

# ANNUAL REPORT

—OF THE—

# INSPECTOR OF MINES

—FOR—

**Allegheny and Garrett Counties**

FOR THE YEAR ENDING DECEMBER 31, 1898.



*Maryland State Library*

# REPORT OF MINE INSPECTOR.

FROSTBURG, MD., January 10, 1899.

*To His Excellency, Hon. Lloyd Lowmde,*  
*Governor of Maryland:*

Sir:—In compliance with the Act of Assembly of 1898, of the Public Local Laws of Maryland entitled Allegany and Garrett counties, sub title "Mine Inspector," I beg leave to make my first annual report, as Inspector of Mines, for the the Coal District of this State for the year ending December 31, 1898.

This region known as the Cumberland or George's Creek Coal Region, is located in the western end of Allegany county, in the valley between Dan's and Savage Mountains. The principal vein commonly known as the Big Vein, being from ten to fourteen feet thick and extending from the New York and old Withers Mining Companies' land on the north of Frostburg, southwesterly in Allegany county to the Potomac river at West-ernport, a distance of about eighteen miles, outcropping on either side of the valley near the base of Dan and Savage Mountains. Its greatest width is at Frostburg, where it is one continuous bed across the valley, a distance of three and one-half miles. North of Frostburg, it is divided into three parts by the valleys of Jennings and Braddock's Runs. From the Ocean Mine of the Consolidation Coal Company south of Frostburg, it is divided into two parts, by the George's Creek Valley. Professor James T. Hodge, who made a survey of the coal field in 1869, estimated the original area as seven-teen thousand acres, about two-thirds of which has been mined and taken out. Numerous small veins underlie the principal veins throughout the region, some of which are being worked at the southwestern end, but towards the northern or northeast end, they have up to this date so far as examination has gone, not given promise of any special commercial value.

In performance of my duties as required by law, I have visited all the mines in this region of which there are sixteen companies operating coal mines with forty-five openings, forty-one being drifts and four being slopes employing about forty-six hundred men.

There are ten stationary engines hauling out coal with tail rope; five narrow gauge locomotives hauling coal to tipples from mines, and twenty-two incline or gravity planes, fourteen being on the outside and eight on the inside of the different mines. Twelve of these mines are ventilated by fans, varying in diameter from sixteen to twenty-five feet, all of the rest having natural ventilation, with the exception of four, they have furnaces. There were four million one hundred and twenty-six thousand four hundred and forty-five (4,126,445) tons of coal mined from this region during 1898, which figure includes coal consumed in the region as fuel and are compiled from data furnished by the several companies and operators.

There were four fatal accidents, a more extended report of which will be found on the part headed "Fatal Accidents." The number of non-fatal accidents were thirty-one.

I have, since the second day of May 1898, the date of my commission as Inspector of Mines, visited the different mines in the region one hundred and fifty-six times, and have traveled 2,600 miles on railroad cars, 275 miles on foot and 245 miles under ground, having endeavored to see and talk to every miner in his place of work. Of the four fatal accidents mentioned in this report, two occurred previous to the date of my commission. One inquest I attended, the other being considered purely accidental. I have also given careful attention to the condition of the air in each mine. In some I found the air was not up to the requirements of the law, but in every case where I found it to be bad and unfit for men to work in, I reported it to the overseer or superintendent, and I am glad to report that in every case there was an effort on the part of the overseer to remedy the same; on the whole the condition of the air and drainage of the mines of this State is good.

I have also inspected the scales and weights of every mine in this district of which there are forty-six. All weighmasters in the region furnished me with a copy of their affidavit, signed by some magistrate in Allegany or Garrett county, that they would perform the duties of weighmaster with honesty and fidelity to miner and operator alike, showing that every weighmaster that weighs coal in this region as it comes from the miner on the car on which such miner loads the same, is sworn to give credit at the rate of 2240 lbs. to the ton. He also keeps a list of all coal weighed by him, so that the men can at any time during the day or month inspect their account. Every mining car in this region has its average weight stamped or branded on it in some conspicuous place, that being part of the new mining law.

