

CARBONDALE COAL COMPANY

Bolands Colliery.—Ventilation, drainage and condition as to safety fair.

BARTON COAL COMPANY

Barton Colliery.—Ventilation, drainage and condition as to safety fair.

CLINTON FALLS COAL COMPANY

Clinton Falls Colliery.—Ventilation good, drainage fair, condition as to safety fair.

FINN COAL COMPANY

Finn Colliery.—Ventilation, drainage and condition as to safety fair.

ARCHBALD COAL COMPANY

Tappans Colliery.—Ventilation and general condition good.

 IMPROVEMENTS

DELAWARE AND HUDSON COMPANY

Clinton Colliery.—Plane in Clifford vein extended 2,300 feet cutting off 1,800 feet of rope haulage. Steam plane in Clifford vein driven 2,400 feet, dispensing with mule haulage, operated with a Flory engine, 12½ by 16 inch cylinders. A new Guibal fan, 20 feet in diameter, driven by a Dickson engine 16 by 36 inch cylinder, has been installed to ventilate No. 8 slope, Clifford vein, in place of Riverside slope fan. In the Bottom vein a water course is being driven a distance of 3,800 feet to drain the Clinton mine through Coal Brook. 3,300 feet of this water course has been completed. When finished the pumping plant now in use in Clinton will be abandoned. An eight inch bore hole driven from the surface to the Clifford vein a distance of 259 feet for conveyance of steam for plane and pumps. One 12 inch bore hole from surface to Clifford vein a distance of 195 feet for pumping water.

Coal Brook Colliery.—One 6 ton electric motor with drum attached, for hoisting and lowering cars in chambers, has been installed. One 12-foot Guibal fan, driven by electric power, to ventilate the New County vein has been installed. A large sump has been made at the foot of Stanton shaft for electric and steam pumping plant. A new outside culm plane of wooden structure has been erected 1,800 feet in length. One 8-inch and one 6-inch bore hole driven from surface to bottom vein for conveyance of air to operate slope. Depth of bore hole 230 feet.

No. 1 Carbondale Colliery.—No. 5 Tunnel driven from surface to Archbald vein, distance 400 feet. No. 4 Tunnel driven from surface to Archbald vein, distance 250 feet. Tail rope haulage road driven and graded from No. 1 Tunnel to No. 4, a distance of 3,050 feet. A new engine house built, and a 14 by 20 inch cylinder engine of the Flory type installed to operate the haulage.

ARCHBALD COAL COMPANY

Tappans Colliery.—A new breaker was built and equipped with all the latest improved machinery for preparing coal. A new boiler house, supply house, blacksmith shop, and barn were erected. This is a new colliery that commenced operations the latter part of November.

under the Lackawanna River to avoid dangers from flooding; a 30 inch pump hole, 130 feet deep drilled; a centrifugal slush pump, 36 inches in diameter, driven by single engine, 8 x 10 inches, installed.

Jermyn Colliery.—Brick boiler house addition, 54 x 70 feet, containing 4 Wickes boilers, 300 H. P. each, in course of construction; two 24 inch bore holes, 235 feet deep, drilled for pumping water to surface; two Scranton Compound Duplex pumps, 19 x 36 x 21 x 36 inches, capacity 5,000 gallons a minute, installed; new plane from Archbald vein to Grassy vein driven 350 feet; one six and one-half-ton motor with reels installed; an 8 inch bore hole, 120 feet deep, drilled for slushing purposes.

White Oak Colliery.—Two 10 inch bore holes drilled for exhaust steam and discharge from slope pump; one 19 inch bore hole drilled for pumping water to surface; one Scranton Plunger pump, 20 x 10 x 36 inches, capacity 800 gallons a minute, installed; one Allison Plunger pump, 20 x 10 x 24 inches, capacity 600 gallons a minute, installed.

HILLSIDE COAL AND IRON COMPANY

Forest City Colliery.—The old Forest City breaker washery was torn down and a new one, 68 feet wide, 100 feet 6 inches long and 130 feet 7 inches high, erected. The lower portion of this washery up to the machinery line, including the pockets, is of reinforced concrete. All mud coal, including chestnut, and all small sizes from buckwheat down, are prepared there, and ten double-compartment jigs are used in separating the impurities from the coal. Two additional boilers, 125 H. P., locomotive type, have been added to the Forest City breaker boiler room, and the water tunnel connecting the Clark vein workings at No. 2 shaft was completed by the Delaware and Hudson Company and connection made, which will drain the entire workings above that level. Clifford breaker was abandoned the latter part of the year and all the coal, including that from Clifford shaft, is now being prepared through the Forest City breaker and washery. A new Compound Duplex Plunger pump, 18 x 28 x 10 x 36 inches, has been installed in the dip workings in Clifford shaft to deliver water to the surface or to the new washery, as needed.

