

SECOND ANNUAL REPORT
OF THE
MARYLAND BUREAU OF MINES
OF THE
STATE OF MARYLAND

Under the Supervision of the State Board of Labor and Statistics
DR. J. KNOX INSLEY, Commissioner

CALENDAR YEAR 1924



TO

HON. ALBERT C. RITCHIE

GOVERNOR OF MARYLAND

JOHN J. RUTLEDGE
Chief Mine Engineer



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Baltimore, Md.

LETTER OF TRANSMITTAL

To His Excellency,

HON. ALBERT C. RITCHIE,

Governor of Maryland:

Sir:

I have the honor to submit herewith the Second Annual Report of the Maryland Bureau of Mines for the period January 1 to December 31, 1924, in compliance with the requirements of the new Mining Law of the State of Maryland.

Very respectfully,

JOHN J. RUTLEDGE,

Chief Mine Engineer.

REPORT OF THE MARYLAND BUREAU OF MINES

To His Excellency,

HON. ALBERT C. RITCHIE,

Governor of Maryland:

Sir:

The report herewith submitted is for the calendar year 1924, and is the forty-eighth annual report upon conditions of the Coal and Clay mines within the State.

The reports from the various mining operators throughout the State show the tonnage to be as follows:

CLAY AND COAL PRODUCTION.

Calendar year 1924.

Pick	1,525,069.90
Machine	596,840.35
Total.....	<u>2,121,910.25</u>

COAL PRODUCTION, ALLEGANY COUNTY.

During the calendar year 1924, Allegany County employed 1,761 miners, 146 drivers, 427 inside laborers and 347 outside employees, making a total of 2,691 men. The production of coal for Allegany County during the calendar year 1924 was 1,402,653.57 net tons. This shows a production of 796 net tons for each miner employed during this period.

COAL PRODUCTION, GARRETT COUNTY.

During the calendar year 1924, Garrett County employed 614 miners, 77 drivers, 103 inside laborers and 151 outside employees, making a total of 945 men. The production of coal for Garrett County during the calendar year 1924 was 657,802.89 net tons. This shows a production of 1,071 net tons for each miner employed during this period.

FIRE CLAY PRODUCTION.

During the calendar year 1924, the Fire Clay Mines in Allegany County employed 88 miners, 17 drivers, 38 inside laborers and 52

outside employees, making a total of 195 men. The production of clay for Allegany County for the calendar year was 61,453.79 net tons. This shows a production of 698 net tons of clay for each miner employed during this period.

TONNAGE PER FATALITY.

In Allegany County for the calendar year 1924 there were 1,402,-653 tons of coal produced for each fatal accident, while in Garrett County for the same period there were 82,225 tons of coal produced for each fatal accident.

TONNAGE PER FATALITY FOR ENTIRE STATE.

During the calendar year 1924, there were 228,940 net tons produced for each fatal accident.

In the entire State the fatalities per 1,000,000 tons of coal were 4.367.

In the entire State the fatalities per 1,000 employees were 2.475.

TRADE CONDITIONS

The Western Maryland Coal field, especially the George's Creek District, continued to suffer from adverse freight rates. Coal mined in West Virginia and Pennsylvania, where as a rule mining rates have been much less than those paid in Georges Creek District, has been usurping the natural and rightful markets of the George's Creek coals. Since these West Virginia and Pennsylvania coals are of very good grade and reach the markets of the Maryland coal consumers at the same freight rates charged the Maryland coal, they can undersell Maryland coal in its own market. Some of the contracts which have been recently taken by West Virginia coals have been enjoyed by Western Maryland operators for many years past. It is hoped that very soon these conditions will be changed and Maryland coal operators will be enabled to regain the markets which are rightfully theirs.

The total tonnage shipped from the field, reported by the railroads for 1924 and compared with the year 1920, the years intervening being affected by strike, is as follows:

	1920	1924
Cumberland & Penna. R. R....	2,416,010 Gro.	906,456 Gro.
Western Maryland R. R.....	453,630 "	202,846 "
	<hr/>	<hr/>
	2,869,640 "	1,109,302 "

a difference of 1,760,338 gross tons.

There is a considerable quantity of coal mined in Maryland which

is used locally, being transported from the mines to the point of consumption in trucks and wagons, and is not hauled on the lines of the railroads. This will account for the difference between the total quantity of coal hauled by the railroads and that shown on the production sheets in another part of this report.

The average selling price per ton obtained in 1920 was about \$4.25, the average cost about \$3.75. The average selling price per ton obtained in 1924 was about \$2.50, and the average cost about \$2.52. About 75 per cent of the above tonnage was Big Vein and Tyson. The lower seams selling price being low, reduced the average.

The yearly contract tonnage lost in the George's Creek field, on account of the 20-month strike, coupled with the general depression in the coal business that followed, makes a very sad picture for every one connected with the coal industry in this section.

The demand for coal was poor throughout the year, and a number of mines were closed down in the spring of the year. Business improved somewhat in the fall, but not to any great extent.

During the year 1924, the business of mining and marketing coal was in a very depressed condition; there was little or no demand for coal and many mines remained idle during the entire year and those that did continue to produce coal were operated for the most part only two or three days each week. The depression in the coal business was prevalent also in most of the other coal producing States.

LABOR CONDITIONS

During 1924, there were no serious labor troubles in the Western Maryland coal fields; however, there was a general readjustment of wages and tonnage prices in the Maryland coal fields during the year. The strike of coal miners in Western Maryland, which was declared on April 1, 1922, was called off on November 22, 1923, but the results of the strike were keenly felt during 1924 and will be experienced for some time in the future. The workings of many Big Vein mines fell in during the strike and many of these mines may never be re-opened. This resulted in loss of employment and loss of coal contracts, and depreciation in mining property values. Many of the coal mining companies made reductions in tonnage prices and day wages at some time in the calendar year 1923, but several of the larger companies continued to pay the high tonnage and day wage prices paid during the World War, until 1924. One company, the Consolidation Coal Company, made no reduction in mining prices or day wages until May 1, 1924.

Approximately 900 men, most of whom were formerly employed in the coal mines of the George's Creek District, are now employed in manufacturing plants in Cumberland and Luke. In addition, many former miners have left the region to take employment in the

rubber plants in Ohio and the automobile factories in Michigan. A great many families have left the George's Creek region on account of failure to find employment.

MARYLAND MINE INSPECTORS

From May, 1874, to May, 1876.....	Peter Cain
From May, 1876, to May, 1880.....	Owen Riordan
From May, 1880, to May, 1884.....	Thomas Brown
From May, 1884, to May, 1886.....	Dennis Sheridan
From September, 1886, to May, 1888.....	Chas. H. Hamill
From May, 1888, to May, 1892.....	R. T. Browning
From May, 1892, to May, 1896.....	F. J. McMahan
From May, 1896, to May, 1898.....	Otto Hohing
From May, 1898, to May, 1900.....	Alexander Rankin
From May, 1900, to May, 1904.....	James P. Carroll
From May, 1904, to May, 1908.....	Thomas Murphy
From May, 1908, to May, 1912.....	J. H. Donahue
From May, 1912, to May, 1916.....	William Walters
From May, 1916, to March, 1918.....	John L. Casey
From April, 1918, to June, 1918.....	John Powers
From June, 1918, to September, 1918.....	Frank T. Powers
From September, 1918, to August, 1919.....	Lawrence Dunn
From May 1, 1919, to May 1, 1920.....	Frank T. Powers
From May 1, 1920, to May 1, 1921.....	Frank T. Powers
From May 1, 1921, to September 30, 1922.....	Frank T. Powers
From October 1, 1922, to May 1, 1923 (temporary appointment).....	Frank T. Powers
From May 1, 1923, permanent appointment, effective May 1, 1923.....	Frank T. Powers
From May 1, 1923, permanent appointment, effective May 1, 1923.....	John B. Watkins
From May 1, 1923, to December 31, 1924.....	Frank T. Powers
From May 1, 1923, to December 31, 1924.....	John B. Watkins

PERSONNEL, MARYLAND BUREAU OF MINES

Chief Mine Engineer

John J. Rutledge - - - - - 22 Light Street, Baltimore
District Mine Inspector

Frank T. Powers - - - - - Frostburg
District Mine Inspector

John B. Watkins - - - - - Westernport
Clerk-Stenographer

Miss Julia E. Jefferson - - - - - 22 Light Street, Baltimore
Vocational Mining Instructor

L. C. Hutson - - - - - Kitzmiller
Mine Examining Board

John J. Rutledge, Chairman - - - 22 Light Street, Baltimore

G. M. Gillette, Representing Coal Operators - - - - Frostburg

Lawrence Dunn, Representing Coal Miners - - - - Midland

**SCALE OF WAGES IN THE GEORGE'S CREEK FIELD
FROM MAY 1, 1880, TO DECEMBER 31, 1922**

	Per Gross Tons Picked
May 1, 1880.....	\$0.65
June 1, 1882.....	.50
December 1, 1884.....	.40
March 1, 1887.....	.50
April 1, 1894.....	.40
April 1, 1896.....	.45
April 1, 1900.....	.55
April 1, 1903.....	.65
April 6, 1904.....	.60
April 1, 1910.....	.63
April 1, 1912.....	.65½
January 15, 1916.....	.68
October 16, 1916.....	.75
March 1, 1917.....	.85
May 1, 1917.....	.93½
November 1, 1917.....	1.04.7
November 1, 1919.....	1.19.4
April 1, 1920.....	1.31½
December 31, 1922.....	1.31½
December 31, 1923.....	1.31½
December 31, 1924.....	.90
December 31, 1924&Loading after machines.....	.65-.82

The Maryland coal operators made two increases in 1920. Effective April 1, 1920, the mining rate was increased from \$1.194 to \$1.315, and labor increased \$1.00 per day. Affective August 16, 1920, day labor was increased \$1.50 per day, no increase being made in mining. No further changes were made until May 1, 1924, when the following scale went into effect:

	Per Gross Tons
Pick Mining.....	.90
Machine Mining.....	.807

MINES NOT OPERATING DURING CALENDAR YEAR 1924

Allegheny County

Allegheny Coal Company, Tacoma No. 2.
Brydon Bros. Coal Corporation, Coramandel Mine.
Brydon Bros. Coal Corporation, Pekin Mine.
Brydon Bros. Coal Corporation, Moscow Mine.
Campbell Coal Company, Hampshire Mine, Freeport Opening.
Campbell Coal Company, Hampshire Mine, Big Vein Opening.
Cumberland Big Vein Coal Company, Conway No. 1.
J. Daddysman.
Frostburg Big Vein Coal Company.
George's Creek Clean Coal Company.
J. O. J. Greene Coal Company.
Green's Coal Company.
Little Pittsburgh Coal Company.
Piedmont and George's Creek Coal Company, Washington No. 2.
Piedmont and George's Creek Coal Company, Bowery Furnace
No. 1.
Schramm & Davis, Potomac Mine.
Sullivan Bros., Coal Company, No. 1.
Wilkinson & Sons.

Garrett County

Aberdeen Coal Company.
Billmeyer Coal Company.
Cass Coal Company.
Garrett County Coal and Mining Company, Dodson Nos. 1, 3, 6, 7.
George Hoover.
McKanwig Coal Company, Nethkin Mine.
R. A. Miller.
Morgart Coal Mining Corporation.
Pendergast & Ashby, Pendergast Mine.
Potomac River Coal Company.
Stanton George's Creek Coal Company.
Tri-State Consolidated Coal Company.

**TABLE OF MINE INSPECTIONS
ALLEGANY COUNTY
FOR CALENDAR YEAR 1924**

Date.	Name of Company and Mine.	Town.	Inspector.
January	2—Consolidation Mine No. 11.....	Pumping Shaft	Powers
"	3—Franklin Coal Co.....	Franklin	Watkins
"	3—George's Creek C. M. Co., Jackson Mine.....	Lonaconing	Powers
"	4—Donald Coal Co., Phoenix Mine.....	Phoenix	Watkins
"	7—Mt. Savage Fuel Co., Newtown Mine.....	Mt. Savage	Powers
"	9-10—Consolidation Coal Co., No. 9 Mine.....	Frostburg	Powers
"	11-14—Mt. Savage-George's Creek Coal Co., No. 1.....	Barton	Powers
"	14—Moscow-George's Creek Mining Co., No. 2.....	Barton	Watkins
"	15—Clair Coal Company, Burtner No. 6.....	Gannous	Watkins
"	16—Brydon Bros. Coal Corp., Caledonia.....	Barton	Powers
"	16—Caledonia Coal Co., Big Vein Mine.....	Barton	Watkins
"	17—George's Creek Coal Co., Inc., No. 2 Tyson.....	Lonaconing	Powers
"	17—Piedmont & George's Creek Coal Co., Wash- ton No. 1 Mine.....	Franklin	Watkins
"	18—Annan & Jeffries Coal Co., Union No. 1.....	Zihlman	Powers
"	22-23—Consolidation Coal Co., No. 1.....	Midland	Powers
"	24—Consolidation Coal Co., No. 16.....	Brown Shaft	Powers
"	25—Midlothian Coal Co., Midlothian Mine.....	Midlothian	Powers
"	28—Mt. Savage Mining Co., Liberty Mine.....	Mt. Savage	Powers
"	29—Consolidation Coal Co., No. 12.....	Shaft	Powers
"	30—Piedmont & George's Creek Coal Co., Wash- ington No. 5 Mine.....	Franklin	Watkins
"	31—Hampshire Big Vein Coal Co., No. 1.....	Reynolds	Watkins
"	31—Consolidation Coal Co., No. 7.....	Lord	Powers
February	1—C. J. Rowé & Bros. Coal Mines, Inc., Parker Mine	Barrellville	Powers
"	8—Arcadia Coal Co.....	Barton	Watkins
"	11—Marva Coal Co., Pine Hill Mine.....	Lonaconing	Powers
"	11—West Va. Pulp & Paper Co., Devon No. 2.....	Luke	Watkins
"	12—North Maryland C. M. Co., Montell.....	Vale Summit	Powers
"	13—Consolidation Coal Co., No. 3.....	Hoffman	Powers
"	18-21—Consolidation Coal Co., No. 10.....	Eckhart Mines	Powers
"	19—Donald Coal Co.....	Phoenix	Watkins
"	19—Braller Mining Co., Bald Knob Mine.....	Mt. Savage	Powers
"	25—Consolidation Coal Co., No. 13.....	Frostburg	Powers
"	25—Hoffa Bros. Coal Co.....	Phoenix	Watkins
"	26—Chapman Coal Co., Swanton Mine.....	Barton	Watkins
"	26—George's Creek Coal Co., Inc., No. 4.....	Lonaconing	Powers
"	27—Consolidation Coal Co., No. 4.....	Eckhart Mines	Powers
"	28—George's Creek C. M. Co., Jackson.....	Lonaconing	Powers
"	28—Piedmont & George's Creek Coal Co., No. 1.....	Franklin	Watkins
"	29—Allegheny Coal Co., Tacoma, No. 4.....	Franklin	Watkins
March	3—Chapman Coal Co., Swanton Big Vein.....	Barton	Watkins
"	3—Piedmont & G. C. Coal Co., Bowery Fur- nace No. 2.....	Midlothian	Powers
"	4—McNitt Coal Co., McNitt No. 2.....	Midlothian	Powers
"	5—Sullivan Bros. Coal Co., No. 1.....	Eckhart	Powers
"	7—Koontz Coal Co., McKee No. 2.....	Lonaconing	Powers
"	7—Koontz Coal Co., McKee No. 2.....	Lonaconing	Watkins
"	10-11—Mt. Savage & George's Creek Coal Co., No. 1	George's Creek	Powers
"	12—Sullivan Bros. Coal Co., No. 3.....	Clarysville	Powers
"	13—Mt. Savage Fuel Co., Newtown Mine.....	Mt. Savage	Powers
"	14—Consolidation Coal Co., No. 11.....	Pumping Shaft	Powers
"	17—Annan & Jeffries Coal Co., Union No. 2.....	Zihlman	Powers
"	18—George's Creek Coal Co., Inc., No. 3.....	Lonaconing	Powers
"	19—C. O. Workman, Workman Mine.....	Frostburg	Powers
"	28—Arcadia Coal Co., Arcadia Mine.....	Barton	Watkins
"	31—Consolidation Coal Co., No. 7.....	Lord	Powers
April	7—West Virginia Pulp & Paper Co., Devon No. 2	Luke	Watkins
"	8—Hampshire Big Vein Coal Co., No. 1.....	Reynolds	Watkins
"	9—Piedmont & George's Creek Coal Co., Wash- ington No. 1.....	Franklin	Watkins
"	10—Piedmont & George's Creek Coal Co., Wash- ington No. 5.....	Franklin	Watkins

TABLE OF MINE INSPECTIONS—Continued
ALLEGANY COUNTY
FOR CALENDAR YEAR 1924

Date.	Name of Company and Mine.	Town.	Inspector.
April	14—Mt. Savage Mining Co., Liberty Mine.....	Mt. Savage	Powers
"	15-17—Consolidation Coal Co., No. 9.....	Frostburg	Powers
"	18—Maryland Coal Co., Big Vein Mine.....	Lonaconing	Powers
"	23—George's Creek Coal Co., Inc., No. 2 Tyson.....	Lonaconing	Powers
"	23—George's Creek Coal Co., Inc., No. 2 Big Vein.....	Lonaconing	Powers
"	24—George's Creek Coal Co., Inc., No. 4.....	Lonaconing	Powers
"	30—North Maryland C. M. Co., Montell.....	Vale Summit	Powers
May	1—Annan & Jeffries Coal Co., Union No. 2.....	Zihlman	Powers
"	2—Union Mining Co., Union No. 3.....	Mt. Savage	Powers
"	8—Consolidation Coal Co., No. 16.....	Brown Shaft	Powers
"	9—Donald Coal Co.....	Reynolds	Watkins
"	14—Piedmont & George's Creek Coal Co., Wash- ington No. 1.....	Franklin	Watkins
June	2—Brailer Mining Co., Bald Knob Mine.....	Mt. Savage	Powers
"	3—Brydon Bros. Coal Corp., Caledonia.....	Barton	Watkins
"	10—Consolidation Coal Co., No. 3.....	Hoffman	Powers
"	13—Piedmont & George's Creek Coal Co., Bowery Furnace No. 2.....	Midlothian	Powers
"	16—Mt. Savage Fuel Co., Newtown Mine.....	Mt. Savage	Powers
"	23—Sullivan Bros. Coal Co., No. 3.....	Clarysville	Powers
"	24—Mt. Savage-George's Creek Coal Co., No. 1.....	George's Creek	Powers
"	26—D. A. Benson.....	Zihlman	Powers
"	30—Consolidation Coal Co., No. 10.....	Eckhart Mines	Powers
July	22—Annan & Jeffries Coal Co., Union No. 2.....	Zihlman	Powers
"	29—Consolidation Coal Co., No. 9.....	Frostburg	Powers
"	30—Sullivan Bros. Coal Co., No. 3.....	Clarysville	Powers
August	1—Mt. Savage Mining Co., Liberty Mine.....	Mt. Savage	Powers
"	5—Maryland Coal Co., Big Vein Mine.....	Lonaconing	Powers
"	6—George's Creek Coal Co., No. 2.....	Lonaconing	Powers
"	7—George's Creek Coal Co., No. 4.....	Lonaconing	Powers
"	7—Brydon Bros. Coal Corp., Caledonia.....	Barton	Watkins
"	8—Brailer Mining Co., Bald Knob Mine.....	Mt. Savage	Powers
"	12—Consolidation Coal Co., No. 3.....	Hoffman	Powers
"	12—Donald Coal Mines, Inc., Donald Mine.....	Phoenix	Watkins
"	13—Mt. Savage & George's Creek Coal Co., No. 1....	George's Creek	Powers
"	14—Consolidation Coal Co., No. 16.....	Brown Shaft	Powers
"	14—Chapman Coal Mining Co., Swanton.....	Barton	Watkins
"	18—Piedmont & George's Creek Coal Co., Bowery Furnace No. 2.....	Midlothian	Powers
"	19—Koontz Coal Co., McKee No. 2.....	Lonaconing	Powers
"	25—Campbell Coal Co., Hampshire Mine.....	Reynolds	Watkins
"	25—Brailer Mining Co., No. 1.....	Mt. Savage	Powers
"	27—Hoffa Bros. Coal Co.....	Phoenix	Watkins
"	28—Mt. Savage Fuel Co., Newtown Mine.....	Mt. Savage	Powers
"	29—George's Creek C. M. Co., Sonny No. 1.....	Lonaconing	Powers
September	2—Burtner Coal Mining Co., No. 6.....	Gannons	Watkins
"	8—Piedmont & G. C. Coal Co., Washington No. 5.....	Franklin	Watkins
"	11—Piedmont & G. C. Coal Co., Washington No. 1.....	Franklin	Watkins
"	12—Arcadia, Coal Co., Arcadia Mine.....	Barton	Watkin
"	15—Westernport Coal Co., No. 1.....	Franklin	Watkins
"	15-16—Consolidation Coal Co., No. 10.....	Eckhart	Powers
"	16—Chapman Coal Co., Swanton Big Vein.....	Barton	Watkins
"	22—George's Creek Coal Mining Co., No. 3.....	Lonaconing	Powers
"	26—C. O. Workman, Workman Mine.....	Frostburg	Powers
"	29—Chapman Coal Co., Swanton Big Vein.....	Barton	Watkins
"	30—McNitt Coal Co., McNitt No. 2.....	Midlothian	Powers
October	1—Annan & Jeffries Coal Co., Tyson No. 2.....	Zihlman	Powers
"	3—Sullivan Bros. Coal Co., No. 3.....	Clarysville	Powers
"	3—Sullivan Bros. Coal Co., No. 3.....	Clarysville	Watkins
"	7—Howard & Maybury Coal Co., Kern Mine.....	Reynolds	Watkins
"	8—Arch Michael Coal Co.....	Reynolds	Watkins
"	9—Donald Coal Co., Phoenix.....	Phoenix	Watkins
"	10—Moscow George's Creek Mining Co., Bakers- town Mine.....	Barton	Watkins

TABLE OF MINE INSPECTIONS—Continued
ALLEGANY COUNTY
FOR CALENDAR YEAR 1924

Date.	Name of Company and Mine.	Town.	Inspector.
October	13—Big Vein Coal Co. of Lonaconing, Castle Run Mine	Lonaconing	Powers
"	14—Consolidation Coal Co., No. 3	Hoffman	Powers
"	16—Consolidation Coal Co., No. 16	Browns Shaft	Powers
"	20—Maryland Coal Co., Big Vein	Lonaconing	Powers
"	21—Union Mining Co., Union No. 3	Mt. Savage	Powers
"	23—George's Creek C. M. Co., Sonny No. 1	Lonaconing	Powers
"	24—Mt. Savage Mining Co., Liberty Mine	Mt. Savage	Powers
"	27—Arcadia Coal Co., Arcadia Mine	Barton	Watkins
"	30—Mt. Savage Mining Co., Liberty Mine	Mt. Savage	Powers
November	31—Marva Coal Co., Marva Mine	Lonaconing	Powers
"	3—C. O. Workman, Workman Mine	Frostburg	Powers
"	6-7—Mt. Savage George's Creek Coal Co., No. 1	George's Creek	Powers
"	7—Hoffa Bros. Coal Co.	Phoenix	Watkins
"	10—Piedmont & George's Creek Coal Co., Bowery Furnace No. 2	Midlothian	Powers
"	10—Burtner Coal Mining Co., No. 6	Gannon	Watkins
"	12-13—Consolidation Coal Co., No. 9	Frostburg	Powers
"	24—George's Creek Coal Co., Inc., No. 2 Big Vein	Lonaconing	Powers
"	25—Mt. Savage Fuel Co., Newtown	Mt. Savage	Powers
December	26—George's Creek Coal Co., Inc., No. 4	Lonaconing	Powers
"	3—McNitt Coal Co., McNitt No. 2	Midlothian	Powers
"	3—Campbell Coal Co., Hampshire	Reynolds	Watkins
"	5—Chapman Coal Co., Swanton	Barton	Watkins
"	5—Kooz Coal Co., McKee No. 2	Lonaconing	Powers
"	8-9-10-11—Consolidation Coal Co., No. 10	Eckhart	Powers
"	9—Piedmont & G. C. Coal Co., Washington No. 1	Franklin	Watkins
"	11—Westernport Coal Co., No. 2	Franklin	Watkins
"	15—Sullivan Bros. Coal Co., No. 3	Clarysville	Powers
"	16—Piedmont & G. C. Coal Co., Washington No. 5	Franklin	Watkins
"	16—Maryland Coal Co., Kingsland Big Vein	Lonaconing	Powers
"	18—Big Vein Coal Co. of Lonaconing, Castle Run Mine	Lonaconing	Powers
"	30—Donald Coal Mines, Inc., Donald Mine	Phoenix	Watkins

TABLE OF MINE INSPECTIONS—Continued
GARRETT COUNTY
FOR CALENDAR YEAR 1924

Date.	Name of Company and Mine.	Town.	Inspector.
January	2—W. D. Althouse & Co., Georgian Mine.....	Gorman	Watkins
"	7-8—R. J. Ross Coal Mines, Inc., No. 2 Bakerstown	Bloomington	Watkins
"	10—Hamill Coal and Coke Co., 1 & 2 Hamill.....	Kitzmilller	Watkins
"	15—Meyers Coal Co., Beachy Mine.....	Grantsville	Powers
"	22—R. J. Ross Coal Mines, Inc., No. 6.....	Bloomington	Watkins
"	23-24-25—Davis Coal & Coke Co., No. 42.....	Kempton	Watkins
"	23—Blaine Mining Co., North America Mine.....	Potomac Manor	Watkins
"	23—Manor Coal Co., Clarion No. 2.....	Vindex	Watkins
February	4—Potomac Valley Coal Co., Peerless Mine.....	Kitzmilller	Watkins
"	12—Wolf Den Coal Co., Inc., Wolf Den 1 & 2.....	Shallmar	Watkins
"	13—W. D. Althouse & Co., Georgian Mine.....	Gorman	Watkins
"	21—Hamill Coal & Coke Co., No. 2 Freeport.....	Kitzmilller	Watkins
"	22—Bloomington Coal Co., No. 3.....	Bloomington	Watkins
"	27—Standard Coal Co., Standard No. 1.....	Vindex	Watkins
March	4-10-11—Davis Coal & Coke Co., No. 42.....	Kempton	Watkins
"	15—Manor Coal Co., No. 1.....	Vindex	Watkins
"	17-20—R. J. Ross Coal Mines, Inc., No. 2 Bakerstown..	Bloomington	Watkins
"	26—R. J. Ross Coal Mines, Inc., No. 6.....	Bloomington	Watkins
"	26—R. J. Ross Coal Mines, Inc., No. 5.....	Bloomington	Watkins
"	26-27—Bloomington Coal Co., No. 4.....	Bloomington	Watkins
April	15—Manor Coal Co., Clarion No. 2.....	Vindex	Watkins
"	18—Blaine Mining Co., North American Mine.....	Potomac Manor	Watkins
May	7—W. D. Althouse & Co., Georgian Mine.....	Gorman	Watkins
"	15-16—Davis Coal & Coke Co., No. 42.....	Kempton	Watkins
June	2—Hamill Coal and Coke Co., Hamill No. 2.....	Kitzmilller	Watkins
"	4—General Construction Co., Shaft.....	Oakland	Watkins
"	5—Bloomington Coal Co., Bloomington No. 4.....	Bloomington	Watkins
"	5—R. J. Ross Coal Mines, Inc., No. 5.....	Frog Hollow	Watkins
"	5—R. J. Ross Coal Mines, Inc., No. 6.....	Frog Hollow	Watkins
July	24—Wolf Den Coal Company, Inc., Nos. 1 & 2.....	Shallmar	Watkins
"	25—Hamill Coal & Coke Co., No. 2 Freeport.....	Kitzmilller	Watkins
"	29-30—Davis Coal & Coke Co., No. 42.....	Kempton	Watkins
"	31—Campbell Coal Co., Franklin Mine.....	Gannons	Watkins
August	1—Bloomington Coal Co., No. 4.....	Bloomington	Watkins
"	4—W. D. Althouse & Co., Georgian Mine.....	Gorman	Watkins
"	5-6—R. J. Ross Coal Mines, Inc., No. 2 Bakerstown..	Bloomington	Watkins
"	6—R. J. Ross Coal Mines, Inc., No. 7.....	Bloomington	Watkins
"	8—Hamill Coal & Coke Co., 1 & 2 Hamill.....	Kitzmilller	Watkins
"	13—Blaine Mining Co., North American Mine.....	Potomac Manor	Watkins
"	19—Standard Coal Co., Standard No. 1.....	Vindex	Watkins
"	26—Manor Coal Co., Manor No. 1.....	Vindex	Watkins
September	10—Manor Coal Co., Clarion No. 2.....	Vindex	Watkins
"	19—R. J. Ross Coal Mines, Inc., No. 6.....	Frog Hollow	Watkins
"	22-23-24-25—Davis Coal & Coke Co., No. 42.....	Kempton	Watkins
"	30—Bloomington Coal Co., Bloomington No. 4.....	Bloomington	Watkins
October	1—Hamill Coal & Coke Co., Freeport No. 2.....	Kitzmilller	Watkins
"	2—McKanwig Coal Co., Nethkin Mine.....	Bayard, W. Va.	Watkins
"	6—Earl Fazenbaker Coal Co., Fazenbaker Mine.....	Westernport	Watkins
"	8—Ezra Michaels Coal Co., Ezra Michaels Mine.....	Reynolds	Watkins
"	16—McCullough Coal Corp., McCullough No. 1.....	Friendsville	Powers
"	22—Wolf Den Coal Co., Inc., Wolf Den 1 & 2.....	Shallmar	Watkins
"	23—W. D. Althouse & Co., Georgian Mine.....	Gorman	Watkins
"	24—Standard Coal Co., Standard No. 1.....	Vindex	Watkins
"	24—Hamill Coal & Coke Co., Trout Mine.....	Vindex	Watkins
"	30—R. J. Ross Coal Mines, Inc., Bakerstown No. 2..	Bloomington	Watkins
November	3—R. J. Ross Coal Mines, Inc., Bakerstown No. 2..	Bloomington	Watkins
"	4—Yough Coal Co., Yough Mine.....	Crellin	Watkins
"	6—Manor Coal Co., Manor No. 1.....	Vindex	Watkins
"	12—R. J. Ross Coal Mines, Inc., No. 6.....	Bloomington	Watkins
"	17-18-19—Davis Coal & Coke Co., No. 42.....	Kempton	Watkins
"	24—Hamill Coal & Coke Co., Nos. 1 & 2 Hamill.....	Kitzmilller	Watkins
"	28—General Construction Co., Tunnel & Shaft.....	Deep Creek	Watkins
December	2—Blaine Mining Co., North American Mine.....	Potomac Manor	Watkins
"	4—W. D. Althouse & Co., Georgian Mine.....	Gorman	Watkins
"	10—W. D. Althouse & Co., Georgian Mine.....	Gorman	Watkins
"	15—Hamill Coal & Coke Co., No. 2 Freeport.....	Kitzmilller	Watkins
"	17—Manor Coal Co., Clarion No. 2.....	Vindex	Watkins
"	18—Bloomington Coal Co., No. 4.....	Bloomington	Watkins
"	31—Moscow-George's Creek Mining Co., Pecal Mine	Moscow	Watkins

FATAL ACCIDENTS

ALLEGANY COUNTY, 1924

On April 18, 1924, Mr. John Spurno, a miner employed by The Consolidation Coal Company, Mine No. 10, Eckhart Mines, Maryland, was fatally injured by a fall of roof which killed him instantly. Mr. Spurno was working in third right heading off fourth left with Mr. Joseph Metz, and had loaded a car and while running it out of their place it jumped the track, knocking out several sets of timbers. They had the car on the track when the driver came for it, and he, seeing the condition of the roof, called Mr. Spurno's attention to it, telling him to stay away until it was timbered as he would not go under it with any more cars until it was timbered. Mr. Spurno said he would repair the track and set the timber and instead of making himself safe by setting the timbers, he proceeded to repair the track when the roof gave way, killing him instantly.

This accident could have been avoided if the victim had been more careful and notified the proper authorities about the condition of the place after the timbers were knocked out.

Time of Accident—About 10:45 A. M., April 18, 1924.

Time of Inspection—3:30 P. M., April 18, 1924.

Accompanied by Frank Williams, Mine Foreman,
and Company Engineers, James Close, John Hartig
and Thomas Powell.

Mr. Spurno is survived by a widow and 5 children.

Inspector—Frank T. Powers.

GARRETT COUNTY, 1924

On March 17, 1924, Mr. Howard D. Butts, a laborer, employed by the Plymouth Coal Mining Company, of Gorman, Md., was instantly killed by a shot which he had placed in the coal. Three men were all that were employed in the mine at this time, Mr. D. J. Butts, father of the young man killed, and Roy Butts, superintendent of the mine, a brother of deceased. They were cleaning up the mine heading and pumping the water from the mine. At the time of the accident Howard Butts was loading coal for the boiler house and he came out of the mine and prepared a shot, taking 1½ sticks of Monobel, 21½ ft. fuse and cap. At this time D. J. Butts called to him and told him that he wanted some help to raise a pipe line. The young man answered saying that he would give him a lift when he had fired the shot. It was only a short time until Mr. D. J. Butts heard the shot go off. After several minutes Mr. D. J. Butts, thinking that he had stopped to clean the coal, went in after him and found his body lying across the track, seven feet from the shot. (To all appearances the unfortunate man must have walked back on the shot after

FATAL ACCIDENTS—

Date	Name of Company	Name of Person Injured	Occupation	Age
April 18	Consolidation Coal Co.	John Spurno	Miner	48

FATAL ACCIDENTS—

Date	Name of Company	Name of Person Injured	Occupation	Age
March 17	Plymouth Coal Mining Co.	Howard D. Butts	Laborer	17
June 30	Davis Coal & Coke Co.	Henry V. Dilgard	Miner	23
Aug. 11	R. J. Ross Coal Mines, Inc.	Howard Sampson	Motorman	29
Sept. 17	McCullough Coal Corp.	Michael Grabel	Brakeman	25
Oct. 20	Davis Coal & Coke Co.	Herbert Lee Keller	Miner	43
Nov. 7	Blaine Mining Co.	Frank Paldere	Miner	22
Nov. 17	Manor Coal Company	Walter Riley Kimmel	Driver	....
Dec. 5	R. J. Ross Coal Mines, Inc.	William Tichnell	Miner	28

ALLEGANY COUNTY, 1924

Married or Single	No. in Family	Nationality	Residence	Cause of Accident Nature and Extent of Injury
Married	5	Austrian	Frostburg	Was repairing track where timbers had been knocked out by car, before re-setting timbers. Roof fell, killing him instantly.

GARRETT COUNTY, 1924

Married or Single	No. in Family	Nationality	Residence	Cause of Accident Nature and Extent of Injury
Single	---	American	Gorman	Had prepared shot in face of main heading, using 1½ sticks of Monabel, 2½-ft. safety fuse and detonator. Went back on shot after he had lighted it.
Married	---	American	Kempton	Instantly killed by a fall of breast coal while working on night shift.
Married	1	American	Piedmont, W. Va.	Motor ran upon a small fall of rock, crushing the motorman between the roof and the motor.
Married	---	American	Friendsville	Fatally injured by being caught between top of motor and roof.
Married	---	American	Kempton	Was riding on front end of motor, which turned into switch and caught deceased as he was attempting to leave the motor.
Single	---	Italian	Kitzmiller	Was loading out machine cuttings when piece of coal broke loose and rolled over, catching deceased between side of car and lump of coal, causing fracture of skull and other injuries.
Married	---	.....	Vindex	Was drawing pillars and had started to put in mining when a small piece of middle rock fell, striking him on top of head.
Married	---	American	Barnum, W. Va.	Was in miner's place waiting for miner to finish loading car when piece of rock fell, breaking deceased's leg. Accident occurred October 23. Deceased developed pneumonia and died November 17, 1924.
Married	---	American	Barnum, W. Va.	Was mining when a piece of rock fell, striking him on back.

he had lighted it thinking that it was not going to go off). The use of electric blasting caps would have prevented this accident.

