

rooms with 20 pound steel, opened up on the panel system, coal to be handled with gathering motors, shaft 550 feet deep coal 6 foot 6 inches to 7 foot. This mine will use the No. 2 mine for an escapement shaft.

The Carroll and Franklin Counties Coal Company has sunk and equipped a modern mine at Hanaford, Franklin county. This company began sinking May 28, 1908, and reached coal December 24, 1908. The main shaft is 697 feet to the bottom of the sump; sump 16 feet; the shaft is timbered $9\frac{1}{2}$ by $15\frac{1}{2}$ feet in the clear. Air shaft $9\frac{1}{2}$ by $13\frac{1}{2}$ feet in the clear. Depth of air shaft 675 feet. Both shafts are timbered with 4 by 12 inch hard pine, the main shaft having three rows of 6 by 8 inch buntons set three feet apart while the air shaft has one row of buntons set to give a clearance on the air side of 9 by $9\frac{1}{4}$ feet. The company is now engaged in installing a 16 foot Miller fan similar to those used by the Superior Coal Company at Gillespie, Ill., and when completed will have one of the best ventilated mines in the district. The tippie structure is of steel throughout and consists of a heavy tower strengthened in all directions and supporting the sheaves and house; the latter being also carried by two very heavy vertical columns, arranged so as to go between the tracks and to clear the shaker structure. The shaker structure is also of novel form, and is entirely independent of the main tower, to which it is set at a sharp angle; the hoisting equipment consists of a standard Litchfield pair of direct acting engines 24 by 44 inches connected to an 8 foot drum; the hoisting ropes of $1\frac{1}{8}$ inches in diameter and the mine cars are built to hold three tons of coal. They have two 72 inch by 18 foot boilers, engine house, boiler house, blacksmith shop, supply house and office which comprise the top improvements.

The Southern Illinois Coal Company has sunk a new shaft in Franklin county, 6 miles west from West Frankfort and will be on the C., B. & Q. R. R. They began sinking this mine in July, 1908, and found coal about December 1, 1908. The depth of shaft to top of coal is 347 feet, size of shaft $9\frac{1}{2}$ by 16 feet inside measurement, and is timbered with 6 inch by 12 inch to rock and from there down 4 inch by 12 inch oak; they have two 150 H. P., 72 inch by 18 foot Atlas boilers, and Litchfield 24 inch by 42 inch engine, $1\frac{3}{4}$ inch ropes.

The W. T. Ritchey Coal Company of Pinckneyville, Perry county, the main shaft is 7 feet 6 inches by 16 feet, and is 160 feet deep. Two boilers Wangler make 48 inch by 22 feet and 60 H. P. each. Blakeslee hoisting engine 14 inch by 24 inch, 40 H. P. Ropes $1\frac{1}{8}$ inch. Blakeslee cages.

CHANGES IN LOCAL MINES.

The usual changes in local mines took place this year. About the same number is in operation and about the same amount of coal was mined.

ABANDONED MINES.

The Anchor Coal Company that operated the old Perry county mine have abandoned this mine the past year.

The Orin Coal Company of DuQuoin, Perry county has abandoned its No. 1 mine, known as Jupiter No. 1, and taken the washer and placed it at its No. 5 mine.

MINES CLOSED DOWN TEMPORARILY.

The Orin Coal Company has had its No. 5 mine closed down the past year and operated its No. 1 mine.

The O'Gara Coal Company of Saline county has had its No. 5, 6 and 12 mines closed down the past year owing to the increased tonnage at the other mines. All of those mines are kept up and can be operated on short notice.

The White Ash Coal Company of DuQuoin, Perry county has not hoisted any coal; the mine has been sunk over one year and is standing idle.