ARCHBALD COAL COMPANY

Tappans Colliery.—The coal from this colliery heretofore was delivered into the Delaware and Hudson railroad cars on a siding at Archbald, after being hauled in wagons a distance of one and a quarter miles. To eliminate this expense a new track has been laid, 6,600 feet in length, with 40 pound 'T' iron rails, from the breaker to the top of an incline plane. A new incline has been built, 1,750 feet in length, with 40 pound iron; new coal pockets have been built at bottom of new plane where coal is dumped from special cars, built for the use of the colliery, and taken to and from the breaker by a new twenty-ton locomotive. A branch of the Delaware and Hudson Railroad is built from the main line nearly midway between Archbald and Winton to the new coal pockets. This is a decided improvement and reduces the cost of transportation from the colliery to the railroad, and will also be the means of increasing the output of the colliery. The old Pierce Coal Company's shaft has been reopened

down to the Clark vein; the old timbers have been removed and concrete put in. A new tower is in course of construction over the shaft, and an new pair of hoisting engines, when finished, will continue the shaft from the Clark to the Dunmore vein. New elevators and conveyors have been put in the breaker; a slope has been sunk on the New County vein, a distance of 800 feet; 1,200 feet of 5-inch pipe line for steam purposes and 800 feet of 6-inch pipe line for water purposes have been laid.

ARCHBALD COAL COMPANY

Tappans Colliery.—A rock slope has been sunk from the surface to the bottom split of the Dunmore vein, a distance of 350 feet; pitch of slope, 12 degrees. A steam hoist was installed for empties from breaker to slope; engine cylinders 12x16 inches. A second opening shaft, 10x10 feet, located 150 feet west of the above slope was sunk from the surface to the bottom split of the Dunmore vein, a distance of 40 feet. On this shaft was erected a Guibal fan 16 feet in diameter, driven direct by a 12x16 inch cylinder horizontal engine.

The old shaft to the Archbald vein was re-opened and continued down to the bottom split of the Dunmore vein; depth of shaft from surface, 125 feet; dimensions 12x18 feet in the clear. The head frame was completed and a steam hoist installed; engine cylinders 14x20 inches. A new boiler house, 34x34 feet, was erected, and two new high pressure boilers installed, equal to 300 horse power. An empty car hoist was built near the foot of the breaker plane, length 72 feet, gradient 18 degrees, to convey by gravity the empty cars from top of hoist to head of Dunmore slope. Erected an engine house, 22x22 feet, erected at the shaft, and a slope engine house, 18x20 feet.

PROSECUTIONS FOR VIOLATIONS OF THE MINING LAWS

Case of
The Commonwealth
Versus
James B. Murrin, et al.

Upon hearing of the intention of James B. Murrin and others associated with him, who were operating a coal mine and breaker in Fell Township, Lackawanna County, to erect a new boiler within 25 feet of the breaker, I notified the parties not to erect a boiler within 100 feet of the breaker. I was advised, however, that the parties, having consulted counsel in the matter, had decided to erect a boiler regardless of my objections.

The correspondence in the case is given herewith, together with the action of the court.

To the Honorable, the Judges of the Said Court:

Your Orator complains and says:

1. Your Orator is Inspector of Mines for the First Anthracite Inspection District of State of Pennsylvania. The defendants are residents of County of Lackawanna, said State.

2. The defendant, James B. Murrin, Mary Murrin, Joseph S. Murrin, Frank D. Murrin, Katherine L. Murrin, John Murrin and Annie Murrin, own and operate a certain anthracite coal mine and breaker, situate in Fell Township, County of Lackawanna, State of Pennsylvania, and within the First Anthracite Inspection District.

3. For a long period of time, to wit, twenty-five years, said colliery has been operated by the defendants and their predecessor in title,

300 feet long, delivering coal from surface to breaker is under construction. A 10-foot Buffalo steel fan is under construction in No. 8 plane.

White Oak Colliery.—Grassy slope finished from surface to coal and concreted on four sides. Installed 26 by 48 engines for Gravity No. 3 slope. A 20 foot Guibal fan was erected and equipped with a double 14 by 24 engine, and a brick house, 33 feet by 32 feet, was built for same. A new breaker of 1,500 tons capacity is almost completed. A brick wash-house, 18 by 48 feet, was built. Completed new boiler plant, comprising four 300 H. P. Sterling boilers and brick building. A supply house, 20 by 40 feet, was completed.

ARCHBALD COAL COMPANY

Tappans Colliery.—Two wings were added to the breaker to give additional pocket room, and an addition was made to the boiler house and a shaker placed therein to distribute the fuel.

The loading pockets were housed in and a 100 horse power return tubular boiler was installed to furnish steam heat.

A new Vulcan hoisting engine, 10 by 14 inch cylinders with loose drum 4 feet in diameter, and 8,000 feet of rope haulage, were installed at the New County slope. A new 16 by 12 by 12 Scranton duplex piston pump, 8 inch discharge, 10 inch suction, was installed in the Dunmore shaft.