Name of Injured—Howard D. Butts.
 Time of Accident—1:45 P. M., March 17, 1924.
 Time of Inspection—9:50 A. M., March 19, 1924.
 Nationality—American.
 Age—17 years 4 months.
 Married—No.
 Time of Death—1:45 P. M., March 17, 1924.
 Cause of Death—Top of head blown off.
 Inspector—John B. Watkins.

Henry V. Dilgard, a miner working in No. 10 room in D. 5 heading, No. 42 Mine of the Davis Coal and Coke Company, was instantly killed by breast coal June 30, 1924, at 11:15 P. M. Mr. Dilgard was working on the night shift and had completed the loading of his coal for the night and, from evidence gathered, was cleaning some slate from the coal when the top part of the seam gave way, killing him instantly. Mr. James Wilkins, who was working in No. 11 room, said that he heard the fall of the coal but thought Mr. Dilgard was pulling it down; when he went into the place about ten minutes later he found him dead.

Name of Injured—Henry V. Dilgard.
 Time of Accident—11:15 P. M., June 30, 1924.
 Nationality—American.
 Age—23 years.
 Married—Yes.
 Time of Death—Instantly.
 Time of Inspection—1:30 P. M., July 2, 1924.
 Accompanied by Supt. Walter Iman and Mine Foreman Oscar Wolfe.
 Inspector—Frank T. Powers.

On August 11, 1924, Howard Sampson, a motorman employed by the R. J. Ross Coal Mines, Inc., in No. 2 Bakerstown Mine, opposite Bloomington, Md., was seriously injured and died before he could be taken from the motor. Mr. Sampson had been employed as motorman at the No. 2 Bakerstown Mine for two years.

Mr. Sampson ran his motor into third left and gathered a trip of loaded cars. Having gathered the trip of 19 loaded cars he started out of the heading and at the mouth of No. 7 room third left, the locomotive ran up on a small fall of rock which had fallen from the roof (after the locomotive had gone up the heading). When the locomotive struck the rock on the track, the front end of the locomotive went up on the rock which caused the motor to strike the roof with great force, causing the death of the unfortunate motorman.

Statement by Wm. F. Kight, Brakeman on the locomotive: "We were up in third left about 10 minutes gathering the loads. We pushed the loads from No. 9 room back to No. 11 room; at this point

we had our trip. We then pulled down to No. 10 room where the reel cable was taken from the trolley wire and the trolley pole was put on the wire."

Size of fall, 13 inches thick on one side, 7 inches thick on other, and 30 inches wide, extended across the road way for 9 feet, at some points it was very thin.

Time of Accident—12:15 P. M., Aug. 11, 1924.

Name of Injured—Howard Sampson.

Nationality—American.

Age—29 years.

Married—Yes.

Children—One.

Residence—Piedmont, W. Va.

Time of Inspection—1:55, August 11, 1924.

Accompanied by J. P. Guy, Mine Foreman, Luther Evans, Mine Foreman and John Guy, dayman.

Inspector—John B. Watkins.

Mr. Michael Grabel, a brakeman employed by the McCullough Coal Corporation, in No. 1 Mine at Friendsville, Md., was fatally injured by being caught between the top of a motor and the roof. Mr. Grabel was riding on the front end of the motor, according to statements made by the motorman, Mr. Stanley Friend, and the trip was out of control, and when nearing the empty shute to first North heading, a rail turned out, turning the trip into the empty shute which is used for placing empty cars for first North heading. There was a door across the entrance. From the statements of the motorman, Mr. Friend, it appears that Mr. Grabel seeing the door, made an attempt to get off but was caught between the top of the motor and the roof. There were two re-railers on the top of the motor which were 4 inches high. The motor came to a stop 95 feet from the switch it turned into and the body rolled off. This motor was still on the track and there was a very good grade.

This unfortunate accident could have been avoided if the brakeman had been riding his trip, and under any circumstances should not have been riding the front end of a motor coming out with a loaded trip.

Time of Accident—12 M., September 17, 1924.

Name of Injured—Michael Grabel.

Nationality—American.

Age—25 years.

Married—Yes.

Residence—Friendsville, Md.

Inspector—Frank T. Powers.

On October 20, 1924, Mr. Herbert Lee Keller, a miner employed by the Davis Coal and Coke Company, in Mine No. 42, Kempton, was fatally injured and instantly killed. Mr. Keller was loading out the machine cutting when a piece of coal broke loose and rolled over, catching the unfortunate man between the side of the car and the

lump of coal, causing a multiple fracture of the skull, laceration of the left side of head, with fracture, abrasion to right cheek, small laceration to right eyelid, contusion to right arm and right side of back.

Time of Accident—9:00 A. M., October 20, 1924.
 Name of Injured—Herbert Lee Keller.
 Nationality—American.
 Age—43 years.
 Married—Yes.
 Residence—Kempton.
 Inspector—John B. Watkins.

On November 6, 1924, Frank Paldero, a miner employed by the Blaine Mining Company, Potomac Manor, W. Va., was fatally injured and as a result of these injuries died November 7, 1924. He, with others, were drawing pillars and had crossed an old cross-cut, had timbered the mouth of the cross-cut and started to mine when a piece of rock in the cross-cut fell. As the miner was working left-handed and was sitting at the corner of the cross-cut, the edge of the rock struck him on the top of the head. As the rock struck him, a small piece broke off, 19 inches long, 21 inches wide and 5½ inches thick. Had the man been one foot farther in the room the rock would not have struck him.

Time of Accident—12 M., November 6, 1924.
 Date of Death—November 7, 1924.
 Name of Injured—Frank Paldero.
 Nationality—Italian.
 Age—22 years.
 Married—No.
 Residence—Kitzmilller, Md.
 Inspector—John B. Watkins.

On October 23, 1924, Walter Riley Kimmel, a driver employed by the Manor Coal Company, Mine No. 1, Vindex, Maryland, was injured and died November 17, 1924.

Mr. Kimmel was in a miner's place waiting for the miner to finish loading his car, when a piece of rock fell. He was attempting to get out of the way when it struck him causing a compound fracture of the left leg. The accident occurred at 10:00 A. M. Mr. Yokum, the Foreman, who was in the room when this happened, had him taken to the shop on the outside. Dr. Hugh Strachen was called immediately and was in attendance within forty minutes.

Mr. Kimmel was kept in the Company office until time to take him to Chaffee, W. Va., where he was placed upon the Western Maryland passenger train and taken to the Western Maryland Hospital, Cumberland, Md. He was in this Hospital several days before pneumonia developed. Dr. Strachen of Blaine, W. Va., states that Mr. Kimmel was tubercular and was low in vitality. Owing to these

conditions there is no doubt but that the fracture was the direct cause of pneumonia.

Time of Accident—10:00 A. M., October 23, 1924.
 Date of Death—November 17, 1924.
 Name of Injured—Walter Riley Kimmel.
 Married—Yes.
 Nationality—American.
 Inspector—John B. Watkins.

On December 4, 1924, William Tichnell, a miner employed by the R. J. Ross Coal Mines, Inc., was injured from which injury he died December 5, 1924.

The deceased was mining when a piece of rock fell striking him on the back. His brother, Mr. P. C. Tichnell, was working with him, and he rolled the rock off and got him out from under it. Mr. P. C. Tichnell makes the statement that he had examined the place 15 minutes before the rock fell and it was solid. Five minutes before the fall he asked his brother, the deceased, to sound it again which he did; it sounded all right and he once more started to mine when it fell. The last man to examine the roof at this point was the unfortunate victim.

Time of Accident—1:00 A. M., December 4, 1924.
 Date of Death—December 5, 1924.
 Name of Injured—William Tichnell.
 Nationality—American.
 Age—28 years.
 Married—Yes.
 Residence—Barnum, W. Va.
 Inspector—John B. Watkins.

Of the nine fatal accidents which occurred during the calendar year 1924, one was due to the use of explosives, two were haulage accidents and six were due to falls of roof and sides. The explosive accident occurred in a small mine employing less than ten men and not under the jurisdiction of the inspection service except so far as statistics of production and of accidents are concerned. Had electric shot-firing been employed in all probability this accident would not have happened.

Of the two haulage accidents, one occurred to a brakeman who was riding on the front end of a locomotive which is contrary to safe mining practice; the other haulage accident was occasioned by the motor running upon a small fall on the roadway which caused the motorman to be crushed between the roof and the top of the haulage motor. This accident is the only one of the entire nine which might be classed as possibly unavoidable.

One of the accidents due to fall of roof resulted fatally several weeks after the accident occurred and was due to pneumonia which

developed after the injury; the injury, a broken leg, should not have resulted fatally had not the injured person developed pneumonia.

With possibly one exception, all of the accidents mentioned above could have been avoided had the deceased used proper care to protect himself. The first accident in the list, occurring April 18, 1924, was the first fatal accident in any of the mines of The Consolidation Coal Company of Maryland in forty-six months of consecutive operation. During this period this Company had 508 non-fatal accidents, the majority of which were of a minor nature. This is a remarkable record and when it is considered that during a portion of this time the mines of this Company experienced a bitter strike of employees, the record is the more remarkable.

As in the previous year, most of the accidents are due to falls of roof and sides and the Bureau is constantly striving to lessen the number of accidents of this sort.

NON-FATAL ACCIDENTS, 1924

Allegany County

ANNAN & JEFFRIES

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Aug. 8	Arthur J. Davis	Miner	27	Married	7	...	American	Frostburg	Fell piece of roof rock.
Aug. 16	Sykeser Davis	Miner	33	Married	21	...	American	Frostburg	Seeking point of safety after lighting shot, strained knee of right leg.
Dec. 9	William Steel	Miner	19	Single	7	...	American	Movrantown	Was pushing car, which jumped track, catching right hand between car and roof.

ARCADIA COAL COMPANY

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Feb. 15	James Bradley	Laborer	21	Single	21	...	American	Barton	Fell from front of moving car and was bruised about the back and hips, the car having gone over his body.
Feb. 21	Lloyd Logsdon	Laborer	28	Married	21	3	American	Barton	A small piece of rock struck his hand while digging, which later turned to blood poisoning.
Mar. 3	William Kyles	Laborer	28	Married	56	4	American	Barton	While throwing sand on a drill belt, the second finger was caught and torn off.
Sept. 9	Kinsley McDowd	Laborer	20	Single	56	5	American	Barton	While working at the mines he fell, breaking his wrist.

BIG VEIN COAL COMPANY OF LONACONING

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Feb. 19	John L. Casey	Superintendent	50	Married	10	4	American	Frostburg	Injured back while lifting car on track.
Nov. 7	John Donald	Miner	23	Single	12	...	American	Lonaconing	Pulling piece of coal from breast, it fell on foot.

BRAILER MINING COMPANY

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 23	Charles Winner	Miner	34	Married	21	3	American	Mt. Savage	Rock from roof fell, striking him on right foot. Right foot sprained and bruised.
Mar. 3	Jos. Barnard	Miner	55	Married	10	5	American	Mt. Savage	Coal from rib fell off, striking him on right leg. Right leg bruised.
June 9	Edw. Skowell	Driver	24	Married	7	2	American	Mt. Savage	Mine car jumped track and caught his right hand against roof. Hand bruised.
Nov. 14	Geo. Crump	Miner	84	Married	10	5	American	Mt. Savage	While setting timbers rock fell from roof, striking him on head and back. Wrenched back.
Nov. 14	Jno. Black	Miner	38	Married	4	8	American	Mt. Savage	While setting timbers rock fell from roof, striking him on back. Bruised on back.

BRYDON BROS. COAL CORPORATION—CALEDONIA MINE

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Feb. 25	James Clerk	Timberman	55	Married	18	4	American	Barton	Was moving prop, caught finger between rock and prop when laying prop down. Mashed finger.
July 19	Jefferson Clark	Miner	24	Single	7	...	American	Barton	Was turning a Tee iron rail around when one end caught behind a prop, and while trying to force it out the rail sprung, striking him on knee cap, bruising and lacerating it.

CAMPBELL COAL COMPANY—HAMPSHIRE MINE

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 23	James Gowans	Driver and Miner	26	Single	10	...	American	Barton	Taking mule to stable, mule slipped and fell on Gowans' foot. Foot bruised and squeezed.
May 19	Joseph P. Inskip	Miner	32	Married	3	...	American	Barton	Bone coal fell on right leg above knee. Leg cut and bruised.
June 6	Jesse Kifer	Miner	57	Married	35	...	American	Pekin	Drawing pillar. Coal, rock and bone fell on left leg, causing compound fracture of same.
June 27	John Robert Clark	Miner	22	Married	21	...	American	Barton	Fall of rock and bone struck him on back, doubling up body and spraining back.
Dec. 26	Arthur Poland	Miner	22	Married	9	9	American	Lonaconing	Throwing lump of coal into car, it struck side of car and stove wrist.

CHAPMAN COAL MINING COMPANY—SWANTON MINE

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
March 30	Robert Russel	Stableman	45	Married	42	6	American	Barton	Thrown from mule and two ribs broken.
Oct. 25	Dennis Lashbaugh	Driver	29	Married	14	3	American	Barton	Was trying to throw a switch with his right foot, which caught in the switch and the empty car rolled up on his foot, spraining and bruising it.
Dec. 27	Russel Kiddy	Miner	22	Married	10	4	American	Barton	A piece of bone coal supposed to have dropped on knee and bruised it.

CONSOLIDATION COAL COMPANY—MINE No. 1

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 7	David Cuthbertson	Driver	23	Single	13	...	American	Lonaconing	Empty car jumped track, and he put wooden rail under it to pull it on; it turned out and the weight of car came on arm. Left arm injured. Trimming a large prop and the axe glanced and cut his big toe. Cut one inch on big toe and also cut an artery.
Jan. 31	Henry Wagus	Laborer	33	Married	8	...	American	Midland	Cut finger on left hand with axe. Cut end of third finger on left hand down to first joint.
Feb. 5	John Spurno	Miner	46	Married	29	5	Polish	Ocean	

CONSOLIDATION COAL COMPANY—MINE No. 3

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Feb. 2	Walter Finley	Laborer	40	Married	3	1	American	Clarysville	Chain hoist, which was holding block of coal, broke and block of coal slipped down over skids, knocking out a skid, which hit him on leg. Upper part of left leg bruised.
Feb. 13	George McGee	Driver	22	Married	6	6	American	Eckhart	Taking 6 empty cars into place and cars bumped on turn, throwing car against him. Squeezed between car and prop.
Feb. 15	Bernard Walsh	Miner	17	Single	8	...	American	Mt. Savage	Shoveling between car and rib, and piece of coal slipped off and caught him between coal and car. Bruised right leg and back. Small cuts and bruised on back.
Feb. 22	William Williams	Miner	43	Married	13	...	American	Hoffman	Lifting empty car on track and strained back. Strained leaders of back.
March 5	Charles E. Robertson	Miner	...	Single	9	...	American	Gilmore	Slip on right and left rib, causing fall of roof coal. Head and face cut.
May 14	Albert Winner	Miner	38	Married	42	6	American	Frostburg	In lifting lump of coal to top of car, slipped on a lump which rolled, causing him to fall backward with lump. Back sprained.
July 16	Harry B. Davis	Inspector	25	Single	7	...	American	Frostburg	Cuff of glove caught on mine car, causing him to fall against car. Ribs bruised.
July 16	George Filer	Miner	44	Married	3	5	American	Frostburg	Caught between car and timber. Left side of chest and ribs bruised.
July 25	Clarence Powens	Miner	37	Married	...	2	American	Frostburg	Hit by lump of coal. Leg broken.
Aug. 6	James Taylor, Sr.	Miner	41	Married	28	4	American	Frostburg	Slipped off tie. Sprained ankle.
Aug. 27	Thomas Kerr	Miner	43	Married	28	6	American	Frostburg	Struck by fall of coal. Back and head injured.
Sept. 3	Emanuel Porter	Miner	55	Married	42	...	American	Eckhart	Digging bottoms, breast and roof gave way, striking him on his back, knocking him down. Back and chest bruised. Two ribs fractured.
Sept. 8	Frank Deansmore	Miner	26	Single	42	...	American	National Gilmore	Rib coal fell off, caught his foot on pavement. Foot bruised and sprained.
Sept. 25	Joseph McGee	Miner	19	Single	14	...	American	Gilmore	Making wood wedge, handle of axe caught in his clothes, causing axe to turn and cut his thumb.
Oct. 16	George Eisentrout	Driver	58	Widower	14	...	American	Eckhart	Pushing empties, slipped and fell, striking his knee against bumper of car.
Oct. 24	Wm. Miller	Miner	39	Married	...	6	American	Lord	His buddies were digging too close to some old timber and an old prop fell out and struck him on the head.
Oct. 28	Joseph Koch	Miner	21	Married	8	...	German	Eckhart	Shoveling, pain struck him between shoulders; claimed he strained himself.
Nov. 20	James McKeel	Miner	50	Married	14	3	American	Lord	Rock fell and knocked old prop out; prop struck him on his hand. Thumb injured.
Dec. 6	Charles Brown	Miner	40	Widower	14	...	American	Frostburg	Struck on back over right kidney with lump of coal. Back injured.
Dec. 13	Joseph W. Brode	Miner	29	Married	42	1	American	Frostburg	Struck on right hand by piece of coal. Bone broken.

CONSOLIDATION COAL COMPANY—MINE No. 4

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 5	John Stewart	Timberman	63	Married	...	4	American	Cumberland	Piece of rock fell, striking him on head and shoulders. Head cut and skull slightly fractured, left shoulder bruised.

CONSOLIDATION COAL COMPANY—MINE No. 7

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
March 11	Steve Leptic	Miner	16	Single	54	...	American	Lord	He was dumping a mine car into the storage bin and when he pulled the car back he had his toe under rail of tippie and the weight of the car on tippie crushed his toe. Big toe crushed, flesh loosened from the base of the nail and top of toe bruised.
June 21	Steve Zavadny	Laborer	44	Married	17	...	American	Lord	Helping to lift dutch cylinder out of pit. Strained back.

CONSOLIDATION COAL COMPANY—MINE No. 9

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 7	Roy Winebrenner	Laborer	29	Married	17	3	American	Zihlman	Dumping car, car did not go up, came back, striking him on left side. One broken rib.
Jan. 24	Lonnice Combs	Miner	22	Married	14	1	American	Westernport	Putting car on track, car slipped, catching hand on rail. First finger on right hand mashed.
Feb. 29	George W. Bander, Sr.	Miner	64	Married	...	1	American	Frostburg	Piece of rock fell out of roof. Went back to break with a hammer and some more fell, striking him on back. Fracture of pelvis bone.
Feb. 25	John M. Purbrough	Miner	32	Married	5	3	American	Corrymansville	Pushing car out of place, slipped and fell, his side striking against rail. One broken rib.
March 10	Roy Winebrenner	Laborer	29	Married	...	3	American	Zihlman	Pushing car and slipped and fell, with his leg under him. Right leg broken just above the knee.
March 20	Olin Skidmore	Miner	39	Married	...	...	American	Zihlman	The car in which he was riding jumped the track, throwing him out, catching him between car and rib. Bruised across shoulders and several ribs fractured.
March 25	Frank Crable	Miner	32	Married	11	5	American	Barton	Was drawing brake on car, pin was out of block; brake came back suddenly, causing his hand to bump against bolt head on end of car. Burst skin on finger of right hand, which later became infected.
May. 5	William Hopkins	Miner	18	Single	12	...	American	Frostburg	Spilled some powder on floor, which in some way became ignited. Hand and fingers burnt.
May 8	Cecil Fresh	Miner	19	Single	18	...	American	Frostburg	Switching car, slipped, striking knee on lump of coal. Knee badly bruised.
June 12	Elias Williams	Brakeman	35	Single	19	...	American	Eckhart	Getting off motor, glove caught on motor, throwing him down and catching his foot between bumper of car and track.
June 18	Mochele Inceci	Miner	36	Married	19	...	Italian	Zihlman	Putting car on track, pry slipped, he fell, striking his side on tie.
June 30	H. Quentin Spiker	Miner	24	Married	14	...	American	Frostburg	Pulling spike out of tie, bar slipped, finger caught between bar and prop.
Aug. 8	Wm. J. Carr	Miner	36	Married	28	4	American	Lonaconing	Pushing loaded car out of place. Breast bone injured.
Aug. 28	Thos. J. Richards	Miner	16	Single	18	...	American	Frostburg	Thumb of right hand pinched between car and lump of coal. Flesh broken on thumb of right hand.
Sept. 4	Wm. Lancaster	Miner	18	Single	7	...	American	Frostburg	Struck his left wrist against his buddy's pick. Left wrist cut.
Oct. 9	Wm. H. Walbert, Jr.	Miner	22	Married	2 mos.	...	American	Frostburg	Dropping empty car into room, the one standing out started out and ran into him, catching his foot between the cars.
Oct. 14	John Kornis	Laborer	29	Married	7	...	American	Wellersburg, Pa.	Wedging big rock, rock slid down, catching his leg between rock and car.
Nov. 12	J. W. Keller	Miner	53	Married	21	6	American	Zihlman	Shoveling coal, sprained his wrist.
Dec. 15	Peter Snyder	Miner	51	Married	35	6	American	Eckhart	Struck by fall of rock, back bruised.
Dec. 15	Gibson Matthews	Miner	22	Married	7	...	American	Pekin	Lifting piece of rock, wrist sprained.
Dec. 17	Joseph Condry	Brakeman	25	Single	14	...	American	Eckhart	Struck on head by piece of rock. Head cut.
Dec. 20	John T. Hart	Miner	63	Married	21	...	American	Frostburg	Axe struck in wedge and turned. Thumb cut.
Dec. 29	Geo. Carella	Miner	39	Married	14	8	Italian	Eckhart	Pushing car, sprained his side.

CONSOLIDATION COAL COMPANY—MINE No. 10

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 5	Russel Miller	Miner	24	Married	10	1	American	Clarysville	Lifting a load on track at switch. Ligaments in back strained and torn.
Jan. 7	Charles Shelley	Laborer	38	Single	78	...	American	Eckhart	Pushing car out of place, car jumped track at switch, catching his hand between top of load and roof. Index finger on right hand mashed off at first joint.
Jan. 30	Albert Stangle	Brakeman	22	Married	3	...	German	Eckhart	Last car on empty trip going to No. 11 Mine jumped track, throwing him out and caught him between roof and car. Right hip bruised.
Feb. 8	Thomas Raynor	Miner	25	Married	44	...	American	Lonaconing	Leveling off top of coal car, piece of rock fell out of roof, bending his arm over car. Right arm broken.
Feb. 18	Howard P. Schombert	Miner	21	Married	14	1	American	Frostburg	He put his foot on the hitching to cut loads and they ran together and caught his ankle. Ankle and foot hurt.
Feb. 27	Fredrick Muller	Blacksmith	38	Married	16	...	German	Eckhart	Cutting off the end of a heated spike bar, the piece flew off and burned and cut his eye.
Feb. 7	John Courriage	Miner	38	Married	38	4	Hungarian	Clarysville	Loading car of coal and a piece of roof rock fell, striking him on head and left hand. Face scratched and left wrist cut.
Feb. 7	Patrick Thomas	Miner	19	Single	6	...	American	Clarysville	Loading car of coal and piece of roof rock fell, striking him on head and face. Face scratched and nose cut.
March 7	Ernest Reah	Miner	35	Married	16	2	American	Eckhart	Was pulling lump of coal over with pick, lump started to roll, striking him on shin of leg. Shin of left leg bruised.
March 14	Roy Beeman	Miner	24	Married	17	1	American	Lonaconing	Was lifting a piece of rock, which broke and fell and caught his right hand between rock and pavement and mashed his second finger.
March 19	Thomas Beeman	Miner	36	Married	...	6	American	Moscow	Was mining coal, slip in rock came out and caught him on head and shoulders. Head bruised, ear cut, shoulders squeezed.
March 19	James Varney	Electrician	24	Single	3	...	American	Frostburg	Was lifting armature out of locomotive with chain hoist; chain hoise came in contact with live wire, causing an arc. Right arm burned at wrist.
March 20	Joseph Fuber	Miner	19	Single	11	...	American	Eckhart	While mining coal slip in rock came loose and fell, striking him on head and shoulders. Head slightly cut, shoulder bruised.
March 28	Anthony Ritchie	Miner	36	Married	19	4	American	Midlothian	Was pushing car and lump of coal broke, causing him to slip and fall against the car. Sixth rib on right side broken.
April 8	Wm. Vogtman	Fireman	52	Married	25	4	American	Frostburg	Cleaning windows in engine room, ladder slipped and he fell on a 4-inch air pipe, fracturing rib.
May 14	Robert Ryan	Miner	17	Single	6 wks.	...	American	Eckhart	A piece of rock fell and hit his thumb of left hand. Thumb bruised.
May 28	Carl Dieck	Miner	44	Married	4 wks.	...	German	Eckhart	Dropping load out of his place when it jumped the track; had his left hand on the brake and caught three of his fingers between brake and prop. Three fingers on left hand injured.
May 31	George Huber	Miner	33	Married	7 dys.	...	American	Eckhart	Pushing empty car, foot slipped, tissues of stomach torn.

CONSOLIDATION COAL COMPANY—MINE No. 10 (Continued)

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
June 10	Vito Allegretti	Miner	25	Married	14	...	Italian	Frostburg	Stumbled on pick, which penetrated his leg.
June 11	Tony Urbas	Miner	45	Married	12	...	Austrian	Yale Summit	Fall of rock. Right thigh bruised.
June 18	Alex. Close	Miner	43	Married	30	...	American	Frostburg	Reached for brake on car, fell against corner of car, fractured two ribs on left side.
June 25	Carl Dieck	Miner	44	Married	2 mos.	...	German	Eckhart	Fall of bone coal. Left leg and ankle bruised.
June 28	James Schombert	Miner	47	Married	26	...	American	Frostburg	Bumped his knee on shovel blade. Left knee bruised.
July 15	Wilmer D. Crowe	Miner	26	Married	11	1	American	Eckhart	Car jumped track, catching his thumb between roof and end-gate of car. Thumb of left hand mashed at first joint.
July 23	John Jones, Jr.	Miner	40	Married	15	5	American	Gilmore	Lifting piece of rock to put it in car, rock broke, catching his wrist on to dof car. Wrist bruised.
July 30	James T. Rowe	Miner	44	Married	...	4	American	Eckhart	Pushing car, foot slipped; car started back, catching his left arm between car and prop. Sprained his hand at the wrist.
July 28	Thomas J. Raynor	Miner	57	Married	31	9	American	Gilmore	Pushing car, car slipped back, catching knee between car and tie. Right knee bruised.
Aug. 13	Sam Sorivano	Miner	44	Married	11	2	Italian	Eckhart	Pushing car, slipped and fell, striking chest against rail on the right side. Right side of chest badly bruised.
Aug. 18	Howard F. Langley	Miner	52	Married	15	10	American	Gilmore	Pushing an empty car, car came back and caught his elbow against the roof and hand against car. Left wrist sprained.
Aug. 19	Frank Lippoli	Miner	30	Married	14	1	Italian	Eckhart	Pushing an empty car around air course switch, riding latch was left open and car went off track, catching his third finger between latch and car. Third finger right hand injured.
Aug. 29	Heindrick Heydron	Miner	33	Married	...	...	German	Eckhart	Shoveling rock, piece fell and hit him on his foot. Left foot badly bruised.
Sept. 17	John Phillips	Miner	49	Married	4	...	American	Frostburg	Caught his hand between car and roof. Palm of left hand bruised.
Oct. 22	James Burke	Miner	23	Single	10	...	American	Eckhart	Hit in eye by piece of breast coal.
Oct. 31	Louis Winebrenner	Miner	42	Married	15	3	American	Sheft	Finger caught between rib and piece of rock. Finger mashed.
Nov. 6	Cecil Tomlinson	Miner	47	Married	8	3	American	Frostburg	In getting out of way of rock, foot slipped and he fell; rock fell on his right hand. Index finger injured.
Dec. 3	Steve Leptic	Miner	17	Single	2 wks.	...	American	Lord	Put his knee down on piece of slate. Knee cap cut.
Dec. 15	Elmer Westow	Miner	19	Single	2 wks.	...	American	Zehlman	Pushing car. Right side sprained.
Dec. 16	Roy Martin	Miner	22	Single	3 wks.	...	American	Eckhart	Left hand caught between car and prop. Fingers injured.
Dec. 19	Geo. H. Beeman	Miner	59	Married	3 wks.	6	American	Lonaconing	Struck by slab of rock. Back, shoulders and hips injured.
Dec. 20	John Marshall	Laborer	54	Married	4 wks.	...	American	Eckhart	Struck on right foot by piece of rock. Foot sprained and bruised.
Dec. 22	Joseph Heas	Miner	18	Single	2 wks.	...	American	Eckhart	Car jumped track, hand caught between roof and brake. Hand injured.

CONSOLIDATION COAL COMPANY—MINE No. 12

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 12	Harry Preston	Miner and Laborer	26	Married	4	...	American	Lonaconing	Cleaning up a place to right No. 11 shaft and was lagging side of place when a small piece slid off the upper rock, striking him on left side of his head. Cut on head about three inches long.
Jan. 30	David Clark	Miner	26	Married	...	1	American	Barton	Loading car, standing on bottom, slipped off with one foot on pavement and other on bottom. Wrenched himself. Strained hips and back.
Feb. 5	Devey Devore	Miner	25	Single	3	...	American	Grahamtown	Piece top coal fell, hitting him on right arm between elbow and hand. Skinned his right arm between elbow and hand.
Feb. 9	Arthur Meek	Driver	31	Married	3	1	American	Frostburg	Standing on front end of car going in when horse stopped and came back against car, catching his right leg between car and horse. Right leg injured.
Feb. 11	Meshick Preston	Miner and Laborer	48	Married	11	4	American	Lonaconing	Scuttling in the top to put up fore pole, piece of slate fell from roof and struck him under eye. Left eye injured.
Feb. 21	Joseph McGee	Miner	18	Single	9	...	American	Gilmore	Loading coal in car, lump of coal rolled over against another lump and caught his middle finger on right hand between lumps. Finger mashed badly.
Feb. 27	William Lewis	Laborer	21	Single	16	...	American	Wash. Hollow	Sharpening wedge with an axe and cut his left thumb about one and one-half inches.
March 17	James Howatt	Laborer	19	Married	6	5	American	Frostburg	Shoveling dirt, cleaning roads, twisted his right knee.
April 15	William Lewis	Laborer	21	Single	10	...	American	Eckhart	Was walking through water and he stepped on board which had a nail in it. Nail penetrated his right foot about one inch.

CONSOLIDATION COAL COMPANY—MINE No. 13

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 4	Albert Winner	Miner	34	Married	10	5	American	Frostburg	He was taking down rock and had wedge in one hand and sledge in other. He hit the wedge, but it looks like the rock was split and the sledge hit his thumb. Thumb mashed and broken.
Jan. 19	Lee Durst	Miner	20	Single	34	...	American	Frostburg	He was putting off shot of Monobel and apparently he got a cartridge of powder instead of dummy. In pushing the cartridge in for dummy fuse from Monobel shot put powder off. Burned about face, small wound in left arm. Right leg injured.
Jan. 25	George Durst	Miner	47	Married	68	9	American	Frostburg	Pushing car into face. He slipped and struck his right knee on a rail. Bruised right knee.
March 26	Santy Caplia	Miner	29	Married	15	1	Italian	Frostburg	Pushing car to face of room, slipped and strained shoulder and side.

CONSOLIDATION COAL COMPANY—MINE No. 16

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 22	William Frost	Miner	31	Married	22	...	American	Midland	Was in act of lifting lump on car and caught finger between lump and frame of car and burst a nail on finger.
Feb. 2	Richard McGann	Miner	36	Married	5	5	American	Lonaconing	Pulling empty car around switch, car jumped track, knocked set of timber out and cross bar fell and caught his thumb between cross bar and frame of empty car. Thumb nail on right hand badly burst, flesh around thumb badly bruised.
Feb. 12	John Bond	Miner	39	Married	...	3	American	Midland	Two loaded cars ran away from top of hill in first right in No. 3 Mine and knocked out three sets of timber, letting roof coal and slate fall on runaway ears. Injured man was in act of cleaning slate in front of loaded cars when slate broke away over head. Head cut, very badly in several places, injured about back and hips. Was in act of cutting prop, had his foot on prop and prop tumbled under his foot when he was in act of cutting and he cut across his left foot, severing ligaments of first three toes.
March 25	John Devlin	Laborer	31	Married	...	...	American	Midland	Helping driver to sprag car, hand caught between sprag and prop. Palm of hand burst. Pin slipped out elastic and rope caught around brake, on ear, which injured left arm. Was slating bottoms and breast rolled out, hitting him on head and neck. Head cut in two places and neck stiffened.
April 10	John Leatherman	Miner	22	Married	21	...	American	National	Fall of rock. Head and left hand badly cut.
April 14	Carl E. Long	Driver	19	Single	...	...	American	National	Foot caught between bumpers of cars.
April 23	Michael Grimes	Miner	44	Married	3	8	American	Ocean	Thumb caught car reverser. Thumb mashed.
June 26	James Campbell	Laborer	46	Married	7 wks.	...	American	Midland	Foot caught between prop and iron brake hanger. Wound on top of right foot.
Oct. 4	George Poland	Miner	46	Married	1 mo.	9	American	Ocean	
Oct. 20	Joseph Rephan	Machinist	46	Married	...	5	American	Eckhart	
Dec. 9	Carl Long	Driver	20	Single	6 wks.	...	American	National	

CONSOLIDATION COAL COMPANY—MISCELLANEOUS

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Feb. ...	B. F. Coughenour	Teamster and Laborer	53	Single	9	...	American	Frostburg	Farm hands were repairing saw mill road. Another man and injured man were hauling rock. Other man misgauged distance and drove into stump, causing stop. Injured man lost balance and struck head. Head and several veins punctured.
March 11	Joseph Powell	Laborer	47	Married	28	8	American	Eckhart	Driver was in front of team, backing empty sled into barn to be loaded with hay, and the tongue of the sled flew up and hit him in the ribs. Two ribs broken.

DONALD COAL MINES, INC.—DONALD MINE

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Feb. 8	W. S. Barnard	Motorman	28	Married	...	4	American	Westernport	While cutting rail, a piece of steel broke and went in arm.
May 24	Raymond Frenzel	Miner	30	Single	6	...	American	Barton	Cutting cap piece for prop and cut third finger.
May 26	Harman Broadwaters	Machine-man	32	Married	...	4	American	Westernport	Tightening friction on machine and ran piece of wire through finger.
June 6	Clark Snyder	Miner	30	Married	7	5	American	Lauder	Wrenched back while going into his place.
July 1	Phillipi Vinc	Miner	37	Married	...	...	Italian	Nikee	Went back in hot smoke.
July 17	William Caster	Miner	37	Married	33	6	American	Westernport	Pushing car out of place, slipped and injured knee.
Aug. 2	J. W. Barnard	Laborer	51	Married	22	3	American	Westernport	Dropping car on rock dump, slipped and car ran over foot.
Aug. 15	James Kirns	Miner	32	Married	11	3	American	Westernport	Moving truck, caught finger between truck body and rail.
Aug. 18	Jonas Kinser	Miner	19	Single	15	...	American	Westernport	Starting motor and got hand burned.
Aug. 22	George Poland	Miner	20	Single	2	...	American	Westernport	Went back on shot too soon after shooting coal.
Aug. 28	Carl Shaffer	Miner	28	Married	25	4	American	Westernport	Running machine extra. Bringing machine out of place and got head caught between rail and roof; sprained neck and squeezed head.
Sept. 3	J. W. Barnard	Laborer	51	Married	30	...	American	Westernport	Dropping car on rock dump; foot slipped and car ran over first toe.
Sept. 8	John Preston	Brakeman	...	Single	14	...	American	Barton	Head light wire got grounded while riding on motor and burned leg.
Oct. 8	Walter Barrick	Miner	24	Married	20	2	American	Piedmont, W. Va.	Taking bone down and piece fell on finger.
Oct. 10	Charles Kight	Miner	20	Single	10	...	American	Reynolds	Bone coal fell and mashing finger; arm hurt.
Dec. 15	J. W. Barnard	Rock Dumper	50	Married	20	3	American	Westernport	Car ran over foot and mashing it.
Dec. 8	Charles Kinser	Dumppman	19	Single	35	...	American	Westernport	Ankle turned over, causing him to fall and hurt back and ribs.

