

coal; installed second-hand second motion hoisting engine, and built new concrete wash house 30 by 40 feet supplied with sprays and hangers.

The Crown Coal Mining Company has made the following improvements: Built new wash house 16 by 40 feet with sprays and clothes hangers, new office building 18 by 30 feet, one small generator for pumping and for lighting the bottom, replaced old sheave wheel with new Litchfield wheel, twenty-five new pit cars, and laid about one mile of new track on main haulage roads.

The Kanawha Fuel Company since taking over the old Imperial No. 2 mine, now known as Old Abe No. 2, has installed a complete 500 horsepower boiler system, new Litchfield hoisting engines, remodeled the tipple and screening plant; (installing all necessary conveyers, elevators, and screens with the necessary steam engines to manipulate the same), electrified the mine, installed Jeffery short wall machines, equipped the shop with a steam engine, drills, saws, cutters, threaders, etc., erected fireproof fan-house encircling an 18-foot steam driven fan, made a switch and a three-track tipple diamond, installed two new semi-steel self-dumping cages, 40 3-ton pit cars, and a satisfactory fireline, pump line and telephone system.

The Paradise Coal Company has made the following improvements: One new Frost return tubular boiler, one Jeffery ventilating fan with a capacity of 130,000 cubic feet of air per minute and one new Goodman 13-ton locomotive.

The Centralia Coal Company has added one new 300 kw. generator driven by a four valve high speed engine, two General Electric 6-ton haulage motors, 100 3½-ton pit cars, two new electric rope hauls driven by motors for the purpose of pulling cars up very heavy grades, replaced one-half mile of track with new 40-pound rails and constructed under ground a combination motor pit, machine shop and motor house, 150 feet long, 40 feet wide and 10 feet high, equipped with 25-ton crane, drill press, lathe, powder saw and emery wheel, fireproof throughout with concrete walls and floor.

The Nashville Mining Company has improved the plant by the installation of electric haulage. One 6-ton Jeffery motor for road haulage, electric motor at fan, new wash house, 14 feet by 42 feet, new brick blacksmith shop and generator room 32 feet by 32 feet, two steel hoisting ropes, and two new cages have been installed.

The Kuhn Colliery Company has replaced the old wooden tipple by a new one, retimbered most all of main shaft, and installed a new John O'Brien flue 72 inches by 18 feet boiler.

The Soper Coal Company has improved No. 2 mine by adding one return flue boiler and one Blakelee steam pump. A 150 kw. direct connect generator and a short wall Goodman machine are being installed. Five hundred acres of land has been leased and will be developed as soon as additional forces can be procured. At mine No. 1 the shaft with new guides therein has been rebuilt. Extensive improvements have been made on bottom in the rebuilding of road in preparation for motors which will be installed shortly.

The Security Coal & Mining Company has added to the equipment the following: Nine 6-ton storage battery motors, 6 mining machines, 3 6 by 6 inch electric pumps, 100 2-ton pit cars, 8,000 feet of 1,000,000 mills cable, 9 battery motors fitted with Edison batteries, 1 84-inch boiler to replace a 72-inch boiler, 1 machine shop below for motor and machine repairing and a machine shop on surface 40 by 40 feet.

The Illinois Six Vein Coal Company has added to the mine equipment 1,000 feet of railroad track, one new Jeffery electric mining machine, remodeled the tipple, installed a new boiler, one motor generator, 20 1-ton pit cars, new office building, set of wagon scales, blacksmith shop, and retimbered the main shaft.

The Montgomery Coal Company has improved the mine by adding 10 new 1-ton mine cars.

The Equitable Coal & Coke Company has improved its property during the past year as follows: A new 400 horsepower 24 by 36 Danville hoisting engine was recently installed, the air shaft completely retimbered and new and wider steps put in. A new 16 by 30 feet brick powder house has been