FOURTH 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 1926



то

HON. ALBERT C. RITCHIE

GOVERNOR OF MARYLAND

JOHN J. RUTLEDGE Chief Mine Engineer



Press of 20th Century Printing Co. 404-406 W. Redwood Street Baltimore, Md.

LETTER OF TRANSMITTAL

To His Excellency,

HON. ALBERT C. RITCHIE, Governor of Maryland:

Sir:

I have the honor to submit herewith the Fourth Annual Report of the Maryland Bureau of Mines for the period January 1 to December 31, 1926, 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 1926, and is the fiftieth 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 1926.

•	(Net Tons)
Pick	2.194.416.09
Machine	956,115.12
	,

COAL PRODUCTION, ALLEGANY COUNTY

During the calendar year 1926, Allegany County employed 1,841 miners, 169 drivers, 472 inside laborers and 336 outside employes, making a total of 2,818 men. The production of coal for Allegany County during the calendar year 1926 was 2,272,375.10 net tons. This shows a production of 1,234 net tons for each miner employed during this period.

COAL PRODUCTION, GARRETT COUNTY

During the calendar year 1926, Garrett County employed 568 miners, 73 drivers, 129 inside laborers and 142 outside employes, making a total of 912 men. The production of coal for Garrett County during the calendar year 1926 was 807,303.18 net tons. This shows a production of 1,421 net tons for each miner employed during this period.

FIRE CLAY PRODUCTION

During the calendar year 1926, the Fire Clay Mines in Allegany County employed 57 miners, 15 drivers, 53 inside laborers and 27

outside employes, making a total of 152 men. The production of clay for Allegany County for the calendar year 1926 was 70,852.13 net tons. This shows a production of 1,243 net tons of clay for each miner employed during this period.

TONNAGE PER FATALITY (BY COUNTY)

In Allegany County for the calendar year 1926 there were 227,-237 net tons of coal produced for each fatal accident, while in Garrett County for the same period there were 403,651 net tons of coal produced for each fatal accident.

TONNAGE PER FATALITY FOR ENTIRE STATE

During the calendar year 1926, there were 256,639 net tons of coal produced for each fatal accident.

In the entire State the fatalities per 1,000,000 tons of coal were 3.896.

In the entire State the fatalities per 1,000 employes were 3.217.

FOR THE CALENDAR YEAR 1926

MARYLAND COAL TRADE DURING 1926

The coal trade, so far as Maryland mines were concerned, was rather spasmodic. The anthracite strike, which began September 1, 1925, and continued into February, 1926, had a guickening effect on Maryland coal trade as have all previous anthracite strikes. During January and February there was a very active demand for the prepared sizes of Maryland low volatile coal, this coal being used as a very acceptable substitute for anthracite. However, this demand ceased almost entirely when the anthracite miners resumed work and the demand for coal, especially prepared sizes, became extremely dull and continued so until the fall. During the late summer and early fall the current prices on the prepared sizes dropped to \$3.00 to \$3.50 per ton, and in some instances lower prices obtained. The strike of coal miners in the United Kingdom, which began on September 1st caused a sharp rise in prices for prepared as well as other grades of Maryland coal, \$5.00 per ton for the prepared sizes being realized very generally early in September and October, but on account of the influx of high volatile coal from other fields, especially from Northern and Southern West Virginia, the prices dropped again to \$3.50 to \$4.00 in November and Decem-Many contracts for the prepared sizes, during mid-summer ber. and into August, were taken at prices varying from \$3.50 to \$4.00. Demand for run-of-mine grades of coal was not nearly as active as was the demand for the prepared sizes, until September and October, when there came a call for this grade of coal. The two chief steam coals, Big Vein and Tyson, sold at \$2.75 and \$2.25, the Big Vein demanding the higher price. The prices just quoted prevailed for both contract and current order coal until September, when the demand became very active and prices rapidly mounted to as much as \$5.00 per net ton, but within a few weeks dropped to nearly normal again, except for the increased prices demanded by operators as the direct result of a very sudden and very material increase in tonnage and day wage rates made November 1st. The increased cost of producing coal, as a result of the wage increases. was passed on to the consumer.

Low grade run-of-mine coal was not easily moved during the first nine months of the year, but during the latter part of September the demand became more active, and during October and November the tonnage of lower grade coal greatly improved in volume and price. However, the brief period of high prices was not so remunerative, for the very great advances in the tonnage and day labor rates absorbed the increase in price by reason of the increase in cost of mining and preparing coal. The operators paid, during the month of November, practically the same wage and tonnage rates as were paid during the World War.

Thus it was that with all the changes in prices that occurred during 1926 there was relatively little profit left for the mining companies after the rush for coal had subsided and the operators had made their final settlements.

The three railroads transporting the coal produced in Maryland mines hauled about 25% more coal in 1926 than they did in 1925. Good authorities estimate that the entire production of the United States for 1926 of semi-bituminous and lignite will show an increase of about 11% for 1926 over 1925, with an increase in export business for the same period of about 55%, due to the strike in the United Kingdom.

Maryland coal operators enter the year 1927 with their mines in much better condition to produce coal than they were in 1926.

There is less shortage of labor at the close of the year than there was during nearly all of 1926, but there would still be a very considerable shortage if there was such a demand for coal as to keep the mines operating on a full time schedule, but if a decrease in demand occurs with the corresponding depression in price that always follows it, it would be difficult to keep the mining operations to an efficient stage. During such periods operations are neglected, labor scatters and the entire community feels the effect of the depression.

Many things might be done in a spirit of cooperation to fight such depressions; the chief action would be a very active and earnest campaign for the adjustment of freight rates on coal commensurate with the geographic and topographic situation of the Maryland coal fields. If at the same time Maryland coal operators can quickly adjust themselves to trade conditions and be able to meet their competitors, there is no doubt in the minds of those who are well informed on the subject that the results would be an increase in production for 1927, but to accomplish this it will require very considerable activity on the part of every one connected with and interested in the coal industry of Maryland.

It is believed that the coal business in Maryland has recovered to a very great extent from the disastrous conditions of 1922, and better times are in store for the industry during 1927. The tonnage during 1926 was 385,202 tons more than that produced in 1925. Times and conditions are getting more like the old times that made George's Creek famous.

During practically all of the calendar year 1926 there was a scarcity of mine labor in George's Creek and Upper Potomac coal fields in Western Maryland. Most of the time from 500 to 1,000 additional men could have secured employment in Western Maryland mines had they been available. November 1st a very large increase in tonnage and day wages was made and this resulted in former miners returning to the mines for employment. These men had been employed in the manufacturing plants and public works

6

in Cumberland and vicinity, and were attracted to their former employment by the greatly increased wages. The rubber plants in Akron and the automobile plants in Detroit continued to take labor from this field; in some cases entire families removing to one or the other of these cities. The Kelly-Springfield Tire Company and the American Cellulose & Chemical Co., Inc., operating an artificial silk plant at Cumberland, as well as the Baltimore and Ohio Railroad and the Western Maryland Railway and contractors in Cumberland and vicinity, continued to employ former miners, as well as the West Virginia Pulp and Paper Company at Luke, Md. Altogether it is believed that from 900 to 1,000 former mine employes were thus employed during 1926.

The other mining regions, more particularly the Pittsburgh, Pa., district, continued to draw labor from George's Creek coal field.

As a result of all of the above conditions mine labor was scarce except probably in the last two months of the year.

There was a small cessation of labor, which could hardly be called a strike, at a small mine in the lower part of George's Creek during the early fall but this only affected a very few men and the situation was soon remedied. There was a cessation of work December 2nd for a few days as a result of the readjustment of wages for mine employes consequent upon the cessation of the demand for coal from Great Britain. These stoppages only lasted two or three days however, in most cases, and the loss of time was not very great.

COAL MINING CONDITIONS IN MARYLAND, 1926

There was increased business during July and this tended to carry the operators over the dull season and the usual fall quickening of the coal trade was at least one month in advance of its customary advent. With the beginning of the strike of coal miners in Great Britain a decided increase in demand for coal was manifested, and the call for men was more insistent. During October and November the three coal shipping piers at Baltimore; namely, those belonging to the Western Maryland Railway Company, the Baltimore and Ohio Railway Company and the Pennsylvania Railroad Company, were taxed to their utmost, being operated twenty-four hours per day and using every facility at hand. The Western Maryland transformed, within three days, a unit of their grain elevators into a coal shipping pier. During each of the months of October and November the Port of Baltimore shipped over 1,000,000 tons of coal abroad.

At the beginning of November an increase in mining price and day wages was granted the mine employes. This action was the result of similar increases made in Pennsylvania and West Virginia coal mines.

8

A considerable acreage of Big Vein coal was worked during the year 1926. Practically all of this coal has been worked by previous mining operations, which operations left the pillars unmined and in some instances also the bottom and roof coal. The recovery of this coal is difficult and dangerous and yet considerable tonnage is being mined daily from the Big Vein seam. Two or three of the largest companies are doing noteworthy work in this line. The system of mining and the attention paid to safety and the maximum recovery is remarkable.

With the gradual exhaustion of the Big Vein coal the thinner seams are being worked more and more. The most important of the thinner seams is the Tyson or Lower Sewickley which was mined extensively during the year, the principal use being for steam purposes. The Bakerstown or Four Foot, locally known as Barton coal, was also mined to a considerable extent during the year. This coal is screened and used for domestic purposes and has taken the place of anthracite in a good many households.

Operations were also carried on in another of the thinner seams; namely, the Bluebaugh, one of the Kittanning seams. Some mining was also carried on in the Six Foot or Davis seam but not to any great extent except in the Upper Potomac region. A few small mines operated in several of the thinner seams of local importance only.

There has been an extension of the use of underground conveyors in the thinner seams of coal and in the region there are now in operation two installations of underground conveyors, one of the pan type and one of the chain type. Both of these are operating in coal averaging less than 3-ft. in thickness. The pan type furthermore, is operating in coal as thin as 20-in. and is apparently doing so successfully.

The speed of driving entries or headings has been greatly increased by the use of the pan type of conveyor. It has been possible to cut and load out a heading 20-ft. wide undercut to a depth of 6-ft. two and three times in an eight-hour shift. There has been a tendency to increase the number of mines screening coal. Formerly practically none of the Maryland coal was screened but recently there has been considerable extension of screening facilities in the small mines.