CONDITION OF COLLIERIES

DELAWARE AND HUDSON COMPANY

Olyphant, Coal Brook, Powderly, Jermyn and Gravity Slope.—Ventilation, roads, drainage and condition as to safety, good.

TEMPLE COAL COMPANY

Sterrick Creek.—Ventilation, roads, drainage and condition as to safety, good.

SCRANTON COAL COMPANY

Raymond.—Ventilation, roads, drainage and condition as to safety, good.

Riverside.—Ventilation, roads, drainage and condition as to safety, fair.

HILLSIDE COAL AND IRON COMPANY

Erie.—Ventilation, roads, drainage and condition as to safety, fair.

ARCHBALD COAL COMPANY

Tappans.—Ventilation, roads, drainage and condition as to safety, fair.

HUMBERT COAL COMPANY

Sunnyside.—Ventilation, roads, drainage and condition as to safety, fair.

WEST MOUNTAIN COAL COMPANY

West Mountain.—Ventilation, roads, drainage and condition as to safety, good.

FALLBROOK COAL COMPANY

Murrins.—Ventilation, roads, drainage and condition as to safety, fair.

IMPROVEMENTS

DELAWARE AND HUDSON COMPANY

Olyphant Colliery.—Completed wash house, 110 feet long 20 feet wide, equipped with 24 shower baths and 224 lockers.

Installed new boiler plant on East side, comprising one battery of Sterling boilers to produce 540 H. P. for use in handling coal on the planes of the several veins in this vicinity.

Started to place one pair of 14 inch by 20 inch Florey type and one pair of 18 inch by 36 inch Dickson hoisting engines adjacent to new boiler plant, to handle coal on plane No. 14 New County vein and plane No. 3 in the Dunmore vein.

Finished rock plane 450 feet from the Clark vein to the New County vein. Drove rock plane 275 feet from New County to Fourteen Foot vein, east of No. 2 shaft, to facilitate handling coal from Fourteen Foot vein.

SCRANTON COAL COMPANY

Raymond Colliery.—Two Maxim water tube boilers, capacity 300 H. P. each are being installed. This work will be completed early in the year 1915.

14 plane, New County vein, Grassy Island No. 2 shaft. Installed one 18 by 36 inch Dickson first motion hoisting engine on surface, Dunmore vein, No. 4 plane, Grassy Island No. 2 shaft.

Coal Brook Colliery.—Outside: Changed main and steamboat rolls to slow-gearred rolls. Installed in the power plant a 1600 KVA 2300 volt, 25-cycle, 3-phase, G. E. generator, with a 28 by 44 by 42 Hamilton-Corliss compound non-condensing engine, and one 600 KW G. E. frequency changer, changing 25 cycle to 60 cycle, 2300 volts, 3-phase.

Powderly Colliery.—Outside: Installed 6 Wilmot jigs in the east end of the breaker. Equipped each of the six boilers in boiler plant with Coppus blowers.

Jermyn Colliery.—Outside: Boiler plant was enlarged by the installation of 926 HP B. and W. Stirling boilers. An electric hoist was installed No. 8 plane, 730 HP, 250 volt. direct current. Also installed one 250 G. E. Co. 250 KW, 250 volt D. C. belt driven generator, and a 22 by 22 McEwen engine in power house. Installed one Joplin jig in washery.

SCRANTON COAL COMPANY

Raymond Colliery.—Two 300 horse power boilers were installed.

HILLSIDE COAL AND IRON COMPANY

Erie Colliery.—A rock tunnel, 7 feet by 12 feet and 400 feet in length, was driven from the Clark vein to the New County vein, to facilitate inside transportation. Many of the motor roads have been regraded.

ARCHBALD COAL COMPANY

Tappans Colliery.—No. 2 New County slope has been extended a distance of 2500 feet on a gradient of 7 degrees, and two rock slopes were driven from this slope a distance of 300 feet, each, to reach the coal in the Dunmore veins on the Archbald anticlinal. A new slope has been started in the Dunmore vein and is now down a distance of 200 feet on a gradient of 4 degrees.

MINE FOREMEN'S EXAMINATIONS

The annual examination of applicants for certificates of qualification as mine foremen and assistant mine foremen, was held in Watt's Hall, Carbondale, May 18 and 19. The Board of Examiners was composed of P. J. Moore, Mine Inspector, Carbondale; Richard Beer, Engineer, Carbondale; John F. Boland, Miner, Carbondale; David Evans, Miner, Olyphant.

The following persons passed a satisfactory examination and were granted certificates:

MINE FOREMEN

Frank J. Hevers, John J. Ford, Patrick J. O'Rourke, Michael F. Brennan, Martin F. Murphy, Archbald; William Loftus, Olyphant; Thomas H. Williams, Carbondale; Patrick J. Murray, Peckville; Martin J. Loftus, Jessup.