I have given particular attention to timber or props, one of the most necessary things in a coal mine, and I am pleased to say that in compliance with the law the companies in this region furnish at their own expense all timber such as props, ties, rails, etc., necessary to taking out of coal at the face of every working place.

I have also paid close attention to the width of every heading that has been driven during this year, so that there is sufficient room for the driver to walk along the side of his trip with safety.

In the matter of care and prudence to be observed by employer and employee, in and about the mines, I most respectfully beg to call Your Excellency's attention to the comparatively small number of fatal and serious non-fatal accidents, when we consider the dangerous character of the work, and the thickness of the vein which is from eight to fourteen feet.

I hope through the improved methods of mining and careful management the number of accidents may be still further reduced, but it is well known that men who are daily exposed to danger, become so accustomed to it as to regard it with indifference; yet I would have all remember that "eternal vigilance is the price of safety."

On the whole, the year's work has been good, without serious trouble, and I am pleased to report that the employers are endeavoring to comply with the law. The employees are as industrious and intelligent a set of working men as will be found anywhere, and with the best coal in the world, for the fame of our George's Creek coal has spread across the Ocean and it is carried over the continent for smithing purposes as far as the Klondike Gold Fields. It was our Maryland coal that Sampson and Schley had in the bunkers of their battleships when the whole of Cervera's fleet was destroyed and sunk out of the harbor of Santiago, and there is every reason to believe that our supremacy will continue with as much success in commerce as it has attained in war.

From the information I have been able to gather, I am convinced that our big vein coal will continue to make its influence felt in the market for many years. Many of the mines are rapidly exhausting their supply, but new openings and workings in the big vein are keeping the supply up to the limit established in former years. In addition, the four and six foot veins are being worked to advantage from Barton to Westernport, and so much activity is being manifested there that the life of the George's Creek region is assured many years; besides, the quality of the small vein coal there shows that it will be fully able to maintain the already high standard of our coal.

I have annexed the usual set of tables, showing the number of men employed in and about our coal mines so far as obtainable; the number of tons of coal mined by each company; also the number of fatal and serious non-fatal accidents, &c. In conclusion, I trust that you will find herein contained all that the law requires and other information that may be of interest or value to you.

I also desire to return my sincere thanks to all with whom it was my duty to have official intercourse, for the uniform courtesy extended me, and to our State's Attorney for counsel given me from time to time as Inspector of Mines for this district.

All of which is respectfully submitted.

Very respectfully,

ALEXANDER RANKIN,

*Inspector of Mines.*

## SYNOPSIS OF REPORT.

|  |               |
|--|---------------|
| Number of mines in the district.....     | 45            |
| “ “ tons of coal mined.....              | 4,126,445.06  |
| “ “ tons shipped.....                    | 4,111,816.06  |
| “ “ miners employed.....                 | 4,571         |
| Total number of men employed.....        | not furnished |
| Number of horses and mules.....          | not furnished |
| “ “ fatalities.....                      | 4             |
| “ “ non-fatal accidents.....             | 31            |
| “ “ tons produced per each fatality..... | 1,031,611     |
| “ “ men employed per each fatality.....  | 1,143         |

## NAME OF COMPANIES AND SUPERINTENDENTS ADDRESS.

American Coal Company, J. H. Parrot, Lonaconing.  
 Barton Mining Company, Malcolm Sinclair, Cumberland.  
 Barton & George's Creek Valley Coal Company, Adam E. Hitchins, Frostburg.  
 Big Vein Coal Company, A. C. Rawlings, Midland.  
 Borden Mining Company, Davison Armstrong, Frostburg.  
 Consolidation Coal Co. B. S. Randolph, Frostburg.  
 Davis Coal & Coke Company, O. Tibbetts, Piedmont, W. Va.  
 George's Creek Coal & Iron Company, Robert L. Somerville, Lonaconing.  
 G. C. Pattison Coal Company, G. C. Pattison, Bloomington.  
 Maryland Coal Company, F. E. Brackett, Lonaconing.  
 Merrill Coal Company, A. J. Merrill, Westernport.  
 New Central Coal Company, Duncan Sinclair, Lonaconing.  
 Piedmont & Cumberland Coal Company, T. W. Stingley, Piedmont, W. Va.  
 Union Mining Company, John Sheridan, Mt. Savage.  
 Watson-Loy Coal Company, M. Masteller, Barnum, W. Va.

