

Dennis Mulligan's mine is another sample of hap-hazard work, there being no system of entries or regular circulation of air. The works resemble a labyrinth, and at no point could a measurement of the air be taken except at the furnace. I left instructions to have a map of the mine made, and escapement constructed.

The worst of the lot of poorly-worked mines was that of F. Moon. There were no regular roadways, and no circulation of air. The timbering was very much rotted or fallen away, and had not been restored, and the only place of escape had been allowed to close in through neglect. It was certainly one of the most dangerous and shamefully neglected mines in the district. I directed the roadways to be retimbered, a correct map of the workings to be made, the ventilation to be brought up to the legal standard, and an escapement to be constructed before resuming operations.

All the small mines on Lamarsh creek are in poor condition, and with only one place of egress. I notified them all personally or by letter to make the necessary improvements, in compliance with the law.

#### LOGAN COUNTY.

The Lincoln Coal Mining Co., Lincoln, has been in operation over 15 years, and, until this spring, has had no escapement shaft. It is now, however, completed, and communication established with the hoisting shaft. The air in this mine was found very deficient, the supply being hardly sufficient for the mules alone. This state of things was, however, gradually improved under my directions, and on my last visit a fan was ordered, which is doubtless before this in operation, of sufficient capacity to ventilate the works properly.

The Citizens' Coal Mining Co., Lincoln, has a first class equipment, and a new mine, laid out now with double entries, and abundantly ventilated.

The Mt. Pulaski Coal Co. has been in operation only about a year. The seam is irregular, and difficult to work, owing to clay seams and "horsebacks." On this account the shaft was sunk to a lower seam, but it was not considered desirable to work it, and mining is continued in the upper seam. They have a fan, and the outfit and general condition is good.

#### McLEAN COUNTY.

##### THE McLEAN COUNTY COAL COMPANY—BLOOMINGTON.

The extensive mines of this company have been in operation seventeen years. Two seams are being worked, both on the long-wall principle, the upper one being 400 feet, and the lower one 5±1 feet below the surface. An inclined plane connects the two, and the coal from the upper seam is run down to the lower, and all coal is hoisted from the bottom of the shaft. The pit cars are hauled in and out by tail-rope, operated by a 60 horse-power engine, and 25 one-ton cars can be hauled at each trip. The system works