GEORGE'S CREEK BARRELLVILLE COAL COMPANY

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Dec. 17	Charles Scott	Laborer	60	Married	...	...	.....	Zihlman	Was pushing car and slipped on rail. Strained muscle of left leg.

GEORGE'S CREEK COAL COMPANY, INC.—GEORGE'S CREEK No. 2

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
March 13	Adam Byers	Miner	40	Married	11	4	American	Lonaconing	Tripped and fell, hurting his right knee.
July 29	Walter Cutter	Miner	27	Married	...	3	American	Lonaconing	Fall of breast coal. Left hand crushed.
Nov. 8	William R. Miller	Miner	22	Married	...	2	American	Moscow	Lifting loaded mine car on track; sprained back and hurt his kidneys.

GEORGE'S CREEK COAL COMPANY, INC.—GEORGE'S CREEK No. 4

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
March 4	John A. Metz	Miner	44	Married	14	4	American	Lonaconing	Was running loaded car out of his working place, catching his right hand against car and rock, bruising two of his fingers.
March 6	Samuel Green	Miner	50	Married	80	4	American	Lonaconing	Was kneeling when he was loading car and in getting up twisted and wrenched his back and right knee.
April 12	James L. Moffatt	Miner	24	Married	12	4	American	Lonaconing	Fall of draw rock. Bruised right side of body.
April 24	Andrew S. Brody, Jr.	Miner	25	Married	28	2	American	Lonaconing	Pushing mining cars, sprained his intestines.
June 3	Carl Hausrath	Miner	20	Single	14	....	American	Gillmore	Making a powder cartridge, carbide lamp fell and ignited powder, burning four fingers on his right hand.
July 22	Troxel Warnick	Miner	32	Married	....	2	American	Westernport	Pushing a mine car, foot slipped; sprained knees.
Oct. 8	Hugh Meese	Miner	39	Married	....	6	American	Lonaconing	Second finger on left hand cut with an axe while making a wedge.
Oct. 23	James H. Atkinson	Miner	47	Married	....	4	American	Gillmore	Left leg below the knee caught by fall of draw rock.
Nov. 6	Harry Hadley	Miner	55	Married	....	4	American	Lonaconing	Left hand caught between car and a piece of rock. Cut and bruised.

GEORGE'S CREEK COAL MINING COMPANY—SONNY MINE

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 7	Dennis Kelly	Laborer	20	Single	1	....	American	Lonaconing	Prop fell on foot, bruising it.
Jan. 8	Peter Beeman	Laborer	29	Married	14	8	American	Lonaconing	Caught between car bumpers. Right ankle bruised.
Jan. 15	Frank Thorpe	Miner	57	Married	....	....	American	Midland	Struck head against bar.
Jan. 17	William Richardson	Miner	44	Married	42	....	American	Lonaconing	Went to assist man caught in fall and was struck by piece of rock. Left ankle broken.
Jan. 17	Daniel Jones	Miner	38	Married	21	4	American	Lonaconing	Went to assist man caught in fall, and was struck by piece of rock. Bruised.
Jan. 17	James Jones	Miner	45	Married	14	8	American	Lonaconing	Was throwing switch, struck by switch throw; dislocated knee cap.
Jan. 17	Howard Wilson	Brakeman	26	Married	....	....	American	Lonaconing	Cut thumb while making wedge.
Feb. 4	Howard Beeman	Miner	40	Married	....	....	American	Lonaconing	Fell coming out of mine; two ribs broken.
Feb. 13	Henry Shockey	Miner	46	Married	....	....	American	Lonaconing	Lifting car; ligaments torn from ribs.
March 6	William Tennent	Miner	66	Married	....	....	American	Lonaconing	Fell from r. r. car; three ribs broken.
March 22	Sheuman Crable	Laborer	44	Married	....	....	American	Lonaconing	Fell while carrying rail, wrenched back.
April 11	Pat McPortland	Miner	45	Married	....	5	American	Lonaconing	Prop flew out, striking him on leg. Thigh broken in two places.
April 12	Samuel Smith	Miner	52	Married	....	....	American	Lonaconing	Rock fell from roof; right foot mashed.
Sept. 12	Andrew Nicol	Miner	45	Married	....	....	American	Lonaconing	Caught by rip saw; two ribs broken.
Sept. 24	Andrew Shook	Laborer	40	Married	....	....	American	Lonaconing	Cut hand while making wedge.
April 25	W. W. Nicol	Miner	25	Married	....	....	American	Lonaconing	Foot caught between bumpers. Ankle broken.
Oct. 1	C. W. Nicol	Brakeman	28	Single	31	....	American	Lonaconing	Struck by trip. Collar-bone broken.
Oct. 3	William George	Brakeman	52	Married	....	....	American	Lonaconing	Arm caught between load and timber; sprained wrist.
Oct. 11	Dan Nolan	Miner	63	Married	....	....	American	Lonaconing	Cut finger off making wedge.
Oct. 11	John Brodbeck	Brakeman	56	Married	....	....	American	Lonaconing	Slipped under car, mashed foot.
Oct. 18	James Nicol	Miner	35	Married	....	....	American	Lonaconing	Blood poisoning resulted from blister on hand.
Oct. 24	William Byrnes	Miner	37	Married	....	....	American	Lonaconing	Pruning spike, bar slipped off spike, fell backwards, fracturing ribs.
Oct. 24	George Nicol	Miner	42	Married	....	....	American	Lonaconing	Bar fell on shoulder, dislocating the same.
Oct. 10	Gustave Scheide	Trackman	42	Married	21	....	American	Lonaconing	
Dec. 15	William Berry	Miner	....	Married	....	....	American	Lonaconing	

KOONTZ COAL COMPANY—McKEE No. 2

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
March 25	Walter Weir	Driver	34	Married	56	....	American	Lonaconing	Kicked on leg by mule. Left leg fractured.
April 17	Wilson Riber	Miner	45	Married	19	....	American	Lonaconing	Struck by fall of slate. Leg cut and bruised.
April 21	Connell Whiteman	Miner	19	Single	14	....	American	Lonaconing	Struck by fall of slate. Leg cut and bruised.
Oct. 18	John Clark, Jr.	Miner	38	Single	14	....	American	Lonaconing	While pulling over lump of coal, piece broke off, throwing Clark on his back. Back injured.
Nov. 12	Charles Weber	Miner	48	Married	....	....	American	Lonaconing	Car ran over finger. End of second finger of right hand mashed.

MARYLAND COAL COMPANY—KINGSLAND-BIG VEIN MINE

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
April 12	Fred Marybach	Miner	48	Married	8	....	American	Lonaconing	Right foot injured. Prop fell on it.
May 23	David Guthbertson	Driver	22	Married	4	....	American	Lonaconing	Mule pulled car on foot.
July 1	Foggy Goodwin	Miner	59	Married	18	....	American	Lonaconing	Struck in eye with piece of coal.
July 26	L. F. Nicol	Miner	45	Married	6	....	American	Lonaconing	Struck with prop, breast injured.
July 28	William Abbott, Jr.	Miner	25	Married	5	....	American	Lonaconing	Caught with fall of breast coal. Foot injured.
Aug. 21	James Mur	Brakeman	25	Single	15	....	American	Lonaconing	Prop fell on foot.
Aug. 3	David Guthbertson	Driver	22	Married	56	....	American	Lonaconing	Finger caught by spreader.
Sept. 26	Gus Eichenberr	Miner	40	Married	30	....	American	Lonaconing	Hand cut with axe.
Sept. 30	Felix Foote, Jr.	Mine Foreman	38	Married	....	....	American	Lonaconing	Lifting a loaded car, lever slipped and he felt something tear. Examined by doctor, who says it is a rupture.
Oct. 2	Robert Moffatt	Miner	35	Married	10	....	American	Lonaconing	Hand caught by piece of rock.

McNITT COAL COMPANY—McNITT MINE

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 14	Robert Brain	Stable-boss	62	Married	12 wks.	...	English	Midlothian	Stepped in mine hole - right ankle badly sprained.
Feb. 15	George Moore	Blacksmith	32	Married	7 days	...	American	Barton	Struck in eye by piece of scale flying off hot iron. Eye injured.
March 15	Pat. B. Byrnes	Miner	47	Married	7	...	American	Carlos	Struck by pick. Hand punctured.
Sept. 8	Jesse Reed	Miner	39	Married	7	...	American	Midlothian	Loaded car ran over foot. Big toe on right foot bruised.
Oct. 18	George Pfister	Miner	85	Married	21	...	American	Midlothian	Struck on hand by fall of rock. Broken bone and weakened tendon on left hand.
Dec. 11	Wm. H. Winters	Miner	81	Married	14	...	American	Midlothian	While running a mine car his shoulder struck the roof.

MOSCOW GEORGE'S CREEK MINING COMPANY—MOSCOW No. 1

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
July 25	Simeon H. Duckworth	Miner and Driver	89	Married	14	1	American	Moscow	Stepped on protruding spike.
Sept. 25	Frank Shriver	Miner and Driver	24	Married	8	...	American	Barton	Car jumped track and squeezed foot.
Sept. 26	Emmett Brennan	Miner-Driver	25	Single	7	...	American	Barton	Pick slipped and run in foot.
Nov. 7	Carson Thomas	Miner	35	Married	7	...	American	Barton	Rock fell on foot; mashed three toes.

MOUNT SAVAGE FUEL COMPANY—NEWTOWN MINE

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 10	Cecil Stevens	Miner	27	Single	8	...	American	Zihlman	Throwing back slate, piece broke and cut right forearm.
Feb. 12	Robert Andrews	Laborer	43	Married	5	10	American	Mt. Savage	Barring rock, slipped and jerked and caused sprained back.
April 30	Carl Winfield	Miner	20	Single	6	...	American	Mt. Savage	Fall of rock, abrasions of back and slight sprain of hip and right side.
May 27	Gilbert O'Baker	Miner	25	Single	13	...	American	Wellersburg, Pa.	Caught finger between two rocks. Laceration of first finger of left hand.
June 4	Harry Brode	Miner	34	Married	7	...	American	Mt. Savage	Cutting wedge and axe slipped. Laceration of thumb on left hand.
June 7	Roy Weimer	Machinist	20	Married	14	2	American	Wellersburg, Pa.	Fall of rock. Fracture of arm near wrist.
June 7	Frank Rizer	Machinist	37	Married	25	3	American	Mt. Savage	Fall of rock. General contusions of back, hips and sides.
June 10	Charles Bean	Miner	68	Single	7	...	American	Mt. Savage	Passing trip on sprag side of cars and grabbed live wire.
July 24	James Sweitzer	Miner	21	Single	7	...	American	Zihlman	Pushing car and got arm between roof and car. Sprained left wrist.
July 23	Thomas Walbert	Machine Man	28	Married	...	3	American	Mt. Savage	Machine jack fell on foot. Sprained ankle.

MOUNT SAVAGE-GEORGE'S CREEK COAL COMPANY—MT. SAVAGE No. 1

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Feb. 14	Albert Harvey	Machine Scraper	38	Married	...	...	...	Frostburg	Machine runner was pulling machine out of place when injured employe fell in front of machine, cutter bar passing over him. Bruised and lacerated back.
Feb. 25	Samuel J. Shelton	Miner	35	Married	...	...	...	Mt. Savage	Putting lump of coal in car, caught finger in front of car and broke finger.
Feb. 27	John Bahen	Foreman	44	Married	...	...	...	Frostburg	Lifting car and sprained knee and tore ligaments.
March 11	James F. Loar	Miner	30	Married	...	...	...	Mt. Savage	Taking down rock which broke, causing him to be hit on the knee.
March 18	Marvin Conaway	Tippie Foreman	42	Married	...	...	...	Mt. Savage	Helping to hold mine car on track that had broken wheel, when he slipped and fell, left hand laying on rail immediately in front of mine car wheel, which ran over his hand. First finger mashed and broken, other three fingers mashed.
June 5	Samuel S. Shelton	Miner	35	Married	...	...	...	Mt. Savage	Pry slipped under rock and flew up and broke two ribs.
Aug. 23	Vernon Diehl	Laborer	16	Single	...	...	...	Mt. Savage	Moving across ties, caught hand between two ties, mashed and bruised hand, fingers not hurt, but cannot use hand.
Sept. 12	Edward O'Baker	Laborer	17	Single	...	...	...	Mt. Savage	Drill pushed through timber and shoe, striking side of great toe. Laceration of toe.
Sept. 25	Harry Diehl	Laborer	52	Married	...	...	...	Frostburg	Drilling empty car on track; pole broke and threw him over side of car, straining his back.
Nov. 4	Leo Brode	Brakeman	...	Married	...	...	...	Frostburg	Dropping cars in heading; cars jumped track, catching him on rib of heading, bruised badly on legs, arms and side.

PIEDMONT AND GEORGE'S CREEK COAL COMPANY—BOWERY FURNACE No. 2

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 26	Richard Meager, Jr.	Motorman	22	Single	7	...	American	Frostburg	Was pushing mine car into one of the rooms and in some way got caught between car and motor, squeezing him about the shoulder.
Feb. 26	James Patterson, Sr.	Coal Miner	60	Married	18	...	American	Midlothian	Had put a shot in the coal and went back to same too quickly; consequently when shot went off some of the coal hit him in the face, arms and body, causing minor bruises and cuts.
March 26	Harry Warnick	Miner	39	Married	45	...	American	Westernport	Was making cap, piece to put over prop, and axle handle caught in trousers, causing him to cut off his first finger on left hand at second joint.
June 27	Richard Meager, Sr.	Outside Laborer	68	Married	18	...	American	Shaft	Was cleaning coal in the railroad car and a lump rolled down, striking his hand, bruising fingers.
Sept. 15	James Muir	Miner	42	Married	17	...	American	Frostburg	Putting iron ties under rail and finger came in contact with sharp piece on rail, making a bad cut on same.
Oct. 20	David Marshall Lynn	Miner	17	Single	11	...	American	Frostburg	Throwing lump of coal on mine car and caught his hand between lump and mine car, bruising hand.
Dec. 4	Abraham B. Gordon	Miner	42	Married	25	...	American	Frostburg	Was putting in a mining and small piece of coal struck him in the left eye, bruising the eyeball.
Aug. 6	Frank Condry	Motorman	30	Single	33	...	American	Eckhart	Was running a trip in the mine and a car jumped the track, knocking out timber and leading down roof, resulting in an incomplete fracture of the left arm, fractured finger and two bruises on body.
Aug. 13	Howard Brode	Laborer	33	Married	20	...	American	Midlothian	Cot off motor to turn switch, his foot slipped and was caught under sand-box on motor, spraining his ankle.
Aug. 25	Leonard Miller	Laborer	32	Married	70	...	American	Shaft	Was making slight repairs to jackhammer drill and piece of rock fell from roof and struck his foot, mashing and bruising three of his toes.
Aug. 28	George Diehl	Motorman	37	Married	8	...	American	Frostburg	Car of rock ran against motor and caught his leg between motor and car of rock, bruising same.
Sept. 8	Thomas Winters	Laborer	51	Married	39	...	American	Frostburg	Mine car ran over his foot, breaking bone.
Sept. 10	Perry Keister	Miner	19	Single	64	...	American	Midlothian	Was loading car of coal and roof fell, catching him under it, resulting in his collar bone being broken and bruised across the back.
Sept. 12	Charles C. Brode	Miner	60	Married	66	...	American	Midlothian	Was putting wedge over top of prop and the draw slate fell, injuring him through back, breast and stomach and cut his head and arm.

PIEDMONT AND GEORGE'S CREEK COAL COMPANY—WASHINGTON No. 1

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
April 4	Thomas Kenny	Miner	21	Single	23	...	American	Westernport	Was shoveling coal into mine car and piece of slate fell, striking the back of his hand and bruising same.
July 11	Frank Kenny	Machine Operator	31	Married	14	...	American	Westernport	Was putting rope on wheel on mining machine and fingers got caught between rope and wedge, resulting in two fingers on left hand being bruised and cut.
Aug. 18	Nimrod Duckworth	Miner	46	Married	23	...	American	Westernport	Was turning rail over and caught his finger between rail and mine tie, bruising same.
Aug. 15	Frank Kenny	Miner	31	Married	31	...	American	Westernport	Getting on trip while in motion with his hand resting on top of mine car and his elbow went against low place in roof, causing his arm to be jammed somewhat until it released itself by pushing palm of hand over a bolt on top of mine car, resulting in his hand being badly cut and his arm sprained.
Oct. 4	Joseph T. Conroy	Blacksmith	51	Married	9	...	American	Westernport	Sharpening a pick and, it being loose on the handle, fell off and struck him on leg, bruising same.
Nov. 6	Nicola Sangiovanni	Miner	28	Married	66	...	Italian	Westernport	Piece of rock fell and struck him on left ankle, breaking bone.

PIEDMONT AND GEORGE'S CREEK COAL COMPANY—WASHINGTON No. 5

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Feb. 15	George W. Turner	Miner	40	Married	38	...	American	Westernport	Cutting a wedge and axe handle caught on coal, causing it to catch his finger between blade of axe and wedge, resulting in first finger on left hand being broken.
Feb. 14	Cosmo Cirillo	Miner	26	Married	30	...	Italian	Piedmont, W. Va.	Was digging down top coal and piece fell on his foot, mashing three toes.
Feb. 26	Albert Riggelman	Tippelman	48	Married	62	...	American	Westernport	Was endeavoring to make some slight repairs to shaker screens and an empty mine car ran off the tilt, catching his body between car and tippie timbers, fracturing two ribs and spraining both ankles.
April 9	Earl Reese	Outside Laborer	24	Single	15	...	American	Westernport	Was shoveling the slack coal off the cutter bar of mining machine and piece of bone coal fell, striking him on the ankle and bruising same.
June 4	Frank Harshberger	Miner	20	Single	12	...	American	Westernport	Was cutting a cap for a prop and the axe slipped and cut his right leg above the knee.
July 1	Henry Laupert, Sr.	Outside Laborer	56	Married	22	...	American	Westernport	Was getting down in railroad car to clean coal and a lump rolled down, striking his left hand and broke little finger.
July 10	George Trenum	Miner	22	Single	10	...	American	Westernport	Was breaking a lump of coal and his hand struck the edge of bone coal, cutting same.
Nov. 18	James Riggins	Miner	58	Married	56	...	American	Westernport	Was mining the coal and a piece of slate fell and struck him on the back, spraining same.

SULLIVAN BROS. COAL COMPANY—MINE No. 3

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 23	Harris R. Deremer	Laborer	27	.....	....	12	American	Cumberland	Cut his right foot near the ankle while engaged in shaping a piece of timber with an adz.
Feb. 4	Wm. Douglas Wright	Laborer	33	Married	28	....	American	Eckhart	He stepped on a nail, which pierced the sole of his foot.
March 14	Andrew E. Watson	Laborer	39	Married	30	....	American	Frostburg	He was assisting in carrying a railroad tie when the same fell from his shoulder and struck him on the ankle.
May 10	Hilary Lancaster	Laborer	21	Married	10	....	American	Eckhart	He was engaged in cutting a piece of timber when the axe slipped, cutting his leg below the knee.
Nov. 7	James Walsh	Laborer	50	Married	5	....	American	Mt. Savage	He came in contact with a live electric wire and fell, striking his cheek against an electric motor, cutting and bruising his cheek.

SUPPLY COAL COMPANY

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Oct. 25	Raymond Frenzel	Miner	....	Single	28	....	American	Barton	Was digging coal and a piece of rock fell, with coal striking him on small part of left foot.

UNION MINING COMPANY—No. 3 MINE

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
June 5	Wm. Hause	Miner	24	Married	....	3	American	Mt. Savage	Hurt back lifting; extent of injury not known, as man did not return to mine.
Aug. 19	Carl Sturtz	Miner	23	Single	11	....	American	Weltersburg, Pa.	Finger mashed loading rock.
Aug. 19	Harry Cassen	Miner	24	Married	8-10 mos.	3	American	Weltersburg, Pa.	Compound fracture leg, due to rock fall.

UNION MINING COMPANY—No. 5-6 MINE & STRIP

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 5	William Witte	Miner	23	Single	6	....	American	Mt. Savage	Finger mashed.
March 7	William Baker	Driver	26	Single	....	....	American	Pocahontas	Ran nail in foot.
April 15	Wilner Frankenberg	Miner	35	Married	12	5	American	Mt. Savage	Finger mashed.
April 25	Edwin Frankenberg	Miner	33	Married	3	3	American	Mt. Savage	Two toes mashed.
June 9	Albert Martin	Miner	22	Single	4	....	American	Mt. Savage	Hand cut.
July 10	Jonas Peck	Miner	55	Married	20	6	American	Pocahontas, Pa.	Blood poisoning in finger.
July 29	Orville Minnick	Laborer	30	Married	9	3	American	Frostburg	Sprained ankle.
Aug. 6	Ira Paul	Laborer	21	Single	3 mos.	....	American	Sand Patch, Pa.	Blood poisoning.
Sept. 17	Ira Cayton	Laborer	23	Single	28	....	American	Finzel	Wrist cut with saw.
Oct. 31	John Clark	Miner	32	Married	4	5	American	Finzel	Cut finger.
Oct. 20	Wm. McKenzie	Laborer	45	Married	12	2	American	Pocahontas	Head cut.
Dec. 2	Ed Carter	Miner	24	Single	7	....	American	Mt. Savage	Foot cut.
Dec. 30	Jos. Clark	Laborer	28	Married	10	5	American	Frostburg	Foot hurt.

D. WADDELL

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Sept. 22	Robert McWilliam	Laborer	58	Married	14	3	Scotch	Lonaconing	Piece of rock struck him on left ankle.

BIG SAVAGE FIRE BRICK COMPANY—FIRE CLAY MINE—MINE No. 1

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 2	Bernard Preston	Inside Laborer	19	Single	4	....	American	Frostburg	Was running a loaded mine car down the heading and watching the brake. He got caught between car and prop, injuring his left arm below elbow.
June 13	George Lockard	Inside Laborer	22	Married	13	3	American	Allegheny	Went to pitch a lump of rock under mine car and struck his finger against the bumper of car, bursting the flesh and breaking bone of second finger.

Garrett County

W. D. ALTHOUSE & COMPANY—GEORGIAN MINE

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
March 27	A. Kitzmiller	Machine H.	26	Married	10	4	American	Gorman	Caught between jack pipe and machine. Right shoulder bruised. Hand caught between face of coal and car while motor was pushing car up in his place as he was in act of setting brake. Two first fingers on right hand badly mashed.
April 15	C. W. Schaeffer	Miner	23	Single	60	...	American	Gorman, W. Va.	
Sept. 9	A. C. Hanlin	Miner	34	Married	6	3	American	Gorman	Wrenched his back setting brake. Mashed his hand with rock. Ran pick through his thumb. Rolled between top of car and roof. Back sprained.
Sept. 18	Isaac Rinker	Miner	38	Married	12	6	American	Gorman	
Nov. 8	Earl Miller	Miner	40	Married	20	8	English	Gorman, W. Va.	
Dec. 20	Edw. Bickel	Triprider	20	Single	20	...	English	Gorman, W. Va.	

BLAINE MINING COMPANY—POTOMAC MANOR No. 1

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 21	James Porter	Laborer	39	Married	14	2	American	Potomac Manor	Small finger smashed by getting it caught between frozen ground and sprag on top of plane.
March 10	William Rock	Driver	33	Single	30	...	Austrian	Potomac Manor		Was washing horse's leg in run when it slipped and knocked against his leg, bruising same.
April 17	H. H. Boyer	Miner	52	Married	10	4	American	Kitzmiller	Rock fell on right foot, causing slight injury to the foot and contusion of the muscles. Top of small finger mashed by rock, falling on same. Big toe of left foot crushed by piece of rock falling on it. Middle rock fell out and cut left side of face slightly.
Aug. 14	Steve Croize	Miner	54	Married	15	4	Austrian	Potomac Manor	
Aug. 29	William Barber	Miner	46	Married	14	2	Austrian	Potomac Manor	
Sept. 11	Nicolas Nose	Miner	19	Single	13	...	Italian	Kitzmiller	

BLOOMINGTON COAL COMPANY

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Feb. 23	Joseph Garrett	Miner	58	Married	...	4	American	Bloomington	Fall of roof slate, causing fracture of right leg. Setting bar and piece of roof rock fell and caught right foot, mashing same. Fall of slate came down on finger when he was setting timber on prop, bursting two front fingers on left hand.
Sept. 25	Oliver Warnick	Miner	29	Married	42	3	American	Barnum, W. Va.	
Dec. 24	Charles O. Wolf	Miner	35	Married	10	4	American	Bloomington	

DAVIS COAL AND COKE COMPANY—MINE No. 42

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 29	Mike Hawnagek	Miner	37	Single	...	...	Russian	Kempton, W. Va.	Coupling cars, motor bumped car, catching finger between motor and bumper. Contusion and laceration index finger left hand. No loss of time. Was shaping wedge for cap piece, axe glanced, catching hand. Incised wound to palm of left hand base of thumb.
Jan. 30	Charles Svirtes	Scrapier Loader	34	Single	...	...	American	Kempton, W. Va.	
Jan. 30	J. W. Crigler	Carpenter	36	Married	...	4	American	Kempton, W. Va.	Stepped off box, struck left side; fractured sixth rib. No loss of time. Short in resistance on motor, second degree burn to right hand; no loss of time. Brake not holding, was caught between cars, contusion to hip and chest. Has not returned.
Feb. 4	W. C. Smith	Motorman	28	Married	...	4	American	Kempton, W. Va.	
Feb. 5	Boyd Warsaw	Brakeman	18	Single	...	...	American	Kempton, W. Va.	Was taking off fish-plate, wrench slipped, causing him to fall, striking hip on sharp piece of rock. No loss of time.
Feb. 19	Walter Swist	Miner	29	Married	...	6	Polander	Kempton, W. Va.	
Feb. 22	Claud Simmons	Brakeman	27	Single	...	...	American	Kempton, W. Va.	Ran motor into loaded cars; was thrown from motor, striking head on tie. Contusion and laceration to scalp.
Feb. 26	Charles Lewis	Miner	38	Married	...	3	American	Kempton, W. Va.	Using pick struck left hand. Puncture wound. No loss of time. Riding motor, head struck roof. Contusion to head. Contusion and abrasion to inner side of thighs. Contusion to scrotum with slight laceration.
Feb. 27	James Harvey	Motorman	28	Married	...	4	American	Kempton, W. Va.	
March 8	William Seymour	Motorman	21	Married	...	3	American	Kempton, W. Va.	Miner accidentally struck injured man with point of pick. Puncture wound above left knee.
March 18	Mike Morris	Fire Boss	41	Married	10	8	Austrian	Kempton, W. Va.	
April 19	Bernard Broll	Miner	21	Married	3	2	American	Kempton, W. Va.	Cable caught him, pulling him off motor. Contusion to right wrist and right hip and back.
May 31	W. C. Smith	Motorman	28	Married	...	5	American	Kempton, W. Va.	
June 13	Nick Tochooka	Brakeman	18	Single	3	...	Ithunian	Kempton, W. Va.	Was pushing empty cars. While bracing guides. While bracing guides something fell in water, splashing water and dirt in eye.
June 16	David Wilt	Car Repairman	48	Married	...	3	American	Kempton, W. Va.	
June 25	Geo. Sakolasky	Miner	29	Married	...	...	Polish	Kempton, W. Va.	Was coupling locked car, sprained ankle. Dropping loaded car out of place, did not block empties behind and was caught between loads and empties.
June 26	Mitchel Davis	Brakeman	19	Single	...	...	American	Kempton, W. Va.	
June 26	Marshall Cassidy	Miner	26	Married	...	3	American	Kempton, W. Va.	Taking off check, struck finger against check nail. Slight puncture wound, index finger, right hand.
June 25	N. E. Harris	Weigh Boss	48	Married	...	2	American	Kempton, W. Va.	
June 26	Delbert Crosten	Brakeman	25	Married	...	4	American	Kempton, W. Va.	Was blocking car on track when car slewed, striking him on head. Oval abrasions, right side of forehead.
July 12	John Stoffa	Miner	42	Married	...	3	Hungarian	Kempton, W. Va.	
July 28	A. J. Stafford	Miner	27	Married	...	3	American	Kempton, W. Va.	Was shovelling, struck hand against props; contusion and laceration right hand. Was trying to turn over a large lump of coal. Sprained back.
July 28	John Stoffa	Miner	42	Married	3	3	Hungarian	Kempton, W. Va.		Fall of coal from top, striking right hand. Contusion and slight laceration.

DAVIS COAL AND COKE COMPANY—MINE No. 42—(Continued)

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Aug. 5	Aubrey Bowers	Brakeman	23	Single	...	...	American	Kempton, W. Va.	Miner dropping loads from face; motor going in met cars coming out. Caught foot between bumpers. Severe contusion and laceration to right foot.
Aug. 8	W. Smith	Motor Repairman	28	Married	3	5	American	Kempton, W. Va.	Was putting brake shoe on motor, struck shoe with hammer, rust flew in eye. Right eye conjunctiva.
Aug. 15	Mike Rostorovich	Miner	37	Married	3	...	Syrian	Kempton, W. Va.	Piece of top coal fell, striking him on arm. Slight contusion and abrasion to left forearm. No loss of time.
Aug. 18	James Paugh	Laborer	16	Single	...	...	American	Kempton, W. Va.	Was shoveling dirt and sprained right arm. No loss of time.
Aug. 21	Joe Lulis	Miner	30	Single	...	...	Lithuanian	Kempton, W. Va.	Was dropping loads out of place, mashed thumb. No loss of time.
Aug. 25	Pete Stoffa	Miner	16	Single	...	...	Hungarian	Kempton, W. Va.	Was lifting lump of coal when it broke and piece caught finger against car. Contusion and laceration to thumb, right hand. No loss of time.
Aug. 29	Jack Solchcock	Miner	44	Married	...	8	Lithuanian	Henry, W. Va.	Digging out shot that failed to explode, struck cap with pick, cap and one-half stick dynamite exploded. Burn to both eyes. Probable partial permanent loss to vision both eyes. Was removed to hospital at Davis, W. Va., and then to Cumberland, Md.
Sept. 24	Paul Dice	Motorman	28	Married	14	3	American	Kempton, W. Va.	Was cutting with machine, jack pipe pulled rock from face on leg. Contusion and laceration to right leg.
Sept. 24	John Stoffa	Miner	42	Married	7	3	Hungarian	Kempton, W. Va.	While shoveling, a large lump of top coal fell, striking him on back. Contusion and abrasion to back.
Sept. 30	N. K. Windle	Miner	34	Married	...	6	American	Mt. Lake Park	Was shoveling coal when draw slate fell, catching him against shovel handle. Contusion to back and shoulders, fractured 3 and 4 ribs.
Oct. 13	A. L. Biggs	Cutter	42	Married	6	4	American	Kempton, W. Va.	While splicing knife slipped, puncturing thigh, inner surface.
Oct. 15	Walter Geathouse	Scraper Leader	37	Married	...	3	American	Kempton, W. Va.	Bumped elbow against chute. Contusion and abrasion to left elbow.
Oct. 17	W. C. Martin	Teamster	42	Married	...	7	American	Kempton, W. Va.	Was hauling rails, caught finger between tail chain and rail. Laceration to finger.
Oct. 16	August Weigatz	Miner	49	Married	...	12	Austrian	Kempton, W. Va.	Was straightening spike that had broken head. Cut finger.
Oct. 16	Ernest Friend	Miner	29	Single	...	...	American	Kempton, W. Va.	Was scraping bottom, pick glanced, striking foot. Puncture wound, left foot.
Oct. 18	John Costello	Scraper Leader	36	Married	...	2	American	Kempton, W. Va.	Was getting motor out of pit, spring broke and trolley pole struck him above left eye. Contusion and abrasion to left eyebrow.
Oct. 18	John Zanke	Miner	40	Married	...	5	Lithuanian	Kempton, W. Va.	Was taking off lamp, spilled acid on self. Second degree burn to abdomen, left side.
Oct. 20	Lester Wilt	Miner	33	Single	...	...	American	Kempton, W. Va.	Was loading rock, rock slipped, catching finger between rock and car. Laceration third finger right hand.
Oct. 22	Mike Kuruzovich	Miner	40	Single	...	7	Austrian	Kempton, W. Va.	Was shoveling coal, struck elbow against car. Contusion and abrasion to left elbow.
Oct. 18	Coleman Cross	Miner	27	Married	6	...	American	Kempton, W. Va.	While cleaning up rock, piece of slate fell, striking hand. Laceration over knuckle, right hand.
Oct. 20	Charles Fickes	Miner	18	Single	...	...	American	Kempton, W. Va.	While spiking rail, caught finger between rail and tie. Contusion and laceration to finger.
Oct. 28	Bernard Broil	Miner	21	Married	...	2	American	Kempton, W. Va.	Was driving spike and struck thumb with axe. Contusion and laceration to thumb, left hand.
Nov. 20	A. M. Whitesell	Scraper	30	Married	...	2	American	Kempton, W. Va.	While tightening bolt on cutter head wrench slipped, striking head. Contusion and abrasion to forehead.
Nov. 20	Charles Lewis	Miner	39	Married	5	5	American	Kempton, W. Va.	Content of battery spilled on clothes, causing burn on back.
Nov. 21	W. E. King	Miner	58	Married	...	2	American	Kempton, W. Va.	Was cleaning coal with pick; pick glanced, striking foot. Puncture wound, left foot, below ankle, inner side.
Nov. 24	Mike Kuruzovich	Miner	40	Single	7	...	Austrian	Kempton, W. Va.	Was cleaning up rock; sprained back.
Dec. 2	Lester Welch	Brakeman	21	Married	...	2	American	Kempton, W. Va.	Was raising pump with prop, it slipped, catching thumb against pump motor. Contusion of motor when he thought there was going to be a collision; sprained ligaments of left knee.
Dec. 8	George Hoopingartner	Brakeman	30	Single	...	...	American	Kempton, W. Va.	Was cleaning coal when a piece of heavy slate fell, striking foot. Contusion to foot.
Dec. 8	Henry Robey	Miner	46	Married	8	8	American	Henry, W. Va.	Piece of heavy slate fell from roof, striking hand. Contusion and laceration to third finger, right hand.
Dec. 29	H. D. Bettinger	Miner	30	Single	...	...	American	Kempton, W. Va.	

HAMILL COAL AND COKE COMPANY—KITTANNING—SIX FOOT

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Feb. 26	M. R. Adams	Miner	37	Married	30	4	American	Blaine, W. Va.	Fall of roof rock, cutting head, shoulders, and mashed right foot and ankle.
March 5	Capt. Burrell	Miner	26	Single	14	...	American	Kitzmiller	Fall of rock, mashing left foot.
March 28	Joseph Perry	Miner	29	Married	7	4	Italian	Kitzmilller	Fall of timber, mashing two fingers, right hand.

HAMILL COAL AND COKE COMPANY—FREPORT

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
March 7	John Dugan	Timberman	48	Married	14	4	American	Kitzmilller	Cut right thumb with axe.
April 30	Thomas Strachan	Miner	46	Married	7	7	American	Blaine, W. Va.	Jack slewed, letting car against hip, bruising same.
June 28	Joseph Teats	Miner	41	Married	7	3	American	Kitzmilller	Fall of rock on left leg and hip, bruising same.
Sept. 5	G. M. Pool	Laborer	38	Single	10	3	American	Kitzmilller	Slipped through floor of timple, skinned leg.
Sept. 10	W. F. Davis	Miner	63	Married	30	12	American	Blaine, W. Va.	Fall of rock. Sprained knee and ankle.
Sept. 17	W. H. Hirtley	Miner	62	Married	7	2	American	Blaine, W. Va.	Fall of rock. Bruised ribs.
Oct. 2	Richard Riggeman	Miner	62	Married	21	3	American	Vindex	Fell on rock in place, bruising side and ribs.
Oct. 10	Joseph Perry	Miner	42	Married	7	5	Italian	Kitzmilller	Cut thumb and leg bruised in handling rock.
Oct. 17	Geo. R. Spiker	Miner	29	Single	120	4	American	Kitzmilller	Fall of rock, mashing right foot, breaking two bones.
Oct. 25	Non. M. Riggeman	Miner	38	Married	14	4	American	Blaine, W. Va.	While picking coal from middle rock, pick glanced and struck right foot, cutting same.
Nov. 14	Ira Hershman	Driver	33	Married	14	5	American	Kitzmilller	Car ran away down heading, striking trip of cars in charge of Hershman. Left foot sprained and knee bruised.
Nov. 29	C. F. Puffenbarger	Miner	53	Married	7	5	American	Kitzmilller	Cut left thumb on rock in gob.
Dec. 18	J. A. Holloway	Miner	52	Married	21	5	American	Blaine, W. Va.	Fall of pocket of roof rock, cutting and bruising right arm and wrist. Slight injury.

