

each set of entries, carrying the return air over the intake air. The manager has introduced water gauges on the two main splits at the bottom of the downcast to give the drag of the air in the mine. Everything above and below shows good management.

J. D. Crabb, Superintendent.

J. P. Hebenstreit, Mine Manager.

#### No. 7 COLLIERY AT STAUNTON.

This shaft has not done much during the year owing to a crush in the mine. The crush closed both the hoisting and escapement shafts. The west side has been opened up and work begun by hand mining, the shaft being originally a machine mine.

J. D. Crabb, Superintendent.

John Reese, Mine Manager.

#### No. 8 COLLIERY AT MT. OLIVE.

A number of improvements have been made at this colliery during the year. A pair of double engines 18x32 have been put in to hoist the coal, a brick smoke stack built, a brick engine room 26x28 and brick boiler house 38x45 have been built, and two new boilers have been put in. The underground works are laid out with a view to a large output of coal as soon as connections can be made with No. 9 shaft for escapement. There are yet 750 feet to drive, which would have been finished but for the three months' strike. Overcasts will be put in and the air split for each set of entries. The mine is at present ventilated by a steam jet.

F. R. Fisher, Superintendent.

Jas. Morris, Mine Manager.

#### Nos. 9 AND 10 AT MT. OLIVE.

These mines worked very steadily up to March 1, 1885, when the yearly contract of the miners expired. The mines were stopped until the 8th of June, 1885. The underground works have all been remodeled from single to double entry and the hauling tracks have been reconstructed. A considerable length of double track has been extended in main and lateral entries. The underground works are in very good shape for a rapid movement of coal. The furnace is still used for the ventilation of the mines, but it is the intention of the company, when Nos. 8 and 9 are connected with each other underground, to put in a large fan to ventilate all three of the shafts, Nos. 8, 9 and 10. The fan is to be located at No. 9, or the middle shaft as they now stand.

F. R. Fisher, Superintendent.

Wm. D. Golden, Mine Manager.

#### ANCHOR COAL CO., MT. OLIVE.

This shaft has only worked about half the time during the year. The escapement shaft has been finished and ladders put in from bottom to top. There is an extensive plant here for mining coal by machinery. The coal cutting machines have not been used during the year; all mining has been done by hand. The colliery is now stopped for want of orders for coal; the shaft stopped with the strike in the Staunton district, and will not start up until fall.

Wm. Giles, Superintendent.

#### GIRARD COAL AND MINING CO.

This shaft has been worked very successfully during the year. It has been supplying the C. & A. road with all the coal they use south of Lincoln. Ladders have been put in the escapement shaft during the year; all new entries opened up double. The ventilation has been increased by splitting the air currents, and a twelve-foot fan is used for ventilation, giving 30,000 cubic feet of air in three splits.

H. Wood, General Manager.

A. K. Young, Superintendent.

Jas. McGrainor, Mine Manager.

#### NILWOOD MINE.

This shaft is operated by Dennis Noonan, on a lease from the owners. The works have been opened up on the double entry system during the year. There are on an average 50 miners working at the shaft. Most of the coal mined here is shipped to Alton. This mine has been troubled some during the year with gob fires, but they are now successfully put out.

Louis Kortkamp, Manager.

#### CARLINVILLE COAL CO.

Collieries Nos. 1 and 2 of this company have been stopped since November, 1883, owing to the fact that they have no escapement shafts. An escapement will be sunk this fall to connect with No. 1, when mining will again be commenced.

Wm. Farrell, Manager.

#### ST. BARNARD COAL AND MINING CO.

This is the Yock mine at Clyde, Hornsby P. O., and will be now known as the St. Barnard Coal and Mining Co. It is a machine mine, operating on an average six Yock coal cutting machines. A Duplex Yock compressor is used to supply air to the coal cutting machines. This shaft has a very bad roof, but is worked very successfully with the machines.

Benjamin Yock, Manager.