

volving screen. New boilers have been put in at No. 2 Sangamon Coal Co. shaft, also a new Guibal fan, with expanding chimney, which has made great improvement in the ventilation, and new boilers, new engine and boiler house have been put in at the Winchester shaft.

*New Mines.*—The new shaft of the Assumption Coal Co. has been put into operation during the year. This is the deepest shaft in the State being one thousand feet to the bottom of the sump. The coal is of a very good quality; it corresponds to No. 2 of the general section of the State; the outside plant is first-class in every particular; the hoisting engines are 24"x36" geared direct (Litchfield manufacture), with a 10-foot drum; two plain cylinder boilers; brick engine and boiler house, and a 12-foot fan (Brazil manufacture) has been erected for ventilation.

The Springside Coal Co.'s colliery has been opened during the year. The shaft is 705 feet deep; coal seam 7½ feet thick; the plant is first-class and intended for a large output. The hoisting engines are 18"x36" geared direct, built by Crawford & McCrimmon, Brazil, Ind. The engine-house, boiler-house and smoke stack are built of brick, Murry's automatic dump cage is used for hoisting, and a Brazil fan is used for ventilation.

The Shipman Coal Co.'s shaft has been opened during the year. The shaft is 330 feet deep, coal seam 2'9" thick, being seam No. 1 of the general section, and the coal is of a very good quality. A pair of Litchfield engines has been put in for hoisting.

Several small mines have been put in operation in Greene, Jersey, Scott, Pike, Morgan, Effingham, Richland and Jasper counties, but a great number of them are small strip banks.

*Abandoned Mines.*—Raynor & Locks' shaft at Bunker Hill, Taylor & Ball's shaft at North Alton, John Kelly & Sons' shaft at Edwardsville, and the Morgan County Coal Co.'s shaft at Franklin, have been abandoned during the year.

*Prospective Mines.*—The Cantrall Coal Co. has sunk a shaft at Cantrall Sangamon county. The shaft is about 200 feet deep, coal seam 5'6" equivalent to seam No. 5 of the general section.

The Madison Coal Co. has sunk a shaft at Peters' Station, on the Toledo, St. Louis & Kansas City R. R. The shaft is said to be 90 feet deep, coal seam 7 feet thick, equivalent to seam No. 6 of the general section. This is a new coal company and, from report, will operate very extensively in the future in Madison county.

Nothing has been done as yet in opening out mines at Nokomis, Ramsey and Moweaqua, although large seams of coal have been found at all those points by boring with the diamond drill.

*Mining Machines.*—There are now fourteen collieries in the district operated by coal-cutting machines, viz.: Abbey No. 3 and Heintz Bluff at Collinsville; Troy colliery at Troy; No. 6 and No. 7 collieries at Staunton; No. 8 colliery at Mount Olive; Gillespie colliery at Gillespie; St. Bernard colliery at Clyde; Mount Olive Coal Co.'s colliery at Mount Olive; Wolf Bros. colliery at Edwardsville; Pana Coal Co.'s No. 1 colliery at Pana; Wilmington & Springfield colliery at Ridgely; Illinois Fuel Co.