## PRIVATE OPERATORS.

|                    |       |                  |
|--------------------|-------|------------------|
| Jno. O. J. Greene, | - - - | Westernport, Md. |
| M. Gannon,         | - - - | “                |
| Robert Moon,       | - - - | “                |
| Malcolm Sinclair,  | - - - | Cumberland, Md.  |
| C. B. Workman,     | - - - | Frostburg, Md.   |

## OPERATIONS OF COMPANIES FOR 1898.

| Name of Company.               | No. Tons.  | Total.     | No. Men. |
|--------------------------------|------------|------------|----------|
| American Coal Co.              |            |            |          |
| Jackson Mine, Lonaconing,      | 379,066.19 |            |          |
| Caledonia, Barton,             | 85,260.14  | 464,327.18 | 896      |
| Barton Mining Co.              |            |            |          |
| Swanton Mine, Barton,          | 14,000.00  | 14,000.00  | 40       |
| Borden Mining Co.              |            |            |          |
| Bowery Mine, Shaft,            | 116,627.03 | 116,627.03 | 100      |
| Big Vein Coal Co.              |            |            |          |
| Big Vein Mine, Midland,        | 65,122.04  | 65,122.04  | 50       |
| Barton & George's C. V. C. Co. |            |            |          |
| Carlos Mine, Carlos,           | 237,166.05 | 237,166.05 | 325      |
| Consolidation Coal Co.         |            |            |          |
| Ocean No. 1 Mine, Ocean,       | 890,781    |            |          |
| Hoffman Mine, Hoffman,         | 354,498    |            |          |
| Eckhart Mine, Eckhart,         | 365,837    |            |          |
| Frost Mine, Frost,             | 19,159     |            |          |
| Consolidation Mine, Frostburg, | 5,473      |            |          |
| Ocean No. 7 Mine, Lord,        | 294,528    |            |          |
| New Shaft Mine, Borden Shaft,  | 5,147      | 1,435,418  | 1,632    |
| Davis Coal & Coke Co.          |            |            |          |
| Franklin Mine, Franklin,       | 111,918.19 | 111,918.19 | 143      |
| George's Creek Coal & Iron Co. |            |            |          |
| No. 1 Mine, Lonaconing,        | 405,670.18 |            |          |
| Pine Hill Mine, Lonaconing,    | 87,000.00  | 492,670.18 | 442      |
| Maryland Coal Co.              |            |            |          |
| Detmold Mine, Lonaconing,      | 191,934.13 |            |          |
| Appleton Mine, Lonaconing,     | 191,934.00 | 383,868.13 | 435      |
| New Central Coal Co.           |            |            |          |
| Koontz Mine, Lonaconing,       | 208,677.14 | 208,677.14 | 187      |
| Union Mining Co.               |            |            |          |
| Union Mine No. 1, Frostburg,   | 231,124.01 |            |          |
| Union Mine No. 2, Frostburg,   | 215,156.01 |            |          |
| Potomac Mine, Barton,          | 75,941.00  | 522,221.02 | 643      |
| Piedmont & Cumberland C. Co.   |            |            |          |
| Excelsior Mine, Franklin,      | 29,217.00  | 29,217.00  | 54       |
| Pattison Mining Co.            |            |            |          |
| Pattison Mine, Bloomington,    | 21,666.00  | 21,666.00  | 36       |
| Watson-Loy Coal Co.            |            |            |          |
| Watson Mine, Barnum,           | 21,585.10  | 21,585.10  | 64       |
| Merrill Coal Co.               |            |            |          |
| Merrill Mine, Westernport,     | 3,000.00   | 3,000.00   | 10       |
| Gannon Mine, Franklin,         |            |            |          |
| Workman Mine, Frostburg,       | 2,036.00   |            | 6        |
| Greene Mine, Westernport,      | 800.00     |            | 3        |
| Moon Mine, Westernport,        | 1,178.00   |            | 5        |