HAMILL COAL AND COKE COMPANY—TROUT MINE

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Dec. 1	Richard Riggeman	Miner	42	Married	10	5	American	Vindex	Lever fan engine striking jaw while starting engine. Slight injury.

MANOR COAL COMPANY—No. 1 MINE

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Feb. 27	Frank Chambers	Loader	33	Single	...	...	Slav	Vindex	Was replacing derailed car. Slipped back on right foot. Contusion of muscles.
May 10	Sam Wial	Loader	32	Single	35	...	Polish	Vindex	Not working yet.
June 19	William G. Hannah	Loader	30	Married	28	...	American	Vindex	Roof fall, bruising hand, body arms and hips.
Oct. 28	Frank C. Stewart	Driver	20	Married	14	2	American	Vindex	Roof fall, causing contusion of muscles of back and shoulders.
Dec. 16	Alex. Parnic	Miner	38	Single	18	...	Russian	Vindex	Caught between loaded cars and rib. Squeezed over pelvis bones and contusion of muscles.

MANOR COAL COMPANY—No. 2 MINE

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 3	Date Fike	Trapper	17	Single	8	...	American	Vindex	Fingers crushed by rock.
Jan. 10	Elza McRobie	Motorman	22	Married	14	2	American	Vindex	Bruised muscles of right leg. Runaway car bumped motor.
Jan. 8	Walter Kimmel	Prakeman	21	Single	21	...	American	Vindex	Was uncoupling cars. Motor started and pin caught little finger of left hand.
Feb. 15	Jno. Rinker	Scrapper	18	...	5	...	American	Vindex	Was reloading derailed coal machine, dropped on foot, crushing it.
Feb. 7	William Tichnell	Loader	28	Married	28	4	American	Vindex	Caught between derailed car and roof.
March 7	John Rinker	Machine Runner's Helper	18	Single	60	...	American	Vindex	Was replacing derailed coal cutting machine; bit caught heel and cut it deeply.
May 5	Andy Bruchy	Loader	36	Married	14	5	Polish	Vindex	Laying track, axe slipped, cutting and bruising one finger.
Aug. 20	Israel Rinker	Machine Runner	41	Married	60	6	American	Vindex	Hand caught in track chain of main machine, pulling it into the gear, crushing two fingers, which had to be amputated.

McCULLOUGH COAL CORPORATION—McCULLOUGH No. 1

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 9	Donald Friend	Machine Helper	27	Single	14	...	American	Friendsville	Face burned by carbide gas while opening carbide container, with lighted lamp on his cap.
Feb. 14	Jack Thomas	Fireman	44	Married	150	1	American	Friendsville	Slipped and fell, bumping index finger of left hand against wall. Later became infected and developed blood poisoning.
Feb. 14	Leonard Lythe	Machine Helper	56	Married	20	1	American	Friendsville	Lost control of jack handle while lifting mining machine with hoisting jack. Handle struck him, cutting and bruising right side of face.
Feb. 8	Stanley Friend	Motorman	23	Single	14	...	American	Friendsville	Fell from locomotive and bruised his back.
March 21	Donald Friend	Machine Helper	27	Single	21	...	American	Friendsville	Punctured hand with broken strand of wire cable.
Oct. 17	Leslie Friend	Loader	36	Married	10	...	American	Friendsville	Bruised fourth finger of right hand by catching finger between lump of coal and mine car while placing the lump of coal on the car.

MYERS COAL COMPANY

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 14	Roy C. Patton	Miner	34	Married	...	6	American	Grantsville	Was setting prop, rock loosened and caught him, causing contusion of right eye. Sprained back, sprained left ankle, fracture fifth rib, right side.

POTOMAC VALLEY COAL COMPANY—PEERLESS MINE

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 29	A. M. Wilkens	Miner	50	Married	42	6	American	Kitzmilller	Top coal fell, catching him across thigh and left foot, causing bad bruise.
March 5	Thomas Finch	Driver	26	Single	42	...	American	Kitzmilller	Car jumped track, catching hand between car and prop, mashing third finger on hand badly.

R. J. ROSS COAL MINES, INC.

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 1	Howard Kerns	Brakeman	40	Married	8	4	American	Westernport	Coat caught on car, foot slipped under wheel, mashing two toes.
Jan. 23	Lloyd Sampson	Brakeman	28	Married	12	3	American	Westernport	Sprained back while lifting rail off car.
Jan. 23	William Ravenscroft	Miner	44	Married	15	4	American	Westernport	Sprained back while lifting lumps of coal on car.
Jan. 24	W. H. Bell	Slate Picker	60	Married	25	...	American	Westernport	Stepped up to oil machinery, fell and dislocated shoulder.
Feb. 5	William Munsie	Machine Man	35	Married	8	4	American	Westernport	Right limb was hit with machine jack.
Feb. 11	Earl Kalbaugh	Brakeman	28	Married	...	8	American	Westernport	Car jumped the track and pinned him against the timber.
Feb. 26	E. T. Mackley	Miner	25	Single	...	...	American	Beryl, W. Va.	Rock fell on him and squeezed him through hip.
Feb. 26	L. R. Mackley	Brakeman	...	Single	...	...	American	Beryl, W. Va.	Brake on motor caught foot between car and sprained foot.
March 26	Lawrence Densmore	Trakman	...	Married	...	4	American	Westernport	Repairing track and wrenched knee.
March 31	Everett Fazenbacker	Brakeman	29	Married	...	...	American	Beryl, W. Va.	Foot mashed by fall of rock.
May 28	A. M. Poland	Miner	30	Married	12	4	American	Beryl, W. Va.	Shoulder dislocated and two ribs broken. Taking down roof rock and piece fell on him.
May 31	S. N. Shillenbunrg	Miner	47	Married	38	...	American	Grantsville	Hit in eye by spawl of stone flying from hammer and cutting left eye-ball.
July 17	E. B. Dust	Laborer	54	Married	...	...	American	Westernport	Car jumped track, caught thumb, breaking it.
July 17	Henry Guzley	Motorman	34	Married	...	...	American	Westernport	Fall of rock struck hip, spraining it.
July 22	Edw. Bradley	Miner	60	Married	...	...	American	Bloomington	Ankle broke by fall of rock.
July 26	Benton Harshburger	Miner	58	Married	...	...	American	Westernport	Smashed finger against car.
Aug. 4	Melvin Boba	Miner	18	Single	19	...	American	Westernport	Flesh torn from two fingers caught between car and timber.
Aug. 19	J. E. Wilson	Laborer	45	Married	...	...	American	Piedmont, W. Va.	Squeezed through hips by load of timber.
Aug. 29	Joseph Hoopengardner	Electrician	32	Married	10	3	American	Westernport	Fell against cutting machine, bruised about ribs.
Sept. 17	Eleck Tennant, Jr.	Miner	32	Married	30	4	American	Beryl, W. Va.	Squeezed through hips by fall of rock.
Sept. 22	Truman Evans	Miner	34	Married	10	3	American	Westernport	Struck head against roof.
Sept. 24	Mike Sullivan	Brakeman	33	Married	30	...	American	Beryl, W. Va.	Lifting car on track, fractured small bone in arm.
Oct. 1	Bernard Lynch	Miner	21	Single	30	...	American	Westernport	Eye injured.
Oct. 2	Thomas Bobo	Miner	41	Married	...	...	American	Bloomington	Loaded car caught finger, badly mashing it.
Oct. 3	Benton Harshberger	Miner	57	Married	20	...	American	Westernport	Machine caught foot, spraining it.
Oct. 6	Noah Davis	Miner	48	Married	20	...	American	Westernport	Broken wrist.
Oct. 11	J. E. Wilson	Machine Man	45	Married	50	5	American	Westernport	Caught finger with a lump of bone coal and badly mashed it.
Oct. 12	Bud Reeves	Miner	40	Married	25	...	American	Beryl, W. Va.	Face bruised from flying coal from shot as he approached it. It fired after he had waited a reasonable length of time.
Nov. 12	M. P. Wilkes	Miner	19	Single	...	...	American	Bloomington	Loading boom lowered and caught hand under it and brake wheel.
Nov. 26	George Gordon, Jr.	Miner	28	Married	...	...	American	Bloomington	
Dec. 10	James A. Wilson	Car Shifter	58	Married	20	...	American	Bloomington	

MELVIN WEIMER

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Feb. ...	Gilbert Weimer	Miner	44	Married	6	7	American	Oakland	Pick handle stuck hand while mining coal, causing flesh to be bruised at base of third finger of right hand, later resulting in infection.
Dec. 30	Gilbert E. Weimer	Miner	45	Married	30	8	American	Oakland	Fall of coal, badly bruising lower leg and foot. Doctor claims ligaments torn.

WOLF DEN COAL COMPANY, INC.—WOLF DEN MINE

Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 18	Charles Turner	Miner	42	Married	3	5	American	Shallmar	Rock fall, slight contusion and sprain of left ankle.
Feb. 6	Jesse Perando	Miner	30	Single	14	1	American	Shallmar	Hurt while lifting rock.
Feb. 26	J. C. Shillenbunrg	Cleaner	57	Married	28	3	American	Dodson	Elevator machine frozen, helping to turn it over by hand. Caught hand between two gear wheels, power not turned on. Puncture wound of left hand, also fracture of bone.
April 11	Joseph Markley	Miner and Laborer	33	Married	90	4	American	Shallmar	Pushing dump truck, caught fingers of both hands between iron frame and dump truck. Left hand, second finger, mashed. Right hand, lacerations and contusion, index finger, second and ring fingers.
Aug. 26	Carl Liller	Motorman	...	Married	30	7	American	Kitzmilller	Fall of dynamite rock hit, breaking or fracturing pelvis bone and hurting leg.
Sept. 15	Milke Sunday	Miner	39	Married	...	...	Italian	Shallmar	Rock fell while man was working in his place. Contusion of the muscles of the back of left foot and left knee.
Oct. 14	John Smorrell	Miner	47	Single	6	...	Austrian	Dodson	Piece of rock fell from roof, striking right hand. Contusion of muscles of right hand.
Oct. 17	John Patrick	Miner	42	Married	120	8	Austrian	Shallmar	Dynamite rock fell, knocking him down, piece falling on leg, breaking it at ankle.
Oct. 20	Gabriel Perez	Miner	29	Married	10	2	Spanish	Shallmar	Piece of rock fell from roof, hitting left hand and cutting same across the palm; muscles bruised.
Oct. 7	Carson E. Peters	Miner	34	Married	14	3	American	Shallmar	Was lifting piece of rock when another piece fell from roof, catching fingers. First and second fingers, left hand, injured.
Nov. 20	Jos. A. Smith	Miner	31	Married	7	12	American	Shallmar	While loading, partner's pick slipped, striking him in leg. Swelling and pains in leg.

STATISTICS OF PRODUCTION, 1924

ALLEGANY COUNTY

Name of Company.	Name or Number of Mine.	Number of Openings.	Coal Seam Worked.	Distribution of Employees				Days Worked During Year	Output Statistics			Accidents.		Mining Machines Used.	
				Miners.	Drivers.	Inside Laborers.	Outside Employees.		Total	Pick.	Machine.	Total	Fatal.		Non-Fatal.
Allegany Coal Company	Tacoma No. 4	1	Bakerstown	8	1	1	2	12	4,884.87			4,884.87			
Andrew Brode, Sr., & Son	Brode	2	Upper Tyson	2	2	3	3	2	820.00			820.00			
Annan & Jeffries	Union No. 1	1	Big Vein	15	2	1	1	28	12,625.00			12,625.00			
Arcadia Coal Company	Union No. 2	1	Tyson	10	1	1	1	13	3,569.00			3,569.00			
Areh Michaels Coal Company	Arcadia	1	Bakerstown	15	1	3	4	23	9,036.90			9,036.90			
William H. Barnes & Son	Michaels	1	Big Vein	4	4	1	1	133	1,536.00			1,536.00			
D. A. Rerson	Castle Run	2	Pgh. or Big Vein	9	3	2	8	309	6,084.60			6,084.60			
Big Vein Coal Co. of Lonaconing	Big Vein No. 1	5	Pgh. or Big Vein	28	3	5	41	312	13,783.91			13,783.91			
Bradler Mining Company	Caledonia	1	Pgh. or Big Vein	20	3	4	29	225	34,647.00			34,647.00			
Brydon Bros. Coal Corp.	Burtner No. 6	1	Bakerstown	11	2	1	3	206	27,977.00			27,977.00			
Burtner Coal Mining Company	Campbell	2	Franklin	7	2	1	3	17	14,917.00			14,917.00			
Campbell Bros. Fuel Mine	Franklin	1	Bakerstown	3	1	1	2	208	1,244.00			1,244.00			
Campbell Coal Co., Inc.	Franklin	8	Big Vein	6	2	4	5	108 1/2	9,578.80			9,578.80			
Campbell Coal Co., Inc.	Franklin	2	Big Vein	8	2	1	2	80 1/2	12,487.64			12,487.64			
Campbell Coal Co., Inc.	Hampshire	10	Tyson	6	4	2	10	78 1/2	5,810.50			5,810.50			
Chapman Coal Mining Company	Swanton	1	Bakerstown	13	4	3	9	208	41,982.55			41,982.55			
Consolidation Coal Company	No. 1	1	Big Vein	50	4	2	20	176	10,143.00			10,143.00			
Consolidation Coal Company	No. 2	1	Bakerstown	18	4	2	3	173	13,782.00			13,782.00			
Consolidation Coal Company	No. 3	3	Pgh. or Big Vein	77	10	34	21	48	12,288.00			12,288.00			
Consolidation Coal Company	No. 4	2	Pgh. or Big Vein	82	7	16	16	264	96,122.00			96,122.00			
Consolidation Coal Company	No. 5	2	Pgh. or Big Vein	45	6	18	19	50	10,897.00			10,897.00			
Consolidation Coal Company	No. 6	2	Pgh. or Big Vein	28	4	5	10	47	15,783.00			15,783.00			
Consolidation Coal Company	No. 7	5	Sewickley-Tyson	118	1	21	161	236	128,039.00			128,039.00			
Consolidation Coal Company	No. 8	4	Pgh. or Big Vein	178	3	29	81	377	155,264.00			155,264.00			
Consolidation Coal Company	No. 9	2	Sewickley-Tyson	101	12	38	23	174	26,958.00			26,958.00			
Consolidation Coal Company	No. 10	1	Pgh. or Big Vein	50	7	8	15	68	9,600.00			9,600.00			
Consolidation Coal Company	No. 11	8	Sewickley-Tyson	36	3	7	15	262	32,960.00			32,960.00			
Consolidation Coal Company	No. 12	1	Pgh. or Big Vein	8	3	5	11	28	188.00			188.00			
Consolidation Coal Company	No. 13	8	Tyson	32	3	5	11	256	4,618.07			4,618.07			
Consolidation Coal Company	No. 14	1	Bakerstown	2	1	1	3	4	22.18			22.18			
Darby Brady	No. 1	1	Bakerstown	32	3	5	11	51	186.29			186.29			
Donald Coal Mines, Inc.	No. 2	1	Freepport	2	1	1	3	4	106.00			106.00			
Donald Coal Mines, Inc.	No. 3	1	Big Vein	2	1	1	3	12	2,987.00			2,987.00			
Charles J. Eagan	Eagan	1	Big Vein	2	1	1	3	255	1,832.00			1,832.00			
H. G. Evans	Borden	2	Bakerstown	2	1	1	3	197	1,586.23			1,586.23			
Ezra Michaels Coal Co.	Michaels No. 1	2	Big Vein	2	1	1	3	183	3,638.00			3,638.00			
Earl Fazenbaker	Fazenbaker	2	Big Vein	4	3	5	7	309	1,987.58			1,987.58			
Frostburg Mining Company	Spates No. 1	1	Parler	24	3	5	7	49							1 Morgan Garther, 1 Sullivan and 1 Goodman
George's Creek Barrellville Coal Co.	Parker	1	Parler	1	1	1	3	8							
George's Creek Coal Co., Inc.	No. 2	1	Sewickley	11	1	1	14	211	2,084.00			2,084.00			
George's Creek Coal Co., Inc.	No. 3	2	Bakerstown	55	5	5	7	80	8,954.00			8,954.00			
George's Creek Coal Co., Inc.	No. 4	2	Sewickley	12	1	1	15	218	62,326.00			62,326.00			
George's Creek Coal Mining Co.	Sonny No. 1	3	Pittsburgh	12	1	1	15	210	19,156.00			19,156.00			
Hanna Bros. Coal Co. (formerly Allegany Big Vein Coal Co.)	No. 3	1	Big Vein	85	6	14	19	188	72,599.45			72,599.45			
Guy Tibbig Coal Company	Phoenix No. 2	1	Big Vein	2	1	1	3	2	2,084.00			2,084.00			
Howard & Maybury	McKee No. 2	2	Big Vein	24	4	2	8	80	279.00			279.00			
Koontz Coal Company	Langham	2	Sewickley	30	3	6	5	175	25,899.45			25,899.45			
Langham & Boal	Langham	1	Sewickley	2	3	6	44	280	1,715.00			1,715.00			
A. MacMannis	Langham	2	Bakerstown	2	1	1	2	8	40,846.00			40,846.00			
McGowan Bros.	McNitt No. 2	2	Tyson	1	1	1	2	71 1/2	73.00			73.00			
McNitt Coal Company	Marva	2	Big Vein	34	4	6	5	1	381.75			381.75			
Marva Coal Company	Kingsland	2	Sewickley	8	1	1	49	134	10.00			10.00			
Maryland Coal Company	Midland	4	Big Vein	6	1	2	10	97	82,151.00			82,151.00			
Midland George's Creek Big Vein Co.	No. 1	2	Big Vein	58	6	2	71	125	4,423.65			4,423.65			
Midlothian Coal Company	No. 1	1	Big Vein	3	1	1	3	30	41,657.04			41,657.04			
		1	Tyson	4	1	1	7	130	425.00			425.00			
									3,088.05			3,088.05			

ALLEGANY COUNTY—Continued

Name of Company.	Name or Number of Mine.	Number of Openings.	Coal Seam Worked.	Distribution of Employees					Days Worked During Year.	Output Statistics			Accidents.		Mining Machines Used.	
				Miners.	Drivers.	Inside Laborers.	Outside Employees.	Total		Pck.	Machine.	Total	Fatal.	Non-Fatal.		
Midlothian Coal Company	No. 4	4	Big Vein	6	1	1	1	9	187	8,107.94	.....	8,107.94	.....	1	.....	.....
Moscow Geo. Creek Coal Mining Co.	No. 1	1	Big Vein	8	1	1	1	12	149	8,004.00	.....	8,004.00	.....	1	.....	.....
Moscow Geo. Creek Coal Mining Co.	No. 2	1	Big Vein	3	1	1	1	6	136	1,152.00	.....	1,152.00	.....	1	.....	.....
Moscow Geo. Creek Coal Mining Co.	No. 3	1	Bakerstown	7	.....	.....	.....	8	98	1,746.00	.....	1,746.00	.....	1	.....	.....
Mt. Savage Fuel Company	.....	1	Brush Creek	25	1	5	2	33	242	18,546.00	.....	18,546.00	.....	6	.....	.....
Mt. Savage & Geo. Creek Coal Co.	Mt. Savage No. 2	1	Blue Baugh	52	2	21	6	81	232	58,870.65	.....	58,870.65	.....	10	.....	2 Jeffrey Arc-Wall
Mt. Savage Mining Company	Liberty	1	Maynaider	24	3	16	4	47	228	28,132.19	.....	28,132.19	.....	9	.....	.....
North Maryland Coal Mining Co.	Montel	1	Lr. Kittanning	16	1	3	2	22	83	4,794.00	.....	4,794.00	.....	.....	.....	.....
Old Colony Coal Company	.....	5	Bakerstown	7	2	3	2	14	9	420.00	.....	420.00	.....	.....	.....	.....
Piedmont & George's Creek Coal Co.	Rovory Furnace No. 2	1	Tyson	62	38	13	113	165	9	37,768.20	.....	25,694.55	.....	13	.....	.....
Piedmont & George's Creek Coal Co.	Washington No. 1	1	Lr. Kittanning	20	6	4	30	224	165	17,410.60	.....	17,410.60	.....	6	.....	.....
Piedmont & George's Creek Coal Co.	Washington No. 5	2	Bakerstown	52	24	10	86	249	41	1,713.65	.....	47,330.75	.....	9	.....	.....
Porter-Huffa Coal Company	Moore	2	Big Vein	2	.....	.....	.....	3	2	293.20	.....	293.20	.....	.....	.....	.....
Potomac Cumberland Coal Co.	.....	3	Bakerstown	3	.....	.....	.....	3	181	2,086.00	.....	2,086.00	.....	.....	.....	.....
M. W. Race Fuel Mine	Casanova No. 3	1	Big Vein	2	1	.....	.....	3	16	42.09	.....	42.09	.....	.....	.....	.....
Reese Harris Fuel Mine	Wash. Hollow	1	Upper Tyson	3	.....	.....	.....	3	229	1,133.00	.....	1,133.00	.....	.....	.....	.....
Shaw Coal Company	.....	1	Franklin	1	1	.....	.....	1	28	88.00	.....	88.00	.....	.....	.....	.....
Solomon Coal Company	.....	1	Big Vein	1	1	.....	.....	2	42	150.00	.....	150.00	.....	.....	.....	.....
Stewart Coal Company	.....	1	Big Vein	2	.....	.....	.....	2	89	312.00	.....	312.00	.....	.....	.....	.....
Sullivan Bros. Coal Co.	.....	1	Bluebaugh	1	.....	.....	.....	1	75	82.00	.....	82.00	.....	.....	.....	.....
Supply Coal Company	.....	1	Bakerstown	15	.....	.....	.....	15	169	787.00	.....	787.00	.....	1	.....	.....
Supply Coal Company	.....	1	.....	7	1	2	.....	10	56	676.00	.....	676.00	.....	1	.....	.....
Union Mining Company	Brick Yard	1	Mt. Savage	2	1	2	.....	5	244	5,634.35	.....	5,634.35	.....	1	.....	1 C. E.-9
United States Big Vein Coal Co.	Union No. 3	1	Big Vein	11	2	5	1	19	210	7,530.75	.....	7,530.75	.....	3	.....	1 C. E.-9
United States Big Vein Coal Co.	.....	2	Big Vein	8	1	.....	.....	9	30	289.04	.....	289.04	.....	.....	.....	1 Sullivan Morgan-Gardner
Vincent Engle & Sons	.....	1	Big Vein	3	.....	.....	.....	3	79	929.00	.....	929.00	.....	.....	.....	.....
Waddell, Douglas	No. 1 Waddell	1	Big Vein	3	.....	.....	.....	3	212	1,349.75	.....	1,349.75	.....	.....	.....	.....
Westernport Coal Company	No. 1	1	Lr. Kittanning	7	1	1	1	10	60	2,208.75	.....	2,208.75	.....	.....	.....	.....
Westernport Coal Company	No. 2	1	Bakerstown	6	1	1	1	10	30	691.10	.....	691.10	.....	.....	.....	.....
West Virginia Pulp & Paper	Devon	1	Brookville	40	2	32	8	80	65	17,464.00	.....	17,464.00	.....	.....	.....	.....
Workman, C. O.	Big Vein	1	Big Vein	3	.....	.....	.....	3	272	5,711.00	.....	5,711.00	.....	.....	.....	.....
				1761	146	427	347	2691	12,553	1,126,970.97	.....	275,682.60	.....	1	280	.....

FIRE CLAY MINES, ALLEGANY COUNTY

Name of Company.	Name or Number of Mine.	Number of Openings.	Coal Seam Worked.	Distribution of Employees					Days Worked During Year.	Output Statistics			Accidents.		Mining Machines Used.		
				Miners.	Drivers.	Inside Laborers.	Outside Employees.	Total		Pck.	Machine.	Total	Fatal.	Non-Fatal.			
Andrew Ramsay Company	Ellerslie	1	Clay	8	4	15	5	34	302	944.00	.....	944.00	.....	2	.....	.....
Big Savage Fire Brick Co.	No. 1	1	Clay	10	4	15	4	34	309	18,839.79	.....	18,839.79	.....	.....	.....	.....
Savage Mountain Fire Brick Co.	No. 6	1	Clay	12	2	20	4	20	249	7,909.00	.....	7,909.00	.....	.....	.....	.....
Union Mining Company	No. 5-No. 6	1	Clay	31	5	10	10	56	106	14,632.00	.....	14,632.00	.....	.....	.....	.....
Union Mining Company	No. 5-No. 6	2	Clay	32	6	11	32	81	128	19,069.00	.....	19,069.00	.....	.....	.....	.....
Union Mining Company	No. 6 Strip	2	Clay	88	17	38	52	195	1094	8,853.00	52,600.79	15	5 D. P. 33 Air Drills

GARRETT COUNTY

Name of Company.	Name or Number of Mine.	Number of Openings.	Coal Seam Worked.	Distribution of Employees				Days Worked During Year.	Output Statistics			Accidents.		Mining Machines Used.	
				Miners.	Drivers.	Inside Laborers.	Outside Employees.		Total.	Pick.	Machine.	Total.	Fatal.		Non-Fatal.
W. D. Althouse & Co.	Georgian	1	Freeport	21	1	2	6	30	160 1/2	99,633.00	19,828.56	19,828.56	1	6	
Blaine Mining Company	Potomac Manor 1	1	Kittanning or Davis 6-ft.	65	10	6	22	103	228	17,442.00	.....	.....	1	7	
Bloomington Coal Company	No. 4	1	Kittanning	16	3	1	4	24	210	125.00	.....	.....	1	3	
Bloomington Coal Company	Brookville	1	Brookville	2	.....	.....	.....	2	20	38,744.00	77,560.00	115,704.00	2	55	2 Slabbing; 1 Short-wall (Goodman)
Davis Coal & Coke Co.	Kempton No. 42	1	Kittanning	89	.....	38	15	142	152	397.43	.....	.....	.....	.....
Dodson Bituminous Coal Corp.	Arnold	1	Kittanning	2	.....	.....	.....	2	.....	59,371.00	.....	.....	.....	13	
Hamil Coal & Coke Co.	Hanhill	2	Kittanning	57	12	5	15	89	214	2,410.00	.....	.....	.....	1	
Hamil Coal & Coke Co.	Trout	1	Kittanning	17	2	2	4	25	49	2,410.00	.....	.....	.....	3	
Hamil Coal & Coke Co.	Freeport	1	Freeport	19	5	2	5	31	177	18,401.00	.....	.....	.....	3	
Hamil Coal & Coke Co.	Little Wagon	1	Kittanning	1	.....	.....	.....	1	.....	735.00	.....	.....	.....	7	
McCullough Coal Corp.	No. 1	1	C. Prime	12	2	6	3	23	172	559.00	18,763.00	19,322.00	1	6	
McMahon Bros.	Yoder	1	C. Prime	1	.....	.....	.....	1	10	24.00	.....	.....	.....	.....
Manor Coal Company	No. 1	1	Lt. Kittanning or "B" Seam	30	8	5	9	52	232 1/2	21,911.00	21,760.00	43,671.00	1	6	
Manor Coal Company	No. 2	1	Clarion or "A" Prime	31	3	5	5	44	222	2,955.00	39,945.00	42,900.00	.....	8	
Myers Coal Company	Beachy	1	C-Prime	2	1	1	.....	4	171	2,833.00	.....	.....	.....	1	
G. C. Pattison	Price 1-2	2	Bakerstown	6	.....	.....	.....	16	46	172.88	.....	.....	.....	.....
Plymouth Coal Mining Co.	Peerless	3	Freeport	36	5	3	8	52	60	243.00	.....	.....	.....	.....
Potomac Valley Coal Co.	No. 1 Bakerstown	1	Freeport	50	6	8	8	81	243	10,328.74	.....	.....	.....	2	
R. J. Ross Coal Mines, Inc.	No. 6 and No. 7	2	Upper Kittanning	14	3	3	8	28	133	18,609.29	46,309.20	64,918.49	1	6	
R. J. Ross Coal Mines, Inc.	Shrout	2	Kittanning	2	1	.....	.....	3	133	16,357.71	.....	.....	.....	5	
A. G. Shrout	Louise	2	Kittanning	2	.....	.....	.....	3	.....	640.50	.....	.....	.....	.....
Smith & Sweeney	Standard	1	Clarion	3	3	2	2	31	94	1,072.00	.....	.....	.....	.....
Standard Coal Co.	Stanton	1	Upper Freeport	24	.....	.....	.....	1	.....	5,515.15	.....	.....	.....	.....
C. Earl Stanton	George Moreland	2	Kittanning	1	.....	.....	.....	1	66	252.00	.....	.....	.....	.....
Table Rock Coal Company	No. 2	1	Lower Freeport	3	.....	.....	.....	4	164	2,164.00	.....	.....	.....	.....
Mebrin Weimer	No. 2	1	Lower Kittanning	20	3	1	1	6	161	2,223.00	.....	.....	.....	2	
T. H. Wilson, Lessee	Wolf Den	1	Lower Kittanning	75	6	11	25	117	200	3,371.00	.....	.....	.....	11	
Wolf Den Coal Company	Yough	3	Clarion	2	1	1	1	5	67	62,685.23	44,391.20	107,076.43	.....	.....	3 Arc-wall, 1 Short-wall.
Yough Coal Company		1		2	1	1	1	5	67	671.00	.....	.....	.....	.....
				614	77	103	151	945	3510	389,245.98	268,556.96	657,802.89	8	139	

NAMES OF SUPERINTENDENTS AND MINE FOREMEN, ALLEGANY COUNTY, CALENDAR YEAR 1924

Name of Company	Mine	Superintendent	Mine Foreman
Allegany Coal Co.	Tacoma 2-4	R. C. Roberts	John Rankin
Andrew Brode, Sr., & Son	Brode	Andrew Brode, Jr.	Andrew Brode
Annan & Jeffries	Union 1-2	W. H. R. Thomas	W. H. R. Thomas
Arch Michaels Coal Co.	Michaels	Arch Michaels	John Snyder
D. A. Benson			Eugene Stevens
Big Vein Coal Company of Lonaconing	Castle Run	John L. Casey	H. Langham
Boal & Langham	Langham	D. C. Boal	Joseph Jenkins
Brailer Mining Co.	Big Vein 1	George C. Brailer	Frank Jones
Brydon Bros. Coal Corp.	Caledonia	James E. Darrow	
Brydon Bros. Coal Corp.	Covamandel		
Brydon Bros. Coal Corp.	Moscow		
Burner Coal Mining Co.	Pekin		
Campbell Bros. Fuel Mine	Burmer No. 6		
Campbell Coal Co., Inc.	Franklin	T. S. Harris	T. A. Harris
Chapman Coal Co., Inc.	Hampshire	Michael J. Campbell	Harry S. Wilson
Chapman Coal Mining Co.	Swanton Mines	Thos. D. Campbell	William Rogan and George Crow
Consolidation Coal Co.	No. 1	J. D. Frenzel	Randolph Ashby
Consolidation Coal Co.	No. 3	G. M. Gillette	Peter Hoyer
Consolidation Coal Co.	No. 4	"	R. L. Edwards
Consolidation Coal Co.	No. 7	"	Hugo Rempel
Consolidation Coal Co.	No. 9	"	Richard Hawkins
Consolidation Coal Co.	No. 10	"	Frank Carter
Consolidation Coal Co.	No. 12	"	Frank Williams
Consolidation Coal Co.	No. 13	"	A. C. Neal
Consolidation Coal Co.	No. 16	"	Charles Shields
Consolidation Coal Co.	Conway No. 1	"	Michael McGeary
Cumberland Big Vein, Coal	Nos. 1-2-3	J. W. Kretzburg	J. W. Kretzburg
Donald Coal Mines, Inc.		John M. Kight	W. S. Barnard
Frostburg Big Vein Coal Co.		W. H. R. Thomas	
Frostburg Mining Co.	Spates No. 1	Frank H. Spates	Frank Entler
George's Creek-Barrellsville Coal Co.	Parker	Clyde J. Rowe	Clyde J. Rowe
George's Creek Coal Co., Inc.	G. C. No. 2	John R. Hamilton	Nathaniel Somerville
George's Creek Coal Co., Inc.	Sewickley 4	John R. Hamilton	Nathaniel Somerville
George's Creek Coal Co., Inc.	Pittsburgh 2	John R. Hamilton	Nathaniel Somerville
George's Creek Coal Mining Company	Sonny	Louis F. Gordetz	Frank Quinn
Hanna Bros. Coal Company	No. 3	James A. Hanna	James A. Hanna
Hoffa Bros. Coal Company	Phoenix	William Hyde	Chester Hyde
Koontz Coal Co.	McKee-2	R. T. Shaw	Walter Kallmyer
McGowan Bros.		Jno. E. McGowan	
McNitt Coal Co.	McNitt-2	James Jenkins	John Fatkin
Marva Coal Co.	Marva	Jos. G. Martin	Jos. G. Martin
Maryland Coal Co.	Kingsland	Elkins Read	R. R. Merzbach
Howard & Maybury		R. H. Maybury	Sim Groves
Midland Geo. Creek Big Vein Coal Co.		Clarence Fletcher	

NAMES OF SUPERINTENDENTS AND MINE FOREMEN, ALLEGANY COUNTY, CALENDAR YEAR 1924

Name of Company	Mine	Superintendent	Mine Foreman
Middlebrian Coal Co.	Tyson 1-4	William M. Walters	Fd. Shaw
Moscow George's Creek Coal Mining Co.	Nos. 1-2	J. W. P. Somerville	E. R. Brennan
Moscow George's Creek Coal Mining Co.	No. 3	L. R. Barth	Harry Retzer
Mount Savage Fuel Company	No. 2	H. B. Avery	Frank Diehl
Mt. Savage-George's Creek Coal Co.	Liberty	B. H. Biays	William Hartley
Mt. Savage-Mining Co.	Montel	Thos. Richardson	Raymond J. Henry
North Maryland Coal Mining Company	Bowery Furnace No. 2	Joseph Small	George Diehl
Old Colony Coal Co.	Washington 1	Harry C. Hitchins	L. M. Hellyer and W. P. Brophy
Piedmont & George's Creek Coal Co.	Washington 5	Jacob Cosgrove	John D. Wallace and Howard Sutherland
Piedmont & George's Creek Coal Co.	Moore	O. T. Porter	O. T. Porter
Porter & Hoffa Coal Co.	Casnovoe No. 3	Marshall Porter	Frank Stowell
Porter & Krsitzburg	Wash. Hollow	Frank Stowell	R. Harris
Potomac & Cumberland Coal Co.	Fuel Mine	Reese Harris	John P. Barry
M. W. Rees	No. 1	Thomas Smith	Bernard D. Brynes
Reese Harris Co.	No. 3	Robert Griffith	Joseph Robertson
Shaw Coal Co.		John A. Sullivan	Albert Deffenbaugh
Stuart Coal Co.		John A. Sullivan	H. W. Rowe
Sullivan Bros. Coal Co.		John A. Sullivan	William Engle
Sullivan Bros. Coal Co.		John A. Sullivan	Thomas Dailey
Supply Coal Co.		John A. Sullivan	J. P. Brown
Union Mining Co.		John A. Sullivan	C. O. Workman
United Big Vein Coal Co.	No. 2	S. J. Aldron	
United Engle & Sons	Devon	H. W. Rowe	
Westernport Coal Co.		William Engle	
West Virginia Pulp and Paper Co.		Thomas Dailey	
C. O. Workman		Wm. E. Brown	
		C. O. Workman	

NAMES OF SUPERINTENDENTS AND MINE FOREMEN, ALLEGANY COUNTY, FIRE CLAY MINES CALENDAR YEAR 1924

Name of Company	Mine	Superintendent	Mine Foreman
Andrew Ramsay Co.	Ellerslie	Hugh Stevenson	Henry Lowery
Big Savage Fire Brick Company	No. 1	G. A. Shuckhart	Clarence Raley
Savage Mountain Fire Brick Co.	No. 6	S. J. Aldron	Charles Wolfe
Union Mining Company			Joseph Finzel

NAMES OF SUPERINTENDENTS AND MINE FOREMEN, GARRETT COUNTY, CALENDAR YEAR 1924

Name of Company	Mine	Superintendent	Mine Foreman
W. D. Althouse & Co.	Georgian	G. W. Yeager	G. W. Yeager
Billmeyer Coal Co.	Billmeyer	Ray Billmeyer	Ray Billmeyer
Blaine Mining Co.	Potomac Manor	George Boyd	George Campbell
Bloomington Coal Co.	No. 4	John J. Tibbitts	Charles Warnick
Davis Coal & Coke Co.	No. 42	Walter Iman	Oscar Wolfe
Dodson Bituminous Coal Corp.	Arnold	C. N. Morgan	
Garrett County Coal & Mining Co.	Hamill 6-ft.	C. N. Morgan	
Hamill Coal & Coke Co.	Freeport	J. A. Shore	Jesse Walker
Hamill Coal & Coke Co.	Trout	R. A. Smith	C. Ray Gough
Hamill Coal & Coke Co.	Hoover	R. A. Smith	George W. Pritts
George Hoover	No. 1	Roy Wilburn	
McCullough Coal Corp.	No. 1	C. Roberts	C. Roberts
McKanwig Coal Co.	Nethkin	David Frogett	
McMahon Bros.	Yoder	Leonard Shaffer	
Manor Coal Co.	No. 1	Wm. Crichton, Jr.	R. H. Yokum
Manor Coal Co.	No. 2	Wm. Crichton, Jr.	R. E. Diveley
R. A. Miller	No. 2	R. A. Miller	
Myers Coal Co.	Beachy	Norman Patton	
G. C. Pattison	Pendergast	E. D. Casteel	George Brendlen
Pendergast & Ashby	Price 1-2	R. J. Butts	E. D. Casteel
Plymouth Coal Mining Co.	Peerless	Otis E. Abernathy	R. J. Butts
Potomac Valley Coal Co.	Bakerstown	L. R. Kight	W. D. Walker
R. J. Ross Coal Mines	Kittanning	L. R. Kight	J. P. Guy
R. J. Ross Coal Mines	Louise	J. A. Smith	Luther Evans
Smith & Sweeney	Standard	Charles E. Southern	W. W. Harvey
Standard Coal Co.	No. 2	Geo. Moreland	A. D. Conneway
Table Rock Coal Co.	No. 2	Melvin Weimer	
Malvin Weimer	No. 2	T. H. Wilson	Claude Rohrbaugh
T. H. Wilson, Lessee	Wolf Den	Thomas Griffiths	W. R. Jones
Wolf Den Coal Co., Inc.	Yough		D. T. Ashby
Yough Coal Co.			

