

FIFTH INSPECTION DISTRICT---1893.

MR. GEORGE A. SCHILLING,

Secretary of the State Bureau of Labor Statistics, Springfield, Ill.:

SIR:—In conformity with section twelve of the mining law of the State, defining the duties of State Inspectors of Mines, I herewith submit the tenth annual report for the Fifth Inspection District of the State, for the year ending July 1, 1893.

The usual tabular statements for each county in the district are given, of which the following is a brief summary:

Number of mines reported.....	153
Number of new mines opened during the year.....	6
Number of mines abandoned.....	17
Number of shipping mines.....	102
Number of mines in local trade.....	51
Average number of miners employed.....	4,385
Highest number employed during the year.....	5,419
Number of boys employed in the mines.....	135
Number of other employes in and about the mines.....	1,361
Total number of employes.....	6,780
Number of kegs of powder used.....	121,187
Number of tons of coal mined by hand, including all grades.....	3,714,906
Number of tons mined by machines.....	1,657,009
Total tons of all grades mined in the district.....	5,371,915
Aggregate value of total product.....	\$3,776,423
Average value of lump coal at the mines.....	\$0 80.25
Average value of other grades of coal.....	\$0 37.67
Average price for hand mining in summer, lump coal.....	\$0 40.2
Average price for hand mining in winter, lump coal.....	\$0 44.7
Number of fatal accidents.....	25
Number of non-fatal accidents.....	74
Number of tons of coal produced for each fatal accident.....	214,877
Number of tons of coal produced for each non-fatal accident.....	72,593
Number of employes for each fatal accident.....	271
Number of employes for each non-fatal accident.....	73
Number of mining machines in use: Harrison, 62; Yock, 14; Choteau, 12; Jeffrey, 5; Ingerso, 6; Sargeant, 5; Stanley Header 2; total.....	106

In the following table is given the quantity of lump coal mined in the counties named, compared with the year 1892:

Counties.	1892.	1893.	Increase.	Decrease.
Clinton.....	156,376	174,994	18,618	.....
Gallatin.....	13,782	14,972	1,190	.....
Jackson.....	674,161	674,943	782	.....
Marion.....	306,019	352,793	46,774	.....
Perry.....	362,926	620,502	257,576	.....
Randolph.....	160,532	161,565	1,033	.....
Saline.....	41,992	24,929	.....	17,063
St. Clair.....	1,519,472	1,778,787	259,315	.....
Washington.....	54,183	63,500	9,317	.....
Williamson.....	210,014	254,726	44,712	.....
Totals.....	3,499,457	4,121,711	622,254	17,063

Showing a net gain of 622,254 tons.

Strikes.—August 19, 1892, the miners at three of the mines at Percy, Randolph county, struck for an increase of five (5) cents per ton; after being out two weeks they returned to work at the price paid when they went out. The miners at Centralia came out on a strike December 14, 1892, for 35 cents per ton, gross weight; they continued out until March 1, 1893, when they all went back to work at 56½ cents per ton, the coal to go over a screen 1½ inch mesh.

Fires.—August 7, 1892, the engine house, boiler house, tower and tipple houses of the T. & H. Mining Company, at Wilderman Station, on the Cairo Short Line Railroad, was destroyed by fire; all are being rebuilt at the present time. January 15, 1893, the store-house and office of the Sun Coal and Coke Company, at Sunfield, Perry county, burned with the contents; loss about \$3,000. March 13, 1893, Davenport & Co.'s engine house, tower and tipple houses, at Harrisburg, Saline county, were destroyed by fire; it was supposed that the fire originated from a passing engine and up to the present time the works have not been rebuilt. This was the largest and most productive mine in the county, and its suspending operations accounts for the decrease in the tonnage of the county for the year, as compared with that of 1892. May 6, 1893, the engine house burned at the Ruby Mine owned by the Consumers' Coal Company, at Caseyville, in St. Clair county. It has since been rebuilt. June 1, 1893, the boiler house and compressor house of the Consolidated Coal Co., St. Louis, at its Gartside No. 4 Mine, Belleville, was destroyed by fire; both have since been rebuilt.

Improvements.—The Carterville Coal Company, Carterville, Williamson county, has erected a new fan, 11 feet 8 inches in diameter, of the Brazil pattern, and has put up a revolving screen. The St. Louis Ore & Steel Co., Murphysboro, Jackson county, is sinking a new shaft; it is intended to make this a model mine. The Consolidated Coal Co., St. Louis, has sunk a new shaft at Trenton, Clinton county, and equipped it in the most modern style. The T. & H. Mining Co., at Wilderman Station, on the Cairo Short Line Railroad, has erected a new fan. Charles Hartman, at Belleville, has retimbered his hoisting shaft and put up a new fan. The Oak Hill Coal Co., Belleville, has sunk a air and escape shaft. The Humboldt Coal Co., Belleville, has retimbered its hoisting and escape shaft. The Louisville & Nashville Coal Co., Belleville, has finished its escape shaft. The Maule Coal Company, Belleville, has put in a system