, shipping mines.....	\$1.22

Average value per ton, egg coal, at the mine, shipping mines.....	\$1.05
Average value per ton, nut coal, at the mines, shipping mines.....	\$0.998
Average value per ton, pea or screenings coal, at the mines, shipping mines.....	\$0.513
Average value per ton, slack or waste coal, at the mines, shipping mines.....	\$0.328

The redistricting of the State forming ten coal mine inspection districts instead of seven, which went into effect July 1, 1905, made a complete change in the counties formerly composing the sixth district. The counties now forming the sixth district are Cass, Menard and Schuyler, transferred from the old third district, Logan from the fourth, and Brown and Sangamon from the fifth.

The following table presents the output of these counties for the two years, 1905 and 1906, with the increase and decrease in tonnage:

COUNTIES.	TOTAL PRODUCT OF ALL GRADES OF COAL—IN TONS.		Increase.	Decrease.
	1905.	1906.		
Brown.....	1,606	1,694	88	
Cass.....	2,590	750		1,840
Logan.....	384,288	450,127	65,839	
Menard.....	448,433	536,273	87,840	
Sangamon.....	4,395,050	4,155,431		239,619
Schuyler.....	21,470	16,532		5,138
Totals.....	5,253,437	5,160,607	153,767	246,597

Net total decrease, 92,830.

The output of Logan county shows an increase of 65,839 tons or 17.13 per cent, Menard an increase of 87,840 tons or 19.59 per cent, while Sangamon shows a decrease of 239,619 tons or 5.45 per cent. These are the large coal producing counties in this district.

## NEW MINES.

The Mechanicsburg Coal Co., Mechanicsburg, Sangamon county, has sunk a shaft, the dimensions of which are 7 by 14 feet; the air shaft is not quite completed, it is the same size as the hoisting shaft. This mine is equipped with a pair of Litchfield engines 30 by 36 inches, the drum is 7 feet in diameter. The engine room is 28 by 32 feet, constructed of brick. There are two boilers, manufactured at Erie, Pennsylvania, 6 by 18 feet, each containing 68 3-inch tubes. The boiler room is 32 by 52 feet. The mine is also equipped with Duncan shaker screens and cages. The surface construction is fairly substantial throughout.

The Spring Creek Coal Co. has sunk a shaft two and one-half miles west of Springfield, Sangamon county, on the line of the B. & O. S-W. R. R. The main shaft is 8 by 14 feet, the escapement shaft is 8 by 13 feet equipped with a substantial stairway. The fan is 20 feet, homemade. The hoisting engines are of the Aetna make 20 by 36 inches. The drum is 5 feet 7 inches in diameter, and is equipped with a steam brake. There are two boilers made at the Drake boiler works, Springfield. They are 5 by 14 feet, containing 52 4-inch tubes in each. The mine is also equipped with Duncan shaker screens and cages. The plant is substantially constructed throughout and presents a very fine appearance.

The Littleton Coal Co., Macomb, McDonough county, has sunk a shaft at Littleton, Schuyler county. The dimensions are 6 feet 6 inches by 11 feet. The escapement shaft is 4 by 4 feet with a substantial stairway. The fan is 10 feet in diameter. The hoisting engine is second motion, and was built at Ottumwa, Iowa. There are two tubular boilers 40 inches by 12 feet. The mine is worked at present by the long-wall system. The mine is of small capacity.