NAMES OF OFFICERS, ALLEGANY COUNTY, CALENDAR YEAR 1924

Name of Company	Principal Office	President's Name and Address	Secretary's Name and Address
Allegany Coal Co.	Franklin, Md.	E. J. Roberts, Westernport, Md.	Eldred Roberts, Westernport, Md.
Andrews Brode, Sr., & Son	Frostburg, Md.	Andrew Brode, Sr., Frostburg, Md.	Andrew Brode, Jr., Frostburg, Md.
Annan & Jeffries	Frostburg, Md.	R. Annan, Frostburg, Md.	C. S. Jeffries
Archadia Coal Co.	Barton, Md.	J. J. McDonald, Barton, Md.	J. T. Dobbie, Lonaconing, Md.
Arch Michaels Coal Co.	Barton, Md.		
Wm. H. Barnes & Son	Midlothian, Md.		
D. A. Benson	Allegany, Md.		
Big Vein Coal Company of Lonaconing, Inc.	Lonaconing, Md.	A. K. Althouse, 1119 Liberty Bldg., Philadelphia, Pa.	W. D. Althouse, 1119 Liberty Bldg., Philadelphia, Pa.
Beal & Langham	Barton, Md.		
Brailer Mining Co.	Mt. Savage, Md.	Geo. C. Brailer, Mt. Savage, Md.	David Brailer, Mt. Savage, Md.
Brydon Bros. Coal Corp.	Piedmont, W. Va.	H. P. Brydon, Piedmont, W. Va.	H. G. Fisher, Keyser, W. Va.
Burtner Coal Mining Corp.	Osceola Mills, Pa.	C. F. Burtner, 1003 Finance Bldg., Philadelphia, Pa.	E. A. Burtner, Osceola Mills, Pa.
Campbell Bros. Fuel Mine	Midland, Md.	M. J. Campbell	
Campbell Coal Co. Inc.	Piedmont, W. Va.	Thos. D. Campbell	J. L. Chapman, Baltimore, Md.
Chapman Coal Mining Co.	Baltimore, Md.	W. J. Chapman, Baltimore, Md.	
Consolidation Coal Co.	67 Wall St., New York City	C. W. Watson, New York City.	
Cumberland Big Vein Coal Co.	Cumberland, Md.	L. Lee Lightenstein, Cumberland, Md.	
Darby Brady	Frostburg, Md.	Darby Brady, Frostburg, Md.	
Donald Coal Mines, Inc.	Westernport, Md.	R. J. Ross, Westernport, Md.	Thos. D. Campbell, Piedmont, W. Va.
Douglas Waddell	Lonaconing, Md.	Chas. J. Eagan, Midland, Md.	
Eagar Mine	Midland, Md.		
H. G. Evans	Frostburg, Md.	R. Annan, Frostburg, Md.	C. S. Jeffries, Frostburg, Md.
Frostburg Big Vein Coal Company	Frostburg, Md.	Frank H. Spates	J. Glenn Beall
Frostburg Mining Co.	Frostburg, Md.	Geo. Henderson, Cumberland, Md.	Wm. A. Gunter, Cumberland, Md.
George's Creek-Barrelville Coal Co.	Cumberland, Md.	H. E. Weber, Cumberland, Md.	Carl C. Hetzel, Cumberland, Md.
George's Creek Coal Co., Inc.	Cumberland, Md.	E. S. Reilly, Peoples Bank Bldg., Pittsburgh, Pa.	L. A. Quinlivan, Peoples Bank Bldg., Pittsburgh, Pa.
George's Creek Coal Mining Co.	Pittsburgh, Pa.	Mrs. Annie Green	
J. O. J. Greene Coal Co.	Westernport, Md.	A. F. Green	Ulysses Hanna, 84 Broadway, Frostburg, Md.
Green's Coal Co.	Lonaconing, Md.	Jas. A. Hanna, 29 Beall St., Frostburg, Md.	
Hanna Bros. Coal Co.	64 Broadway, Frostburg, Md.		
Guy Helbig	Mt. Savage, Md.	Guy Helbig	Estelle Hoffa, Barton, Md.
Hoffe Bros. Coal Co.	Barton, Md.	A. P. Hoffa, Barton, Md.	Benj. T. Bradley, Frostburg, Md.
Koontz Coal Co.	Frostburg, Md.	Wm. Jenkins, Frostburg, Md.	
Little Pittsburgh Coal Co.	Lonaconing, Md.	A. J. Green, Lonaconing, Md.	Frank McGowan, Midland, Md.
McGowan Bros.	Midland, Md.	Jno. E. McGowan, Midland, Md.	Jonathan Jenkins, Baltimore, Md.
McNitt Coal Co.	Frostburg, Md.	Jas. H. Fuller, Frostburg, Md.	
A. MacMannis	66 Broadway, Frostburg, Md.		Norman E. Fryer, Baltimore, Md.
Marva Coal Co.	125 E. Fayette St., Baltimore, Md.	Henry G. Von Heine, Baltimore, Md.	H. S. Rogers
Maryland Coal Company	25 Beaver St., New York City	J. W. Galloway	Robert H. Maybury, Piedmont, W. Va.
Maybury & Howard	Piedmont, W. Va.	C. E. Howard, Piedmont, W. Va.	

NAMES OF OFFICERS, ALLEGANY COUNTY—Continued

Name of Company	Principal Office	President's Name and Address	Secretary's Name and Address
Midland George's Creek Big Vein Co. Middleton Coal Co. Moscow-George's Creek Coal Mining Company	Cumberland, Md. Cumberland, Md.	Jos. Ravenscroft, Keyser, W. Va. Carl C. Hetzel J. W. P. Somerville, Cumberland, Md.	O. D. Robison, Frostburg, Md. Robt. C. Stallnics W. A. S. Somerville, Cumberland, Md.
Mt. Savage Fuel Co. Mt. Savage & George's Creek Coal Company	Cumberland, Md. Mt. Savage, Md.	L. R. Barth, Mt. Savage, Md. Harry Finn Leonard & Scholes, Brooklyn, N. Y.	Clinton Uhl, Mt. Savage, Md. H. B. Avery, Mt. Savage, Md.
Mt. Savage Mining Co. North Maryland Coal Mining Co. Old Colony Coal Co. Piedmont & George's Creek Coal Co.	Cumberland, Md. Pittsburgh, Pa. Cumberland, Md. Frostburg, Md.	B. H. Biays, Cumberland, Md. Park J. Alexander, Pittsburgh, Pa. John D. Roberts, Cumberland, Md. John S. Brophy, Frostburg, Md.	J. W. Young, Cumberland, Md. J. F. Walton, Pittsburgh, Pa. Arthur B. Gibson, Cumberland, Md. John Keating, Cumberland, Md.
Porter-Hoffa Coal Co. Porter & Kretzberg Potomac & Cumberland Coal Co.	Barton, Md. Eckhart, Md. Mt. Savage, Md.	O. T. Porter, Barton, Md. Marshall Porter Francis Stowell	John Keating, Cumberland, Md. Frank Stowell
M. W. Itace Reese Harris Fuel Mine Shaw Coal Co. Solomon Brode	Mt. Savage, Md. Frostburg, Md. Moscow, Md. Frostburg, Md.	Reese Harris, Frostburg, Md.	Robert Griffith William J. Sullivan, Frostburg, Md.
Stewart Coal Co. Sullivan Bros. Coal Co. Supply Coal Co. Union Mining Co.	Frostburg, Md. Frostburg, Md. Barton, Md. Mt. Savage, Md.	A. C. Stewart, Frostburg, Md. Dennis J. Sullivan, Frostburg, Md. F. H. Gallagher, Barton, Md. Roberdeau Annan C. F. Rowe, Meyersdale, Pa.	T. H. Rowe, Meyersdale, Pa.
United Big Vein Coal Co. Vincent Engle & Sons Westernport Coal Co. West Virginia Pulp & Paper Co.	Mt. Savage, Md. Eckhart, Md. Barton, Md. Frostburg, Md.	Vincent Engle Thomas Dauley, Westernport, Md. David L. Luke, 200 Fifth Ave., N. Y. City.	A. P. Hoffa, Barton, Md. Charles Cass, 200 Fifth Ave., N. Y. City.
C. O. Workman	New York City		

NAMES OF OFFICERS, FIRE CLAY MINES, ALLEGANY COUNTY, 1924

Name of Company	Principal Office	President's Name and Address	Secretary's Name and Address
Andrew Ramsay Co. Big Savage Fire Brick Co. Savage Mountain Fire Brick Co. Union Mining Co.	Mt. Savage, Md. Allegheny, Md. Frostburg, Md. Mt. Savage, Md.	Henry Shriver, Cumberland, Md. D. Armstrong, Frostburg, Md. John A. Caldwell, Frostburg, Md. Roberdeau Annan	Wm. Hopkins, Mt. Savage, Md. E. J. Clark, Frostburg, Md. F. W. Beettner, Frostburg, Md.

NAMES OF OFFICERS, GARRETT COUNTY, CALENDAR YEAR 1924

Name of Company	Principal Office	President's Name and Address	Secretary's Name and Address
W. D. Althouse & Co. Billmeyer Coal Co. Blaine Mining Co. Bloomington Coal Co. Davis Coal & Coke Co. Dodson Bituminous Coal Corp. Garrett County Coal & Mining Co. Hamill Coal & Coke Co. George Hoover McCullough Coal Corp. McKanwig Coal Co. McMahon Bros. Manor Coal Co.	1119 Liberty Bldg., Philadelphia, Pa. Jennings, Md. No. 1 Broadway, New York City. Grafton, W. Va. Cumberland, Md. Bethlehem, Pa. Bethlehem, Pa. Blaine, W. Va. Jennings, Md. Friendsville, Md. Philipsburg, Pa. Frostburg, Md. U. S. Nat'l Bank Bldg. Johnstown, Pa. Jennings, Md. Grantsville, Md. Bloomington, Md. Hutton, Md. Gorman, W. Va. Kitzmiller, Md. Westernport, Md. Oakland, Md. Vindex, Md. Kitzmiller, Md. Grantsville, Md. Oakland, Md. Oakland, Md. Vindex, Md. 25 Beaver St., New York City Crellin, Md.	W. D. Althouse, 1119 Liberty Bldg., Philadelphia, Pa. Ray Billmeyer, Jennings, Md. T. B. Davis, New York City. L. B. Brydon, Grafton, W. Va. A. W. Callaway, Baltimore, Md. T. M. Dodson, Bethlehem, Pa. T. M. Dodson, Bethlehem, Pa. R. A. Smith, Blaine, W. Va. J. W. McCullough, Friendsville, Md. S. H. Wigton, Philadelphia, Pa. Hugh C. McMahon, Frostburg, Md. A. B. Crichton, Johnstown, Pa. J. A. Beachy M. W. Pendergast W. A. Price, Gorman, W. Va. R. M. Hite, Fairmont, W. Va. R. J. Ross, Westernport, Md. Chas. E. Scothern George Moreland, Gorman, W. Va. T. H. Wilson, Lessee W. A. Marshall, 25 Beaver St., N. Y. City D. T. Ashby, Crellin, Md.	Joe Poole, New York City. E. L. Mack, Bethlehem, Pa. E. L. Mack, Bethlehem, Pa. J. A. Shore T. C. McCullough, Friendsville, Md. H. A. Crichton, Johnstown, Pa. C.A. Bender Willard J. Raffetto, Fairmont, W. Va. J. B. Mullen, Piedmont, W. Va. H. L. Pool J. D. Kline, 25 Beaver St., New York City.
R. A. Miller Myers Coal Co. G. C. Pattison Pendergast & Ashby Plymouth Coal Mining Co. Potomac River Coal Co. R. J. Ross Coal Mines, Inc. A. G. Shrout Smith & Sweeney Standard Coal Co. C. Earl Stanton Table Rock Coal Co. Melvin Weimer T. H. Wilson, Lessee Wolf Den Coal Co. Yough Coal Co.			

TONNAGE FOR ALLEGANY COUNTY, CALENDAR YEAR 1924

Allegany Coal Company.....	4,384.87
Andrew Brode Sr., & Son.....	820.00
Annan & Jeffries.....	16,194.00
Arcadia Coal Company.....	9,036.90
Arch Michaels Coal Company.....	1,536.00
William H. Barnes & Son.....	90.00
D. A. Benson.....	6,034.60
Big Vein Coal Company of Lonaconing.....	13,783.91
Boal and Langham.....	73.00
Brailer Mining Company.....	34,647.00
Brydon Bros. Coal Corporation.....	27,977.00
Burtner Coal Mining Co., Inc.....	14,917.00
Campbell Bros. Fuel Mine.....	1,244.00
Campbell Coal Company, Inc.....	80,439.59
Chapman Coal Mining Company.....	23,925.00
Consolidation Coal Company.....	487,911.00
Darby Brady.....	168.00
Donald Coal Mines, Inc.....	33,400.49
Douglas Waddell.....	1,349.75
Eagan Mine.....	106.00
H. G. Evans.....	2,937.00
Ezra Michaels Coal Company.....	1,832.00
Earl Fazzenbaker.....	1,596.23
Frostburg Mining Company.....	3,639.00
George's Creek Barrellville Coal Co. (formerly C. J. Rowe & Co.).....	1,937.53
George's Creek Coal Company, Inc.....	90,436.00
George's Creek Coal Mining Company.....	72,599.45
Hanna Bros. Coal Company (Formerly Allegany Big Vein Coal Co.).....	2,084.00
Guy Helbig.....	279.00
Hoffa Bros. Coal Company.....	25,399.45
Howard & Maybury.....	1,715.00
Koontz Coal Company.....	40,846.00
A. MacMannis.....	381.75
McGowan Bros.....	10.00
McNitt Coal Company.....	32,151.00
Marva Coal Company.....	4,423.65
Maryland Coal Company.....	41,657.04
Midland George's Creek Big Vein Company.....	425.00
Midlothian Coal Company.....	11,145.99
Moscow George's Creek Coal Mining Company.....	10,902.00
Mount Savage Fuel Company.....	18,546.00
Mt. Savage & George's Creek Coal Company.....	62,829.80
Mount Savage Mining Company.....	28,132.19
North Maryland Coal Mining Company.....	5,202.00
Old Colony Coal Company.....	420.00
Piedmont & George's Creek Coal Company.....	128,204.10
Porter-Hoffa Coal Company.....	293.20
Porter & Kretzburg.....	2,086.00
Potomac Cumberland Coal Company.....	42.09
M. W. Race.....	1,133.00
Reese Harris Fuel Mine.....	88.00
Shaw Coal Company.....	150.00
Solomon Brode.....	312.00
Stewart Coal Company.....	82.00
Sullivan Bros. Coal Company.....	9,564.00
Supply Coal Company.....	676.00
Union Mining Company.....	13,165.10

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United Big Vein Coal Company.....	289.04
Vincent Engle & Sons.....	929.00
Westernport Coal Company.....	2,899.85
West Virginia Pulp and Paper Company.....	17,464.00
C. O. Workman.....	5,711.60
Total	1,402,653.57

**TONNAGE FOR FIRE CLAY MINES, ALLEGANY COUNTY,
CALENDAR YEAR 1924**

Andrew Ramsay Company.....	944.00
Big Savage Fire Brick Company.....	18,839.79
Savage Mountain Fire Brick Company.....	7,909.00
Union Mining Company.....	33,761.00
Total	61,453.79

TONNAGE FOR GARRETT COUNTY, CALENDAR YEAR 1924

W. D. Althouse & Company.....	19,828.56
Blaine Mining Company.....	99,633.00
Bloomington Coal Company.....	17,567.00
Davis Coal and Coke Company.....	115,704.00
Dodson Bituminous Coal Corporation.....	397.43
Hamill Coal & Coke Company.....	80,917.00
McCullough Coal Corporation.....	19,322.00
McMahon Bros.....	24.00
Manor Coal Company.....	86,571.00
Myers Coal Company.....	2,833.00
G. C. Pattison.....	172.88
Plymouth Coal Mining Company (Formerly W. A. Price Company).....	243.00
Potomac Valley Coal Company.....	10,328.74
R. J. Ross Coal Mines, Inc.....	81,276.20
A. G. Shrout.....	640.50
Smith & Sweeney (Louise Mine leased from Potomac Valley Coal Company).....	1,072.00
Standard Coal Company.....	5,515.15
C. Earl Stanton.....	252.00
Table Rock Coal Company.....	2,164.00
Melvin Weimer.....	2,223.00
T. H. Wilson, Lessee, No. 2.....	3,371.00
Wolf Den Coal Company.....	107,076.43
Yough Coal Company.....	671.00
Total	657,802.89

ALLEGANY COUNTY

Name of Company	Coal Area Worked Out. Acres	Estimated Acreage Yet to Mine	Veins of Coal Known to Be on Property, with Acreage of Each Supposed to Exist
Allegheny Coal Co.....	87	33	Freeport, 30 acres.
Andrew Brode, Sr., & Son.....	1	5	Upper Tyson
Annan & Jeffries (Big Vein).....	2	60	35 acres Big Vein; 25 acres Tyson.
Annan & Jeffries (Tyson).....	1	....	All other seams unknown.
Arch Michaels Coal Co.....	....	35	Five veins covering 5 acres.
D. A. Benson.....	1.26	....
Big Vein Coal Co. of Lonaconing....	710	....	Big Vein.
Brailer Mining Co.....	5	5	Little Pittsburgh, 231 acres. Franklin, 231 acres. Bakerstown, 231 acres. Maynaidier, 231 acres.
Burtner Coal Mining Co.....	5	460	Bakerstown (only seam developed).
Campbell Bros. Fuel Mine.....	1	200	
Campbell Coal Co. (Franklin).....	4½	115	Bakerstown.
Campbell Coal Co. (Franklin).....	....	....	Big Vein (old workings, acreage unknown).
Campbell Coal Co. (Franklin).....	....	....	Tyson (old workings, acreage unknown).
Campbell Coal Co. (Hampshire).....	45	2100	Bakerstown.
Campbell Coal Co. (Hampshire).....	....	....	Big Vein (old workings, very little left).
Campbell Coal Co. (Hampshire).....	....	....	Freeport (unknown).
Chapman Coal Mining Co.....	1	....	Big Vein (worked out).
Chapman Coal Mining Co.....	4½	65	Bakerstown, 250 acres.
Chapman Coal Mining Co.....	....	....	Tyson (worked out).
Consolidation Coal Company—Only partially worked out, no seams below the Big Vein having been developed.....	....	12774.380	Big Vein, 8928.35 acres. Tyson or Sewickley, 5527.90 acres. Red Stone, Lower Sewickley, Waynesburg, Washington and all other seams given in Maryland Geological Survey Report, acreage of which has not been defined.
Charles J. Eagan.....	....	....	Old workings.
Ezra Michaels Coal Co.....	1½	48½	Bakerstown.
Earl Fazzenbaker.....	....	1/8	
Frostburg Mining Co.....	1	....	Big Vein, old workings, cannot estimate acreage.
George's Creek-Barrellville Coal Co.	¾	1500	Parker, 1500 acres.
George's Creek Clean Coal Co.....	2 or 3	150	All seams with the exception of the Big Vein and those above.
George's Creek Coal Mining Co.....	12.30	537.70	Tyson, 670 acres. Waynesburg, 220 acres.
J. O. J. Greene Coal Co.....	1	300	Bakerstown, 300 acres. Upper and Lower Freeport, 345 acres. Kittanning (Davis 6 ft.), 345 acres. Split-Six, 345 acres. Clarion, 345 acres. Brookville, 345 acres.
Green's Coal Co.....	....	215	Little Pittsburgh, 200 acres. Tyson, 15 acres.
Guy Helbig.....	½	200	200 acres—Parker, Bluebaugh, Split Six, Middle and Lower Kittanning, Lower and Upper Freeport, Brushereek, Grantsville, Bakerstown and Maynaidier.
George Hoover.....	....	5½	
Howard & Maybury.....	1	5	Bakerstown, 5 acres. Lower Freeport, 9 acres.
A. MacMannis.....	¾	34¾	Tyson, 35 acres.
McKanwig Coal Co.....	25	360	Lower Kittanning, 400 acres.
Maryland Coal Co.....	4½	3050	Big Vein, 350 acres. Tyson, 400 acres. Waynesburg, 500 acres. Bakerstown, 1800 acres. Also Franklin, Freeports and probably Kittannings.

ALLEGANY COUNTY

Name of Company	Coal Area Worked Out. Acres	Estimated Acreage Yet to Mine	Veins of Coal Known to Be on Property, with Acreage of Each Supposed to Exist
Mt. Savage Fuel Co.....	4½	Brushcreek and Bakerstown, Upper Kittanning, 1332.227 acres. Lower Kittanning, 2,299¼ acres. Davis Seam, 3,000 acres. Big Vein, 8 acres. Tyson, 365 acres. Bakerstown, 525 acres. Lower Kittanning, 784 acres. Red Stone, 570 acres.
Mt. Savage-George's Creek Coal Co.	63.718	1268.509	
North Maryland Coal Co.....	¾	5.297½	
Piedmont & George's Creek Coal Co.	35.28	....
Porter-Hoffa Coal Co.....	5	155	Tyson, 36 acres. Not known.
M. W. Race.....	....	6
Reese Harris Fuel Mine.....	....	1½
Shaw Coal Co.....	1	30	
Steuart Coal Co.....	....	36
Sullivan Bros. Coal Co.....	2	1200	
Union Mining Co.....	....	5000
United Big Vein Coal Co.....	30	270	

FIRE CLAY MINES, ALLEGANY COUNTY

Name of Company	Coal Area Worked Out. Acres	Estimated Acreage Yet to Mine	Veins of Coal Known to Be on Property, with Acreage of Each Supposed to Exist
Big Savage Fire Brick Co.....	1.263	....
Union Mining Co.....	2.	....

GARRETT COUNTY

Name of Company	Coal Area Worked Out. Acres	Estimated Acreage Yet to Mine	Veins of Coal Known to Be on Property, with Acreage of Each Supposed to Exist
W. D. Althouse & Co.....	6	515	Freeport, 2,515 acres, Kittanning, 595 acres.
Billmeyer Coal Co.....	2½	8½	Kittanning, 700 acres. Freeport, 400 acres. Clarion, 900 acres. Not known. Lower Kittanning, 2411 acres. Clarion, 2589 acres. Lower Kittanning, 2411 acres. Clarion, 2589 acres. C. Prime, 174¾ acres. —, 180 acres. Kittanning, 350 acres. Clarion, 350 acres.
Blaine Mining Co.....	635	298	
Bloomington Coal Co.....	3½	50	
Davis Coal & Coke Co.....	17.80	1119.58	
Garrett County Coal & Mining Co.....	589	1274	
Hamill Coal & Coke Co.....	20	2000	
McCullough Coal Corporation.....	23	679	
Manor Coal Co. No. 1.....	8.7	2402	
Manor Coal Co. No. 2.....	10.7	2402	
Myers Coal Co.....	¾	174¾	
Potomac Valley Coal Co.....	1	299	
A. G. ShROUT.....	½	8	Lower Kittanning, 1075 acres. Upper Kittanning, unknown. Clarion, unknown.
Table Rock Coal Co.....	1	49	
Melvin Weimer.....	6	45	
Wolf Den Coal Co.....	125	1075	

IMPROVEMENTS, ALLEGANY COUNTY CALENDAR YEAR 1924

Arch Michaels Coal Company.....	Air Shaft.
Brydon Bros. Coal Corporation.....	Five-foot disc fan installed.
Campbell Coal Co.....	New tippie under construction.
Chapman Coal Mining Co. (Bakerstown).....	Main heading lye extended and clearance increased.
Chapman Coal Mining Co. (Big Vein).....	Spur of 1,000 ft. to new opening completed.
Consolidation Coal Co.....	Bottom No. 12 shaft retimbered with square timbers. Mines Nos. 13, 14 and 15 abandoned; Mine No. 7 worked out; Mine No. 11 combined with No. 10.
Donald Coal Mines, Inc.....	Larger fan installed; clearance made on main heading; new tippie under construction.
George's Creek-Barrellville Coal Co.....	Rebuilt fan house.
Howard & Maybury.....	Installed fan.
A. MacMannis.....	Advanced heading work.
Maryland Coal Co.....	Electrification of inside haulage; new shop; new rock dump.
Piedmont & George's Creek Coal Co.....	New rope on plane at No. 5.
Sullivan Bros. Coal Co.....	Electrification of plant; connection to power line.
Westernport Coal Co.....	No. 2 Bakerstown seam developed; new plane, disc fan and tippie.

IMPROVEMENTS, FIRE CLAY MINES CALENDAR YEAR 1924

Union Mining Co.....	5700-foot tram-road.
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IMPROVEMENTS, GARRETT COUNTY CALENDAR YEAR 1924

Bloomington Coal Co.....	Fan installed.
McKanwig Coal Co.....	Clearance made on main heading.
Wolf Den Coal Co.....	Bradford Breaker installed.
Melvin Weimer.....	Some finishing to one opening.
Standard Coal Co.....	Clearance on headings; fan changed; new foundation for scales.
R. J. Ross Coal Mines, Inc.....	New picking table and new steel tippie.

**DESCRIPTION OF MINES IN ALLEGANY COUNTY
FOR CALENDAR YEAR 1924**

ALLEGANY COAL COMPANY

R. C. Roberts.....Mine Foreman.

Tacoma Mines Nos. 2 and 4 are located on the west side of George's Creek, at Franklin. They are drift openings, working the Lower Kittanning and Bakerstown Coal seams. Ventilation is produced by fan driven by electric motors.

During the calendar year 1924, Tacoma No. 4 Mine employed 12 men, worked 127 days and produced 4,384.87 tons of coal. No. 2 mine was idle.

ANDREW BRODE, SR., & SONS

Andrew Brode.....Mine Foreman.

Brode Mine is located about one mile southwest of Frostburg, Md. It is a drift opening in the Upper Tyson coal seam; ventilation is by natural means. This is a new mine and coal is sold to domestic trade.

During the calendar year 1924 this mine employed 2 men, worked 175 days and produced 820 tons of coal.

ANNAN & JEFFRIES COAL COMPANY

W. H. R. Thomas.....Superintendent.

Albert Rice.....Mine Foreman, Union No. 1.

Union No. 1 Mine, Big Vein, is located at Zihlman and is a drift opening working the Big Vein seam of coal. Conditions are found to be satisfactory. Ventilation is produced by an electrically driven fan and is conducted to the working faces by means of doors, overcasts and stoppings.

During the calendar year 1924, this mine employed 23 men, worked 198 days and produced 12,625 tons of coal.

ANNAN & JEFFRIES COAL COMPANY

George Harvey.....Mine Foreman, Union No. 2.

Union No. 2 is located at Zihlman and is a drift opening, working the Tyson coal seam. Ventilation is produced by an electrically driven fan and is found satisfactory.

During the calendar year 1924, this mine employed 13 men, worked 101 days and produced 3,569 tons of coal.

ARCADIA COAL COMPANY

Allan McDonald.....Mine Foreman.

Arcadia Mines is an opening in the Bakerstown coal seam located on the west side of George's Creek, near Barton on the Cumberland and Pennsylvania Railroad. Ventilation is produced by a fan driven by an electric motor.

During the calendar year 1924, this mine employed 23 men, worked 245 days and produced 9,036.90 tons of coal.

ARCH MICHAELS COAL COMPANY

Arch Michaels.....Mine Foreman

No. 1 Mine is an opening in the Bakerstown seam located about 1¼ miles above Reynolds on Mill Run. Ventilation is by natural means and is found to be satisfactory.

During the calendar year 1924, this mine employed 4 men, worked 133 days and produced 1,536 tons of coal.

WILLIAM H. BARNES FUEL MINE

William H. Barnes.....Owner.

Barnes Fuel Mine is located at Midlothian, Md. It is a drift opening in the Pittsburgh coal seam. Ventilation is by natural means and the coal is sold to domestic trade. This mine had not mined coal for several years until 1924, and is only working the out-crops.

During the calendar year 1924, this mine employed 1 man, worked 27 days and produced 90 tons of coal.

D. A. BENSON

No. 1 Mine

Eugene Stephens.....Mine Foreman.

This mine is located on the tram road of the Big Savage Fire Brick Co., about 1½ miles northeast of Zihlman. It is a drift opening working the Freeport coal seam. Ventilation is produced by a fan driven by electric motor. Drainage is by natural means and found in a satisfactory condition.

During the calendar year 1924, this mine employed 8 men, worked 309 days and produced 6,034.60 tons of coal.

BIG VEIN COAL COMPANY OF LONACONING

John L. Casey.....Mine Foreman.

The Castle Run Mine is located on the west side of George's Creek at Lonaconing. It is a drift opening, working the Pittsburgh or Big Vein coal seam. Ventilation is produced by an electrically driven fan.

During the calendar year 1924, this mine employed 14 men, worked 312 days and produced 13,783.91 tons of coal.

BOAL & LANGHAM COAL COMPANY

Herbert Langham.....Mine Foreman.

This company is located about 1 mile west of Barton and is a drift opening, working the Bakerstown coal seam. Ventilation is produced by a gasoline driven fan.

During the calendar year 1924, this mine employed 2 men, worked 8 days and produced 73 tons of coal.

BRAILER MINING COMPANY

Joseph Jenkins.....Mine Foreman.

Bald Knob Mine is located at Mt. Savage. It consists of two openings working the Pittsburgh or Big Vein coal seam. It is developed on the double entry system. Ventilation is produced by electrically driven fans. The air conditions are good. Drainage is by means of ditches. The roof is good and the timbering well taken care of.

During the calendar year 1924, this mine employed 41 men, worked 225 days and produced 34,647 tons of coal.

BRYDON BROS. COAL CORPORATION

Caledonia Mine

James Darrow.....Superintendent.
Frank Jones.....Mine Foreman.

This mine of the Brydon Bros. Coal Corporation is located on the west side of George's Creek at Barton and consists of two drift openings, working the Pittsburgh or Big Vein coal seam. Ventilation is produced by natural means.

During the calendar year 1924, this mine employed 29 men, worked 206 days and produced 27,977 tons of coal.

CORAMANDEL MINE

This mine of the Brydon Bros. Coal Corporation is located at Lonaconing and is a drift opening working the Pittsburgh or Big Vein coal seam. It is developed on the double entry system. Ventilation is by natural means.

This mine was idle during the calendar year 1924, and employed no mine foreman.

MOSCOW MINE

James Darrow.....Superintendent.

This mine of the Brydon Bros. Coal Corp., is a drift opening in the Bakerstown seam, located on the east side of George's Creek at Barton, on the Cumberland and Pennsylvania Railway. Ventilation is produced by a fan driven by an electric motor and is found satisfactory.

This mine was idle during the calendar year 1924.

PEKIN MINE

This mine of the Brydon Bros. Coal Corp., is located on the west side of Pekin. It is a drift opening working the Pittsburgh or Big Vein coal seam. Ventilation is produced by natural means. Drainage is by natural means and ditches.

This mine was idle during the calendar year 1924, and no mine foreman was employed.

BURTNER COAL MINING COMPANY, Inc.

(Formerly Clair Coal Company, Inc.)

T. A. Harris.....Mine Foreman.

Burtner No. 6 Mine is located on the west side of George's Creek near Franklin. They are drift openings, and working the Bakerstown coal seam, and developed on the double entry system. Ventilation is produced by a large steam-driven fan.

During the calendar year 1924, this mine employed 17 men, worked 277 days and produced 14,917 tons of coal.

CAMPBELL BROTHERS

M. J. Campbell.....Mine Foreman.

This mine is located at Gilmore, Md. It is a drift opening, working the Franklin coal seam. Ventilation is by natural means. This is a small mine and the coal is sold to domestic trade.

During the calendar year 1924, this mine employed 3 men, worked 208 days and produced 1,244 tons of coal.

CAMPBELL COAL COMPANY

Harry S. Wilson.....Mine Foreman.

Franklin Mines, Nos. 1, 2 and 3, are drift openings, working the Bakerstown, Big Vein and Tyson seams of coal and are located at Franklin. The ventilation in No. 1 mine is produced by a fan driven by electric motor. The ventilation in Nos. 2 and 3 mines is by natural means and found to be satisfactory.

During the calendar year 1924, the Bakerstown mine employed 11 men, worked 108½ days and produced 9,578.30 tons of coal; Big Vein mine employed 19 men, worked 80½ days and produced 12,457.64 tons of coal; Tyson mine employed 10 men, worked 78½ days and produced 5,810.50 tons of coal.

CAMPBELL COAL CO.

William Rogan.....Mine Foreman.

George Crow.....Mine Foreman.

Hampshire Mines Nos. 2 and 3 are openings in the Bakerstown and Freeport seams, respectively, located near Reynolds. Ventilation is produced by fan driven by electric motor.

Hampshire Big Vein Mine No. 1 is located at Reynolds near Bar-

ton. It is a drift opening, working the Pittsburgh or Big Vein coal seam.

Ventilation is by natural means and found to be satisfactory.

During the calendar year 1924, the Bakerstown mine employed 66 men, worked 203 days and produced 52,593.15 tons of coal. The Freeport and Big Vein Mines were idle during the calendar year 1924.

CHAPMAN COAL COMPANY

John Frenzel.....Superintendent.
Randolph Ashby.....Mine Foreman.

Swanton Mines Nos. 1 and 2 are located at Barton on the west side of George's Creek. These are drift openings, working the Bakerstown and Pittsburgh coal seams, and developed on the double entry system. Ventilation is produced in the Bakerstown mine by a fan driven by an electric motor. Ventilation in the Pittsburgh seam is by natural means.

During the calendar year 1924, the No. 1 (Bakerstown) mine employed 28 men, worked 173 days and produced 13,782 tons of coal. The No. 2 or Big Vein mine employed 20 men, worked 176 days and produced 10,143 tons of coal.