## FATAL ACCIDENTS.

April 4. Flave Bradley, aged 22 years, single, while at work in one of the Franklin Mines, was almost instantly killed by fall of breast coal. He, with three other men, worked in one place. One of them was his brother Edward. While he and his brother were loading a car, his other two companions were side cutting the breast coal, when, without any warning, the coal gave way, and while it may seem strange, missed the two men who were cutting, striking the two brothers, killing one and injuring the other.

April 9. Maurice E. Winebrenner, age 40 years, married, while at work in Ocean No. 1 Mine was fatally injured by roof coal falling on him. He was working with Henry and William Spitznas when the accident occurred and was not thought to be badly injured. He died the same day.

Sept. 10. Michael Byrne, aged 30 years, married. While at work in Ocean Mine was instantly killed by breast and top coal falling on him. He was with his son and it was the usual pay day. His son went out to get their pay and the father continued at his work, for when his neighbor was going out he heard him sledging. That was the last heard of him until the driver, fifty minutes later, went into his place to get his loaded car. He was found under a very large piece of top coal four by five feet and two feet thick. I examined this place and found there was a slip in the top coal running along the rib parallel with his place for 14 feet. He must have seen this for he had his place well timbered and as extra precaution had stood a cross bar within three feet of his breast, the face slip that he struck running up through the top cutting off the one that was running along the rib causing it to fall with the above result.

Oct. 1. Thomas Lewis, single, age 27 years. Was killed in Frost Mine, while running a loaded car down his room to the heading, by a fall of some five or six tons of roof, which caught and completely covered him. His brother, who worked near, ran for help but they were too late.

I examined the place and found its condition indicated that the car had too much start, and when it came to the steep T iron switch swung or lurched around and knocked the timber out, causing the roof to fall on the deceased with the above sad result.

Inquest held.



