

## FIFTH INSPECTION DISTRICT—1914.

COUNTIES—CHRISTIAN, MACON, MOULTRIE, SHELBY, AND VERMILION.  
J. W. STARKS, *Inspector*, GEORGETOWN.

*Hon. Martin Bolt, Chief Clerk, State Mining Board, Springfield.*

SIR: Complying with section 5 of the general mining law of Illinois, I submit herewith the annual report of the coal producing counties of Christian, Macon, Moultrie, Shelby, and Vermilion.

## SUMMARY OF THE ITEMS SHOWN IN THE REPORT.

Number of counties producing coal	5
Number of shipping mines	31
Number of local mines	25
Number of new or re-opened mines	4
Number of closed or abandoned mines	15
Number of miners	3,583
Others underground, men	2,679
Boys underground	111
Boys above ground	5
Others above ground	550
Total number of employees	6,728
Total tons of coal produced	4,937,115
Days of active operation, all mines	179
Kegs of powder used for blasting coal	120,302
Tons of coal shipped	4,128,091
Tons supplied to locomotives	98,893
Tons sold to railroad companies	141,505
Tons sold to local trade	325,681
Tons consumed and wasted at mines	241,945
Number of fatal accidents	27
Number of non-fatal accidents	162
Number of employees to each fatal accident	257
Number of employees to each non-fatal accident	43
Tons of coal produced to each fatal accident	182,856
Tons of coal produced to each non-fatal accident	30,476
Ratio of fatal accidents per 1,000 employees	3.9

The following table gives the total tonnage, by counties, for the years 1913 and 1914, with increase or decrease.

Counties.	Total output—tons.		Increase.	Decrease.
	1913	1914		
Christian	1,481,737	1,412,246		69,491
Macon	279,732	210,778		68,954
Moultrie	105,280	121,352	16,072	
Shelby	202,968	205,348	2,380	
Vermilion	3,510,661	2,833,988		676,673
Total	5,580,378	4,783,712	18,452	815,118
Net				796,666

## NEW MINES.

The Peabody Coal Company has put in operation mine No. 8, at Kincaid, Christian County. This mine is a duplicate of No. 7, and is modern in every respect. The coal is undercut with electric chain machines, hauled to bottom by electric motors, and the mine is equipped with electric hoist. Power is furnished from a central power station and the hoist is driven by a 675 H. P., 550 volt direct current motor connected to drum shaft by a flange coupling. The hoist is of a double conical type constructed of cast steel. An auxiliary motor is used to drive the hoist when the mine is not in active operation. The power used to operate mining machines and haulage motors is supplied by two 300 K.W. 275 volt motor generator sets. Meters are used to record the amount of power consumed by the hoist and by each machine. All surface buildings, excepting tipples, are constructed of brick and well ventilated. The cages are of the Olson self-dumping type and automatic cagers are used.

Kingston Bros., have opened a mine for local trade at Shelbyville, Shelby County.

William Woods, Fairmount, and Victor Redmond, Catlin, Vermilion County, have each opened a mine for local trade.

## ABANDONED MINES.

*Christian County.*—Blue Mound Coal Company, Blue Mound.

*Shelby County.*—William Baum, Nos. 2 and 3, and Vanderpool & Smith, Shelbyville.

*Vermilion County.*—Dering Company No. 3, Steelton; Black Diamond No. 1 and B. D., Danville; Consumers Coal Company, Gray Coal Company, B. E. Spangler, John Aldridge, C. C. Moulton, Danville; Geno Gustic, Catlin; Lorenzo Balducci, Crawford Bros., Fairmount.

## CHANGE OF NAME.

The following mines have changed names since last report:

Illinois Midland Coal Company, No. 7, to Peabody Coal Company, No. 7.  
C. W. Vandever to Greenwood Coal Company.

## MINES IN COURSE OF CONSTRUCTION.

The Bunsen Coal Company is sinking a mine  $2\frac{1}{2}$  miles West of Georgetown, Vermilion County. The hoisting shaft will be 20 feet 2 inches by 11 feet and the escapement shaft, 25 feet by 11 feet. This mine will be a large producer.

Dr. O. R. Scott is sinking a mine for local trade near Scotland, Edgar County.

## IMPROVEMENTS.

The Bunsen Coal Company has installed at No. 3 mine a Jeffrey Centrifugal booster-fan 4 feet by 26 inches, driven by a 35 H. P., 250 volt motor, at a speed of 650 revolutions per minute. At the Vermilion mine a Sullivan long wall machine and two 13-ton General Electric haulage motors have been installed and the tipples at Nos. 2 and 4 mines repaired.

## FATAL ACCIDENTS.

July 1, 1913, George Krusna, loader, aged 33 years, married, was killed in Bunsen Coal Company's Vermilion mine, Georgetown, Vermilion County, by being struck by timber, causing rupture of large blood vessel. He leaves a widow and three children.

July 2, 1913, Lawrence Harrison, laborer, aged 35 years, single, was killed in Peabody Coal Company's mine No. 7, Kincaid, Christian County, by fall of slate.