THE CONSOLIDATION COAL COMPANY

Maryland Division

G. M. Gillette, General Manager.....Frostburg, Md.
J. D. Snyder, Division Engineer.....Frostburg, Md.

The Maryland Division of the Consolidation Coal Company is in Allegany County. It is the largest operation in the State, operating eleven mines and working the Pittsburgh and Tyson coal seams. The general condition of the Consolidation Mines is good and no expense is spared to keep them in a healthful and safe condition, and they also meet the requirements of the law.

During the calendar year 1924, this Company employed in Maryland 1095 men, and produced 487,911 tons of coal.

CONSOLIDATION MINE No. 1

Peter Hoyer.....Mine Foreman.

This mine is located at Ocean on the east side of George's Creek. It is a slope opening, Working the Pittsburgh or Big Vein coal seam

and is opened under the double entry system. Ventilation is produced by an electrically driven fan and the air current is conducted to the working faces by overcasts, doors and stoppings. It is found in a satisfactory condition. Drainage is very difficult, owing to the low condition of the mine and a heavy expense is incurred in keeping it satisfactory. It is obtained by being drained through the Hoffman tunnel.

During the calendar year 1924, this mine employed 142 men, worked 48 days and produced 12,288 tons of coal.

CONSOLIDATION MINE No. 3

R. L. Edwards.....Mine Foreman.

Consolidation Mine No. 3 is located at Hoffman, 1½ miles east of Frostburg. It is a slope opening, working the Pittsburgh or Big Vein seam of coal and is developed on the double entry system. Ventilation is produced by a steam-driven fan and the air current is conducted to the working faces by overcasts, doors and brattices. It is found in a satisfactory and lawful condition.

Drainage is most difficult and it is necessary to have a number of pumps and ditches in order to keep the drainage in a lawful condition. Drainage is through the Hoffman ditch which empties into Braddock Run at Clarysville. Timbering is found in good condition but it requires a great deal of timbering to keep the roof in a safe condition.

During the calendar year 1924, this mine employed 121 men, worked 264.7 days and produced 96,122 tons of coal.

CONSOLIDATION MINE No. 4

Hugo Rempel.....Mine Foreman.

This mine is a slope opening working the Pittsburgh or Big Vein coal seam. It is developed on the double-entry system. Ventilation is produced by an electrically driven fan and is conducted to the working faces by brattices. Drainage is very difficult but by the use of pumps and ditches it is kept in a lawful condition. The roof is of a dangerous character, owing to the age of the mine. The timbering, however, is well looked after.

During the calendar year 1924, this mine employed 78 men, worked 50 days and produced 10,897 tons of coal. It has been idle since April, 1924, on account of market conditions.

CONSOLIDATION MINE No. 6

Richard Hawkins.....Mine Foreman.

This mine is located at National. It is drift opening, working the Sewickley or Tyson coal seam and is developed on the double-entry system. Ventilation is produced by a fan driven by electric motor. The air is conducted to the working faces by overcasts, doors and brattices. Drainage is in a lawful condition. The roof is very dangerous but the timbering is well looked after.

This mine has been closed down since December, 1921, and to date has not been re-opened.

CONSOLIDATION MINE No. 7

Richard Hawkins.....Mine Foreman.

This mine is located at Lord $1\frac{1}{2}$ miles west of Carlos Junction. It is a slope opening working the Pittsburgh or Big Vein seam of coal, and is developed on the double entry system. The ventilation is found in a lawful condition and is produced by a steam-driven fan. Drainage is by natural means and is drained into the Ocean water ditch. It is in good condition. This mine was exhausted April 30, 1924. At one time this was the largest mine in this section, its maximum production in one day having been 5709 net tons.

During the calendar year 1924, this mine employed 47 men, worked 92 days and produced 15,783 tons of coal.

CONSOLIDATION MINE No. 9

Frank Carter.....Mine Foreman.

This mine is located at the end of the "Y" on the C. & P. R. R. It is a drift opening, working the Tyson coal seam. Ventilation is found to be in a satisfactory condition and is produced by an electrically driven fan. Drainage is kept in a lawful condition by holes being driven to the Big Vein and by the use of pumps.

During the year 1924 the tibble was changed from a side chute to an end chute. The Carpenter Shop and Blacksmith Shop were moved from old locations to points nearer the tibble. An additional 15,000 gallon water tank was installed. A concrete room which had been erected in the mine several years ago was made into a first aid room, being equipped with the necessary equipment and heated with an electric heater.

During the calendar year 1924, this mine employed 161 men, worked 236.6 days and produced 128,039 tons of coal.

CONSOLIDATION MINE No. 10

Frank Williams.....Mine Foreman.

This mine is located at Eckhart, Md., just west of Consolidation No. 4. It is a drift opening, working the Sewickley or Tyson coal seam and is developed on the double entry system. Ventilation is produced by an electrically driven fan. Drainage is kept in a lawful condition by holes driven to the Big Vein. The roof is of the usual character found in the Tyson seam, being disturbed in some places by the removal of the coal in the seam below.

On January 1, 1924, Nos. 10 and 11 mines were combined, both mines operating as No. 10 mine. A brick first-aid room was erected in the main haulage at 13th left heading and an electric heater installed with the necessary equipment. Two additional first aid rooms are under construction and will be completed in a short time.

During the calendar year 1924, this mine employed 241 men, worked 237.4 days and produced 155,264 tons of coal.

CONSOLIDATION MINE No. 12

This mine is located at Borden Shaft on the main line of the C. & P. R. R. It is a shaft opening working the Pittsburgh or Big Vein coal seam. It is developed on the double entry system. Ventilation is produced by an electrically driven fan located at the pumping shaft. Drainage is by natural means and is through the Hoffman Tunnel. The roof is of the usual character and requires a great deal of timbering.

This mine has been idle since April 14, 1924, during which time the headhouse has been repaired and old timbers reinforced with steel. Work was started in December, 1924, to retimber the bottom of the shaft which would require about four months to complete.

During the calendar year 1924, this mine employed 174 men, worked 57.9 days and produced 26,958 tons of coal.

CONSOLIDATION MINE No. 13

Charles Shields.....Mine Foreman.

Mine No. 13 is located at Old Consolidation, a village about 1 mile west of Frostburg, operating the Tyson coal seam. Ventilation is produced by a fan driven by an electric motor. This mine was abandoned April 14, 1924.

During the calendar year 1924, this mine employed 70 men, worked 68 days and produced 9,600 tons of coal.

CONSOLIDATION MINE No. 14

Elmer Kight.....Mine Foreman.

This mine is located at Zihlman (Allegany) and is known as the "Old Allegany" mine. It is a drift opening, working the Pittsburgh or Big Vein coal seam. Drainage is by means of ditches and is into the Allegany ditch.

This mine has been abandoned since December 10, 1921.

CONSOLIDATION MINE No. 15

This mine is located at Vale Summitt and is known as the "Old Astor Mine." It is a drift opening working the Pittsburgh or Big Vein coal seam.

This mine was abandoned and has not worked since December 10, 1921.

CONSOLIDATION MINE No. 16

Michael McGeady.....Mine Foreman.

This mine is located about two miles east of Midland. It consists of a series of openings and is developed on the double-entry system. Nos. 1 and 2 are slope openings. Ventilation is produced by electric fans. Drainage is by means of pumps and is found in a satisfactory condition. Timbering is carefully looked after.

During the calendar year 1924, this mine employed 61 men, worked 262.3 days and produced 32,960 tons of coal.

CUMBERLAND BIG VEIN COAL COMPANY

Conway No. 1

John W. Kreitzburg.....Mine Foreman.

Conway Mine is located about 1 mile east of Eckhart Mines. It is a drift opening working the Pittsburgh or Big Vein coal seam.

This mine was idle during the calendar year 1924.

J. DADDYSMAN

This mine is a drift opening in the Bakerstown seam, located $\frac{1}{2}$ mile northeast of Westernport. Ventilation is by natural means.

This mine was idle during the calendar year 1924.

DARBY BRADY COAL MINES

This mine is located near Frostburg. It is a drift opening, working the Tyson coal seam.

During the calendar year 1924, this mine employed 3 men, worked 28 days and produced 168 tons of coal.

DONALD COAL MINES, INC.

Mines 1, 2 and 3.

Wm. Bernard.....	Mine Foreman.
John Frenzel.....	Mine Foreman.

These are drift openings in the Bakerstown seam, located near Lauder, on the west side of George's Creek on the C. & P. R. R. Ventilation is produced by fan driven by electric motor.

During the calendar year 1924, No. 1 mine employed 51 men, worked 256 days and produced 33,192.02 tons of coal; Mine No. 2 employed 3 men, worked 4 days and produced 22.18 tons of coal; Mine No. 3 employed 1 man, worked 41 days and produced 186.29 tons of coal.

DOUGLAS WADDELL MINE

Douglas Waddell.....	Mine Foreman.
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This mine is located on the east side of George's Creek at Lonaconing. It is a drift opening, working the Pittsburgh or Big Vein coal seam. Ventilation is by natural means.

During the calendar year 1924, this mine employed 3 men, worked 212 days and produced 1,349.75 tons of coal.

EAGAN MINING COMPANY

Charles Eagan.....	Mine Foreman.
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The Eagan Mining Company is located at Midland, and is a drift opening working the Pittsburgh or Big Vein coal seam. Ventilation is by natural means.

During the calendar year 1924, this mine employed 2 men, worked 12 days and produced 106 tons of coal.

H. G. EVANS COAL COMPANY

Borden Mine is located at Borden, near Frostburg. There are two drift openings, working the Pittsburgh or Big Vein seam. Ven-

tilation is produced by natural means. Drainage is by natural means and is in a lawful condition. The roof is of a dangerous character and requires a great deal of timbering to keep it safe.

During the calendar year 1924, this mine employed 5 men, worked 255 days and produced 2,937 tons of coal.

EZRA MICHAELS COAL COMPANY

Ezra Michaels.....Mine Foreman.

This is an opening in the Bakerstown seam located 1½ miles above Reynolds on Mill Run. Ventilation is produced by a fan driven by a gasoline engine.

During the calendar year 1924, this mine employed 3 men, worked 197 days and produced 1,832 tons of coal.

FAZENBAKER MINE

Earl Fazenbaker.....Mine Foreman.

This mine is a drift opening in the Pittsburgh or Big Vein coal seam and is located 5 miles northeast of Westernport. Ventilation is by natural means.

During the calendar year 1924, this mine employed 2 men, worked 183 days and produced 1,596.23 tons of coal.

FROSTBURG BIG VEIN COAL COMPANY

W. H. R. Thomas.....Mine Foreman.

This mine is located at Zihlman, Md. It has a number of openings in the Big Vein and Tyson coal seams. Ventilation is produced by electrically driven fans.

This mine was idle during the calendar year 1924.

FROSTBURG MINING COMPANY

Fred. Entler.....Mine Foreman.
Frank H. Spates Mining Superintendent and Foreman.

Spates Mine No. 1 is located at the Old Consolidation Village about 1 mile west of Frostburg. It is a drift opening working the Pittsburgh coal seam. Ventilation is by natural means.

During the calendar year 1924, this mine employed 5 men, worked 309 days and produced 3,639 tons of coal.

GEORGE'S CREEK & BARRELLSVILLE COAL CO.

C. J. Rowe.....Mine Foreman.

Parker Mine is located at Barrellsville, working the Bluebaugh seam of coal. Ventilation is produced by a 7-ft. fan driven by electricity. Drainage is in a lawful condition.

This mine was formerly the C. J. Rowe & Bros. Coal Company, but during the year 1924 went into hands of receivers and became known as George's Creek & Barrellsville Coal Company.

During the calendar year 1924, this mine employed 39 men, worked 49 days and produced 1,937.53 tons of coal.

GEORGE'S CREEK CLEAN COAL COMPANY

John T. Hardegan.....Mine Foreman.

Spir Mine of the George's Creek Clean Coal Company, is located on the east side of George's Creek at Barton. It is a drift opening working the Bakerstown coal seam. Ventilation is produced by fan driven by gasoline motor and is found to be in very satisfactory condition.

This mine was idle during the calendar year 1924.

GEORGE'S CREEK COAL COMPANY, INC.

Robert Todd.....Mine Foreman, Mines 1-3-4.

Clarkson Laird.....Mine Foreman, Mines 2, Big
Vein and Tyson.

Mines Nos. 1, 3 and 4 are located on the west side of the George's Creek at Lonaconing. They are drift openings, working the Sewickley or Tyson coal seam. They are equipped with electrically driven fans. The air conditions are very good.

Mine No. 2 working the Tyson and Big Vein coal seams, is located on the east side of George's Creek at Lonaconing.

During the calendar year 1924, George's Creek No. 2 employed 14 men, worked 210 days and produced 8,954 tons of coal; Sewickley No. 4 employed 72 men, worked 218 days and produced 62,326 tons of coal; Pittsburgh No. 2 mine employed 15 men, worked 210 days and produced 19,156 tons of coal.

GEORGE'S CREEK COAL MINING COMPANY

Sonny (Tunnel) Mine

Frank Quinn.....Mine Foreman.
Ed. G. Atkinson.....Mine Foreman.

This mine is located at Lonaconing, Md., working the Pittsburgh or Big Vein coal seam. Ventilation is produced by an electrically driven fan and is conducted to the working faces by doors and stoppings. It is found in a satisfactory condition, no expense being spared to comply with the law. During the year 1923 the mine was electrified throughout and a new picking table and tippie installed. A new system of coal recovery is being started at this mine and it is being watched with interest by the mining men in the region.

During the calendar year 1924, this mine employed 124 men, worked 188 days and produced 72,599.45 tons of coal.

GEORGE'S CREEK COAL MINING COMPANY

Mine No. 1

Frank Quinn.....Mine Foreman.

This mine is located at Lonaconing, working the Tyson or Sewickley seam of coal. It is a drift opening, developed on the double-entry system. Ventilation is produced by electrically driven fans and is found to be in a very satisfactory condition.

This mine was idle during the calendar year 1924.

GEORGE'S CREEK COAL MINING COMPANY

Mine No. 2

This mine, or Waynesburg Mine, is located at Lonaconing. It is a drift opening working the Waynesburg seam of coal. Ventilation is by natural means and is found to be in a satisfactory condition.

This mine was idle during the calendar year 1924.

GEORGE'S CREEK COAL MINING COMPANY

Mine No. 3

Jackson No. 3 mine is located at Barton. It is a drift opening working the Pittsburgh or Big Vein seam of coal.

This mine was idle during the calendar year 1924.

J. O. J. GREEN COAL COMPANY

This is an opening in the Bakerstown seam. Ventilation is produced by a fan driven by gasoline motor. The mine is located about 1½ miles above Reynolds on Mill Run.

This mine was idle during the calendar year 1924.

GREEN'S COAL COMPANY

A. F. Green.....Mine Foreman.

No. 1 mine is located at Lonaconing on the east side of George's Creek. It is a drift opening, working the Tyson coal seam. Ventilation is produced by an electrically driven fan.

This mine was idle during the calendar year 1924.

HANNA BROS. COAL COMPANY

(Formerly Allegany Big Vein Coal Co.) changed January, 1924.

James A. Hanna.....Mine Foreman.

This mine is located near Allegany. It is a drift opening working the Pittsburgh or Big Vein coal seam. Ventilation is produced by natural means and the conditions are good for this kind of ventilation. Drainage is by natural means. The roof is dangerous and requires a great deal of timbering to keep it in a safe condition.

During the calendar year 1924, this mine employed 3 men, worked 211 days and produced 2,084 tons of coal.

HELBIG FUEL MINE

Guy Helbig.....Owner and Mine Foreman.

Helbig Fuel Mine is located about 1 mile east of Mt. Savage, Md. It is a drift opening in the Bakerstown coal seam. Ventilation is produced by natural means. This is a new mine and the coal is sold to domestic trade.

During the calendar year 1924, this mine employed 1 man, worked 80 days and produced 279 tons of coal.

HOFFA BROS. COAL COMPANY

William Hyde, Sr.....Mine Foreman.

Phoenix No. 2 mine consists of 7 openings in the Pittsburgh or Big Vein coal seam and is located on the west side of George's Creek

at Lauder on the Cumberland and Pennsylvania R. R. Ventilation is by natural means.

During the calendar year 1924, this mine employed 38 men, worked 254 days and produced 25,399.45 tons of coal.

HOFFA BROS. COAL COMPANY

Wm. Hyde, Sr. Mine Foreman.

Potomac Mine is located at Barton. It is a drift opening, working the Pittsburgh coal seam. Ventilation is produced by fan driven by electric motor. Drainage is by natural means and is in a satisfactory condition.

This mine was idle during the calendar year 1924.

JOHN SMITH & SONS COAL MINES

Leslie Smith Mine Foreman.

Smith's Fuel Mine is located at Barton on the Hoffa Bros. tram road. It is a drift opening, working the Bakerstown coal seam. Ventilation is produced by a fan driven by a gasoline engine.

This mine was idle during the calendar year 1924.

THE KOONTZ COAL COMPANY

McKee No. 1

Henry McKee Mine Foreman.

McKee Mine No. 1 is located 1½ miles west of Carlos Junction working the Pittsburgh or Big Vein coal seam. Ventilation is produced by natural means.

This mine was idle during the calendar year 1924.

THE KOONTZ COAL COMPANY

McKee No. 2

Walter Kallmeyer Mine Foreman.

This mine is located about 1 mile west of Lonaconing, working the Tyson coal seam. Ventilation is produced by a steam driven fan. Drainage is by natural means and is found in good condition.

During the calendar year 1924, this mine employed 44 men, worked 280 days and produced 40,846 tons of coal.

LITTLE PITTSBURGH COAL COMPANY

A. F. Green.....Mine Foreman.

This mine is located on the east side of George's Creek at Lonaconing. It is a drift opening working the Little Pittsburgh coal seam. Ventilation is produced by natural means.

This mine was idle during the calendar year 1924.

McGOWAN

J. McGowan.....Mine Foreman.

This mine is located at Gilmore, Md. It is a drift opening working the Pittsburgh or Big Vein coal seam. Ventilation is by natural means.

During the calendar year 1924, this mine employed 2 men, worked 1 day and produced 10 tons of coal.

McNITT COAL COMPANY

John Fatkin.....Mine Foreman.

This mine is located at Midlothian, working the Sewickley or Tyson coal seam. It is a slope opening. Ventilation is produced by a steam driven fan.

During the calendar year 1924, this mine employed 49 men, worked 134 days and produced 32,151 tons of coal.

ANDREW MacMANNIS

Andrew MacMannis.....Owner and Mine Foreman.

Mountain Mine is located on the Union Mining Company's tram road about two miles northeast of Mt. Savage. It is a drift opening. Ventilation is by natural means.

This was formerly the Mountain Mine of the Union Mining Company.

During the calendar year 1924, this mine employed 2 men, worked 71½ days and produced 381.75 tons of coal.

MARVA COAL COMPANY

Joseph G. Martin.....Mine Foreman.

Pine Hill Mine is located near Lonaconing, Md., on the east side of George's Creek. It consists of a number of openings in the Pittsburgh or Big Vein coal seam. Ventilation is by natural means.

During the calendar year 1924, this mine employed 8 men, worked 97 days and produced 4,423.65 tons of coal.

MARYLAND COAL COMPANY

Bailey Burns.....Mine Foreman.

Mine No. 1 is located at Moscow. It is a drift opening, working the Bakerstown coal seam. Ventilation is by natural means.

This mine was idle during the calendar year 1924.

MARYLAND COAL COMPANY

Robert Merrbach.....Mine Foreman.

Felix Foote.....Mine Foreman (Big Vein.)

The Big Vein and Tyson Mines of this Company are located on the west side of George's Creek at Lonaconing. Tyson No. 1 is a drift opening working the Tyson coal seam and is developed on the double-entry system.

Big Vein No. 2 is a drift opening working the Pittsburgh seam. The roof is good and timbering well looked after. Ventilation in these mines is produced by electrically driven fans. Drainage is difficult but is kept in lawful condition by means of ditches and pumps.

Tyson Mine was idle during the calendar year 1924.

During the calendar year 1924, Big Vein Mine employed 71 men, worked 125 days and produced 41,657.04 tons of coal.

MAYBURY & HOWARD COAL COMPANY

(Formerly W. D. Kern)

Sim Groves.....Mine Foreman.

Kern Mine is a drift opening near Barton in the Bakerstown seam, 1/2 mile above Reynolds on Mill Run. Ventilation is by natural means.

During the calendar year 1924, this mine employed 4 men, worked 175 days and produced 1,715 tons of coal.

METZ BROS. COAL COMPANY

Walter J. Metz.....Mine Foreman.

This mine is located near Barton on the east side of George's Creek, working the Bakerstown coal seam.

This mine was idle during the calendar year 1924.

MIDLAND GEORGE'S CREEK COAL COMPANY

Clarence Fletcher.....Mine Foreman.

This mine is located at Gilmore, Md., about one mile west of Midland. It is a drift opening, working the Pittsburgh or Big Vein coal seam. Ventilation is by natural means. This mine was abandoned during March, 1924.

During the calendar year 1924, this mine employed 3 men, worked 30 days and produced 425 tons of coal.

MIDLAND MINING COMPANY

J. S. Askey.....Mine Foreman.

Neff Run Mine is located near Midland. It has five openings, working the Pittsburgh or Big Vein coal seam. Ventilation is produced by natural means.

This mine has been abandoned and has not mined any coal during the calendar year 1924.

MIDLOTHIAN COAL COMPANY

William Walters.....Mine Foreman.

This Company's mines are located at Midlothian, about two miles west of Frostburg. The mine consists of five drift openings, working the Tyson and Big Vein coal seams. Ventilation is produced by natural means.

During the calendar year 1924, the Tyson Mine employed 7 men, worked 130 days and produced 3,038.05 tons of coal; the Big Vein Mine employed 9 men, worked 187 days and produced 8,107.94 tons of coal.

MOSCOW-GEORGE'S CREEK COAL COMPANY

Ed. R. Brennan.....Mine Foreman.
Ed. Shaw.....Mine Foreman.

These mines are located near Barton on the west side of George's Creek. They are drift openings, working the Pittsburgh or Big Vein and Bakerstown coal seams. Ventilation in the Bakerstown Mine is produced by fan driven by electric motor. In the Pittsburgh or Big Vein Mine it is produced by natural means.

During the calendar year 1924, No. 1 mine employed 12 men, worked 149 days and produced 8,004 tons of coal; No. 2 mine employed 6 men, worked 136 days and produced 1,152 tons of coal; Mine No. 3 employed 8 men, worked 98 days and produced 1,746 tons of coal.

MOUNT SAVAGE FUEL COMPANY

Lawrence Barth.....Superintendent.
Robert Andrews.....Mine Foreman.

This mine is located at Mt. Savage and is a drift opening, working the Brush Creek or Rock seam and is developed on the double-entry system. Ventilation is produced by an electrically driven fan.

During the calendar year 1924, this mine employed 33 men, worked 242 days and produced 18,546 tons of coal.

MT. SAVAGE & GEORGE'S CREEK COAL COMPANY

Frank Diehl.....Mine Foreman.
John Bahen.....Asst. Foreman.

Mine No. 1 is located at George's Creek Village on the main line of the Cumberland and Pennsylvania R. R. It is a drift opening working the Brookville or Bluebaugh coal seam. Ventilation is produced by an electrically driven fan located at a shaft 204 feet deep.

During the calendar year 1924, this mine employed 81 men, worked 222 days and produced 62,829.80 tons of coal.

MT. SAVAGE MINING COMPANY

Wm. Hartley.....Mine Foreman.
George Tipping.....Mine Foreman.

The Liberty Mine is located at Mt. Savage. It is a drift opening, working the Maynadier coal seam. Ventilation is produced by an electrically driven fan.

During the calendar year 1924, this mine employed 47 men, worked 228 days and produced 28,132.19 tons of coal.

NORTH MARYLAND COAL MINING COMPANY

Thomas Richardson.....Superintendent.
Raymond Henry.....Mine Foreman.

This Company is located at Montell, working the Lower Kittanning seam of coal. The working condition of this mine is very difficult owing to the heavy grade, but it is kept in a lawful condition.

During the calendar year 1924, this mine employed 22 men, worked 83 days and produced 5,202 tons of coal.

OLD COLONY COAL COMPANY

Joe E. Small.....Mine Foreman.

Nos. 1 and 2 of the Old Colony Coal Company are located at Moscow. They are drift openings, working the Bakerstown coal seam. Ventilation is produced by a fan driven by an electrical motor.

During the calendar year 1924, this mine employed 14 men, worked 9 days and produced 420 tons of coal.

PIEDMONT & GEORGE'S CREEK COAL COMPANY

Bowery Furnace No. 1

James Taylor.....Mine Foreman.

This mine is located at Midlothian, working the Red Stone seam of coal. Ventilation is produced by a fan driven by an electric motor.

This mine was idle during the calendar year 1924.

PIEDMONT AND GEORGE'S CREEK COAL COMPANY

Bowery Furnace No. 2

Harry Hitchins.....Superintendent.
George Diehl.....Mine Foreman.

This mine is located at Midlothian, working the Tyson seam of coal. It is developed on the double-entry system and is kept in a

lawful condition. Ventilation is produced by an electrically driven fan.

During the calendar year 1924, this mine employed 113 men, worked 165 days and produced 63,462.75 tons of coal.

PIEDMONT & GEORGE'S CREEK COAL COMPANY

Washington No. 1

J. A. Cosgrove.....	Superintendent.
William Brophy.....	Mine Foreman.
L. M. Hellyer.....	Mine Foreman.

This mine is located on the west side of George's Creek, near Franklin. It is a drift opening working the Lower Kittanning seam of coal, and is developed on the double-entry system. Ventilation is produced by an electrically driven fan. Drainage is by means of pumps and is kept in a lawful condition.

During the calendar year 1924, this mine employed 30 men, worked 224 days and produced 17,410.60 tons of coal.

PIEDMONT & GEORGE'S CREEK COAL COMPANY

Washington No. 2

Martin Condry.....	Mine Foreman.
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This mine is located at Eckhart. It is a drift opening, working the Big Vein and Red Stone coal seam.

This mine was idle during the calendar year 1924.

PIEDMONT & GEORGE'S CREEK COAL COMPANY

Washington No. 5

W. D. Wallace.....	Mine Foreman.
John Hughes.....	Mine Foreman.

This mine is located near Franklin. It is a drift opening working the Bakerstown coal seam and developed on the double-entry system. Ventilation is produced by an electrically driven fan.

During the calendar year 1924, this mine employed 86 men, worked 249 days and produced 47,330.75 tons of coal.

PORTER-HOFFA COAL COMPANY

Oliver T. Porter.....Mine Foreman.

This mine is located near Barton. It is a drift opening, working the Bakerstown coal seam. Ventilation is produced by natural means.

During the calendar year 1924, this mine employed 2 men, worked 41 days and produced 293.20 tons of coal.

PORTER & KREITZBURG COAL COMPANY

Porter Mine

Marshall Porter.....Mine Foreman.

This mine is located about 1 mile east of Eckhart Mines. It is a drift opening working the Pittsburgh or Big Vein coal seam. Ventilation is by natural means.

During the calendar year 1924, this mine employed 3 men, worked 181 days and produced 2,086 tons of coal.

POTOMAC & CUMBERLAND COAL COMPANY

Francis Stowell.....Mine Foreman.

This mine is located about 1 mile east of Mt. Savage on the C. & P. R. R. They are drift openings working the Lower and Upper Freeport and Bakerstown coal seams.

During the calendar year 1924, this mine employed 3 men, worked 16 days and produced 42.09 tons of coal.

M. W. RACE COAL COMPANY

M. W. Race.....Superintendent.

The Washington Hollow Mine is located near Eckhart Mines. It is a drift opening working the Pittsburgh or Big Vein seam. Ventilation is by natural means.

During the calendar year 1924, this mine employed 3 men, worked 229 days and produced 1,133 tons of coal.

REESE HARRIS FUEL MINE

Reese Harris.....Owner

Harris Fuel Mine is located at Grahamtown, near Frostburg. It is a drift opening, working the Upper Tyson coal seam. This is a new mine and coal is mined for domestic trade only.

During the calendar year 1924, this mine employed 1 man, worked 28 days and produced 88 tons of coal.

ROBERT GRIFFITH COAL COMPANY

Robert Griffith.....Mine Foreman.

This mine is located at Frostburg, working the Tyson coal seam. Ventilation is produced by natural means.

This mine was abandoned and did not mine any coal during the calendar year 1924.

ROBERT HARVEY & SONS COAL COMPANY

William Harvey.....Mine Foreman.

This mine is located at Reynolds, 1 mile west of Barton. It is a drift opening, working the Freeport coal seam.

This mine was idle during the calendar year 1924.

SCHRAMM & DAVIS COAL COMPANY

Joseph Davis.....Mine Foreman.

Potomac, Bakerstown Mine is located on the Hoffa Bros., tram road near Barton. It is a drift opening, working the Bakerstown coal seam. Ventilation is produced by an electrically driven fan and drainage is by natural means.

This mine was idle during the calendar year 1924.

SHAW MINING COMPANY

Thomas Smith.....Mine Foreman.

This mine is an opening in the Franklin seam, located at Moscow, on the C. & P. R. R. Ventilation is by natural means.

During the calendar year 1924, this mine employed 5 men, worked 42 days and produced 150 tons of coal.

SMITH & SONS COAL COMPANY

John T. Smith.....Mine Foreman.

Smith's Fuel Mine is located at Mt. Savage. It is a drift opening, working the Upper Freeport coal seam.

This mine was abandoned during the calendar year 1924.

SOLOMON BRODE FUEL MINE

Solomon Brode.....Owner.

Brode Mine is located at the western edge of Frostburg. It is a drift opening in the Pittsburgh coal seam. It is a small mine and coal is sold to domestic trade. Ventilation is by natural means.

During the calendar year 1924, this mine employed 2 men, worked 89 days and produced 312 tons of coal.

STANTON & GEORGE'S CREEK COAL COMPANY

Marshall Stanton.....Mine Foreman.

Stanton's Mine is located on the west side of Braddock's Run, 1 mile south of Clarysville, along the old National Road. It is a drift opening, working the Kittanning seam of coal. Ventilation is produced by natural means.

This mine was idle during the calendar year 1924.

STEWART COAL COMPANY

Robert Griffith.....Superintendent.

The Stewart & Griffith Fuel Mine is located about 1 mile east of Frostburg. It is a drift opening working the Tyson coal seam.

This is a new mine and was opened during the month of May, 1924. Ventilation is by natural means. This is a small mine, coal being mined for domestic use only.

During the calendar year 1924, this mine employed 1 man, worked 75 days and produced 82 tons of coal.

STOREY & STAPLETON COAL COMPANY

J. P. Stapleton.....Mine Foreman.

This mine is located at Vale Summitt. It is a drift opening working the Big Vein coal seam.

This mine has been abandoned and did not produce during the calendar year 1924.

SULLIVAN BROS. COAL COMPANY

J. P. Barry.....Mine Foreman.
Bernard D. Byrnes.....Mine Foreman.

Sullivan No. 1 Mine is located near Eckhart. It is a drift opening working the Upper Sewickley, better known as the Tyson coal seam, and also the Big Vein coal seam. This mine is developed on the double entry system. Ventilation is produced by an electrically driven fan and is conducted to the working faces by doors and brattices. This mine was idle during the calendar year 1924.

Sullivan No. 2 Mine is located at Carlos, Md. This mine was abandoned during the year.

Sullivan No. 3 Mine is located at Clarysville, Md., about 3 miles east of Frostburg. It is a slope opening in the Kittanning coal seam. Ventilation is produced by an electrically driven fan.

During the calendar year 1924, No. 3 Mine employed 34 men, worked 169 days and produced 9,564 tons of coal.

SUPPLY COAL COMPANY

Joseph Robertson.....Mine Foreman.

This mine is located at Barton on the Hoffa tram road. It is a drift opening, working the Bakerstown seam. Ventilation is by natural means.

During the calendar year 1924, this mine employed 2 men, worked 56 days and produced 676 tons of coal.

UNION MINING COMPANY

Brick Yard Mine

Albert Deffenbaugh.....Mine Foreman.

This mine is located at Mt. Savage. It is a drift opening working the Maynaidier seam. Ventilation is produced by an electrically driven fan and is found in a satisfactory condition.

During the calendar year 1924, this mine employed 10 men, worked 244 days and produced 5,634.35 tons of coal.

UNION MINING COMPANY

Union No. 3

Joseph Frenzel.....Mine Foreman.
 Albert Deffenbaugh.....Mine Foreman.

This mine is located at Mt. Savage, working the Maynaidier coal seam. It is a drift opening. Ventilation is produced by an electrically driven fan and is conducted to the working faces by doors and stoppings.

During the calendar year 1924, this mine employed 19 men, worked 210 days and produced 7,530.75 tons of coal.

UNITED BIG VEIN COAL COMPANY

H. W. Rowe.....Mine Foreman.

This mine is located west of Mt. Savage and consists of two drift openings working the Pittsburgh or Big Vein coal seam. It is developed on the double-entry system. Ventilation is produced by an electrically driven fan. Drainage is kept in a lawful condition by natural means and ditches.

During the calendar year 1924, this mine employed 10 men, worked 30 days and produced 289.04 tons of coal.

VINCENT ENGLE & SONS COAL COMPANY

Vincent Engle.....Mine Foreman.

This mine is located about 1 mile east of Eckhart. It is a drift opening working the Big Vein coal seam.

During the calendar year 1924, this mine employed 3 men, worked 79 days and produced 929 tons of coal.

WESTERNPORT COAL COMPANY

George Daily.....Mine Foreman.

This mine is located at Franklin. It is a drift opening, working the Lower Kittanning coal seam. Ventilation is produced by an electric fan.

During the calendar year 1924, Mine No. 1 employed 10 men, worked 60 days and produced 2,208.75 tons of coal; Mine No. 2 employed 10 men, worked 30 days and produced 691.10 tons of coal.

WEST VIRGINIA PULP AND PAPER COMPANY**Devon Mine No. 2**

J. P. Brown.....Mine Foreman.

This mine is located at Luke on a branch of the Western Maryland Railway. It is a drift opening, working the Brookville seam. Ventilation is produced by a fan driven by an electric motor.

During the calendar year 1924, this mine employed 80 men, worked 65 days and produced 17,464 tons of coal.

WORKMAN COAL COMPANY

C. O. Workman.....Mine Foreman.

This mine is located about 1 mile north of Frostburg. It is a drift opening working the Pittsburgh or Big Vein seam. Ventilation is by natural means.

During the calendar year 1924, this mine employed 7 men, worked 272 days and produced 5,711 tons of coal.

**DESCRIPTION OF FIRE CLAY MINES IN ALLEGANY COUNTY
CALENDAR YEAR 1924**

THE ANDREW RAMSAY FIRE CLAY COMPANY

Henry Lowery.....Mine Foreman.

Ellersville Mine is located about 2 miles southwest of Ellerslie and is a drift opening, working the fire clay seam. Ventilation is by natural means.

During the calendar year 1924, this mine employed 4 men, worked 302 days and produced 944 tons of clay.

BIG SAVAGE FIRE BRICK COMPANY

Clarence Raley.....Mine Foreman.

These mines are located on the Big Savage Mountain about 3 miles northwest of Frostburg. They are drift openings working the fire clay seam. Ventilation is produced by natural means.

During the calendar year 1924, this mine employed 34 men, worked 309 days and produced 18,839.79 tons of clay.

SAVAGE MOUNTAIN FIRE BRICK COMPANY

Charles Wolfe.....Mine Foreman.

This mine is located about 3 miles northwest of Frostburg. It is a drift opening, working the fire clay seam. Ventilation is by natural means.

During the calendar year 1924, this mine employed 20 men, worked 249 days and produced 7,909 tons of clay.

UNION MINING COMPANY

S. J. Aldron.....Superintendent
Joseph Finzel.....Mine Foreman.

Union Mining Company Fre Clay Mines are located about 3 miles west of Mt. Savage on the Savage Mountain. They are drift openings, working the clay seam. Ventilation is produced by a fan.

During the calendar year 1924, the No. 5 (No. 6) mine employed 56 men, worked 106 days and produced 14,692 tons of clay; the Strip Mine employed 81 men, worked 128 days and produced 19,069 tons of clay.

**DESCRIPTION OF MINES IN GARRETT COUNTY
FOR CALENDAR YEAR 1924**

ABERDEEN COAL COMPANY

Steyer Mine is an opening in the Kittanning seam located on the Western Maryland Railway at Steyer. Ventilation is produced by a fan driven by a gasoline motor.

