

lars from 10 to 15 feet wide to sustain the roof, and cross-entrances 60 feet apart for the purpose of ventilation; the roof is good rock; the mines are in a good working condition.

Ventilation is produced by furnaces; the intake is located at the mouth of the tunnels; area 75 feet; the outcasts are located in furnace air shafts; area 60 feet; the main doors are hung so as to close of their own accord; they have attendants at main doors; the amount of ventilation has been measured and reported; ventilation is good.

Machinery.—They use one breaker engine of 35-horse power and two hoisting engines on the planes outside of 45-horse power each; the boilers have been cleaned and examined and reported in good condition; they have a steam-gauge to indicate the pressure of steam; the breaker machinery is boxed and fenced off so that operatives are safe; they require no machinery around the tunnels.

Remarks.—They have furnished a map of the mines; the furnace air shaft can be used as a second opening; they have a house for men to wash and change in; the mining boss seems to be a practical and competent man; there are no boys working in the mines under twelve years of age; the engineers seem to be experienced, competent and sober men; the parties having charge know their duty in case of death or serious accident.

OAK HILL COLLIERY.

This colliery is located in Lackawanna township, and situated on the east bank of the Lackawanna river, on the Lehigh and Susquehanna division of the Central railroad of New Jersey; it is operated by the Glenwood coal company. Geo. Filer is general mine superintendent, Timothy Parfery is mining boss and David Stearns is outside foreman.

Description.—The opening to the coal consists of three tunnels, namely, Nos. 1, 2 and 3; there is a breaker connected with these mines; they mine and prepare 200 tons of coal per day; they employ 30 miners, 25 laborers, 6 drivers, 4 door-boys and 4 company men in the mines; 25 slate pickers, 4 head and plate men, 4 drivers, 3 company men, 4 mechanics and 2 bosses outside; in all 111 men and boys; they are working the old vein; average thickness six feet; they work headings and air-ways 15 and chambers 25 feet wide; they leave pillars from 10 to 12 feet wide to sustain the roof, and cross-entrances sixty feet apart for the purpose of ventilation; the roof is good rock; the mines are in a good working condition.

Ventilation is produced by means of furnaces; the intake is located at mouth of tunnels, area from 50 to 60 feet; the outcast is located in furnace air shaft, area 75 feet; the amount of pure air is 13,200 cubic feet per minute; the main doors are hung so as to close of their own accord; they have attendants at the main doors; the air is circulated to the face of the workings in one volume in each tunnel; the amount of ventilation has been measured and reported. ventilation is good.

Machinery.—They use one steam engine at the breaker of 25-horse power; the boilers have been cleaned and examined and reported in good condition; they have a steam-gauge to indicate the pressure of steam; the breaker machinery is boxed and fenced off so that operatives are safe; they require no machinery around the tunnels.

Remarks.—They have furnished a map of the mines; they have a second opening; they have a house for men to wash and change in; there is some standing water in the mine; the mining boss seems to be a practical and competent man; there are no boys working in the mine under twelve years of age; the engineer seems to be an experienced, competent and sober man; the parties having charge know their duty in case of death or serious accident.

CARBON HILL COLLIERY.

This colliery is located in Old Forge township, and situated on the west bank of the Lackawanna river, on the Lackawanna and Bloomsburg railroad; it was operated by the Glenwood coal company, now in bankruptcy. George Filer is

Sloan Colliery.—Outside:—Installed an auxiliary line between Hampton and Sloan mines.

Archbald Colliery.—Completed a bore hole from surface to New County vein, and changing cable.

Installed one Goodman coal-cutting machine in the Diamond vein; also four 7-ton locomotives with reel devices, etc.

Outside:—Installed one rotary converter, transformer, switchboard; changing equipment in sub-station.

Continental Colliery.—Installed one 7-ton electric locomotive, with reel, etc., in Dunmore No. 3 vein, also one Goodman coal-cutting machine.

Outside:—Built a new washhouse.

National Colliery.—Installed one motor in Dunmore No. 1 vein and an endless rope at foot of shaft in No. 2 Dunmore vein.

Outside:—Built stairway, railings, etc., around boilers.

SCRANTON ANTHRACITE COAL COMPANY

Oak Hill Colliery.—Completed a new slope to the No. 2 Dunmore vein. Built an addition to the breaker.

SPRUKS COAL COMPANY

East Mountain Colliery.—Inside:—Installed an electric hoist.

Outside:—Installed one 12 HP. gasoline engine and built an engine house for same. Built a new office and scale house, mule barn, hospital with equipment, and track and trestle from breaker to Erie tracks, and a set of coal pockets for storing coal for delivery.

Sunk an air shaft.