

## ABANDONED MINES

The following mines have been abandoned or not in operation this year: Calhoun Clay Products Co., Golden Eagle, Calhoun County; Illinois Fuel Co., Nilwood, and William Neill, Bunker Hill, Macoupin County.

## CHANGE OF NAME

The Korthkamp Coal Co., Hillsboro; the Burnwell Coal Co., No. 1, Witt, and Montgomery County Coal Co., Hillsboro, are now known as Peabody Coal Company, Nos. 11, 12 and 15, respectively.

## MINE FIRES

On May 21, 1913, fire destroyed the mine tibble and the washer at the Royal Colliery Company's mine, Virden, Macoupin County, entailing a loss of over \$100,000.00, and throwing 600 men out of employment. The company is now busy in re-erecting with steel, and expect to be able to resume work some time in September.

## IMPROVEMENTS

A new air and escape shaft has been completed at Mine No. 2 of Clover Leaf Coal and Mining Co., at Coffeen, Montgomery County.

The Madison Coal Corporation has made the following improvements at No. 5 mine, Mt. Olive:

A rescue station has been built on the surface to take care of the injured and to keep rescue apparatus in; also installed, on the surface, one endless tail rope electric car-puller with 4,000 feet of rope connected and can now move the railroad cars, either empty or loaded, in winter as easily as in summer; a Nicholson automatic stop, with steam reverse, on hoisting engine, to prevent over-winding should anything happen to the engineer while hoisting men, has been installed; rebuilt track scales and used large "I" beams instead of timber for the main bearings; also installed twelve automatic mine doors, made by the American Mine Door Co., of Canton, Ohio; these doors open by the motor or mule trips and are a good door for ventilation and safety. They are so arranged that men in traveling along the entries do not go through these doors but, instead, go through door erected on the side for that purpose. Above this traveling door is a white light on each side, which signifies safety, and above the haulage door is a red light on each side, which signifies danger.

Considerable concreting around the bottom of the shaft for fire protection has been done.

The Peabody Coal Company has made extensive improvements at the mines in Montgomery County.

At the No. 10 mine the entire equipment is being removed and machinery of the most modern type installed. This includes a steel tibble covering four tracks, in which is a Shaker screen built to load all sizes of coal. The screen is driven by a hundred H.P., 250 V. D. C. motor of two speeds. The sheave wheels are 10 feet in diameter with a 9-inch shaft. The cages are the latest improved Olson and will carry two 4-ton cars side by side. The cable used for hoisting will be  $1\frac{3}{4}$  inches. The building containing the hoist, generator etc., is 87 feet by 57 feet divided into three rooms, and is built entirely of concrete, brick and steel. The front room facing the shaft contains the hoist and twin conical drums running from 9 to 11 feet. These drums are keyed to a shaft 15 inches in diameter. On one end of the shaft is connected a 550 V. D. C. motor, 1,350 H.P. On the other end of the shaft is connected by gears an auxiliary motor which is 150 H.P., 440 V. induction. The drums are connected with over-wind drive. In the center room there are installed a 1,000 K.W. fly-wheel motor generator set of 550 V., which will furnish power for hoist motor, and two 400 K.W., 275 V. D. C. generators to furnish power for the mining machines and locomotives. The rear room will be a sub-station equipped with two banks transformers and other apparatus necessary for reducing the current from 33,000 to 2,300 volts. One