This mine was idle during the calendar year 1924, and employed no mine foreman.

W. D. ALTHOUSE & COMPANY

George Yeager.....Mine Foreman.
John Faherty.....Mine Foreman.

This Company's Georgian Mine is located about 1 mile west of Gorman. It is a drift opening working the Freeport coal seam. Ventilation is produced by a fan driven by an electric motor.

During the calendar year 1924, this mine employed 30 men, worked 160½ days and produced 19,828.56 tons of coal.

BILLMEYER COAL COMPANY

Ray Billmeyer.....Mine Foreman.

This mine is located on the Jennings Railroad near Jennings. It is a drift opening working the Bakerstown coal seam. Ventilation is produced by natural means.

This mine was idle during the calendar year 1924.

BLAINE MINING COMPANY

George Boyd.....Superintendent.
George Campbell.....Mine Foreman.

Mines Nos. 1 and 2 are located at Potomac Manor on the west side of the Potomac River on the main line of the Western Maryland Railway. They are drift openings working the Lower Kittanning coal seam and are developed on the double-entry system. Ventilation is produced by a 12-ft. fan.

During the calendar year 1924, this mine employed 103 men, worked 228 days and produced 99,633 tons of coal.

BLOOMINGTON COAL COMPANY

Charles Warnick.....Mine Foreman.
 John Tibbett.....Mine Foreman.

Mine No. 7 is an opening in the Kittanning or Davis Six-Foot seam on the main line of the B. & O. R. R. near Bloomington. Ventilation is produced by a fan.

During the calendar year 1924, this mine employed 24 men, worked 210 days and produced 17,442 tons of coal.

BLOOMINGTON COAL COMPANY

Brookville Mine is an opening in the Brookville seam on the main line of the B. & O. R. R. near Bloomington, Md.

During the calendar year 1924, this mine employed 2 men, worked 20 days and produced 125 tons of coal.

CASS COAL COMPANY

Cass Mines Nos. 1 and 2 are openings in the Upper Freeport seam located near Crellin on the Kendall Branch Railway. Ventilation is by natural means.

During the calendar year 1924, this mine was idle and employed no mine foreman.

DAVIS COAL AND COKE COMPANY

Oscar Wolfe.....Mine Foreman.
 John Wilk.....Asst. Foreman.
 Albert Tomiko.....Fire Boss
 Mike Morris.....Fire Boss.

No. 42 Mine is located at Kempton. This is a shaft opening working the Lower Kittanning coal seam. Ventilation is produced by an approved fan driven by an electric motor. Drainage is kept in a lawful condition by means of pumps.

During the calendar year 1924, this mine employed 142 men, worked 152 days and produced 115,704 tons of coal.

ELK RUN COAL COMPANY

Elk Run Mines Nos. 1 and 3 are located at Barnum on the west side of the Potomac River, on the main line of the Western Mary-

land Railway. They are drift openings, working the Bakerstown and Lower Kittanning coal seams. Ventilation is produced by fans driven by a steam engine.

These mines were idle during the calendar year 1924.

GARRETT COUNTY COAL & MINING COMPANY

John Amtower.....Mine Foreman.

Dodson Mines, Nos. 1, 3, 6 and 7 are located at Dodson on the main line of the Western Maryland Railway. It consists of four drift openings, working the Kittanning coal seams. Ventilation is produced by approved fans.

These mines were idle during the calendar year 1924.

GEORGE HOOVER COAL COMPANY

Roy Wilburn.....Mine Foreman.

Hoover Mine is located at Jennings on the Jennings Branch Railroad. It is a drift opening, working the Honeycomb coal seam. Ventilation is produced by a fan driven by a gasoline motor and is found satisfactory.

This mine was idle during the calendar year 1924.

GEORGE E. SLOAN FUEL MINE

George E. Sloan.....Mine Foreman.

This mine is located near McHenry, Md. It is a drift opening working the Kittanning coal seam. Ventilation is by natural means.

This mine was idle during the calendar year 1924.

HAMILL COAL & COKE COMPANY

J. J. Walker.....Mine Foreman.
(Mine No. 1 working Kittanning seam)

C. Roy Gough.....Mine Foreman.
(Mine No. 2 working Freeport seam)

William Hartley.....Mine Foreman.

This Company's Mines Nos. 1 and 2 are located about 1 mile south of Kitzmiller on the main line of the Western Maryland Rail-

way. The mine consists of two drift openings working the Kittanning and Freeport seams of coal. Ventilation is produced by a fan.

During the calendar year 1924, the Hamill Kittanning or Six Foot Mine employed 89 men, worked 214 days and produced 59,371 tons of coal; the Freeport Mine employed 31 men, worked 177 days and produced 18,401 tons of coal; the Little Wagon Mine employed 1 man and produced 735 tons of coal.

TROUT COAL COMPANY

T. H. Wilson.....Operator and Mine Foreman.

Mines Nos. 1 and 2 are located at Vindex on the Chaffee Branch Railroad, working the Kittanning and Clarion coal seams respectively. The Clarion coal seam was not operated during the period of this report.

During the calendar year 1924, this mine (leased from the Hamill Coal and Coke Company until April, 1924) employed 25 men, worked 49 days and produced 2,410 tons of coal.

HUBBARD COAL MINING COMPANY

This mine is located on the main line of the Western Maryland Railway and is a drift opening in the Lower Kittanning coal seam. Ventilation is produced by a fan driven by electric motor and is found to be satisfactory.

This mine was idle during the calendar year 1924.

LOST HOPE MINE

This mine is located near Oakland. It is a drift opening working the Kittanning seam of coal. Ventilation is natural. It is a fuel mine.

This mine was idle during the calendar year 1924.

McCULLOUGH COAL CORPORATION

Chris. Roberts.....Mine Foreman.

McCullough Mine is located at Friendsville. It is a drift opening working the Kittanning coal seam. Ventilation is produced by an electrically driven fan and is conducted to the working faces by doors, stoppings and overcasts and is usually in very good condition.

During the calendar year 1924, this mine employed 23 men, worked 172 days and produced 19,322 tons of coal.

McKANWIG COAL COMPANY

David McKinley.....Mine Foreman.

Nethkin Mine is a drift opening in the Freeport coal seam, located $\frac{1}{2}$ mile east of Bayard, W. Va., and is developed on the double-entry system. Ventilation is produced by a fan driven by a gasoline engine.

This mine was idle during the calendar year 1924.

M. & M. COAL COMPANY

Yoder Mine

Hugh C. McMahonMine Foreman.

Yoder Mine is located about 1 mile east of Grantsville. It is a drift opening working the Freeport coal seam. Ventilation is by natural means.

During the calendar year 1924, this mine employed one man, worked 10 days and produced 24 tons of coal.

MANOR COAL COMPANY

Mine No. 1

Riley Yokum.....Mine Foreman.

This mine is located at Vindex on the Chaffee Road about 3 miles east of Kitzmiller. It is a drift opening working the Upper Kittingan coal seam. Ventilation is produced by an electrically driven fan.

During the calendar year 1924, this mine employed 52 men, worked 232.5 days and produced 43,671 tons of coal.

MANOR COAL COMPANY

Mine No. 2

R. E. Diveley.....Mine Foreman.

This mine is located at Vindex on the Chaffee Road about 3 miles east of Kitzmiller. It is a drift opening working the Clarion seam. Ventilation is produced by an electrically driven fan.

During the calendar year 1924, this mine employed 44 men, worked 222 days and produced 42,900 tons of coal.

MARYLAND SMOKELESS FUEL COMPANY

Christian Yommer.....Mine Foreman.

Yommer Mine of the Maryland Smokeless Fuel Company is located near Jennings, on the Jennings Branch Railroad. It is a drift opening working the Bakerstown or Honeycomb coal seam. Ventilation is produced by a fan driven by a gasoline motor.

This mine was idle during the calendar year 1924.

MELVIN WEIMER

Melvin Weimer.....Mine Foreman.

This is a small mine located near Oakland, Md. It is a drift opening working the Lower Freeport coal seam. Ventilation is by natural means. This coal is mined for domestic use.

During the calendar year 1924, this mine employed 6 men, worked 161 days and produced 2,223 tons of coal.

MEYERS COAL COMPANY

Norman Patton.....Mine Foreman.

J. A. Beachy.....Mine Foreman.

Beachy Mine is located about ½ mile west of Grantsville. It is a drift opening working the C-Prime coal seam. Ventilation is by natural means and complies with the law.

During the calendar year 1924, this mine employed 4 men, worked 171 days and produced 2,833 tons of coal.

R. W. MILLER COAL MINES

R. W. Miller.....Mine Foreman.

This mine is located about 3 miles northwest of Grantsville on the Jennings Branch Railroad. It is a drift opening working the Bakerstown coal seam. Ventilation is by natural means.

This mine was idle during the calendar year 1924.

MORGART COAL MINING CORPORATION

Mines Nos. 1, 2, 3 and 4 are located about one mile west of Jennings on the Jennings Branch R. R., working the Bakerstown and

Upper Freeport coal seams. Ventilation is produced by fans driven by gasoline motors and is found in a satisfactory condition.

These mines were idle during the calendar year 1924, and no mine foremen were employed.

G. C. PATTISON

Geo. Brandlen.....Mine Foreman.
Russell Pattison.....Mine Foreman.

Pattison Mines Nos. 1 and 2 are drift openings in the Bakerstown and Kittanning coal seams, located near Bloomington on the main line of the B. & O. R. R. Ventilation is by natural means.

During the calendar year 1924, this mine employed 1 man, worked 16 days and produced 172.88 tons of coal.

PENDERGAST & ASHBY COAL COMPANY

Everett Casteel.....Mine Foreman.

Mines Nos. 1 and 2 are located near Crellin on the Kendall Branch Railroad. It is a drift opening, working the Lower Kittanning coal seam. Ventilation is produced by a fan driven by a gasoline motor, and is found to be in a very satisfactory condition.

This mine was idle during the calendar year 1924.

PLYMOUTH COAL MINING COMPANY

(Formerly W. A. Price Coal Company)

Roy Butts.....Mine Foreman.

Caldwell Mine is located at Gorman on the main line of the Western Maryland Railway. It is a drift opening, working the Freeport coal seam. Ventilation is produced by a fan driven by a steam engine and is found satisfactory.

During the calendar year 1924, this mine employed 12 men, worked 46 days and produced 243 tons of coal.

POTOMAC RIVER COAL COMPANY

Hill Top Mine is an opening in the Freeport seam located on the Western Maryland Railway near Steyer. Ventilation is produced by a fan driven by a gasoline motor and is found to be satisfactory.

This mine was idle during the calendar year 1924.

POTOMAC VALLEY COAL COMPANY

Peerless Mine

William Hartley.....Mine Foreman.

This mine is a drift opening in the Freeport seam, located 1 mile east of Blaine, W. Va., on the Western Maryland Railway. Ventilation is produced by a 12-ft. fan driven by a steam engine and is found to be satisfactory.

During the calendar year 1924, this mine employed 52 men, worked 60 days and produced 10,328.74 tons of coal.

R. J. ROSS COAL MINES, INC.

L. R. Kight.....Mine Foreman.

Luther Evans.....Mine Foreman.

J. P. Guy.....Mine Foreman.

The Mines of this Company are located near Bloomington on a branch of the Western Maryland Railway. They are drift openings, working the Upper Kittanning and Bakerstown coal seams. Ventilation is produced by a fan driven by electric motor.

During the calendar year 1924, the Bakerstown Mine employed 81 men, worked 243 days and produced 64,918.49 tons of coal; the Kittanning Mine employed 28 men, worked 193 days and produced 16,357.71 tons of coal.

A. G. SHROUT

This is an opening located three miles west of Oakland. Ventilation is by natural means. It is a fuel mine.

During the calendar year 1924, this mine employed 3 men, worked 133 days and produced 640.5 tons of coal.

SMITH & SWEENE COAL COMPANY

(Leased from the Potomac Valley Coal Company)

Louise Mine

James Smith.....Mine Foreman.

Louise Mine is located on the Chaffee Branch Railway. It is a drift opening working the Lower Kittanning coal seam.

During the calendar year 1924, this mine employed 3 men and produced 1,072 tons of coal.

STANDARD COAL COMPANY

W. W. Harvey.....Mine Foreman.

Standard No. 1 is a drift opening in the Clarion seam located on the Chaffee Branch Railway 1 mile east of Chaffee. Ventilation is produced by a fan driven by a gasoline motor.

During the calendar year 1924, this mine employed 31 men, worked 94 days and produced 5,515.15 tons of coal.

C. E. STANTON COAL COMPANY

C. E. Stanton.....Mine Foreman.

This mine is located at Jennings on the Jennings Branch Railway.

During the calendar year 1924, this mine employed 1 man, worked 66 days and produced 252 tons of coal.

U. M. STANTON COAL MINES

U. M. Stanton.....Mine Foreman.

This mine is located on the Jennings Branch Railway near Jennings. It is a drift opening, working the Honeycomb or Bakerstown coal seam.

This mine was idle during the calendar year 1924.

TABLE ROCK COAL COMPANY

George Moreland.....Mine Foreman.

This mine is a drift opening in the Kittanning seam located 5 miles from Gorman, Md. It is a fuel mine.

During the calendar year 1924, this mine employed 4 men, worked 164 days and produced 2,164 tons of coal.

TRI STATE CONSOLIDATED COAL COMPANY

Simon Durst.....Mine Foreman.

Tri-State No. 1 is located near Jennings, on the Jennings Branch Railway. It is a drift opening, working the Bakerstown or Honey-

comb coal seam. Ventilation is produced by a fan driven by a steam engine and is conducted to the working faces in a lawful manner.

During the calendar year 1924, this mine was idle.

WOLF DEN COAL COMPANY

W. R. Jones.....	Mine Foreman.
J. B. James.....	Asst. Foreman.
Howard Marshall.....	Asst. Foreman.

Mine No. 1 is located at Shallmar on the Western Maryland Rwy., and is a drift opening, working the Upper and Lower Kittanning coal seams. Ventilation is produced by a large fan driven by an electric motor. Drainage and timbering is well looked after. The general condition of the mine is good.

During the calendar year 1924, this mine employed 117 men, worked 200 days and produced 107,076.43 tons of coal.

YOUGH COAL COMPANY

Dorsey Ashby.....	Mine Foreman.
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Yough No. 1 is a drift opening in the Clarion seam located near Crellin, on the Kendall Railway. Ventilation is produced by a fan driven by a gasoline engine.

During the calendar year 1924, this mine employed 5 men, worked 67 days and produced 671 tons of coal.

PROSECUTIONS

On December 5, 1924, a superintendent was fined for violation of Section 56 of the Maryland Mining Law which requires that advance notice be given of the re-opening of mines which have been abandoned for some time.

SAFETY ORDERS

No safety orders were issued during the period covered by this report.

MINE RESCUE AND FIRST AID

The Mine Rescue Station established in the latter part of 1923 was maintained during 1924 in the temporary station at Westernport, Md. District Mine Inspector, John B. Watkins, gave instruc-

tion in Mine Rescue and First Aid during the Summer School for Coal Miners and trained twenty-one (21) men in Mine Rescue and First Aid. These men were afterwards examined by a representative of the United States Bureau of Mines of Pittsburgh, Penna., and were given certificates of First Aid and Mine Rescue by the United States Bureau of Mines. The following men received training:

William Hartley.....	Kitzmilller, Md.
Robert K. Todd.....	Lonaconing, Md.
William H. Rankin.....	Lonaconing, Md.
T. F. McKernan.....	Frostburg, Md.
Bernard D. Byrnes.....	Frostburg, Md.
Walter Kallmyer.....	Lonaconing, Md.
Hubert E. Long.....	National, Md.
James H. Close.....	Frostburg, Md.
Robert Ewing.....	Midland, Md.
Harold E. Avery.....	Mt. Savage, Md.
Joseph T. Jenkins.....	Mt. Savage, Md.
Felix Foote.....	Lonaconing, Md.
Michael McGeady.....	Midland, Md.
G. M. Machin.....	Mt. Savage, Md.
George Pritts, Jr.....	Kitzmilller, Md.
Carmelo Pinto.....	Frostburg, Md.
J. P. Brown.....	Westernport, Md.
Harry Retzer.....	Mt. Savage, Md.
Albert Simpson.....	Midland, Md.
John Wallace.....	Nikep, Md.
J. P. Guy.....	Westernport, Md.
Carson Hyde.....	Barton, Md.

EXAMINATION FOR MINE FOREMEN, ASSISTANT MINE FOREMEN AND FIRE BOSSES

The Second examination for Mine Foremen, Assistant Mine Foremen and Fire Bosses under the new Maryland Mining Law, was held in the State Normal School at Frostburg, Allegany County, from September 2 to 5, 1924, inclusive. To those who passed the examination in accordance with the mining law, Mine Foreman Certificates of Competency of the First and Second Class were issued; also Certificates of Competency for Fire Boss. No Service Certificates were issued at this examination. The following candidates passed and were awarded Certificates of the character indicated:

FIRST CLASS CERTIFICATES

No. 199—Lloyd M. Hellyer.....	Westernport
No. 200—Peter Hoyer.....	Ocean
No. 201—James Frederick Jenkins.....	Frostburg
No. 207—Albert Machin.....	Mt. Savage
No. 209—David M. McKinley.....	Bayard, W. Va.
No. 217—L. C. Shaffer.....	Frostburg
No. 222—William D. Walker.....	Kitzmiller
No. 229—Philip Hartig, Jr.....	Frostburg

FIRE BOSS CERTIFICATE

No. 210—Albert Tomiko.....	Kempton
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SECOND-CLASS CERTIFICATES

No. 187—John M. Amtower.....	Shallmar
No. 188—Bernard D. Byrnes.....	Frostburg
No. 189—Frank W. Carter.....	Eckhart Mines
No. 190—James H. Close.....	Frostburg
No. 193—Russel Edw. Dively.....	Vindex
No. 194—William J. Donahue.....	Frostburg
No. 195—John James Doram.....	Frostburg
No. 196—Robert D. Ewing.....	National
No. 198—Richard Hawkins.....	National
No. 202—Walter Kallmyer.....	Lonaconing
No. 203—John Hetzel Kidwell.....	Eckhart Mines
No. 205—William M. Lemon.....	Shallmar
No. 206—Hubert Long.....	National
No. 213—William Howatt Rankin.....	Lonaconing
No. 219—Albert Simpson.....	Midland
No. 220—John J. Tibbetts.....	Bloomington
No. 221—Robert K. Todd.....	Lonaconing
No. 225—Frank J. Williams.....	Eckhart Mines
No. 227—Clarence J. Powers.....	Frostburg
No. 228—Alex. C. Neal.....	Frostburg
No. 230—John Jacob Seibert.....	Eckhart Mines
No. 232—John James Henaghan.....	Mt. Savage
No. 237—Joseph Edw. Finzel.....	Mt. Savage
No. 239—Carson F. Hyde.....	Barton
No. 241—Robert L. Edwards.....	Eckhart Mines
No. 243—John D. Frenzel.....	Barton

REPORT OF THE NIGHT MINING CLASSES
SEPTEMBER 10, 1923, TO MAY 5, 1924

L. C. HUTSON, Vocational Mining Instructor

These classes were conducted at five points in the Western Maryland coal field, viz: Barton on Monday night, Kitzmiller on Tuesday night, Dodson on Wednesday night, Mt. Savage on Thursday night, and Frostburg on Friday night of each week.

The classes were conducted under the following schedule:

Organization	1 week
Safety Lamps.....	6 weeks
Mine Gases	7 weeks
Ventilation	12 weeks
Timbering	4 weeks
Examination	1 week
Review	1 week
Total.....	32 weeks

The lecture method was used exclusively, along with full opportunity by the class to discuss any point on which there might be a difference of opinion, or on which they desired further information. In addition, each student was required to purchase two Home-work books in which to do his written work. This written work consisted of a number of questions given out at the close of each lecture, the answers to which the student turned in the following week to the instructor for correction. At that time he received his other Home-work book, which had been corrected the week previous. In this way a continuous cycle was maintained.

The regular course of instruction was supplemented by classes in Mining Arithmetic conducted in Frostburg, Barton, Mt. Savage and Kitzmiller. These classes were held one night each week, starting in January and continuing until the close of the regular mining course. The instructors were the local teachers in the public schools, with the exception of the class at Kitzmiller, which was taught by the Mining Instructor.

The arithmetic classes were productive of great assistance to the students attending the mining classes, and a number of men whose previous educational preparation had been limited, were thus enabled to keep up in their study of technical problems in mining.

AVERAGE ATTENDANCE

Barton Class	41
Kitzmiller Class	17
Dodson Class.....	9
Mt. Savage Class.....	14
Frostburg Class	77
All Classes.....	160

HOME WORK

The average number of Home-work books turned in to the Instructor for correction, was 94% of the total attendance.

AVERAGE AGE AND PREVIOUS EDUCATIONAL PREPARATION

Class	Average Age	Years in School
Kitzmilller	31 years	7
Dodson	33 years	6
Mt. Savage.....	33 years	6
Frostburg	37 years	7
Barton	36 years	7

Average age of all men, 34 years.

Average previous educational preparation of all men, 6% years.

SUMMARY OF ENROLLMENT

Class	Fees Paid	Fees Unpaid	Total Enrollment
Barton	63	13	76
Kitzmilller	32	5	37
Dodson	16	14	30
Mt. Savage.....	27	10	37
Frostburg	118	17	135
Total.....	256	59	315

CERTIFICATES

Certificates of attendance were issued to all men who made 80 per cent or better attendance from the beginning of the classes.

Barton	35
Kitzmilller	13
Dodson	8
Mt. Savage.....	11
Frostburg	50
Total.....	117

NATIONALITIES

Barton Class—American (N. B.), 74; Scotch, 2.
 Kitzmilller Class—Americans (N. B.), 34; Scotch, 3.
 Dodson Class—Americans (N. B.), 30.
 Mt. Savage Class—Americans (N. B.), 37.
 Frostburg Class—Americans (N. B.), 127; Scotch, 1; English, 3; Welsh, 2;
 Italian, 2.

Summary:

Americans (N. B.).....	302
Scotch	6
English	3
Welsh	2
Italian	2
Total.....	315

OCCUPATIONS

Operators	4
Superintendents	10
Mine Foremen.....	62
Assistant Mine Foremen.....	9
Motormen	13
Tracklayers	8
Drivers	6
Trappers	2
Office Men	6
Engineers	12
Laborers, Miners, Weighmen.....	10
Company Inspectors.....	6
Miscellaneous	54

CONCLUSION

It may safely be said that this is a far better report than could have been hoped for at the beginning of this work, and it is thought if this work is carried on another year the figures will be far better than this. In the hope the work will be carried on this report of the first year's work of the Night Mining Classes in Maryland is hereby submitted.

REPORT OF MINING EXTENSION CLASSES
PERIOD SEPTEMBER 15, 1924, TO JANUARY 16, 1925,
INCLUSIVE

The Mining Extension Classes of Maryland were organized at Westernport on the night of September 15, 1924, at Lonaconing on September 16, at Kitzmiller on the night of September 17, at Mt. Savage on the night of September 25, and at Frostburg on the night of September 19. Due to a misunderstanding at Mt. Savage, the Class at that place was not organized until the second week. After the classes were organized the following schedule was put into effect:

Monday night.....	Westernport
Tuesday night.....	Lonaconing
Wednesday night.....	Frostburg
Thursday night.....	Mt. Savage
Friday night.....	Kitzmiller

On the above schedule the Classes met each week, with the exception of holidays, for a total of sixteen weeks.

SUBJECTS

The only subject studied during this period was Coal Mine Ventilation, together with a related course in Map Reading, which is still in progress. The program of subjects for the school year was mapped out as follows:

	Weeks
Coal Mine Ventilation.....	13
Map Reading.....	6
Mine Gases.....	6
Explosives.....	3
Safety Lamps.....	3
Examination.....	1
Review.....	1
Total.....	33

ENROLLMENT

Westernport.....	33
Lonaconing.....	41
Frostburg.....	100
Mt. Savage.....	28
Kitzmiller.....	34

PAID ENROLLMENT FEE

Westernport	25
Lonaconing	31
Frostburg	60
Mt. Savage.....	11
Kitzmilller	17
Total.....	<u>144</u>

UNPAID ENROLLMENT FEE

Westernport	8
Lonaconing	10
Frostburg	40
Mt. Savage.....	17
Kitzmilller	17
Total.....	<u>92</u>

NUMBER OF MEN ENROLLED WHO DID NOT ENROLL
LAST YEAR

Westernport	14
Lonaconing	31
Frostburg	45
Mt. Savage.....	15
Kitzmilller	16
Total.....	<u>121</u>

SUMMARY

Per cent of enrollment fee collected.....	61%
Per cent of men doing home work.....	97%
Per cent of new men in classes.....	51%
Average attendance of all classes for 16 weeks.....	134
Average attendance of Frostburg Class for 16 weeks.....	61

REPORT ON MARYLAND SHORT COURSE IN COAL MINING

L. C. HUTSON, Director

The first Summer Short Course in Coal Mining ever conducted in Maryland opened in the State Normal School Building at Frostburg, on June 9, 1924. It was carried on for three weeks at the above location, at the end of which time it was transferred to the Beall High School Building, Frostburg, for the remaining two weeks. After five weeks of instruction at Frostburg the students, together with the instructors, visited the Experimental Mine of the United States Bureau of Mines, situated at Bruceton, Penna. A regular schedule prepared by the Bureau engineers, consisting of experiments both in and out of the mine, together with tours of inspection of both the Experimental Mine and Indianola Mine of the Inland Collieries Company, was carried on for one week. This concluded the course and the Class then returned to Frostburg where a banquet was held on the night of July 21st, when the Course was formally brought to a close.

CORPS OF INSTRUCTION

L. C. Hutson, Vocational Mining Instructor and Director of the Short Course.....	General Mining.
Dr. J. J. Rutledge, Chief Mine Engineer, Maryland Bureau of Mines.....	Coal Mining Methods.
R. C. Fleming, E. M., University of Illinois.....	Electricity in Mines. Drawing. Mining Mathematics. Maryland Mine Law.
J. B. Watkins, District Mine Inspector.....	First Aid. Mine Rescue.

In addition to the above, the students were greatly benefitted by informal lectures by the following:

- G. M. Gillette, General Manager, Maryland Division, The Consolidation Coal Company.
- J. S. Brophy, President, Piedmont and George's Creek Coal Company.
- L. F. Gerdetz, Consulting Engineer, George's Creek Coal Mining Company.

SUBJECTS AND SCHEDULE

(Morning)			(Afternoon)
1st week,	8:00- 9:00	Mining Mathematics	
	9:15-10:30	Explosives	First Aid
	10:45-12:00	Coal Mine Methods	Maryland Mine Law
2nd week,	8:00- 9:30	Mining Mathematics	Mine Rescue
	9:15-10:30	Electricity in Mines	Drawing
	10:45-12:00	Drainage and Pumping	Safety Lamps Maryland Mine Law
3rd week,	8:00- 9:00	Mining Mathematics	Mine Rescue
	9:15-10:30	Mine Ventilation	Drawing
	10:45-12:00	Haulage	Safety Lamps Maryland Mine Law
4th week,	8:00- 9:00	Mining Mathematics	Mine Rescue
	9:15-10:30	Mine Ventilation	Drawing
	10.45-12:00	Haulage	Safety Lamps Maryland Mine Law
5th week,	8:00- 9:00	Mining Mathematics	Mine Rescue
	9:15-10:30	Mine Gases	Drawing
	10:45-12:00	Mine Fires and Explosions	Safety Lamps Maryland Mine Law
6th week,, spent at Bruceton, Pa., U. S. Bureau of Mine's Experimental Mine.			

ENROLLMENT

The total enrollment of students numbered thirty-two, of whom the majority were sent to the Course by their respective companies, with either full or part time allowed while attending. A few men came on their own resources, and there were several instances in which men attended the course while working on the night shift.

Name	Address	Age	Occupation	Sent By
George Tipping	Frostburg	37	Foreman	Mt. Savage Mining Co.
Vernon Diehl	Mt. Savage	16	Miner	*Self
Felix Foote, Jr.	Lonaconing	37	Foreman	*Self
Hubert E. Long	Frostburg	26	Hoisting Engineer	*Self
Robt. D. Ewing	Frostburg	26	Asst. Foreman	Consolidation Coal Co.
Robt. K. Todd	Lonaconing	40	Foreman	George's Creek Coal Co.
Wm. H. Rankin	Lonaconing	30	Foreman	George's Creek Coal Co.
M. A. McGeady	Midland	47	Foreman	Consolidation Coal Co.
John Shields	Midland	68	Tracklayer	Self
Walter L. Kallmyer	Lonaconing	40	Foreman	Koontz Coal Co.
Wm. M. Hartley	Mt. Savage	27	Foreman	Union Mining Co.
Thos. F. McKernan	Frostburg	21	Engineer Corps	Piedmont & George's Creek Coal Co.
John D. Wallace	Pekin	33	Foreman	Piedmont & George's Creek Coal Co.
Carson F. Hyde	Barton	28	Miner	Consolidation Coal Co.
J. P. Guy	Westernport	39	Foreman	R. J. Ross Co.
James P. Brown	Westernport	42	Foreman	West Virginia Pulp & Paper Co.
Harold E. Avery	Mt. Savage	22	Coal Sales	Mt. Savage & Geo. Creek Coal Co.
Harry Retzer	Mt. Savage	37	Foreman	Mt. Savage Fuel Co.
John M. Fatkin	Frostburg	49	Foreman	McNitt Coal Co.
James H. Close	Frostburg	27	Surveyor	Consolidation Coal Co.
Bernard D. Byrnes	Frostburg	47	Foreman	Sullivan Bros. Coal Co.
George W. Pritts	Kitzmiller	23	Laborer	Self
Carmelo Pinto	Frostburg	29	Miner	Self
John J. Doram	Frostburg	38	Laborer	Consolidation Coal Co.
Joseph Jenkins	Mt. Savage	38	Foreman	Brailer Mining Co.
Gilbert Machin	Mt. Savage	21	Blacksmith	Union Mining Co.
Fred J. Jenkins	Frostburg	44	Foreman	Self
Marshall Long	Cumberland	45	Farmer	Self
Harry Connor	Lonaconing	34	Miner	George's Creek Coal Mining Co.
George Heffner	Westernport	25	Laborer	R. J. Ross Co.
L. R. Kight	Westernport	44	Superintendent	R. J. Ross Co.
Albert Simpson	Midland	31	Miner	Self

* Men who were on night shift.

**RECLAMATION OF THE BIG VEIN COAL AT THE SONNY
MINE OF THE GEORGE'S CREEK COAL MINING
COMPANY, LONACONING, MARYLAND**

By **LOUIS F. GERDETZ,**

Consulting Engineer in Charge of Operation.

INTRODUCTION

On the occasion of one of my visits to the East in 1919, a friend of mine, a coal mining engineer, discussing the merits of various methods of coal mining in vogue in this country and abroad, casually remarked that in the George's Creek basin (Maryland) the Pittsburgh seam of coal, locally known as the Big Vein and considered for many years past as exhausted, was mined by the early day operators in such an inefficient manner that about fifty per cent of it was lost and left in place, in standing pillars, tops and bottoms. He also mentioned that, barring a few small operations engaged mostly in the recovery of the outcrop coal, stimulated to that by the war and post war time booms, no efforts had been made so far to recover this coal in an orderly and systematic manner.

Considering that he placed the height of the seam at ten to fourteen feet and the quality of the coal as one of the best bituminous in the land, his remarks naturally excited my curiosity and created the desire to visit the field and investigate his remarkable statements.

Not until late in 1922 did this opportunity present itself. At that time, having located in Pittsburgh with the intention of taking up the coal mining practice, which I had, since my arrival in the States, neglected for tunnel construction, mining, etc., in the West, I obtained the permission of the officials of the George's Creek Coal Mining Company to visit its operations at Lonaconing, Md.

INVESTIGATION

This company was holding in lease the properties of the old American Coal Company, located between Lonaconing and Barton, Md., to the south of the George's Creek, known as the Jackson Mines.

To confine myself to the operations on the Big Vein; this Company, like many others in this field, was engaged in the reclamation of this coal on a small scale. The operations previous to my visit were restricted mostly to outcrop mining where for a strip of about one hundred feet the coal was left solid by the early mining operations, due probably to its inferior quality owing to the proximity to the surface. These operations, as customary in the field, were conducted on the "System" of Room and Pillar mining. For some time during 1917 and 1918 part of the outcrop coal was also recovered by stripping operations.

It may be said here that with the mining of this outcrop coal during the war and post war booms, the last strips of solid Big Vein coal in this field were exhausted. That is, exhausted as it goes in Room and Pillar mining parlance. In fact, over fifty per cent of this coal also was wasted and left in place in badly cut-up stumps, probably never to be recovered.

At the time of my visit to the mines the Company was driving an exploration drift into the old workings, starting about 1500 feet south of the old Jackson No. 1 Mine (see drawing No. 1). This drift, penetrating about 1400 feet from its mouth and attaining about 900 feet maximum depth from the outcrop, intersected in its course several pillars of various thickness and cut the old Stewart and Main entries. This prospect drift showed that the old rooms and entries were, without exception, filled with the caved top coal and "Rashen," also partly with roof rock and that bottom coal was left in place. It also disclosed, however, that some of the pillars were missing, particularly at the points of intersection of the drift with the old entries. There were unquestionably evidences of a later day attempt at second mining.

The writer obtained valuable information concerning the old workings and the methods of mining employed in the early days in the Jackson Mine and in the George's Creek field in general, from old-timers, employees of the George's Creek Coal Mining Company and the American Coal Company. While this information was of a

scattered nature, each man remembering only certain places of the mine he used to work in thirty or forty years before, and while other information was mostly hearsay, it nevertheless was valuable and helped the writer to come to definite conclusions which thereafter proved correct. These conclusions were as follows:

1. That large quantities of coal in pillars, tops and bottoms were available on the property.
2. That the amount of this available coal would average not less than fifty per cent of the seam in the area where bottom coal was left in place.
3. That the coal could be recovered and marketed profitably in competition with coals of similar qualities derived from mines operating in solid coal.

With those conclusions settled, the writer in 1923 entered into an agreement with the George's Creek Coal Mining Company to develop the properties of the old Jackson Mines according to his plans and direction.

HISTORY

Subsequent explanations in this article dealing with a partial history of the property, past and present mining, etc., are based on further information gained in the field and from the actual operation of the Sonny Mine since 1923 to date.

The mining of the Big Vein on this property was started about 1854. Map No. 1, prepared by the late Isaac Bradburn, of Lonaconing, Md., dated 1883, and Map No. 2, prepared by an unknown author, dated April 10th, 1861, show the extent of the property, the layouts of the mines, and respective developments as of dates of the maps.