There was considerable increase in the substitution of low volatile bituminous coal from Western Maryland for anthracite and the use of Maryland coal for this purpose is extending. The reduced freight rates on coal from Southern West Virginia points to New England and other Northern markets filled much of the market in Baltimore which might have been supplied otherwise with coal from the nearby Maryland mines. On application of one of the coal operators in Upper Potomac coal field a hearing was held by Examiner Morris Konigsberg of the Interstate Commerce Commission in Cumberland, Md., April 16, 1926, with reference to the disparity of rates between Southern West Virginia and those of the George's Creek and Upper Potomac regions and Washington and Baltimore. This hearing was widened and a second hearing was held at Atlantic City in June 1926. This case was Docket 17630 which was later merged with Case 15006 involving all coal rates. Since all of the Tidewater rates are more or less involved in this question it is evident that it will require some time before a decision is reached.

Formerly when the Big Vein mines were mining virgin coal and the Southern West Virginia mines had not reached anything like the development they have at present, coal from the Big Vein seam could compete successfully with that from Southern West Virginia but since the virgin coal has been mined and nothing remains but pillar coal, the difficulties and expense of mining this coal have been increased; moreover, the thinner seams of coal, such as the Tyson or Lower Sewickley, the Bakerstown or Four Foot, the Davis or Six Foot have been worked more or less during the last ten years and this coal is usually more costly to mine than the coal from the thicker seams. Especially is this true when the coal is mined by Mining machines and conveyors are gradually being introhand. duced into the mines of the thinner seams and it is believed that ultimately all of the thin coal will be mined by machines and that underground conveyors will be universally used, since by their use considerable of the brushing cost can be eliminated.

The Western Maryland coal field has uniformly paid a relatively larger mining rate than the competing fields and especially is this true in the Big Vein operations, and this is one of the reasons that the Western Maryland coal field finds it difficult to compete with the coal from the mines in Southern West Virginia and from the New River field.

As a whole the year was better than the two preceding years and the industry seems to be recovering from the very serious setback it received during the strike of 1922.

Several new mines were opened in the thinner seams, the equipment in most instances being modern. Improved methods of mining are being tried out in at least four or five mines and important results are expected during the calendar year 1927.

Regarding mine safety, both the Maryland Bureau of Mines and the operators and miners extended the practice of mine safety. One mine was completely rock-dusted and efforts were made to widen the use of permissible explosives.

MARYLAND MINE INSPECTORS

May, 1874, to May, 1876	Peter Cain
May, 1876, to May, 1880	Owen Riordan
May, 1880, to May, 1884	
May, 1884, to May, 1886	Dennis Sheridan
September, 1886, to May, 1888	Chas. H. Hamill
May, 1888, to May, 1892	R. T. Browning
May, 1892, to May, 1896	F. J. McMahon
May, 1896, to May, 1898	Otto Hohing
May, 1898, to May, 1900	Alexander Rankin
May, 1900, to May, 1904	James P. Carroll
May, 1904, to May, 1908	Thomas Murphy
May, 1908, to May, 1912	J. H. Donahue
May, 1912, to May, 1916	William Walters
May, 1916, to March, 1918	John L. Casey
April, 1918, to June, 1918	John Powers
June, 1918, to September, 1918	Frank T. Powers
September, 1918, to August, 1919	Lawrence Dunn
May 1, 1919, to May 1, 1920	Frank T. Powers
May 1, 1920, to May 1, 1921	Frank T. Powers
May 1, 1921, to September 30, 1922	Frank T. Powers
October 1, 1922, to May 1, 1923 (temporary appointment	t)Frank T. Powers
May 1, 1923, permanent appointment, effective May 1	, 1923
	Frank T. Powers
May 1, 1923, permanent appointment, effective May 1	, 1923
	John B. Watkins
May 1, 1923, to December 31, 1924	Frank T. Powers
May 1, 1923, to December 31, 1924	John B. Watkins
January 1, 1925, to December 31, 1925	Frank T. Powers
January 1, 1925, to December 31, 1925	John B. Watkins
January 1, 1926, to December 31, 1926	Frank T. Powers
January 1, 1926, to December 31, 1926	John B. Watkins
	May, 1874, to May, 1876 May, 1876, to May, 1880 May, 1880, to May, 1884 May, 1884, to May, 1884 May, 1884, to May, 1886 May, 1888, to May, 1892 May, 1892, to May, 1896 May, 1896, to May, 1898 May, 1896, to May, 1900 May, 1900, to May, 1904 May, 1900, to May, 1904 May, 1908, to May, 1908 May, 1908, to May, 1912 May, 1912, to May, 1916 May, 1912, to May, 1918 June, 1918, to September, 1918. September, 1918, to August, 1919 May 1, 1920, to May 1, 1920 May 1, 1920, to May 1, 1921 May 1, 1920, to May 1, 1922 October 1, 1922, to May 1, 1923 (temporary appointment May 1, 1923, permanent appointment, effective May 1 May 1, 1923, to December 31, 1924 May 1, 1923, to December 31, 1925 January 1, 1925, to December 31, 1925 January 1, 1926, to December 31, 1926 January 1, 1926

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

10

FOR THE CALENDAR YEAR 1926

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

	Per Gross
May 1 1880	\$0.65
June 1, 1882	
December 1, 1884	
March 1, 1887	.50
April 1, 1894	
April 1, 1896	
April 1, 1900	
April 1, 1903	.65
April 6, 1904	.60
April 1, 1910	63
April 1, 1912	
January 15, 1916	
October 16, 1916	
March 1, 1917	
May 1, 1917	
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	
December 31, 1924-Loading after machines	

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. Effective 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 Gros	\mathbf{s}
	Tons	
Pick Mining	.90	
Machine Mining	.807	

There was a very considerable change in tonnage price and day wages during the latter part of the calendar year 1926; in fact, the price was suddenly increased by one or two successive raises to an amount that was equal to that paid during the World war. There was some slight difference in the wages and tonnage price in the various parts of the district and it has not been possible to give all the various prices paid but a general average has been taken and it is believed that the prices are in the main correct.

In the Upper Potomac District:

12

	lan.	1 to Oct. 31, 1926, Incl.
Pick mining		0.70 gross ton
Machine mining		0.52 gross ton
Basic inside labor rate		0.50 per hour
Basic outside labor rate		0.45 per hour
1	Nov.	1 to Nov. 30, 1926, Incl.
Pick mining		\$1.22 gross ton
Machine mining		0.86 gross ton
Basic inside labor rate		0.86 per hour
Basic outside labor rate		0.76 per hour
I	Dec.	1 to Dec. 31, 1926, Incl.
Pick mining		0.90 gross ton
Machine mining		0.70 gross ton
Basic inside labor rate		0.60 per hour
Basic outside labor rate		0.55 per hour

Lower George's Creek Region, Bakerstown seam:

	Jan. 1 to Nov. 1, 1926
Pick mining	\$0.95 gross ton
Loading after mining machine	0.75 gross ton
Machine cutting	0.15 gross ton
Outside labor	0.44 to 0.50 per hour
Inside labor	0.56 per hour
1	Nov. 1 to Nov. 30, 1926, Incl.
Pick mining	$1.36\frac{1}{2}$ gross ton
Machine loading	1.02 gross ton
Machine cutting	0.25 gross ton
Inside labor	0.90¾ per hour
Outside labor	0.90¾ per hour
Yardage	1.25 per yard
]	Dec. 1 to Dec. 31, 1926, Incl.
Pick mining	1.05 gross ton
Machine loading	0.84 gross ton
Machine cutting	$0.17\frac{1}{2}$ gross ton
Yardage	1.72 per yard

Lonaconing and Vicinity, Big Vein coal seam:

	—1926———	
Jan. 1-Oct. 31	Nov. 1-30	Dec.1-31
Pick mining, gross ton\$0.75	\$1.31 5 and	\$1.00
	1.415	
Tunneling, per yd. headings 5.00	8.50	5.91
Tunneling, per yd. pillars 4.50	7.65	5.31
Motorman, per 8-hour day 4.40	7.42	5.16
Brakeman, per 8-hour day 4.24	7.26	5.00
Drivers, per 8-hour day 4.24	7.26	5.00
Roadmen, per 8-hour day 4.40	7.42	5.16
Asst. Roadmen, per 8-hour day 4.24	7.26	5.00
Timberman, per 8-hour day4.24	7.26	5.00
Tippleman, per 8-hour day 3.60	6.62	4.40
Blacksmith, per 8-hour day 6.00	8.00	6.80
Carpenters, per 8-hour day 4.40	7.26	5.16
Outside labor, per 8-hour day 3.20	6.54	4.00

Upper George's Creek:

1-Oct. 31	Nov. 1-30	Dec.1-31
0.75	\$1.315	\$1.00
0.75	1.415	1.00
0.50	.90 3/4	.625
0.53	$.92\frac{3}{4}$.645
0.50	.90 3/4	.625
0.5053	.90 ¾ –.92 ¾	.625
0.48	.85	.60
0.6465	.91% - 1.00	.70
0.40	.81¾	.50
0.48	.82%85	.60
0.54		
0.0913		
0.54	.95	1.02
	.12	.13
	.11	.12
	1-Oct. 31 0.75 0.75 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.48 0.64 0.65 0.40 0.48 0.54 0.54 0.54 	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

MINES NOT WORKING DURING CALENDAR YEAR 1926

Allegany County

Brydon Bros. Coal Corp., Pekin Mine.

Brydon Bros. Coal Corp., Coramandel Mine.

Brydon Bros. Coal Corp., Moscow Mine.

Campbell Coal Company, Hampshire Freeport Mine.

J. Daddysman.

Frostburg Big Vein Coal Company.

George's Creek Coal Mining Company, Mines No. 1 and 2.

Green's Coal Company.

J. O. J. Green Coal Company.

John Smith & Sons Coal Mine.

Little Pittsburgh Coal Company.

Metz Bros. Coal Company.

Potomac & Cumberland Coal Company.

Piedmont & George's Creek Coal Company, Washington No. 2.

Piedmont & George's Creek Coal Company, Bowery Furnace No. 1.

Schramm & Davis Coal Company.

Shaw Mining Company.

Smith Coal Company, Speir Mine.

Garrett County

Aberdeen Coal Company, Steyer Mine.

Bloomington Coal Company, Brookville and Kittanning Mines. Cass Coal Company.

Elk Run Coal Company.

George E. Sloan Fuel Mine.

McMahon Bros., Yoder Mine.
Maryland Smokeless Fuel Company, Yommer Mine.
R. W. Miller Coal Mines.
Pendergast & Ashby.
Potomac Valley Coal Company, Louise and Peerless Mines.
Standard Coal Company.
C. E. Stanton Coal Mines.
Tri-State Consolidated Coal Company.
West Virginia Pulp and Paper Company.
Yough Coal Company.
U. M. Stanton Coal Mines.

