

NEW BREAKER IN DUNMORE.

This breaker is located on No. 6 plane, on the loaded track of the Pennsylvania coal company's railroad. It is a new double breaker, built with all the modern improvements; they have done but very little work at this breaker in 1872, as they only prepared and shipped 7,774 tons of coal; they employ 15 men and boys around this breaker; they use 1 engine here of 25-horse power to run the breaker machinery.

ELK HILL COLLIERY.

This colliery is located in Blakeley township, and situated about one-fourth of a mile north-west of the Lackawanna river. It is operated by Elk Hill coal company—L. E. Judd is general mine superintendent, Benjamin Reese is mining-boss and John G. Wyland is outside foreman.

Description.—There is a breaker connected with this mine, located about 1,000 feet north-east of the mouth of drift; they mine about 300 tons of coal per day; they employ 51 miners, 40 laborers, 16 drivers, 8 door-boys and 4 company men in the mine; 32 slate pickers, 6 head and plate men, 2 drivers, 4 company men, 4 mechanics and 2 bosses outside; in all 169 men and boys; they are working No. 2 vein; average thickness $7\frac{1}{2}$ feet; they work headings 11, air-ways 16, and chambers about 30 feet wide; they leave pillars about 10 feet wide to sustain the roof; they leave cross-entrances about 50 feet apart, for the purpose of ventilation; the roof is good rock. The mine is in a good safe working condition.

Ventilation is produced by means of a furnace; the in-take is located at mouth of drift, area 48 feet; the up-cast is located in furnace air-shaft, area 55 feet; the amount of pure air is 20,000 cubic feet per minute; the main doors are so hung, that they will close of their own accord; they have attendants at main doors; they have double doors on main traveled roads, and an extra one in case of an accident to any of the others; the amount of ventilation has been measured and reported; ventilation is generally good.

Machinery.—They use one breaker engine of 40-horse power; the boilers have been cleaned and examined, and reported in good condition; there is no machinery required at the drift.

Remarks.—They have furnished a map of mines; they have a second opening; they have a house for men to wash and change in, if they are disposed to use it; the mining boss seems to be a practical and competent man; he has no fire-boss to assist him; there are no boys working in the mines under 12 years of age; the engineer seems to be a practical, competent and sober man; the parties having charge know their duty in case of death or serious accident; the breaker machinery is boxed and fenced off, so that operatives are safe. This mine was opened and worked on the old style, by driving a heading only, and opening chambers off it, making the air-way of the first cross-entrance that was cut from one chamber to another, after they were opened out, which was a very bad way to ventilate a mine. In the new workings they are driving air-ways along the headings, so as to carry air with them, and in course of time their mine will be in a good condition.

No. 2 OR DIP MINE.

This mine is located in Olyphant, Blakeley township, and is situated on Eddy creek, 500 feet south-east of the Lackawanna river; it is operated by the Delaware and Hudson canal company. A. B. Nicol is assistant mine superintendent, R. K. Laidler is mining boss and R. E. Alexander is outside foreman.

Description.—The opening to the coal consists of a tunnel; there is a breaker connected with this mine, located 350 feet from mouth of tunnel; they mine and prepare 400 tons of coal per day; they employ 56 miners, 56 laborers, 25 drivers, 6 door-boys and 9 company men in the mines; 24 slate pickers, 4 head and plate men, 1 driver, 11 company men, 3 mechanics and 2 bosses outside; in all 197 men and boys; they are working No. 1 vein of coal, average thickness $7\frac{1}{2}$ feet; they