

Number of non-fatal accidents	35
Number of tons mined to each fatal accident	977,085
Number of tons mined to each non-fatal accident	167,500
Ratio of men killed to each 1,000 employed	0.8
Tons of coal mined by hand	1,534,329
Tons mined by machine	4,328,169
Number of machines in use	319
Number of kegs of powder used in blasting coal	88,390
Number used for other purposes	380
Number of motors in use	23

OUTPUT OF COUNTIES.

The shipping mines of the district have been idle during the months of April, May and June on account of the strike.

A comparative showing is presented of the output of coal in each county for the years 1909 and 1910, with the increase and decrease as follows:

Counties.	Total Product of All Grades of Coal.		Increase.	Decrease.
	1909.	1910.		
Calhoun.....	4,330	4,660	330	.....
Green.....	12,160	5,420	.....	6,740
Jersey.....	400	.....	.....	400
Macoupin.....	4,361,390	4,039,702	.....	321,688
Montgomery.....	1,480,635	1,740,431	259,797	.....
Total.....	5,858,915	5,790,213	260,126	328,828
Net decrease.....	.....	.....	.....	68,702

IMPROVEMENTS.

The Superior Coal Company, Gillespie, Macoupin county, has made very extreme improvements in its number 1, 2 and 3 mines. Installing electric locomotives, to replace air locomotives in mine number 1; increasing the number of electric motors in mines numbers 2 and 3; repairing the passageways to the escapement shafts, also providing at each mine two "Peerless Automatic Head Protectors" for rescue work and for fighting fire.

The Madison Coal Corporation has installed electric haulage in its number 5 mine at Mt. Olive and has made several extreme improvements in the underground arrangement; the entry has been cleaned up leading to the consolidated coal company's mine and is now using it for an escapement shaft. This mine now has three means of egress, a portion of the hoisting shaft has been retimbered.

The Consolidated Coal Company has placed a new overcast and undercast in its number 14 and 15 mines and are reconstructing the head frame of number 14 at Staunton.

The Girard Collieries Company has installed a 150 K. W. dynamo, a 150 H. P. boiler, 62 inches by 16 feet, and a ten ton electric locomotive. The company has made many improvements underground such as closing off old works thereby securing better ventilation. The main entry of this mine has been relaid with forty pound rails, and much of the dust has been removed from this entry. Refuge places have been placed at lawful distances both on the main and cross entries.

The Royal Colliery Company has made marked improvements in the methods of ventilating the working of its mines. Three new ropes have been put on the drum and two new sheave wheels on top of the head frame.