## SERIOUS NON-FATAL ACCIDENTS.

| Date of accident. | Name of Person.     | Name of Mine. | Nature or cause of accident.                 |
|-------------------|---------------------|---------------|--|
| Jan. 11,          | Henry Lammert,      | Eckhart,      | Leg broken by fall breast coal.              |
| Jan. 15,          | Palmer Sperry,      | Eckhart,      | Ankle broken by fall breast coal.            |
| Nov. 14,          | John J. Jones,      | Eckhart,      | Head bruised and cut by fall top coal.       |
| Nov. 14,          | Samuel Wolford,     | Eckhart,      | Head cut by fall top coal.                   |
| Nov. 14,          | Vincent Zavillesky, | Eckhart,      | Squeezed between cars.                       |
| Sept. 1,          | John Flynn,         | Carlos,       | Head and leg bruised by fall top coal.       |
| Sept. 15,         | Richard Wilderman,  | Carlos.       | Hips hurt by fall breast coal.               |
| Jan. 22,          | Webster Simpson.    | Carlos,       | Hand mashed by a car.                        |
| April 23,         | Joseph Winner.      | Carlos,       | Leg broken by loaded car.                    |
| May 18,           | Joseph Fatkin,      | Carlos,       | Arm and ribs broken by fall breast coal.     |
| May 19,           | Son Joseph Fatkin.  | Carlos.       | Hurt, same occasion.                         |
| July 25,          | Samuel Treasise,    | Carlos,       | Finger cut off with an axe.                  |
| July 29,          | George Lucas, Sr.   | Carlos,       | Leg and arm broken fall of breast coal.      |
| April 4,          | Edward Bradley,     | Franklin,     | Body bruised by fall breast coal.            |
| May 19,           | Archie Stewart,     | Ocean No. 1,  | Body crushed by fall breast coal.            |
| Oct. 26,          | Owen McGreevy,      | Ocean No. 1,  | Arm broken by a run away car.                |
| Nov. 9,           | Frank Raley,        | Ocean No. 1,  | Leg hurt by fall breast coal.                |
| Sept. 11,         | Andrew Lapp,        | Eckhart,      | Foot hurt by fall breast coal.               |
| Jan. 11,          | Joseph Patten,      | Eckhart,      | Foot hurt by fall breast coal.               |
| June 10,          | John Thompson,      | Ocean No. 7,  | Leg broken by fall breast coal.              |
|                   | Daniel Abel, Jr.,   | Ocean No. 1,  | Leg broke; not employed.                     |
| Jan. 25,          | Daniel C. Miller,   | Eckhart,      | Foot broken.                                 |
| Feb. 5,           | William Rodda,      | Eckhart,      | Arm broken.                                  |
|                   | John Morgan,        | Cutter,       | Leg broken by fall top coal.                 |
|                   | George Linn,        | Cutter,       | Arm broken by horse kick.                    |
| April 26,         | Robert Wilson.      | Big Vein,     | Leg broken by falling off car.               |
| June 18,          | John Donald,        | Koontz,       | Leg broken by fall breast coal.              |
| Nov. 25,          | William Coleman,    | Jackson,      | Crushed by fall top coal.                    |
|                   | William Pierson,    | Jackson,      | Ankle broken by car running over it.         |
| Oct. 12,          | Peter Donahue,      | Union No. 1,  | Leg and back injured by fall top coal.       |
| Dec. 28,          | Adam Hetz,          | Koontz,       | Leg broke and back injured by fall top coal. |

## DESCRIPTION AND GENERAL CONDITION OF MINES.

### AMERICAN COAL COMPANY,

J. H. Parrot, Supt.

Operates two mines. Jackson mine, located at Lonacoring, on the G. C. & C. R. R. Three drift openings, operated by stationary engine, of 125 horse power, with tail rope haulage system, to the surface; from thence two miles by narrow gauge locomotive to the tippie. Capacity 1350 tons per day, employing 334 men. Ventilated by twenty-five foot fan, the largest in the region. This is a model coal mine.

Isaac Bradburn,  
Mine Foreman.

### CALEDONIA MINE,

Located at Barton on the C. & P. R. R.

Two drift openings, operated by an incline plane on the outside 2,700 feet in length. Capacity 200 tons per day, employing forty-five men. Ventilation in one mine by furnace, the other by natural means. General condition fairly good.

Joseph McCormack,  
Mine Boss.

### BARTON MINING COMPANY,

Malcolm Sinclair, Supt.

Old Swanton mine. Located at Barton, on the C. & P. R. R. Is now worked out and finished. Drift opening, operated by two incline planes on the outside. Capacity 150 tons per day, employing 40 men. Ventilated by natural modes; air and general condition fairly good.

George McMillan,  
Mine Boss.

## BARTON AND GEORGE'S CREEK VALLEY COAL COMPANY.

Adam E. Hitchins, Supt.

Located on the Carlos Branch of the C. & P. R. R. Has two drift openings, one is operated by an outside plane and one on the inside, employing 325 men, and having a capacity of 1,100 tons per day. Natural ventilation is had in the new mine, in the old mine there is a shaft, in which is a fire basket that does some good, but at times there are some complaints about the air. Condition in general is fairly good. Archie Stewart,  
Mine Boss.

## BIG VEIN COAL COMPANY.

A. C. Rawlings, Supt.

Located at Midland, on the C. & P. R. R. Is a drift opening, employing 50 men, having a capacity of 200 tons per day. Natural ventilation. Air and general condition good. Wm. Montgomery,  
Mine Boss.

## BORDEN MINING COMPANY,

Davisson Armstrong, Supt.