WAGON MINES

Allegany County

Andrew Brode, Sr., and Son. Arch Michaels Coal Company. C. C. Bennett. D. A. Benson. Campbell Bros. Fuel Mine. Charles Brunner. H. G. Evans Coal Company. J. Daddysman. Darby Brady Coal Mines. David Yates. Frostburg Mining Company, Spates No. 1 Mine. Guy Helbig Fuel Mine. Hanna Bros. Coal Company. Howard & Maybury, Kern Mine. Langham & Boal. McKee & Fuller Coal Company. A. MacMannis. O. T. Porter Coal Company. Porter & Kreitzburg Coal Company, Porter Mine. M. W. Race. Smith Coal Company, Speir Mine. Solomon Brode Fuel Mine. Steuart Coal Company. Supply Coal Company. Vincent Engle & Sons Coal Company. William H. Barnes Fuel Mine. Workman Coal Company.

Garrett County

Earl Fazenbaker. George Moreland, Table Rock Mine. McMahon Bros. Yoder Mine. Melvin Weimer. Michaels Coal Company (Ezra). Myers Coal Company, Beachy Mine. A. G. Shrout.

ABANDONED AND WORKED OUT MINES

Allegany County

Allegany Coal Company, Mine No. 4.
Brailer Mining Company, Bald Knob Mine.
Consolidation Coal Company, Mines No. 6 and No. 16.
North Maryland Coal Mining Company.
Reese Harris Fuel Mine.
Union Mining Company, Brickyard Mine.

Garrett County

Potomac Fuel & Supply Company, Dodson No. 3.

TABLE OF MINE INSPECTIONSALLEGANY COUNTYFOR CALENDAR YEAR 1926

Date.	Name of Company and Mine.	Location	Inspector,
January	2-Sullivan Bros. Coal Co., No. 3	Clarysville	Powers
**	4-Consolidation Coal Co., No. 1	Midland	Powers
"	5-Consolidation Coal Co., No. 16	Brown's Shaft	Powers
**	5Donald Coal Mines, Inc., Donald	Phoenix	Watkins
	8—Annan & Jeffries Coal Co., Union No. 1	Zihlman	Powers
	8-Moscow-George's Creek Mining Co., Moscow No. 3	Barton	Watkins
	11-Brailer Mining Co., Bald Knob Mine	Mt. Savage	Powers
**	12-Sullivan Bros, Coal Co., No. 3.	Enargevine	Powers
	14 Campbell Coal Co., Franklin-Bakerstown	Franklin	Watkins
**	14-Campbell Coal Co., Franklin-Big Vein	Mt Sounda	Pomona
44	18 Piedmont and Cooper's Creek Corl Co. Washing	mt. Savage	rowers
	ton No 1	Franklin	Watkins
44	18—George's Creek Coal Co. Inc. Waynesboro No. 3	Longconing	Powers
**	20-Westernport Coal Co. Westernport	Franklin	Watkins
"	25-Consolidation Coal Co., No. 4	Eckhart	Powers
66	26-Big Vein Coal Co. of Lonaconing, Parker	Barrellsville	Powers
**	27-Chapman Coal Mining Co., Swanton-Big Vein	Barton	Watkins
**	27-Maryland Coal Co., Kingsland Big Vein	Longconing	Powers
**	29-Allegany Coal Co., Tacoma No. 2.	Franklin	Watkins
**	29-Sullivan Bros. Coal Co., No. 3.	Clarysvillo	Powers
Februar	y 1-Burtner Coal Mining Co., Burtner No. 6	Gannons	Watkins
**	1-Stanton and George's Creek Coal Co., Stanton	Short Gan	Powers
"	2-McDonald Coal Co., McDonald	Barton	Watkins
• • •	2-3-5-Piedmont and George's Creek Coal Co., Bowery		
	Furnace No. 2	Midlothian	Powers
	5-Donald Coal Mines, Inc., Donald No. 3	Phoenix	Watkins
	5-Donald Coal Mines, Inc., Donald No. 2	Phoenix	Watkins
	8-Big Vein Coal Co. of Lonaconing, Elkhart	Moscow	Powers
	9-Mt. Savage Fuel Co., Newtown Mine	Mt. Savage	Powers
**	10Marva Coal Co., Marva	Lonaconing	Powers
	11-15-Campbell Coal Co., Hampshire	Reynolds	Watkins
**	16 Westernport Cool Co. Westernport No. 9	Lonaconing	Powers
**	16-North Maryland Coal Mining Co. Montall	Franklin	Watkins
. 46	17-18-McNitt Coal Co McNitt No 9	Montell	Powers
"	18-Moscow-George's Creek Mining Co. Pecal No. 1	Midlothian	Watking
**	19-Hoffa Bros. Coal Co., Hoffa No. 2	Barton	Watking
**	25-Sullivan Bros. Coal Co., No. 3.	Phoenix	Powers
March	12-George's Creek Coal Mining Co., Sonny No. 1	Longooning	Powers
**	16-Chapman Coal Mining Co., Swanton-Bakerstown	Barton	Watkins
**	16-George's Creek Coal Mining Co., Sonny No. 2	Longconing	Powers
**	17-Big Vein Coal Co. of Lonaconing, Galedonia	Barton	Watkins
"	18-Maryland Coal Co., Kingsland	Lonaconing	Powers
"	19-Big Vein Coal Co. of Lonaconing, Castle Run	Lonaconing	Powers
"	22-George's Creek Coal Co., Inc., No. 4	Lonaconing	Powers
	25-Consolidation Coal Co., No. 3	Hoffman	Powers
	29-Consolidation Coal Co., No. 4	Eckhart	Powers
April	1-2-Consolidation Coal Co., No. 9.	Frostburg	Powers
	5-Mt. Savage Fuel Co., Newtown	Mt. Savage	Powers
	6-Consolidation Coal Co., No. I	Ocean	Powers
**	6-Donald Coal Mines, Inc., Donald	Phoenix	Watkins
**	Mt Savara Mining Co. Liberty	Shaft	Powers
**	7-Piedmont and George's Creek Coal Co. Weaking	Mt. Savage	Powers
	ton No. 5	77	Watkin
**	12-United Big Vein Coal Co., No. 2	Franklin	Pomore
**	15-Union Mining Co., No. 4	Mt. Savage	Powers
**	19-Maryland Coal Co., Kingsland-Big Voin	mt. Savage	Powers
**	20Annan & Jeffries Coal Co., No. 1 Tyson	Lonaconing	Powers
44	23-Chapman Coal Mining Co., Swanton-Big Vein	Barton	Watkins
44	26-Consolidation Coal Co., No. 16.	Brown's Sheft	Powers
**	29-Koontz Coal Co., McKee No. 2	Longconing	Powers

16

FOR THE CALENDAR YEAR 1926

TABLE OF MINE INSPECTIONS—Continued ALLEGANY COUNTY FOR CALENDAR YEAR 1926

i

Date.	Name of Company and Mine.	Location	Inspector.
April	29-Campbell Coal Co., Bakerstown	Franklin	Watkins
	30-Piedmont and George's Creek Coal Co., Washing-		
	ton No. 1	Franklin	Watkins
May	3-North Maryland Coal Mining Co., Montell	Romelde	Powers
	3-Campbell Coal Co., Hampshire	Connona	Watkins
" 4-5	4-Burther Coal Mining Co., Burther No. 6	Gannons	Powers
"	7-Old Colony Coal Co. Moscow No. 4	Moscow	Watkins
••	10-Big Vein Coal Co. of Lonaconing, Caledonia	Barton	Watkins
"	18—Consolidation Coal Co., No. 4.	Eckhart	Powers
June	10-Maryland Coal Co., Big Vein	Lonaconing	Powers
**	15-Big Vein Coal Co. of Lonaconing, Castle Run	Lonaconing	Powers
**	23-Consolidation Coal Co., No. 4	Eckhart	Powers
	24-Consolidation Coal Co., No. 1	Ocean	Powers
71	25-Consolidation Coal Co., No. 17.	Lord	Powers
July	26-Sullivan Bros, Coal Co., No. 3	Mt Severe	Powers
**	20-Consolidation Coal Co. No. 12	Shaft	Powers
Anonst	2-Mt. Savage Mining Co. Liberty	Mt. Savage	Powers
"	2-Burtner Coal Mining Co., Burtner No. 6	Gannons	Watkins
"	3-George's Creek Coal Co., Inc., No. 2 Big Vein	Lonaconing	Powers
**	3-4Campbell Coal Co., Hampshire	Reynolds	Watkins
"	4-Consolidation Coal Co., No. 1	Ocean	Powers
	5-Westernport Coal Co., Westernport No. 1	Franklin	Watkins
	5-George's Creek and Barrellsville Coal Co., Parker	D	-
"	Mine	Barreilsville	Powers
"	12-MOSCOW-Coorge's Crock Mining Co. Posel No. 2	Midlothian	Watking
**	13-Chanman Coal Mining Co. Swanton-Big Vein (1)	Barton	Watkins
"	13—Chapman Coal Mining Co., Swanton-Bakerstown	Barton	Watkins
"	13-Chapman Coal Mining Co., Swanton-Big Vein-2	Barton	Watkins
"	16-Consolidation Coal Co., No. 3	Hoffman	Powers
	16-Big Vein Coal Co. of Lonaconing, Caledonia	Barton	Watkins
"	17-Sullivan Bros. Coal Co., No. 3.	Clarysville	Powers
"	19 Consolidation Coal Co., Hotta No. 3	Phoenix	Powers
"	19-Diedmont and Cooper's Creek Cool Co. Person	ECKHART	IOwers
	Furnace No 2	Midlothian	Powers
"	19-Piedmont and George's Creek Coal Co., Washing-	maioman	
	ton No. 1	Franklin	Watkins
"	26-Consolidation Coal Co., No. 17	Lord	Powers
2	6-27-Piedmont and George's Creek Coal Co., Washing-		W(+1)-
"	10n No. 5.	Franklin	Percent
**	20-Big Vein Coal Co. of Longeoning Costle	Mt. Savage	Powers
**	30-Campbell Coal Co. Franklin-Big Voin	Lonaconing	Watkins
"	30-Campbell Coal Co., Franklin-Bakerstown	Franklin	Watkins
**	31-Campbell Coal Co., Donald.	Phoenix	Watkins
**	31-Annan & Jeffries Coal Co., Union No. 1	Zihlman	Powers
Septembe	r 1-George's Creek Coal Mining Co., Sonny No. 1	Lonaconing	Powers
	1-McDonald Coal Co., Arcadia	Barton	Watkins
	1-Smith Coal Co., Spear Mine	Barton	Watkins
"	3-Westernport Coal Co., No. 2	Franklin	Watkins
	7-Big Vein Coal Co. Longeoning Filthaut	Lonaconing	Powers
**	9-Mt. Savage-George's Creek Coal Co. No 1	George's Creek	Powers
**	21-Mt. Savage Fuel Co., Newtown	Mt. Savage	Powers
"	22-Consolidation Coal Co., No. 17	Lord	Powers
**	24-Maryland Coal Co., Kingsland Big Vein	Lonaconing	Powers
October	6-Big Vein Coal Co. of Lonaconing, Elkhart	Moscow	Powers
"	11-Arch Michaels Coal Co., Mill Run	Mill Run	Watkins
"	11-Howard & Maybury Coal Co., Kern Mine	Mill Run	Watkins
	11-Consolidation Uoal Uo., No. 3	Hoffman	Powers

