

THE WHITE OAKS MINE.

Messrs. Tijou, Donk & Co. operate two double-entry mines at this place, both in excellent condition. The furnace here was superseded by a fan, increasing the volume of air from 6,890 to 11,760 cubic feet per minute.

JOSEPH KRAUS & BRO., BELLEVILLE.

This mine has a slope opening, the coal being hauled out with mules, though it is contemplated to introduce an engine for that purpose. Fifteen miners are employed, and the workings are ventilated by use of pump with upright boiler. The air shaft is being fitted up for an escape shaft.

CONCORDIA MINING Co.

This a new enterprise the shaft having just been completed. Sixteen miners were at work driving entries, the coal being dumped on railway cars. The proprietors promised to sink escapement shaft, and make the outfit all the law requires.

PERRY COUNTY.

THE PARADISE MINES, HALLIDAY BROS., ST. JOHNS.

This is the most extensive single opening in this district. It is a slope with brick archway 820 feet length, the incline being 1 in 20. The hauling cable is now one mile in length. The depth of the coal as surveyed by Mr. Bulmer, the underground manager, with a view to sinking shaft, is 420 feet below the surface. These are double-entry workings, but the nature of the underlying clay renders it necessary to leave very heavy pillars. They nevertheless save 30 per cent. of the coal, which is a large percentage under the circumstances. Ventilation is secured by a large furnace well attended night and day. The overcasts are arched with brick. The air is well taken care of, carried well up to the faces, and measured in the return air way 15,891 feet. At the time of my first inspection there were 150 miners, 8 boys, 35 laborers and 35 mules and drivers, at work in the mine. The coal is taken from the mouth of the slope by the company's locomotive which hauls the pit cars about a mile and a half west to St. Johns, where there are extensive salt works. The product of 5 wells is here evaporated producing 270 barrels of salt daily. The slack screened from the coal at the mines is taken up, washed and manufactured into coke.

M. C. Wright, Superintendent, J. Bulmer, Underground Manager.

THE ENTERPRISE COAL AND COKE Co.

The mines of this company are situated about a mile south of DuQuoin, and are the southernmost mines in Perry county, and are connected by switch with the Illinois Central railroad. The works are laid out on the double-entry system, and ventilated by the largest furnace in the district, its dimensions being 35x6 feet, and

the height 6½ feet in front and 7½ feet at the back. I found 15,180 cubic feet of air in the passages on my first visit, which was materially increased on my next. This mine is in excellent condition, and was employing 70 men and 8 mules underground.

J. Cunliff, Sup't; Matt. Davidson, Underground Manager.

THE STAR COAL MINING Co.

This company is located on the Illinois Central Railroad, and, like the other mines in this county, is operated and worked systematically on the double-entry principle. The company owns or leases 160 acres of land, one-half of which is worked out. The remainder will be abandoned next summer owing to a bad roof inside and a bad market outside. They are taking pillars at present.

Henry Horn, Sup't; Mr. Jeremiah, Underground Manager.

THE PERRY COUNTY COAL Co.

This company has just completed a new shaft, and an escapement shaft bricked from top to bottom. They have their machinery in operation and are driving entries at the bottom. Mr. Goddard, Sup't, kindly furnishes the following memoranda of strata encountered in sinking shaft:

	Ft. In.
Soil, sub-soil and clay	14 ..
Boulders and limestone	5 6
Clayey shale	9 ..
Coal	4
Fire clay	5 ..
Hard gray limestone	5 6
Soapstone	7 ..
Coarse gray limestone	7 ..
Blue limestone	6 ..
Black shaly slate	4 ..
Dark sandstone rock	3 ..
Coal	5 1
Total depth.....	71 10

THE SUN COAL AND COKE Co. No. 2.

This mine is located still further north than the foregoing, and the depth of the coal is 80 feet.

This is a double-entry mine, ventilated with furnace, which supplies 5,700 feet of air to about 70 men and four mules. The company will abandon this mine in July next, upon the expiration of their lease, and open up their new mine in the same vicinity, known as No. 3. This mine, however, may still be operated by other parties. It is a dry mine, and in good condition.