## Bowery Mine.

Located on a branch of the C. & P. R. R. on what was formerly the Bowery Furnace property. Slope opening, operated with stationary engine of 125 horse power. Capacity 400 tons per day, employing 100 men. Ventilated by sixteen foot fan. Air and drainage always found in the best condition. This once famous mine is now nearly finished. Robert S. Harvey,  
Mine Foreman.

## CONSOLIDATION COAL COMPANY.

B. S. Randolph, Mining Superintendent. Operates six mines, three of which are slopes. Ocean Mine No. 1 is located at Ocean, on the C. & P. R. R. Slope opening, length of slope 2,400 feet. Coal is drawn up the slope to the tippie by a 150 horse power stationary engine. Tail rope haulage in first lift. Capacity 1,600 tons per day, employing 462 men. Ventilated by fan sixteen feet in diameter. Extensive improvements during the year, having built a large air compressor engine for power to pump water out of slope; laid eight-inch pipe down the slope to the pump, and they now generate electricity and have incandescent lights in and around the enginehouse and yard. Ventilation and drainage are good.

Philip A. McMahon,  
Mine Foreman.

## OCEAN NO. 2, OR OLD CONSOLIDATION MINE.

Located at Frostburg; drift opening. Operated for the purpose of supplying the town of Frostburg with fuel, employing six men. Output for 1898 6,000 tons. Natural ventilation and the mine is always in good condition.

James Weston,  
Mine Boss.

## NO. 3½, OR ECKHART.

Located at Eckhart on a branch of the C. & P. R. R. Slope opening. Operated by 125 horse power stationary engine. It also has a stationary engine down in the mine for the tail rope system of haulage. Capacity 1,200 tons per day, employing 374 men. Ventilated by fan sixteen feet in diameter. Ventilation and general condition good.

Daniel Krapf,  
Mine Foreman.

## NO. 3, OR HOFFMAN.

Located near Vale Summit on a branch of the C. & P. R. R. Slope opening 7,000 feet in length, the longest in the region. Operated by a 125 horse power stationary engine. Capacity 1,600 tons per day, giving employment to 418 men. Ventilated by fan twenty feet in diameter, but having a large underground territory it is very difficult to keep the air good at all times, on the whole the air and general condition are good.

Joseph B. Thomas,  
Mine Foreman.

## FROST MINE.

Is a drift located at the Old Frost Mine, on the C. & P. R. R., operated for engine coal only for the C. & P. R. R., employing twenty-two men.

This mine goes through under the town of Frostburg and connects with the old Consolidation No. 2 Mine. Natural ventilation. Air and general condition good.

James Weston,  
Mine Boss.

## NEW SHAFT. EMPLOYING 32 MEN.

Located on the C. & P. R. R. Is 250 feet deep and was sunk for the purpose of draining the Hoffman Mine. This shaft is equipped with a covered safety cage, so that men who work in Hoffman Mine can at any time ascend or descend with perfect safety. There are two large pumps at the bottom of the shaft, having a capacity of 2,500 and 1,500 gallons of water per minute for pumping the water to the surface, besides three other pumps of less capacity, for pumping the water into the main, sump or dam.

This is the most powerful piece of machinery in the region; any one going down to see these monster pumps at work 250 feet below the surface, and seeing all around and above them walled with brick and cement would forget that they were down in a coal mine.

Robert H. Pascoe,  
Master Machinist.

**OCEAN No. 7, LOCATED ON A BRANCH OF THE C. & P. R. R.**

A model drift opening, probably the finest in the county. Twelve feet high by seventeen feet six inches wide, arched with stone and brick for a distance of 250 feet, to the solid coal. Tipple also noted, as being the most complete arrangement for the loading of box cars with coal for western trade.

This mine, opened in 1897, has now the enormous capacity of 1,500 tons per day, and gives employment to 318 men.

Ventilation and general conditions are good.

William Somerville,  
Mine Boss.

**GEORGE'S CREEK COAL AND IRON COMPANY.**

Robert L. Somerville, Supt.