18

ANNUAL REPORT OF MARYLAND BUREAU OF MINES

TABLE OF MINE INSPECTIONS—Continued ALLEGANY COUNTY FOR CALENDAR YEAR 1926

Date.	Name of Company and Mine.	Location	Inspector.
October	12-George's Creek & Barrellsville Coal Co., Parker.,	Barrellsville	Powers
**	13-Barton Potomac Coal Co., Potomac.	Barton	Watkins
••	13-Sullivan Bros. Coal Co., No. 3	Clarysville	Powers
44	14-20-George's Creek Coal Co., Inc., No. 4	Lonaconing	Powers
"	15-Westernport Coal Co., No. 1	Franklin	Watkins
**	18-Mt. Savage Mining Co., Liberty	Mt. Savage	Powers
**	19-Campbell Coal Co., Donald No. 3	Phoenix	Watkins
**	19-Campbell Coal Co., Donald No. 2	Phoenix	Watkins
"	22-Union Mining Co., No. 4	Mt. Savage	Powers
"	25-Campbell Coal Co., Donald No. 1	Phoenix	Watkins
"	26-Consolidation Coal Co., No. 4-	Eckhart	Powers
44	27-Consolidation Coal Co., No. 1	Ocean	Powers
"	28-29-Consolidation Coal Co., No. 12	Shaft	Powers
**	29-Big Vein Coal Co., of Lonaconing, Caledonia	Barton	Watkins
Sept. 29	-30, October 7-8-Consolidation Coal Co., No. 10	Eckhart	Powers
Novembe	er 1-Hoffa Bros. Coal Co., Hoffa No. 3	Phoenix	Watkins
44	2-3-McNitt Coal Co., No. 2	Midlothian	Powers
"	3-Piedmont and George's Creek Coal Co., Washing-	- Second Conten	
	ton No. 5.	Franklin	Watkins
**	8-George's Creek Coal Co., Inc., Waynesburg-3	Lonaconing	Powers
**	8-Campbell Coal Co., Bakerstown	Franklin	Watkins
**	9-Annan & Jeffries Coal Co., Union No. 1	Zihlman	Powers
• "	9-Westernport Coal Co., No. 2.	Westernport	Watkins
*1	11-Allegany Coal Co., Tacoma.	Franklin	Watkins
44	15-Chapman Coal Mining Co., Swanton-Bakerstown	Barton	Watkins
"	16-McDonald Coal Co., McDonald	Barton	Watkins
**	18-19-Piedmont and George's Creek Coal Co., Wash-	2410011	
	ington No. 5.	Franklin	Watkins
**	19-Big Vein Coal Co. of Lonaconing, Castle	Lonaconing	Powers
44	22-George's Creek and Barrellsville Coal Co., Parker	Londoning	
	Mine	Barrellsville	Powers
"	23-24-Consolidation Coal Co., No. 9	Frostburg	Powers
**	26-Annan & Jeffries Coal Co., Union No. 1	Zihlman	Powers
	26-Burtner Coal Mining Co., Burtner No. 6	Gannons	Watkins
**	29-Campbell Coal Co., Hampshire	Revnolds	Watkins
"	29-30-Piedmont and George's Creek Coal Co., Bowery	arey notag	
	Furnace No. 2	Midlothian	Powers
Decembe	r 10-Consolidation Coal Co., No. 4	Eckbart	Powers
	13-Consolidation Coal Co., No. 3.	Hoffman	Powers
**	14-George's Creek Coal Mining Co., Sonny-1	Lonaconing	Powers
**	15-George's Creek Coal Mining Co., Sonny No. 2	Lonaconing	Powers
**	15-Campbell Coal Co., Hampshire	Reynolds	Watkins
" 1	6-17-Sullivan Bros. Coal Co., No. 3.	Clarysville	Powers
"	20-Union Mining Co., No. 4	Mt. Savage	Powers
"	21-Mt. Savage Mining Co., Liberty	Mt. Savage	Powers
"	22-23Mt. Savage and George's Creek Coal Co., No. 1	George's Creek	Powers
"	27-George's Creek and Barrellsville Coal Co., Parker	D	
"	98 Cooperate Cool Co. The Die Million	Barrellsville	Powers
44	20 Big Voin Cool Co. of Langerting Till	Lonaconing	Powers
**	20 MaNitt Cool Co. MaNitt No. 8	MOSCOW	Powers
	bo-merrit Ooal OO., MCNITE NO. Z	aidlothian	Powers

FOR THE CALENDAR YEAR 1926

TABLE OF MINE INSPECTIONS—Continued GARRETT COUNTY FOR CALENDAR YEAR 1926

		5	· .
Date.	Name of Company and Mine.	Location	Inspector.
January	4-Penn Maryland Colleries, Inc., Nethkin	Bayard, W. Va.	Watkins
"	7-Hamill Coal and Coke Co., Freeport	Kitzmiller	Watkins
" 11	1-12-R. J. Ross Coal Mines, Inc., Bakerstown	Bloomington	Watkins
" 21	1-22-Wolf Den Coal Co., Inc., Wolf Den	Shallmar	Watkins
"	25-Manor Coal Co., Clarion No. 2	Vindex	Watkins
"	25-H. B. Smith Coal Co., Trout	Vindex	Watkins
••	26-Manor Coal Co., Manor No. 1	Vindex	Watkins
••	28-Hamill Coal and Coke Co., Hamill 1 and 2	Kitzmiller	Watkins
February	3-Boyd Mining Co., North American	Potomac Manor	Watkins
••	9-Potomac Fuel and Supply Co., Dodson 3 and 6	Dodson	Watkins
	9-Potomac Fuel and Supply Co., Dodson No. 1	Dodson	Watkins
	10-W. D. Althouse & Co., Georgian	Gorman	Watkins
	17-Penn-Maryland Colliers Co., Nethkin	Bayard, W. Va.	Watkins
· 23–2	4-2526—Davis Coal and Coke Co., No. 42	Kempton	Watkins
April 21	1-22-R. J. Ross Coal Mines, Inc., Bakerstown	Bloomington	Watkins
"	22-McCullough Coal Corporation, McCullough No. 1	Friendsville	Powers
2	26-27-Wolf Den Coal Co., Wolf Den	Shallmar	Watkins
May	5-6-Davis Coal and Coke Co., No. 42	Kempton	Watkins
	26-Yough Coal Co., Yough	Crellin	Watkins
	27-G. C. Pattison, Poland	Bloomington	Watkins
	27-G. C. Patttison, Pattison.	Bloomington	Watkins
	28-Potomac Fuel Supply Co., Dodson No. 6	Dodson	Watkins
~ "	28-Potomac Fuel Supply Co., Dodson No. 1	Dodson	Watkins
June	1-W. D. Althouse & Co., Georgian	Gorman	Watkins
	1-Penn-Maryland Colleries, Inc., Nethkin	bayard, w. va.	Watkins
Terler	2-Hamili Coal and Coke Co., Hamili 1-2	Kitzmiller	Watkins
July	² Penn-Maryland Colleries, Inc., Nethkin	Bayard	Watkins
Anomet	7 Egy Michaela Cool Co. Michaela	Kempton	Watkins
August "	10 Manor Coal Co. No. 1	Mill Run	Watkins
**	11-Hamill Coal and Coke Co. Freenort	Vindex	Watkins
"	18 Potomaa Fuel Supply Co. Dodson No. 6	Kitzmiller	Watkins
"	18—Potomac Fuel Supply Co., Dodson No. 1	Dodson	Watkins
September	r 2-Hamill Coal and Coke Co., Hamill (Prospect	Dodson	Watkins
**	2-Manor Coal Co. Clarion	Vindex	Watkins
"	8-Boyd Mining Co. North American	Vindex	Watkins
*1	20-R. J. Ross Coal Mines. Inc., Bakerstown	Potomac Manor,	Watkins
" 22	2-23-Wolf Den Coal Co., Wolf Den.	Bloomington	Watkins
" 24-	26-27-Davis Coal and Coke Co., No. 42.	Kompton	Watkins
October	4-Hamill Coal and Coke Co., Hamill 1 and 2	Kitamillor	Watkins
	5-Potomac Fuel and Supply Co., Dodson No. 3	Dodson	Watkins
**	11-Ezra Michaels Coal Co., Michaels	Mill Run	Watking
**	12-Manor Coal Co., Manor No. 1	Vindex	Watking
"	14-W. D. Althouse & Co., Georgian	Gorman	Watkins
••	18-Penn-Maryland Colleries. Inc., Nethkin	Bayard	Watking
"	26-Boyd Mining Co., North American	Potemac Manor	Watkins
"	28-Hamill Coal and Coke Co., Hamill	Vindex	Watkins
November	15-Morgart Coal Mining Corp., No. 5	Jennings	Powers
"	22-Steyer Coal Co., Hill Top	Steyer	Watkins
" 23	3-24-Wolf Den Coal Co., Wolf Den	Shallmar	Watkins
November	30, Dec. 1-2-3-Davis Coal and Coke Co., No. 42	Kempton	Watkins
December	20-21-R. J. Ross Coal Mines, Inc., Bakerstown	Bloomington	Watkins
	29-Manor Coal Co., Clarion No. 2	Vindex	Watkins
	30-Hamill Coal and Coke Co., Hamill 1 and 2	Kitzmiller	Watkins
	30-Hamill Coal and Coke Co., Freeport	Kitzmiller	Watkins

FATAL ACCIDENTS

ALLEGANY COUNTY, 1926.

On January 15, 1926, Mr. Benjamin Wilkes, a miner employed by the Maryland Coal Company, was almost instantly killed by a fall of roof rashins, while working in the air course to 1st Right heading, Kingsland Big Vein Mine.

Mr. Wilkes was working with his son and son-in-law and had just tunnelled through an old fall and were catching the roof when it gave way without warning, catching Mr. Wilkes and his son, Irvin. After a few minutes Irvin was taken out only slightly injured, but Mr. Wilkes was not recovered until about 2:15 P. M.