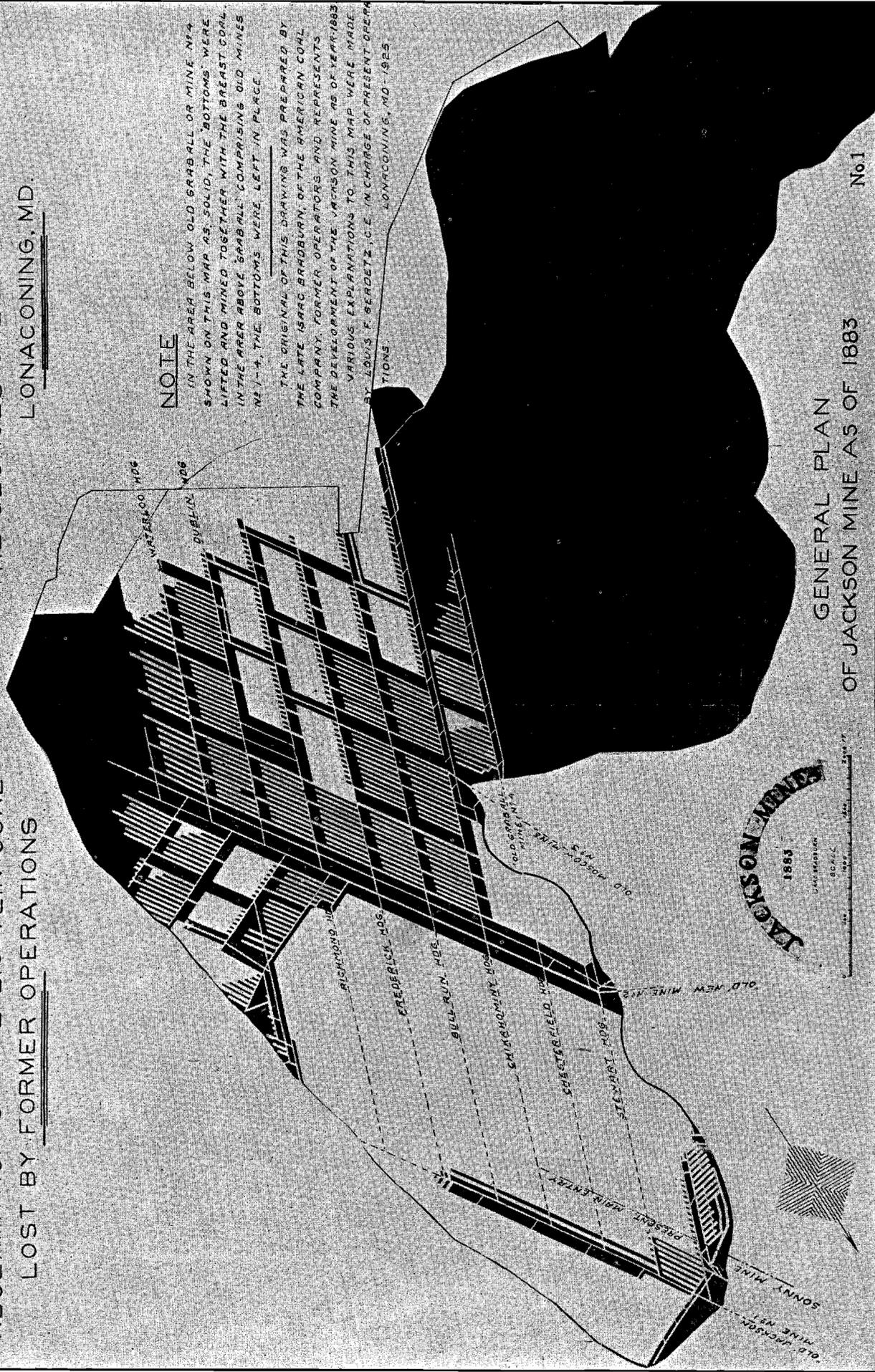
The area of this property underlain by the Big Vein amounts to approximately 1,100 acres.

Map No. 2 shows the development of Jackson No. 1 Mine, and it is in this area that present development is taking place. Map No. 1 shows this area as completely exhausted.

The early development of Jackson No. 1 Mine was conducted on the Room and Pillar system by driving the main entry into the body of coal on the full raise of the seam, spacing branch entries there-

RECLAMATION OF THE BIG VEIN COAL
LOST BY FORMER OPERATIONS

THE GEORGES CREEK COAL MINING CO.
LONACONING, MD.



NOTE

IN THE AREA BELOW OLD BRABALL OR MINE NO. 4 SHOWN ON THIS MAP AS SOLID, THE 'BOTTOMS' WERE LIFTED AND MINED TOGETHER WITH THE BREAST COAL IN THE AREA ABOVE BRABALL, COMPRISING OLD MINES NO. 1-4, THE 'BOTTOMS' WERE LEFT IN PLACE.

THE ORIGINAL OF THIS DRAWING WAS PREPARED BY THE LATE ISAAC BRADBURY, OF THE AMERICAN COAL COMPANY, FORMER OPERATOR, AND REPRESENTS THE DEVELOPMENT OF THE JACKSON MINE AS OF YEAR-1883. VARIOUS EXPLANATIONS TO THIS MAP WERE MADE BY LOUIS F. GERDEZ, C.E. (IN CHARGE OF PRESENT OPERATIONS) LONACONING, MD. 1925.

GENERAL PLAN
OF JACKSON MINE AS OF 1883

No. 1

Fig. No. 1

from on about 450 feet centers. The branch entries were placed slightly off water level in favor of loads.

The rooms driven from branch entries on full raise were spaced on 40 feet centers. They were 400 feet long and 16 to 20 feet wide, leaving pillars 20 to 24 feet in thickness.

Commencing with the old Chesterfield heading, one hundred feet barrier pillars were left on the lower side of the headings for protection. Barrier pillars were left in place also at certain intervals between rooms and along the main entry. The area of first extraction, according to this plan of mining, was approximately forty-two per cent.

Up to 1888 the mining was confined entirely to the recovery of "Breast Coal" (see stratigraphic section of Big Vein Seam), leaving approximately two feet six inches of bottom coal and one foot six inches to two feet of top coal in place. Thereafter, and in the territory lying north and west of the "Graball" or Mine No. 4, shown on Map No. 1 as undeveloped, bottom coal was mined together with the breast coal.

The explanation given for the leaving of top coal in place is that it formed a more dependable roof to timber against than the laminated shale and wild coal immediately overlying the seam.

The reason for leaving the bottom coal in place is more difficult and variably explained. It is the writer's opinion that it was done principally to obtain ideal mining conditions. The breast coal, being of more friable structure, six feet six inches to seven feet in height, and free of any impurities, constituted an ideal seam to work in, and considering that mining in those early days was confined entirely to pick and wedge labor, no explosives being permissible, and that the bottom coal is of stronger structure, one can readily find sufficient reason for such action on the part of the early day operators and miners. Subsequently, this practice no doubt became the vogue of the field and remained as such for a considerable number of years. The bottom coal, having a defined binder on its top, formed a perfect floor for the mining of the breast coal. Eliminating the above given reasons, there remains very little to explain why it was left in place, at least for such a prolonged period, since it only slightly differs in quality from the breast coal.

Judging from the layout of the mine and from other evidences uncovered during the period of present development work, it is the opinion of this writer that the recovery of pillar coal by a second

mining was not the intention of early day operators and miners. As previously mentioned, the evidence of some pillar robbing was observed in the first investigation of 1922, but at that time, owing to the limited area of development, it was difficult to ascertain to what extent and under what condition such had taken place. Subsequently, as the present development progressed, it became evident that a half-hearted attempt to recover some of the coal was really made about 1880-1885.

Present development disclosed that timbering in the first mining was negligible, just sufficient to enable the men to drive the rooms to their destination, which no doubt collapsed with the first sign of weight extended by the superimposed strata as the coal was being taken out. The area of extraction of the layout was unquestionably in excess of that required to support the over-burden considering the height and the friability of the seam. (See Figs. 10 and 10-A.)

Fig. No. 10

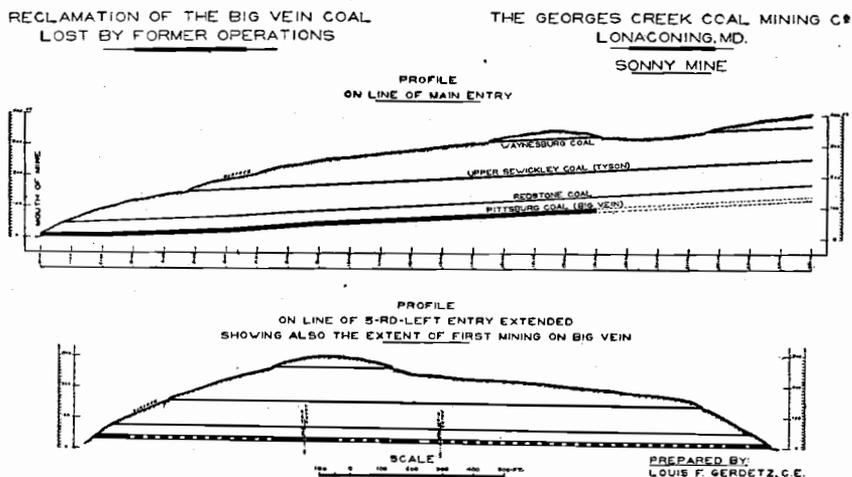


Fig. No. 10-A

It followed that the top coal and "rash" caved on top of the bottom coal and filled the rooms to within a few feet of the roof rock. In some instances slabs of rock were also found to have detached themselves from the roof. In the majority of cases, however, where pillars were found intact, the roof rock spans the old rooms and entries and is quite undisturbed. (See Figs. Nos. 3 and 3-A.)

It is evident, therefore, that when the later day management of the mines became interested in the idea of reclaiming coal in the areas exhausted by first mining, it found that while certain entries more carefully timbered were still open, the majority of rooms were blocked by falls. To avoid cleaning up these falls and so recover the coal in the orthodox manner of the system, it indiscriminately commenced robbing the pillars along the entries. The usual style of this robbing consisted of driving narrow entries into the pillar, splitting it in two from the bottom up, leaving shells of coal standing on both sides. This mode of mining, of course, caused an immediate disturbance in the superimposed strata which not only prevented the recovery of any appreciable amounts of coal, but adversely affected large adjoining areas. It has been established that the penetration into the pillars by such practice of mining very seldom reached seventy-five feet from the old entry. Even so, it caused considerable damage and waste of coal.

Some of the pillars were found robbed from the tops or from various distances up the rooms and down. This usually occurred where rooms were narrow and found standing. Even in those cases the coal was found to have been only "gouged" out, leaving probably one-half of it in blocks and stumps.

The barrier pillars along the main and branch entries suffered the same fate. Invariably, however, more than fifty per cent of the coal affected by this destructive secondary mining was found standing, even though badly cut up.

It is this secondary attempt at mining by the later day executives of the mines that caused the real waste of coal of this seam, regardless of negligible and poor results achieved thereby.

It is quite necessary that I should, for information and proper conception of the present systems of mining, mention the above facts and explain to the reader the actual conditions of the old workings so far penetrated, since it may be wrongly assumed that pillars, as shown on various drawings attached to this article, are invariably intact and as left by the first mining. This is not the case.

The development of the mine to date has shown that the old maps are fairly correct; at least insofar as the principal entries are concerned. The alignment and size of old rooms and pillars, also the spacing of crosscuts, vary to a certain extent, but in general the survey of the old Jackson No. 1, considering the period and conditions under which it had to be executed, is remarkable. One must

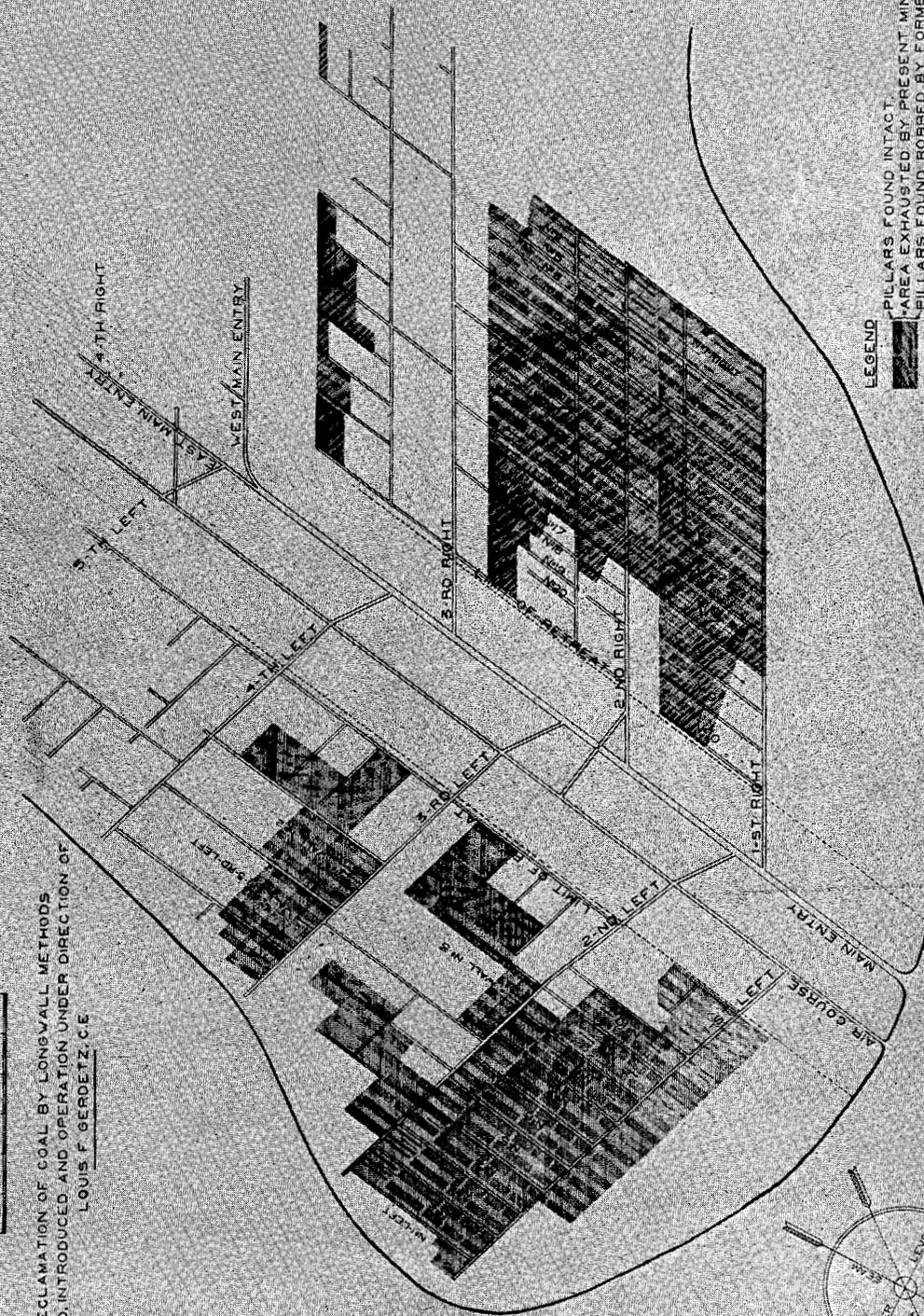
RECLAMATION OF THE 'BIG VEIN' COAL
LOST BY FORMER OPERATIONS

GENERAL PLAN
SHOWING DEVELOPMENT OF MINE
AS OF SEP. 1st, 1925

SCALE
1-INCH=100-FEET

RECLAMATION OF COAL BY LONGWALL METHODS
PLANNED, INTRODUCED AND OPERATION UNDER DIRECTION OF
LOUIS F. GERDETZ, C.E.

THE GEORGES CREEK COAL MINING COMPANY
LONACONING, MD.
SONNY MINE, No. 1



GENERAL PLAN
SHOWING DEVELOPMENT AS OF SEPT. 1st, 1925

No. 4

Fig. No. 4

LEGEND
 PILLARS FOUND INTACT
 AREA EXHAUSTED BY PRESENT MINING
 PILLARS FOUND ROBBED BY FORMER MINING
 PLAN OF JACKSON MINE AS OF APRIL 10TH 1881
 PREPARED BY AN UNKNOWN AUTHOR.

PLAN

SHOWING METHOD OF LONGWALL MINING
EMPLOYED IN RECLAMATION OF THE "BIG VEIN" COAL
LOST BY FORMER METHODS OF MINING

DISPOSITION OF FACES AND ENTRIES STYLE N°1

SCALE 1" = 20'

THE GEORGES CREEK COAL MINING COMPANY
LONACONING, MD

THIS METHOD OF MINING AND STYLE OF TIMBERING
INTRODUCED BY AND OPERATION UNDER DIRECTION OF
LOUIS F. GERDETZ, C.E.

NOTE

THIS DRAWING SHOWS THE ACTUAL
POSITION OF FACES AS OF APRIL, 1912.
ROOF-LAGGERS AND FORE-POLES ON FACES
AND ENTRIES ARE ELIMINATED. PRINCIPAL
TIMBERING FOR THE CONTROL OF ROOF IS
SHOWN ONLY.

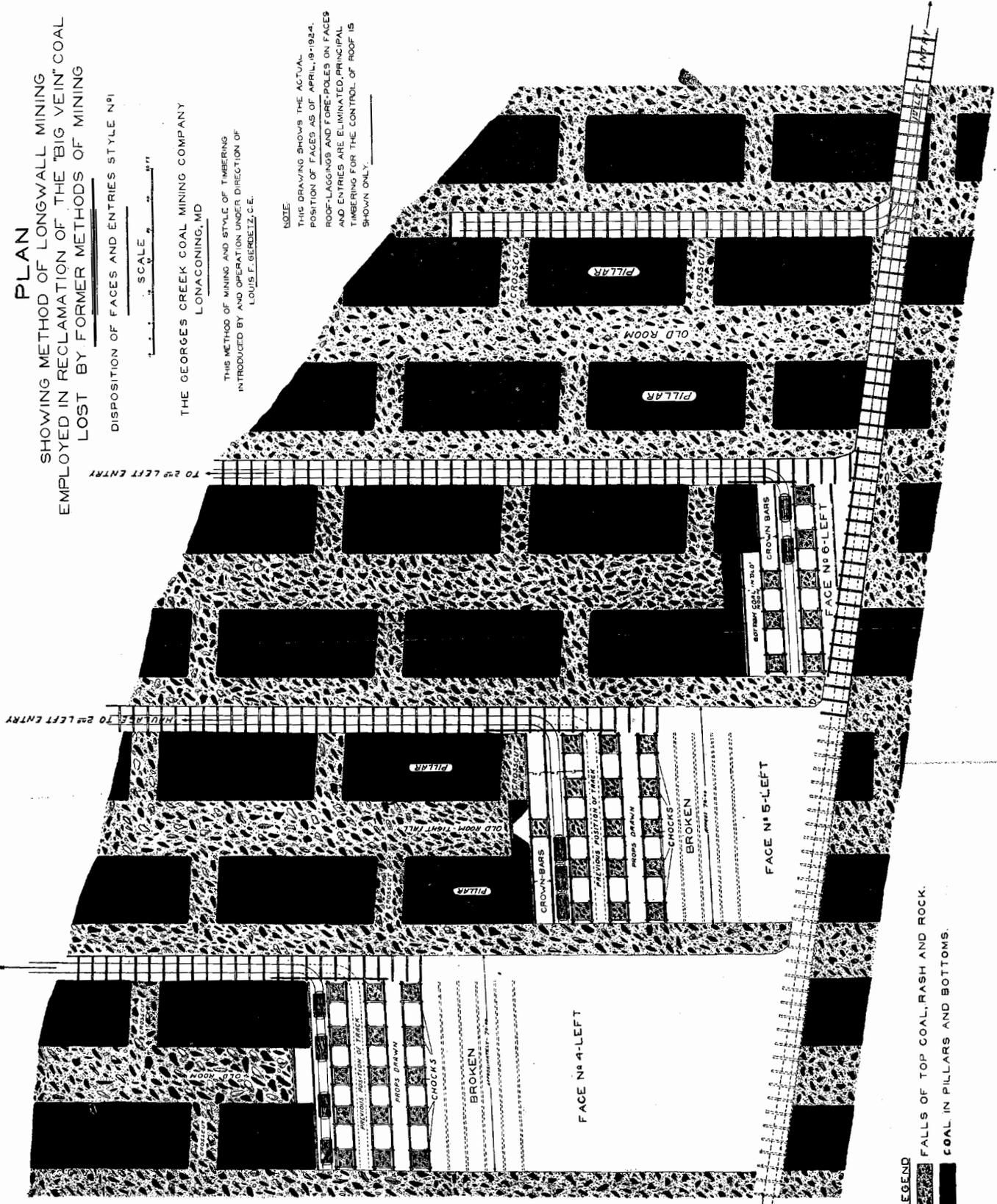


Fig. No. 5

consider that mining, as represented by Map No. 2, was performed sixty-five to seventy years ago, without artificial ventilation, and when equipment, lighting, etc., was of most primitive nature when compared with that of today.

PRESENT DEVELOPMENT

The methods of mining adopted for the reclamation of this coal are based on the principle of complete recovery of the product in evident "tons per acre," with such necessary alterations and additions of various mining practices to conform and take care of the singular conditions of the problem.

Drawing No. 4 shows the disposition of new entries in relation to the old layout, also the direction of advance or retreat, as the case may be, of main mining operations.

The preliminary or advance development by entries has for its object the most important phase of the problem, that of establishing the presence of coal in pillars and stumps over a certain area with the least possible disturbance of the old workings.

The main entry, which is double tracked, the air course, and entries advancing in the direction of the pillars are usually placed along the course of the old rooms, keeping in contact with the pillars. The branch entries are placed at such distances from the old entries that they intersect pillars above the possible line of secondary mining. After the branch entries have reached their destination and the presence of pillars in a certain panel is established, the main mining operations are then planned accordingly.

Usually those operations are started at the extreme point of penetration, retreating towards the main entry. However, in panel No. 2 (second left), Wall No. 5 was started before the preliminary development ahead was completed. In this case the entry at the bottom of the wall is maintained open through the broken "gob." Individual operations in various panels are conducted either on the raise or the dip of the seam, as conditions may dictate. The number of pillars in each face varies according to conditions encountered in each panel. Usually two pillars and the intervening room form a face. (See Fig. No. 5.) If pillars are weak or partially robbed (in doubtful territories) panel entries are driven along the line of each pillar, and such pillars or stumps are then brought down singly.

In panels No. 2 and No. 3, second and third left (see Fig. No. 6), the faces consist of four and five pillars and intervening rooms, respectively. These faces advance on the raise, but the haulage is placed in favor of empties as well as loads by maintaining the roads for the latter through broken (falls).

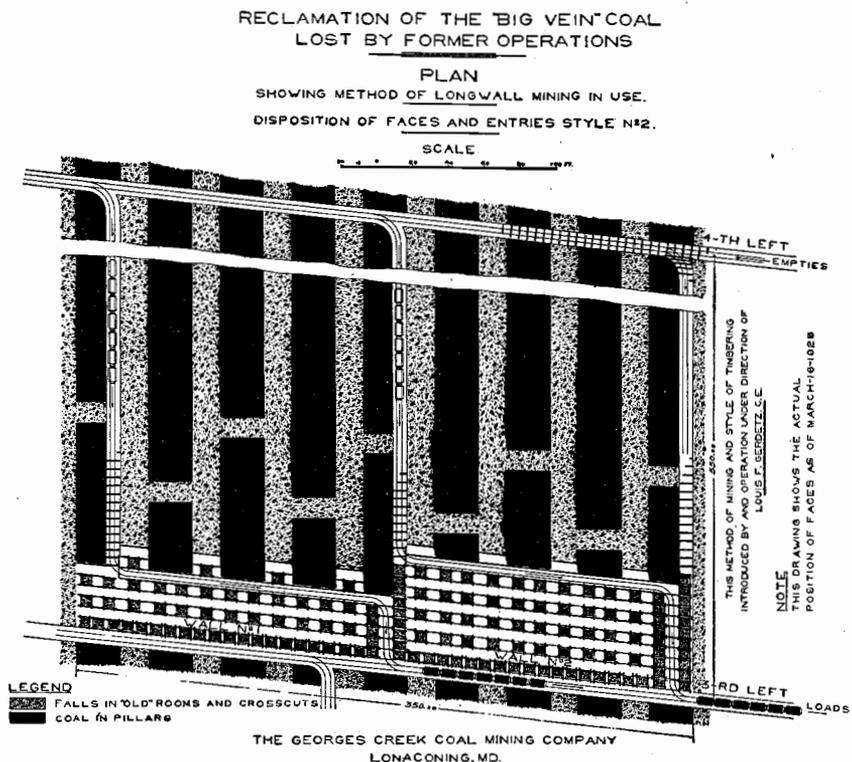


Fig. No. 6

In panel No. 1, first right (see Fig. No. 4), faces No. 8, 9 and 10, consisting of two pillars each, are retreating on the dip. Each of the faces has, however, its own road, which serves for empties as well as for loads, with the grade in favor of the loads. Most of the faces in panel No. 1, first left and first right, were worked on the raise, advancing. They were served by roads approaching from second left and right. Empties were handled on the dip, and loads on the raise.

Drawings accompanying this article show in clear detail the methods of timbering on the faces and entries.

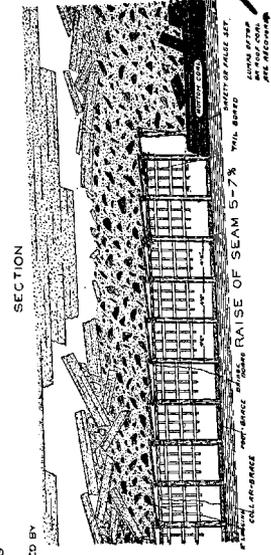
One of the most important innovations in the mining of this coal is the introduction of "laggings" (two inch x six inch x eight feet hardwood lumber) for use in entry and wall work when such are being advanced through falls. (See Figs. Nos. 7 and 8.)

It is the rule of this mine not to disturb the "rash" or the caved material above the timbered roof line in entries and on faces. This is accomplished by a method of roof timbering as shown in one of the drawings. It is frequently employed in tunnel construction practices in loose formation. It is also extensively used in some continental coal mining practices under bad roof conditions. In many of those mines, however, iron bars are substituted for lumber, and are subsequently withdrawn when they have served their purpose. In our case this system of roof lagging not only accomplished the desired results, but considerably hastens the advance of entries. It has increased by one hundred per cent, at least, the efficiency of the miners engaged in this class of work, compared with the former practice of entry driving in the George's Creek field. This is done with considerably less labor for the miner and increased safety factor from hazards of falling rock. (See Fig. No. 8.)

It is also the practice and the rule of this mine to loosely timber the sides of the entries whether they are in coal or in falls. This is done because the weight of the superimposed strata exercises an imperceptible but nevertheless gradual and steady pressure against the timbering of a new entry, and were it to be tightly side-lagged, this pressure would immediately and directly act against its principal timbers; to wit, the legs and caps of the sets, with a disastrous result. Being, however, side lagged with small-size poles in a lattice-like fashion, the material has sufficient room for expansion at the expense of the lattice work or sift into the entry without affecting to a great extent the principal timbering. In entries through coal the roof is timbered with small size poles spaced about eighteen inch centers, placed over the caps. Usually this action of the overburden subsides after a short period. The conditions of our entry driving in this respect are to a great extent analogous to actions encountered in deep coal mining practice where haulage roads must be protected by special means in order to keep them open and at the same time preserve timber.

RECLAMATION OF THE "BIG VEIN" COAL WASTED BY FORMER OPERATIONS

DOUBLE TRACK ENTRY SHOWING METHOD OF TIMBERING THROUGH FALLS THROUGH THE METHOD OF MINING AND TIMBERING INTRODUCED BY LOUIS F. GERDERTZ, C.E.

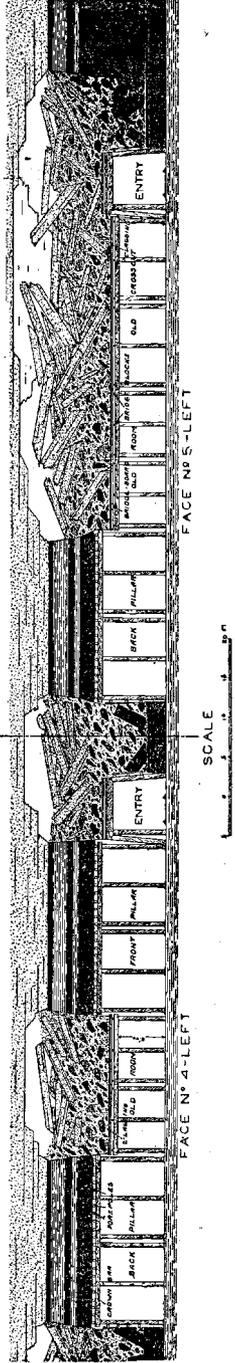


SCALE

Fig. No. 7

RECLAMATION OF THE "BIG VEIN" COAL WASTED BY FORMER OPERATIONS

LONGWALL FACES 4-AND-5-SHOWING METHOD OF TIMBERING THROUGH FALLS AND PILLARS THIS METHOD OF MINING AND TIMBERING INTRODUCED BY LOUIS F. GERDERTZ, C.E.



SCALE

Fig. No. 8

THE GEORGES CREEK COAL MINING COMPANY LONA CONING, MD.

THE GEORGES CREEK COAL MINING COMPANY LONA CONING, MD.

No such conditions are experienced on faces or in the main mining operations since these advance continually and the superimposed strata are allowed to come down as the operation advances.

The timbering on the faces and the action of roof as the faces advance, etc., are plainly shown on various drawings pertaining to this article. (See Fig. No. 9.)

It is noteworthy to mention that the introduction of the "Crown-bar" (roof bars placed parallel to the face) system of timbering in longwall mining is an innovation. It is seldom, if ever, used in solid coal mining, except under most trying roof conditions.

RECLAMATION OF COAL IN TONS PER ACRE

The recovery of coal under present plan of development calculated from the beginning of operations in 1923 and to August 1st, 1925 (shown on Map No. 4 as shaded area), has demonstrated that the present extraction exceeds that of the first mining, including that of the secondary, by almost forty per cent.

The area exhausted by present operations, including the territory in which pillars were found badly cut up or partially robbed, amounts to:

a—Main mining operation.....	25.50 acres
b—Preliminary development (entries in advance of main operations).....	3.50 "
A total of.....	29.00 "

Production during above period amounted to:

a—Coal derived from exploration drifts (prior to 1923)	3,089.00 N. T.
b—Present development in 1923.....	28,850.45 "
c—Present development in 1924.....	72,599.30 "
d—Present development up to July 31, 1925.....	132,476.72 "
Total	237,015.47 N. T.
Average recovery per acre.....	8,173.47 N. T.

The writer has included in the calculations of "Area Exhausted" all entries in advance of main mining operations.

Since the recovery of coal in entries "per acre" is considerably less than that of the main mining operations and since with further

RECLAMATION OF THE "BIG VEIN" COAL
 WASTED BY FORMER OPERATIONS.

THE GEORGES CREEK COAL MINING COMPANY
 LONACONING, MD.

SECTION THRU PILLAR SHOWING METHOD OF TIMBERING AT THE FACE
 AND ACTION OF ROOF

THIS METHOD OF MINING AND TIMBERING INTRODUCED BY LOUIS F. GERDEZ, C.E.

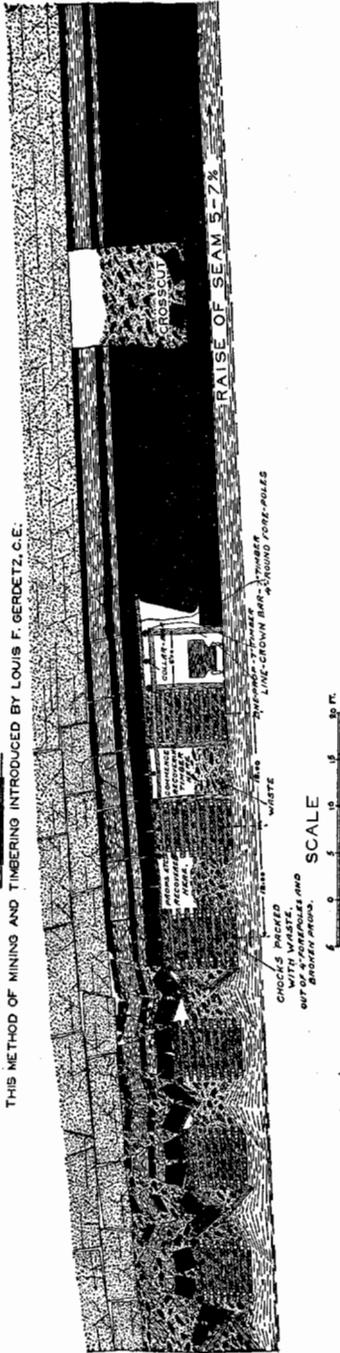


Fig. No. 9

progress of development the area of entries will increase only slightly in comparison with that of the main operations, it follows that in the future the amount of the recovery per acre will show a considerable increase. The recovery of coal on longwall faces proper checked during a three months' period amounted to 10,450 tons per acre.

The seam of coal checked over area exhausted and area penetrated by entries was found to be ten feet in height at an average. The seam is, however, increasing in height in favor of breast coal with the advance of the development south and southeast.

The average geological characteristics in this area are as follows:

Coal	16" (Top coal)
Parting	
Coal	78" (Breast coal)
Shale	1"
Coal	4"
Shale	$\frac{3}{4}$ "
Coal	12" (Bottom coal)
Shale	$\frac{1}{8}$ - $\frac{1}{4}$ "
Coal	8"

We may assume, therefore, that the actual height of minable coal of this seam in the area so far developed averages eight feet eight inches (8' 8") and its theoretical quantity per acre, 15,736 N. T.

Considering that 42 per cent of the breast coal was recovered in the first mining, which equals.....	4,953 N. T.
and that 8 per cent of the same coal was recovered in the secondary mining, equal to.....	943 N. T.

we find that those operations recovered.....	5,896 N. T.
Add to this our present recovery of.....	8,173 N. T.

and we obtain a total of.....	<u>14,069 N. T.</u>
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which still leaves unaccounted for.....	1,667 N. T.
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It is the opinion of this writer that the more exact amount of coal which still remains unreclaimed will amount to approximately 2,000 tons per acre. Most of this coal is lost in area where the secondary mining has created havoc. Its recovery is beyond our present control. A considerable amount of top coal crushed and

badly mixed with "rashen" is also for the present beyond recovery. With the installation of a proposed "washery," however, all of this coal will be recoverable.

In our present mining we are forced to leave the top coal in place, recovering, however, a certain quantity of it (lumps) when mining through falls.

The plant and the lay-out of the Sonny Mine was planned for a normal production of 1,500 tons per day. At this writing (August 1st, 1925) the production has reached about 1,200 tons.

It is the intention in the near future to raise the normal production of the mine to 2,000 tons per day. This can be easily done with an increase of the present rolling stock, since the tipple capacity is of 280 net tons per hour.

In conclusion, the writer, desiring to substantiate his estimates of the recovery of Big Vein coal by early day mining operations, quotes from the "Report on Coals of Maryland" by William Bullock Clark, State Geologist, with the collaboration of J. J. Rutledge, etc., issued by the Maryland Geological Survey, 1905, as follows:

On page 521 of this Report there is printed a "Table of Properties," containing the Great Bed of the Cumberland Basin. According to the report, this table was prepared by "J. T. Hodge, a mining engineer of standing and experience," in 1869, for the stockholders of the companies mining Cumberland coal in Allegany County, Md. It was prepared in connection with a proposed consolidation of the coal properties of the Cumberland Basin (George's Creek).

This table shows the acreage of Big Vein coal owned by respective parties, acreage exhausted, acreage remaining and tons shipped to date (1869).

Among others, the American Coal Company is quoted as follows:

Acres of coal.....	1,119
Acres exhausted.....	274
Acres remaining.....	845
Tons shipped.....	1,508,065

Which establishes the recovery at 5,500 tons per acre.

The Consolidation Coal Company is shown as follows:

Acres of coal.....	3,323
Acres exhausted.....	275
Acres remaining.....	3,048
Tons shipped.....	1,489,609.00

In this case the recovery amounts to 5,417 tons per acre.

The Cumberland Coal and Iron Company is shown as follows:

Acres of coal.....	4,900
Acres exhausted.....	600
Acres remaining.....	4,300
Tons shipped.....	3,130,282.00

This establishes the recovery in this case at 5,217 tons per acre. The table further shows that out of approximately 18,000 acres underlaid by Big Vein coal in the George's Creek Basin, 2,525 acres were already exhausted by 1869.

The recovery per acre is about the same in every instance and as shown in the above examples. It closely corresponds to our own calculations.

The writer is fully aware of the fact that subsequently with the mining of the bottom coal, together with the breast coal, the recovery per acre in the field has perceptively increased; however, he is also aware of the fact that less than 50 per cent of this acreage was so mined, also that regardless of this improvement, as far as the recovery of the additional bottom coal is concerned, practically no improvements in the system of mining has resulted therefrom.

The stability of the superimposed strata could not have improved by the additional height of the pillars when bottom coal was lifted. That which was impossible to accomplish in a six and one-half foot seam surely could not have improved considerably in a nine foot seam, other conditions of the layouts remaining the same.

It is the writer's opinion, based on investigations, experience and actual performance in the recovery of this coal on a large scale and by advanced system of mining, that today there is not less recoverable Big Vein coal in the George's Creek Basin than there was mined out in the past seventy years.

Conservatively estimating, the writer would place the available tonnage of this coal at 125,000,000 tons. To recover this coal entirely and to be able to market it under competitive circumstances, it is evident that more efficient principles of mining must be employed than those of the past.