Operates four mines at Lonaconing.

No. 1 and Cutter Mine are operated by a stationary engine at 150 horse power, using the tail rope haulage system, employing 324 men and having a capacity of 1,600 tons per day.

There is a tram road from No. 1 mine around the hill 400 feet to a tipple, where this mine can load coal on the G. C. & C. R. R. In these mines the tail rope system of haulage is worked to perfection. No. 1 is ventilated by a fan sixteen feet in diameter, and the Cutter by a fan twenty feet in diameter, and I have always found both mines in the very best of condition.

Richard Spear,  
Mine Foreman.

**NO. 3, OR PINE HILL.**

Two drift openings located on the C. & P. R. R. The new mine has two incline planes on the inside, and one on the outside, over which the coal from both mines is run down to the tipple, employing 102 men, with a capacity of 500 tons per day. Natural ventilation, and is among the best ventilated mines in the region. General condition good.

John Boyd,  
Mine Boss.

## NO. 6, OR BEADNELL.

Is located on the G. C. & C. R. R. Is operated by a small stationary engine and tail rope haulage, employing 16 men. Capacity 80 tons per day. Natural ventilation. General condition good.

Richard Spear,  
Mine Boss.

## GANNON MINE, FRANKLIN.

M. Gannon, Supt.

This mine has not worked since May 18, 1898.

J. J. McDonald,  
Mine Boss.

## GREENE COAL MINE.

John Greene, Supt.

Drift opening into the six foot vein, located at West-ernport, operated for fuel purposes, with a capacity of ten tons per day, employing three men; air and general conditions are good.

John O. J. Greene,  
Mine Boss.

## MARYLAND COAL COMPANY.

F. E. Brackett, Supt.

Operates two mines at Lonaconing on the G. C. & C. R. R.

## NEW DETMOLD.

Drift opening, operated with stationary engine and tail rope haulage; has an incline plane on the inside. Capacity 1,100 tons per day, employing 219 men. This mine has not worked very steadily during the year. Ventilated by a fan sixteen feet in diameter. Air and drainage are of the very best.

August Ricker,  
Mine Boss.

## KINGSLAND AND APPLETON MINE.

Drift opening. Kingsland nearly worked out. Appleton is operated by plane on the inside and by small locomotive which hauls the coal one-half mile to the tipple. Capacity 1,100 tons per day, employing 216 men. Ventilated by furnace which does not give satisfaction, but are erecting and have nearly completed a large fan, which will put this mine among the best in the region. Drainage and general conditions are good.

William Dodds,  
Mine Boss.

## MERRILL MINE.

A. J. Merrill, Supt.

Drift opening. Located at Westernport on the W. Va. C. R. R. Operated with plane on the outside, employing ten men, with a capacity of thirty tons per day. Natural ventilation. Drainage is poor; other conditions fair.

A. J. Merrill,  
Mine Boss.

## MOON COAL MINE.

Robert Moon, Supt.

Drift opening, located at Westernport, operated for fuel purposes, with a capacity of 15 tons per day, employing five men. This is the six foot vein and is a very good quality. Air and general conditions are good.

Robert Moon,  
Mine Boss.

## NEW CENTRAL COAL COMPANY.

Duncan Sinclair, Supt.

Operates two mines at Lonaconing on the G. C. & C. R. R.

## KOONTZ MINE.

Drift opening, operated with stationary engine, and tail rope haulage. Capacity 900 tons per day, employing 171 men. Ventilated by twenty foot fan. Air and condition good.

William Thompson,  
Mine Boss.



**KOONTZ No. 2, OF LOW VEIN.**

Drift opening, operated by stationary engine, and tail rope haulage. This seam of coal is above the big vein, and from three feet to three feet four inches thick, and is of very good quality. Capacity 70 tons per day, employing 16 men. Ventilated by sixteen foot fan, and is in good condition.

William Thompson,  
Mine Boss.