According to Mr. Frank P. Bell, who was working with Mr. Wilkes, they had a slide or run in the roof a few days previous and it required two days to clean up the rock; this left an open space above the forepoling and no cushion to save the timber if a fall occurred which it did in this case, swinging the two inside sets of timbers and letting down about 15 tons of roof coal and rashings.

> Time of Accident—1:15 P. M., January 15. Name of Injured—Benjamin Wilkes. Nationality—American. Age—64 years. Married—Yes. Dependents—Widow and six children. Residence—Lonaconing, Md. Inspector—Frank T. Powers.

Recommendation: Must have cushion over timbering in tunneling.

On February 26, 1926, Mr. Frank Bobo, a scraper employed by the Piedmont and George's Creek Coal Company, was fatally injured by being struck on the head by a piece of jack-pipe. The testimony of Mr. Hillery McKenzie, who was working with Mr. Bobo, "Bobo was on one side of the machine and I on the is as follows: other. Mr. Bobo went to the rib on the gob side of the place with a The reason for Mr. Bobo going to the gob side piece of jack-pipe. was that the rope was too short on the drum of the machine. The jack-pipe was set to throw the cutter-bar around by the pick motor and was set against the cutter bar and the rib and the power turned on; the jack flew out the end that was against the rib striking Mr. Bobo on the head, in back of the right ear."

Mr. Bobo was taken to the Miners' Hospital at Frostburg where he died on March 3, 1926. Time of Accident—6:15 P. M., February 26, 1926. Date Victim Died—March 3, 1926. Name of Injured—Frank Bobo. Nationality—American. Age—30 years. Married—Yes. Dependents—Widow and one child. Residence—Westernport, Md. Inspector—John B. Watkins.

Recommendation: Swing cutter-bar with rope instead of with jack-pipe.

On May 10, 1926, Mr. Frank Crabel, a miner employed by the George's Creek Coal Mining Company, was instantly killed by a fall of roof rashins while working in No. 1 cross-cut in No. 7 panel entry off 1st left heading at Sonny Mine. Mr. Crabel was working with Mr. Frank Brennan, and had almost completed the shift, according to statements of Mr. Brennan, who said that he was standing with his hand against the inside set of regular timbers and Mr. Crabel was knocking off some pieces of rock so that the timbers would fit. Mr. Brennan said that he felt the timber, against which he had his hand, start to swing and he called to jump but the roof fell catching both men and covering them. Mr. Brennan was uncovered by fellow-workmen in a very short time but it required about one hour to get his foot loose; however, he was not much injured. Mr. Crabel's body was recovered at 5:50 P. M.

The men are required to set a safety set of timbers while getting ready for the regular set. This set was found and the props were standing. After Mr. Crabel's body was recovered it was considered by Inspector Powers that the place was dangerous and it was decided to let it stand until the next morning. The next morning the place had made another fall, dislodging timbers.

> Time of Accident—2:00 P. M., May 10, 1926. Date Victim Died—Instantly. Nationality—American. Age—33 years. Married—Yes. Dependents—Widow and five children. Residence—Moscow, Maryland. Inspector—Frank T. Powers.

On June 4, 1926, Mr. Norman Zea, a miner and extra driver employed by the Consolidation Coal Company, in their Mine No. 1, located at Ocean, Md., was instantly killed by being run over by a mine car. Mr. Zea was taking a trip of two cars in the old Lye Heading when in some manner he fell under the last car of the trip, the wheels passing over his head, fracturing his skull. Time of Accident—2:20 P. M., June 4, 1926. Date Victim Died—June, 4, 1926. Nationality—American. Age—34 years. Married—No. Residence—National, Maryland. Inspector—Frank T. Powers.

On June 1, 1926, Mr. John Miller, a driver, employed by the Maryland Coal Company, in Kingsland Big Vein Mine, located at Lonaconing, Maryland, was fatally injured by a wrecked trip in First Right Heading at No. 11 Room Switch. Mr. Miller, was keeping the turn in this section, had given orders to another driver to place two cars in No. 11 room and told him that he was going to another heading to gather loads and not to expect to see him until the driver had made two trips. For some unknown reason he changed his plans and did not tell the other driver and came in First Right Heading with an empty car and had gathered two loads from the inside place and started out when the other driver came out of No. 11 room and crashed into his trip knocking the cars off the track and catching Mr. Miller between the cars and the rib, inflicting injuries from which he died about eight hours later at his home in Lonaconing.

> Time of Accident—2:15 P. M., June 1, 1926. Date Victim Died—9:30 P. M., June 1st, 1926. Nationality—American. Age—29 years. Married—Yes. Dependents—Widow and two children. Residence—Lonaconing, Md. Inspector—Frank T. Powers.

An error of judgment on part of deceased.

On August 7, 1926, Mr. Albert Williams, a laborer employed by the Annan and Jeffries Coal Company, was fatally injured by a runaway trip of empty mine cars while changing timbers in Union No. 1 Mine Cut-off to the Tyson Mine. Mr. Williams was working with Mr. George Myers, and they were taking out old timber and replacing it with new timber; an empty trip had passed them on its way to the Tyson Mine and thinking everything was all right they started to work. They were working near the outside and there is a very good curve in the track which made it hard to see the runaway cars until they were almost upon them. Six cars became uncoupled and caught the unfortunate man, causing injuries from which he died four hours later in the Miners' Hospital in Frostburg, Maryland. Time of Accident—2:00 P. M., August 7, 1926. Date Victim Died—4:00 P. M., August 7, 1926. Nationality—American. Age—51 years. Married—Yes. Dependents—Widow and three children. Residence—Zihlman, Md. Inspector—Frank T. Powers.

No recommendation.

On September 13, 1926, Mr. Philip Blocher, a miner employed by the Mt. Savage and George's Creek Coal Company, in No. 1 Mine, located at George's Creek R. R. Station, was instantly killed by a fall of roof rock, while working in 26th Right Heading. Mr. Blocher was working with Mr. George W. Brode, and had just arrived at the working place; Mr. Blocher was sounding the roof when it gave way, catching him and killing him instantly.

> Time of Accident—7:30 A. M., September 13, 1926. Date Victim Died—Instantly. Nationality—American. Age—34 years. Married—Yes. Dependents—Widow and two children. Residence—Frostburg, Md. Inspector—Frank T. Powers.

No recommendation; "Monday morning" accident.

On September 27, 1926, Mr. George Hausrath, Laborer, employed by The Consolidation Coal Company, in Mine No. 10, located at Eckhart, Md., was instantly killed by a fall of rock while making clearance room along 2nd Right Heading. Mr. Hausrath was working with Mr. Stephen Leptic and had taken out the coal from under the rock along the roadway for a distance of about 25 feet and they were apparently going to take out some more coal when the accident occurred, as a drill hole 3-ft. long was found in the coal along with the drill after the fall of rock was cleaned out. From the testimony first given it appeared that the men were preparing to take down the rock. However, on loading out the fall the threefoot hole was discovered, with the drill in it, which showed they intended to take off some more coal. It is the opinion of the District Mine Inspector making the investigation of the accident that timber should have been set up to this rock.

> Time of Accident—7:50 P. M., September 27, 1926. Date Victim Died—Instantly. Nationality—American. Age—23 years. Married—Yes. Dependents—Widow and one child. Residence—National, Maryland. Inspector—Frank T. Powers.

Any overhanging roof rock or coal on the rib should be taken down immediately.

On September 27, 1926, Mr. Stephen Leptic, a laborer employed by The Consolidation Coal Company in Mine No. 10, located at Eckhart, Md., was instantly killed by a fall of rock while making clearance room along 2nd Right Heading. Mr. Leptic was working with Mr. George Hausrath and had taken out the coal from under the rock along the roadway for a distance of about 25-ft. and were apparently going to take out some more coal when the accident occurred as a drill-hole 3-ft. long was found in the coal along with the drill after the fall of rock was cleaned out. From the testimony first given it appeared that the men were preparing to take down the rock. However, on loading out the fall the 3-ft. hole was discovered with the drill in it which showed they intended to take off some more coal. In the opinion of the Inspector making the investigation of the accident timber should have been set up to this rock.

1

đ

Time of Accident—7:50 P. M., September 27, 1926. Date Victim Died—Instantly. Nationality—American. Age—20 years. Married—No. Residence—Lord, Md. Inspector—Frank T. Powers.

Any overhanging roof rock or coal on the rib should be taken down immediately.

On October 22, 1926, Mr. Harry Warnick, a miner employed by the Moscow- George's Creek Mining Company, was instantly killed by a fall of roof rashings in No. 3 room of Main Heading. As there were no witnesses to this accident, it is impossible to describe just how it happened but from the conditions it appears that there had been a small fall or slide over which Mr. Warnick was attempting to escape when he was caught by the fall; his body was found lying across timbers that had been set.

> Time of Accident—3:30 P. M., October 22, 1926. Date Victim Died—Instantly. Nationality—American. Age—46 years. Married—Yes. Dependents—Widow and nine children. Residence—Nikep, Md. Inspector—John B. Watkins.

Not under mining law; less than ten men employed. Said to be first fatal accident this Company has had in 26 years.

24

On June 16, 1926, Mr. Charles Script, a Brakeman employed by the Davis Coal and Coke Company, was electrocuted by coming in contact with a live trolley wire on the D No. 5 Heading. The deceased was working on the Night shift. After coupling up the trip Mr. Script called to the motorman and said that some of the cars were off the track and to pull them up and he would cut them off so as to be able to replace them on the track. After they had pulled the trip up they found that the 5th, 6th and 7th empties were off. Mr. Script stepped between the 7th and 8th cars to uncouple same and in doing so he touched the wire with the left side of his back having his right hand on the hitching pin. He called to the motorman to turn off the juice and Mr. Cramer, the motorman, threw the rail in the wire short-circuiting the current. As soon as this was done Mr. Script fell into the empty car. Mr. Cramer at once started to give the Sylvester Method of Artificial Respiration; he gave this for five minutes and then rushed the man to the First Aid room and called for help. Mr. Wolf, the Mine Foreman, was called and was on the scene twenty minutes after the accident occurred. Artificial respiration was continued for a period of three hours (Schaefer Method), the H. & H. Inhalator being used.

> Time of Accident—7:30 P. M., June 16, 1926. Time Victim Died—June 16, 1926. Nationality—American. Age—17 years. Married—No. Residence—Henry, W. Va. Inspector—John B. Watkins.

No recommendation.

On September 3, 1926, Mr. Peter Walkis, a Miner employed by the Boyd Mining Company, was instantly killed by being struck by a motor. The deceased was on his way to the outside of the mine when he was evidently seized with a fit or fainting spell, falling in the roadway and was struck by the haulage motor.

> Time of Accident—12:30 P. M., September 3, 1926. Time Victim Died—Instantly. Nationality—Lithuanian. Age—38 years. Married—Yes. Dependents—Widow and two children. Residence—Kitzmiller, Maryland. Inspector—John B. Watkins.

Should not have been classed as an underground accident, as deceased was subject to fainting fits and ought not have been allowed in mine. Victim was undoubtedly unconscious when motor ran upon him.

FATAL ACCIDENTS-

Date	•	Name of Company	Name of Person Injured	Occupation	Age
Jan.	15	Maryland Coal Co.	Benjamin Wilkes	Miner	64
Feb.	26	Piedmont & Geo. Creek Coal Co.	Frank Bobo	Scraper	30
May June	$10 \\ 4$	George's Creek Coal Mining Co. Consolidation Coal Co.	Frank Grabel Norman Zea	Miner Miner and Extra Driver	33 34
June	1	Maryland Coal Co.	John Miller	Driver	29
Aug.	7	Annan & Jeffries	Albert Williams	Laborer	51
Sept.	13	Mt. Savage & Geo. Creek Coal Co.	Philip Blocher	Miner	34
Sept.	27	Consolidation Coal Co.	George Hausrath	Laborer	23
Sept.	27	Consolidation Coal Co.	Stephen Leptic	Laborer	20
Oct.	22	Moscow-George's Creek Mining Co.	Harry Warnick	Miner	46

FATAL ACCIDENTS-

Date	Name of Company	Name of Person Injured	Occupation	Age
June 16	Davis Coal & Coke Co.	Charles Script	Brakeman	17
Sept. 3	Boyd Mining Co.	Peter Walkis	Miner	38

ALLEGANY COUNTY, 1926

Married or Single	No. in Family	Nationality	Residence	Cause of Accident Nature and Extent of Injury
Married Married	7 2	American American	Lonaconing, Md. Westernport, Md.	Fall of roof rashings; died same day. Struck on head by jack-pipe; died March 3,
Married	6	American	Moseow, Md.	Fall of rashings; died same day.
Single Married Married Married Married Single Married	3 4 3 2 10	American American American American American American	National, Md. Lonaconing, Md. Zihlman, Md. Frostburg, Md. National, Md. Lord, Md. Nikep, Md.	Run over by mine car; died same day. Caught between car and rib; died same day. Runaway trip; died same day. Fall of roof; died instantly. Fall of sides; died instantly. Fall of sides; died instantly. Fall of roof; died same day.

GARRETT COUNTY, 1926

Married or Single	No. in Family	Nationality	Residence	Cause of Accident Nature and Extent of Injury
Single Married	3	American Lithuanian	Henry, W. Va. Kitzmiller, Md.	Came in direct contact with trolley wire; died same day. Struck by Haulage motor; died same day.

· ·		Cause of Accident, Nature and Extent of Injury. Dropping car out of working place.		Cause of Accident, Nature and Extent of Injury.	Fell on dinner bucket on ice outside of mine; broken rib and two ribs tractured. Fracture of small bone, right foot, exused by car iron falling on it. Broken bone, little finger, right hand, caught between iump of coal and mine car. Rock fell on right leg, bruising it. Hip bruised by fall of rock.	Hip and left leg struck by fall of rock. Strained back lifting car in his place. Ruptured lifting car on track. Clained he strained muscles.	Knee cut being thrown by mule. Pick point struck right foot, causing infection. Sprained back pushing car. Cut first finger, left hand, while cutting prop in his working place.		Cause of Accident, Nature and Extent of Injury.	Was operating lifting jack, handle slipped and broke small bone in hand.		Cause of Accident, Nature and Extent of Injury.	Let a prop fall on his left leg. Piece of top coal fell, striking him in the back. Lump of breast coal fell, striking him on the hip and shoulder, bruising same.	•	Cause of Accident, Nature and Extent of Injury.	Caught by fall of bone coal; right leg broken and body bruised.		Cause of Accident, Nature and Extent of Injury.	Do not know how injured; hand mashed. Supposed to be fall of bone; foot mashed. Coming down steps, ankle turned, which caused sprain.	Putting down brake, struck rips on boue coat, mutting same, Dump tilt fell on left foot, bruising same. Coupling cars, broke finger. Fall of rock, bruising back and legs, and fell about 30 feet to ground. Hips were	Waiking up coureyor when he support the way of and bruised. Badiy bruised and large bone on left leg was cut and bruised. Working when piece of slate fell and struck calf of leg, bruising same.	
3, 1926		Residence. Westernport		Residence.	Zihlman Frostburg Frostburg Frostburg Mt. Savage	Frostburg Zihlman Morantown Mt. Savage	Frostburg Zihlman Morantown Zihlman	ANY	Residence.	Barton	-CASTLE MINE	Residence.	Lonaconing Lonaconing Lonaconing	ANY	Residence.	Franklin	D MINE	Residence.	Westernport Barton Westernport	Westernport Westernport Westernport	Westernport Diadmont. W. Va.	
CCIDENTS v County	OAL COMPANY	Nationality. American	z JEFFRIES	Nationality.	American American American American	American American Italian American	American American American American	AC COAL COMPA	Nationality.	American	F LONACONING	Nationality.	American American American	MINING COMP/	Nationality.	American	MPANY-DONAI	Nationality.	American American American	American American American American	American American	HINAT LATINLY
TAL A Allegan	LEGANY C	Number in Family. 3	ANNAN &	Number in Family.				MOTOM N	Number in Family.		MPANY 0	Number in Family.	- 100 PO	VER COAL	Number in Family.	4	COAL COI	Number in Family.	i I I	111(1	I
NON-FA	AL	Number Days Lost. 3 wks.		Number Days Lost,	9	1 12 12	13 16 14	BARTO	Number Days Lost.	17	IN COAL CC	Number Days Lost.	18 28	BURTN	Number Days Lost.	10 wks.	CAMPBELL	Number Days Lost.		25 14 8 8	70	ø
		Married or Single. Married		Married or Single.	Married Married Married Married	Married	Married Married Married Single		Married or Single.	Single	BIG VF	Married or Single.	Single Married Married		Married or Single.	Married		Married or Single.	Single Married Married	Married Single Single Married	Married	Single
		Age. 35		Age.	55 64 77 270	27 41 19	45 54 56 56		Age.	1		Age.	47 21 54		Age.	26		Age.	20 32 52	24 24 35	34	35
		Occupation. Miner		Occupation.	Elec. and Blacks. Miner	Miner Miner Miner	Miner Driver Miner Miner		Occupation.	Laborer	-	Occupation.	Miner Miner Miner		Occupation.	Miner		Occupation.	Miner Miner Encineer	Miner Motorman Roadsmen	Weighmaster	Miner
		Name of Person Injured.		Name of Person Injured.	Adoni E. Pugh Frank Rephorn Frank Winner Robert Fleek	Wilbert Geary Robert Fleek William Skipper Patsy Sparfare	Joseph Boor George Myers Conrad Steel Charles Scott William Williams	· .	Name of Person Injured.	Edward Winkler		Name of Person Injured.	Michael Clapp Thomas J. Walters Edward Gardner		Name of Person Injured.	Carl Shaffer		Name of Person Injured.	Wm. Bittinger Frank Coleman Losser Vennese	Charles E. Stuby Clinton Custer Clinton Custer Clinton Custer Tohn Smirors	Ernest J. White	John Bushman
		Date. April		Date	Jan. 18 Jan. 22 Jan. 27 May 2	May 25 June 22 Sept. 11 Sept. 27	Sept. 7 Oct. 19 Nov. 3 Nov. 22 Dec. 6		Date.	July 21		Date.	May 4 July 26 Dec. 28		Date.	Jan. 30		Date.	Jan. 26 Feb. 20 Anvil 26	Sept. 22 Sept. 22 Oct. 29 Nov. 9	Dec. 10	Dec. 15