**PIEDMONT AND CUMBERLAND COAL COMPANY.**

T. J. Stingley, Supt.

**EXCELSIOR MINE.**

Located at Franklin on the C. & P. R. R. adjoining the celebrated Franklin Mine. Has two drift openings, operated with four incline planes, aggregate length 7,000 feet, with a capacity of 200 per day day, employing 56 men. Air and general conditions are fair.

James Muncie,  
Mine Boss.

**SINCLAIR MINE NEAR BARTON.**

Peter Sinclair, Supt.

Malcolm Sinclair, Operator.

A new opening, almost ready for operation. Four foot vein. Good Coal. This gives promise of being one of the best small vein mines in the region.

J. J. McDonald,  
Mine Boss.

**UNION MINING COMPANY.**

(Black, Sheridan and Wilson.)

Operates three mines. Union No. 1 located at Frostburg on the C. & P. R. R. Drift opening through the old New Hope Mine, a distance of one mile, to an inside plane 2,000 feet long. Coal is drawn from the bottom of this plane to the tippie by tandem teams. Capacity 900 tons per day, employing 215 men. Ventilated by fan sixteen feet in diameter; it being surrounded on all sides by old and abandoned workings make it very difficult to keep the air good at all times.

John S. Brophy, Supt.  
Maxwell Hamilton,  
Mine Boss.

## No. 2.

Is located at the Allegany Mine, on the C. & P. R. R. Double drift opening. Coal is hauled to the outside by tandem. Capacity 900 tons per day, employing 310 men. There has been some contention on account of docking. Ventilated by fan sixteen feet in diameter. I found some smoke in parts of the mine, but two air shafts are being sunk which will greatly improve the air. The general condition of roads and drainage fair.

Henry Shriver, Supt.

Joseph Maurey,

Mine Boss.

## UNION NO. — POTOMAC MINE.

Located at Barton on the C. & P. R. R. Drift opening. Incline plane on the outside, and a tram road one mile long over which the coal is hauled by a small locomotive to the dump. This once famous mine is nearing the end, but they have opened three drifts into a small vein, the quality of which is excellent. There are forty-five men employed in both veins with a capacity of — tons per day. Natural ventilation. General condition of both mines is good.

P. H. Gallagher,

Mine Boss.

## WORKMAN COAL MINE.

C. B. Workman, Supt.

Located at Frostburg; operated for fuel purposes, with a capacity of 15 tons per day, employing six men. Natural ventilation. General conditions are good.

C. B. Workman,

Mine Boss.

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## GARRETT COUNTY.

DAVIS COAL AND COKE COMPANY,

O, Tibbetts, Supt.

Located at Bloomington on the W. Va. C. R. R.

This Company has four openings, three of which are in the big vein and one in the Tyson or Gas Coal, above the big vein.

The coal from the gas coal mine is run down an incline plane to tram road, from thence it is hauled two miles by a narrow guage locomotive, and then down two more inclines to the tipple on the W. Va. C. R. R. Capacity 500 tons per day, employing 143 men. General conditions are fairly good.

They have also made a fine drift opening into the six foot vein near the dump and are erecting a stationary engine. This vein gives promise of producing a good quality of coal.

Henry Biggs,  
Mine Boss.

## PATTISON MINE.

C. C. Pattison, Supt.

Located at Bloomington on the B. & O. R. R.

Two drift openings into the low vein, being two feet four inches of clean coal of very good quality. Capacity 100 tons per day employing 36 men. Ventilation by natural modes. Roads and drainage are fairly good.

J. C. Simpson,  
Mine Boss.

## WATSON-LOY COAL COMPANY,

M. Masteller, Supt.

Drift opening four foot vein; also opening six foot vein; located eight miles from Westernport on the W. Va. C. R. R. at Barnum. This is a new mine, operated by a plane on the outside and a bridge across the Potomac River. This coal is of a very good quality, with a capacity of 150 tons per day, employing 64 men. Ventilated by small furnace. Air and general conditions are good.

William Beaver,  
Mine Boss.