•

>

Cause of Accident, Nature and Extent of Injury.	Striking for blacksmith, sliver of steel flew off, striking left ring finger, causing laceration and leaving sliver of steel in little finger.	Fall of bone coal on back, which rolled off and caught right hand between bone and navement, bruising same, causing swelling.	Starting motor with iron bar, which slipped off, striking him in left side of head and ear. cutting head and ear.	Wore blister on palm of right hand, which caused a gathering. In turning latch, slipped and fell under mine car, which ran over both feet; both feet bruised and bone fractured in one foot.	Struck on ankle by piece of bone coal, bruising same. Lifting rock in mine car, badly sprained back.		Cause of Accident, Nature and Extent of Injury.	Caught foot between mine car bumper, bruising same, causing a swelling. Large lump of bone coal fell from top on leg; leg badly bruised. Fall in heading, pulled wire down; wire hanger struck him in side, fracturing rib	Cars ran away in heading, striking other loads: foot crushed, causing ampuattion. Cars ran away in heading, striking other loads; head cut. Cars ran away in heading, striking other loads; index finger mashed. Taking down bone, piece rolled down, catching leg between it and another piece of	Mashed finger between lumps of coal; returned to work next day . Strained back pushing mine car. Cars jumped track, catching left leg and foot; knee and ankle of left leg badly cut ond knied work of right know knowed off and slicht cut on had.	Slipped and fell with hand on piece of galvanized iron, which split palm of right hand on of of the firen-	Struck on upper lip by wire, splitting it. Struck arm on piece of bone, cutting it. Piece of draw rock fell and struck him in small of back; sprained back and leaders in book.	Struck on hip and ankle by bone coal, injuring same.	IS	Cause of Accident, Nature and Extent of Injury.	While taking down bone coal a large piece fell, ir juring left knee. Lump of coal iolled down the mine car and fell on foot, bruising it; no bones broken.		Cause of Accident, Nature and Extent of Injury.	Mule tramped on right foot, bruising it. Lump of coal hit him on elbow of right arm, bruising it. Car jumped track and caught his hand between prop and car; second finger, right	Fall of coal; right ear bursted and right hip bruised. Finger caught between block and axe haudle; first finger bursted. Prop hit him : two ribs cracked.	Prop. struck him on foot; big tee bursted. Rock struck him on foot instep bruised.	Topping car, fell and struck arm against prop i elbow injured. Piece of breast coal struck him on back; thi fractured. Hand caught between brake handle and prop; finger mashed.	Struck with axe, inter cut. Piece of bark struck eye, inflaming same. Struck hand with pick, hand cut. Hand caught by hump of coal ; finger mashed.
Residence.	Barton	Westernport	Westernport	Westernport Westernport	Westernport Piedmont, W. Va.	IRE MINE	Residence.	Nikep Barton Barton	Barton Barton Barton Frostburg	Barton Westernport Barton	Westernport	Westernport Barton Barton	Westernport) BAKERSTOWN MIN	Residence.	Barton Lonaconing	INE No. 1	Residence.	Midland National Lord	Westernport National Midland	Midland	Pekin Midland Midland	Lord Midland Midland
Nationality.	American	American	American .	American American	American American	ANY—HAMPSH	Nationality.	Foreigner American American	American American American American	American American American	American	American American American	American	BIG VEIN ANI	Nationality.	American American	COMPANY-M	Nationality.	American Scotch American	American Scotch American	American American	English American American	American American American American
Number in Family.	I	-	I.	11	11	DOAL COMP	Number in Family.	111		I I I	1	111	I	COMPANY-	Number in Family.	2	TION COAL	Number in Family.	9	° ۲۵	10100	LG 00 F- (ا ما «
Number Days Lost.	20	80	10	6 30	25 20	AMPBELL (Number Days Lost.	302 3320 3350		$\begin{array}{c} 1\\12\\30\end{array}$	16	$\frac{8}{30}$	60	AL MINING	Number Days Lost.	21 14	CONSOLIDA	Number Days Lost.	21 35 42	9 21 21	14 14	5 mos. 5 wks. 5 wks.	3 wks. 5 10
Married or Single.		Married	Single	Married Married	Married Single	0	Married or Single.	Married Married	Single Single Married Married	Single Married Married	Married	Married Single	Married	IAPMAN CO	Married or Single.	Widower Married		Married or Single.	Married Married Single	Married Married Single	Married Married	Married Married Married	Married Single Married Single
Tree	i	24	19	24 33	19		Age.	45 55 45	51 38 34	 24 24	56	30 50	24	CE	Age.	72 55		Lge.	26 53 24	30 53 26	21 56 31	53 44 49	30 26 31
Occunation	- Blacksmith helper	Miner and driver	Driver and brakeman	Miner and driver Driver	Miner Driver and laborer		Occupation.	Miner Miner Miner	Miner Miner Miner Miner	Miner Miner Swabber and driver	Blacksmith	Motorman Miner Miner	Miner		Occupation.	Miner Dumper		Occupation.	Driver Miner Miner	Miver Miner Miner	i aborer Miner Miner	Miner Miner Miner	Miner Miner Miner
Name of Person Injured.	Geo. C. Frenzel	John R. Clark	Jokie Wilson	John R. Clark Marcus Groves	Robt, Keller Russel Athey		Name of Person Injured.	Joe Semme Robert Harvey George Mowbray	James Gowans Wm. Winkler Robert Howdersheldt John Poland	Raymond Barnes Clyde Marsh Edgar Symons	James' Campbell	Howard Blackburn Robert Crosser Joseph Winkler	John R. Clark		Name of Person Injured.	John Cross Ullysses G. Workman		Name of Person Injured.	Dennis Foutz Thos. Fitzpatrick Earl Bett	Howard Blackburn Thos. F. Fitzpatrick William Manley	Henry H. McKee William Greenshields John Seib	Wm. D. Jobson Oliver Shillenberg John F. Hughes	James Dunn William Mauley James Duffy Charles Foutz
Date	Jan. 22	Jan. 23	Feb. 8	Feb. 10 May. 24	Sept. 8 Oct. 23		Date.	Feb. 6 Feb. 8 Feb. 23	April 10 April 10 April 10 April 29	Aug. 4 Aug. 30 Sept. 11	Oct. 8	Oct. 10 Nov. 3 Nov. 9	Nov. 26		Date.	Jan. 21 March 15		Date.	Jan. 8 Feb. 15 March 17	March 19 April 28 May 18	Juhe 4 July 16 July 29	Aug. 6 Aug. 10 Aug. 24	Aug. 30 · Sept. 2 Sept. 8 Dec. 20

CAMPBELL COAL COMPANY-FRANKLIN MINE

7

	Cause of Accident, Nature and Extent of Injury.	Fall of coal hit him on foot; big toe bruised. Fall of coof coal; head, left shoulder and right hip bruised. Struck by prop back bruised. Fall of roof coal; two ribs broken. Cutting hole in strap with axe; thumb cut. Struck on ribs by timber; ribs and back bruised. Axe glanced, left instep cut. Got finger in front of famping bar; finger mashed.	Walking slope, caught with rope; legs cut and bruised. Pick ran in his right leg punctured wound. Chip of wood struck him in eye; eye bruised. Lifting tump of coal; lump broke, causing him to fall backwards; probably ruptured. Showoing road in orr serving of how of the second structured.	Let prop fall on foot, two tees maked. Getting out of way of fall, dislocated shoulder. Fall of breast one1; foot bruised. Lump of coal fell on foot, toe mashed.	Cut himself with axe; wrist cut. Fynger caught between piece of rail and rib; finger mashed Fall of coal back and hip bruised. Fall of breast coal; foot bruised.		Cause of Accident, Nature and Extent of Injury.	Fall of coal hit him on left wrist; left wrist punctured. Squaring end of prop, axe glanced, foot eut. Plece of loose bone coal struck him; shoulder fractured. Buddy's pick ran in his arm ; pick hole in arm. Sawing end off prop; thumb cut. Out thumb with axe. Lifting cur, sprained back.		Cause of Accident, Nature and Extent of Injury.	Hand caught between car and lump of coal; top of second finger on right hand	Tried to eatch brake while car was in action; was caught between car and timber	Arm caught between such the on motor and load; arm wrenched. Small finger on right hand caught between brake and prop; finger mashed. Slipped and felt pain in left side of groin; screess in left side of groin.	caught between car and motor bruges on fair suc of chest and rips. Pushing empty car, foot sipped; sprained muscles in back. Finger caught between bar and roof; finger bruised.	Boring hole with auger; swollen testicle and leader leading to groin. Fushing car and slipped; sprained muscle in hip. Bumped scab off arm; arm became infected.	Fushing empty car, foot slipped off rail strained muscle in hip. Finger earght under car wheel; finger mashed. While re-railing car, slipped and feil; knee bruised. Struck by small piece of rock from shot; rib fractured.	ruit of fock; back sprained.	Cause of Accident, Nature and Extent of Injury.	Placing lump of coal on car; lump broke, mashing finger between lump and car. Lifting lump of coal, wrenched his back. Souecard between motor and car squeezed between hips. Kicked by horee: bruised under shoulder. Struck by fall of rock; skull fractured and thumb mashed. Bumped his head against rock; scalp wound. Bumped his knee on a lump and also on the pavement; right knee bruised.
INE No. 3	Residence.	Eckhart Frostburg Frostburg Midland Fichart Frostburg Frostburg	Frostburg Frostburg Carlos Frostburg	Frostourg National Midland Frostburg Frostburg	Red Hill Frostburg Hoffman Frostburg	INE No. 4	Residence.	Frosthurg Eckhart Fostburg Eckhart Bekhart Frostburg Frostburg	INE No. 9	Residence.	Eckhart	Frostburg	Frostburg Zihlman Frostburg	Frostburg Frostburg	Zihlman Frostburg Frostburg	Frostburg Pekin Zihlman Wellersburg Tweethurg	INE No. 10	Residence.	Eckhart Eckhart Eckhart Frostburg Frostburg Eckhart Midlothian
COMPANYM	Nationality.	American American American American American American American	American American American	American American American American	American American American	COMPANY-M	Nationality.	American American American American American American American	COMPANY-M	Nationality.	American	Italian	American American American	American American	American Italian American	American American American	COMPANY-MI	Nationality.	American American American American Americau American American
ION COAL	Number in Family.	4 to [to [ti]to	401	10 110	01 01 D	ION COAL	Number in Family.	4 10 ≓ co co to	ION - COAL	Number in Family.	1		- 4 0 ∞ ∾	ן מי	0 7 4 33	10 10 6	" ION COAL	Number in Family.	
CONSOLIDAT	Number Days Lost.	14 2 mos. 20 1 mo. 1 wk.	10 3 wks 7 wks	3 wks. 3 wks. 11 wk. 6	21 14 4	CONSOLIDAT	Number Days Lost.	20 112 8 14 8 14 8	CONSOLIDAT	Number Days Lost.	. 14	23	28 11 9	6 wks.	14 28 10	30 21 35	" CONSOLIDAT	Number Days Lost.	412214 4884 2277 7
	Married or Single.	Married Married Single Married Single Single Married	Single Single Married Married	Married Married Single Married	Married Married Married Married		Married or Single.	Widower Married Married Married Married Married	•	Married or Single.	Married	Single	Married Married Married	Married	Married Married	Married Married Married Married	Dallight	Married or Single.	Married Married Married Married Single Single Married
	Age.	51 17 20 20 20 20 20 20 20 20 20 20 20 20 20	38 6 349 860 860 860 860 860 860 860 860 860 860	37 9 55 32 32	35 35 38 88		Age.	56 38 38 38 38 38 38 38 56		Age.	24	44	29 53 40	24	56 45 37	45 60 33 33 80 40	2	Age.	22 388 184 188 239 239
	. Occupation.	Miner Miner Miner Laborer Driver Miner Miner	Miner Miner I aborer Miner	Miner Laborer Miner Miner	Miner Miner Miner		l. Occupation.	Miner Miner Miner Miner Laborer Miner Motorman		. Occupation.	Miner	Miner	Motorman Miner Miner	Miner	Miner	Miner Miner Miner Miner		. Occupation.	Miner Miner Miner Laborer Miner Laborer Miner
	Name cf Person Injured	Herman Wagner Henry W. Spiker, Sr. Thomas Richards Willam Frost Harry Edwards Joseph Trenum Alfred Lease Lesse Rizer	Henry L. Spiker Chas. G. Entler Samuel J. Filer Wm. A. Sweitzer	Devey Devore Walter Smith Charles Sigler Jos, W. Thomas Geo, Ganning	Frank Contrume Frank Contrume George Cross Howard Beeman Jas. D. Richards		Name of Person Injured	Thos. Colgan Ralph. Skelly Wm. Myers Aloysius. Kenny Louis O'Grince Robert Lancaster Carl Burkett		Name of Person Injurcd	Howard W. Hansel	Sam Mancusso	Frank Kelly Alfred Rizer Reese Bevans Morris Lee	James Zumpano David L. Lewis	Fullip Hartig, Sr. Chas. Pelligrino George W. Wellings	John Watson Peter Mathews George Miller Ralph Sturtz Adom Brode		Name of Person Injured	William Miller John R. Perry Edward Miller Wm. Vostman Leslie Long Patrick Lee George Cutter
æ	Date.	Feb. 2 March 1 March 17 April 8 May 12 May 13 May 13	June 2 June 21 July 17	Aug. 20 Aug. 2 Aug. 31 Sept. 13	0ct. 9 0ct. 2 0ct. 11 Nov. 8		Date.	Feb. 10 April 14 April 14 April 14 July 122 July 12 Nov. 23		Date.	Jan, 30	Feb. 13	Feb. 17 Feb. 15 March 26 March 25	April 14 May 4	June 12 July 24	July 31 Aug. 17 Aug. 18 Aug. 26 Nov. 26		Date.	Jan. 7 Jan. 7 Jan. 14 Jan. 17 Jan. 17 Jan. 27 Feb. 6

.

`

-

														f																																							
Cause of Accident, Nature and Extent of Injury.	Fall of rock hit him on toes; second toe of right foot amputated at first joint. Houst convert between one and mean small ferror on hight hand mashed.	Fall of rock struck him on right foot; bone broken in foot.	Piece of rock fell and struck him; head cut, shoulder hurt.	Finger caught between prop and side of car; Nail form oit and inger mashed.	Variant on his inget perveen root and prop. inget meaned. Working on his know in Tycon Mine, know huised	Lifting lump of coal lump broke, back wrenched.	Hand caught between end gate and roof; left hand bruised and cut.	Eyes burned by an explosion at the face.	Inum staugn between guard and drund, ngaments built toose. Struck by viewe of rock: head cut, thigh huilsed.	Finger caught between bar and floor finger nail torn off.	Pushing car with his foot; back sprained.	Struck by a piece of rock; finger nail torn off.	Lump or coal struck first right ankle sprained. Foll scoring corr with buckon	Putting lump of coal on car; lump broke and caught his finger against car; end of	finger mashed.	Cought inger between jump or coal and root; inger bruised. Coal struck him on loor loo hunised	Lifting lump of coal, back sprained	Dragging bar of iron, which slipped, wrenching back.	Pushing car, slipped and struck kneecap; kneecap bruised.	inumb caught by cap of mining machine jack; thumb mashed.	Sections of man trip while in motion; level and the hub of wheel, breaking lev.	Fall of breast coal collar bone broken.	Fell back into mine car; elbow injured.	Small piece of rock from roof struck him, injuring head and shoulder.	Chand cough by piece of rock; finger mashed.	Cutwent hart tent of tracterined.	Slipped off the and sprained side.	Fell, striking hand on piece of slate; hand cut.	caught between top of car and roof; squeezed about hips.	Finger caught between top of car and root; huger mashed. Cut himself with system humb out	Gaught between car and motor: belvis fractured.	Slipped and twisted ankle.	Stepped on nail; foot cut	Intyped and fell two riss fractured. Stmink hv niova of work thand out hvis hunised	Fall of rock, sprained ankle,	Caught by mining machine; two ribs broken.	Fell off powder can; rib broken. Struck soft with about throe buriesd	Piece of coal struck eye; eyeball cut.			Cause of Accident. Nature and Extent of Iniury.		Caught between cars, pruisea. Making wedge, axe handle caught on prop, causing him to cut his hand,	Arm caught between two cars; arm wrenched.	Foot caught between wheels of car toes bruised.	Making wedge with axe; cut his finger.	Pry slipped, arm caught between car and brick wall; arm stoved and swollen.	Making small block, cut his finger with axe. Making woolge with axe gut artery in write	Prop hit him on arm; arm bruised.	Lifting bar, strained back	Litung car on track, strained rup. Slipped and fell against car, Rib fractured.	Foot run over by car, which mashed same.	Fall from breast, thumb mashed. Caught between car and rib; collar bone fractured.
Residence.	Shaft	Gilmore	Frostburg	Cumberland	LCKNART I one contine	· Frostburg	Frostburg	Cumberland	E.CKDBFU Frosthurg	Barton	Frostburg	Eckhart	Ecknait Frosthurg	Detmold		Barton	Frostburg	Eckhart	Gilmore	r roscourg Frostburg	Frostburg	Frostburg	Cumberland	Eckhart	Cumber land	Frostburg	Eckhart	Frostburg	Frostburg	Frostourg Eckhart	Eckhart	Eckhart	Cumberland	Eckhart Eckhart	Lonaconing	Eckhart	Eckhart Shaft	Eckhart	NE No. 12		Residence.		r rostoury Lonaconing	Carlos	MIGIOLNIAN	Carlos	Frostburg	r roscourg Barton	National	Barton Midlothian	Pekin	Frostburg	Midlothian Midlothian
Nationality.	American	American	American	American	American	American	American	American	American	American	American	American	American American	American		American	Italian	American	American	American	American	American	American	American	American	American	American	American	American	American	American	American	American	American	American	American	American	American	ZOMPANY-MIN		Nationality.	N N N N N N N N N N N N N N N N N N N	American	American	American American	American	American	American	American	American Nearo	American	American	American American
Number in Family.	1	4 4		2	4		' !	00 i		•	4	ю,	12			:		2	1	:	172	1	2	ю.	4	• ••	· 1	4	10	1	2	8 0 '	90	0		61 6	٩	7	TION COAL (Number in Family.	c	100	11	۰.	' :		• :	10	1	1	4	11
Number Days Lost.	56	909 1	6	28	14	10.	14	14	~ <u>-</u>	14 14	21	35	0 C	13	·	- 0	28,	28	6	11	150	42	14	14	21	80 6	7	21	14	280	42	21	50	21	14	42	14 28	22	CONSOLIDA'		Number Days Lost.	r	10	35 4	16	28	700	0 00	21	21	21	60	30
Married or Single.	Single	Married	Mairied	Married	Mai ried	Married	Single	Married	Married	Single	Married	Married	Married	Married		Single	Single	Married	Single	Single	Married	Single	Married	Married	Married	Married	Single	Married	Married	Single	Married	Married	Married	Single	Single	Married	Single	Married		;	Married or Single.	Maniod	Widower	Married	Married	Single	Married	Single	Married	Single	Married	Married	Single
Age.	21	44	. 49	51	00	77	19	57	39	25	31	49	43	27	4	7e 76	18	39	19	97 1	62	19	25	34	43	37	33	35	90 95	28	25	58	42	20	25	25	26	30			Age.	99	49	53 26	9 63 67	17	32	17	46	s 73	001	45 48	20
Occupation.	Miner	Miner	Miner	Miner	Miner	Miner	Miner	Miner	Laborer Laborer	Miner	Miner	Laborer	Miner	Miner		Miner	Miner	Laborer	Miner	T abover	Laborer	Miner	Brakeman	Miner	Miner Riadramith	Laborer	Miner	Machinist	Motorman	Miner	Brakeman	Miner	Stablemen	Miner	Miner	Machine runner	Miner	Miner			Occupation.	Laborar	Miner	Miner	Miner	Miner	Laborer Miner	Miner	Miner	Driver	Miner	Miner	Driver
Name of Person Injured.	Paul Plummer	Sam Quartucci Albert Baer	James Schombert	C. C. Felker	Jonn Verna Corl Hensrath	Ernest House	Wm. L. Wellings, Jr.	C. C. Felker	Jacob Selbert Tohn Catheant	Harry Davis	Robt. F. Plummer	Wm. Allen, Sr.	walter Miller Aley Close	John Langley	1-t- m All	Joint 1. Anen Joseph L. Beeman	Antonio Zumpano	Ed. Miller	James Langley Tee Embrocore	George McKee	Geo. M. Hayes	Leslie Long	Garland Poisal	George Often	JOID FOIK RITMIAN LOAF	George Workman	William Lavin	Albert Sittig	TORY LACCHO	Patrick Lee	William Allen	William Pape	John Folk	William Whitmer	Edward Klepstine	Russel Seifarth	James Knapp	John Pape			Name of Person Injured.	Arthur Meek	Charles Weber	William winters Averv E. Barker	Daniel Leatherman	John Winters	John Struntz Henry Atkinson	Wilmer Hyde	James Nelson	Clarence White	William Morton	James Sires George Fisher	Ellsworth
Date.	Feb. 17	Feb. 24 March 29	April 1	April 22	April 27	May 8	May 15	June 5	June 9 Tune 11	June 12	June 15	June 24	June 23	July 1		July 1 July 8	July 9	July 15	July 22	Aug. 9	Aug. 12	Aug. 16	Aug. 11	Aug. 12	Aug. 21	Aug. 25	Aug. 31	Sept. 5	Sept. 10	Sept. 28	Sept. 25	Oct. 13	Oct. 18	Nov. 16	Nov. 15	Dec. 1	Dec. 9	Dec. 21			Date.	Tan 28	Feb. 1	Feb. 2 Feb. 18	Feb. 20	April 13	Tune 18	July 2	July 29	Aug. 24	Sept. 16	Nov. 16	Nov. 17

CONSOLIDATION COAL COMPANY-MINE No. 10 (Continued)

Cause of Accident, Nature and Extent of Injury.	Safety bar fell, striking right arm, which became infected; bone bruised. Was putting up bar, prop fell, striking right foot, bruising same. Lifting derailed car on track, sprained his back. Piece of rock fell from roch, striking him on head; scalp lacerated. Was lifting car on track, lever slipped and caught his foot; too broken. Was lifting root ince of lagging fell on foot; foot severely bruised, toe fractured. Was carrying prop from pile when removing safety set; injured internally; symptoms when the provided the root in the strike internally; symptoms	inducate that rupture nam resulted. Rock fell from roof after glancing off timber and struck him on left leg; leg severely humised.	Was shoveling and struck elbow against car; bruised bone, arm became infected. Prop fell on foot, dislocating and fracturing toe. Prop fell, mashing big toe on left foot.	Was cleaning track; sprained back while lifting rock. Prop fell on foot, foot bruised.	Fellow-workman struck him accidentally with pick; left arm lacerated. Sprained back while lifting car on track.	Was moving car from place derailed, catching his hand and loot, bruising same. Was carrying rails, rail fell on foot; great toe mashed.	Prece of rock fell from root, scirking foot, bruising same. Prece of rock fiell from root, striking foot, bruising same. Was working with Crable (fatal accident) and was buried from hips down by roof	fall; body bruised and cut, great toe severely mashed. Was driving wedge, axe handle struck timber behind him, which caused axe to glance,	Was making unit up train a need, activity right knee. Was making wedge and axe glanared, cutting right hand, which became infected. Piece of rock fell from roof and struck his right hand, which became infected. Was placing cars in mine, trip struck prop that was lying along track; prop struck	his left foot: foot severally bruised. Was dumping rock, caught foot between car and horns of tipple; foot severely bruised. Was riding on car's shoulder caught between car and har's collarbone broken.	Caught finger between brake and prop; little finger cut and bruised. Was lifting car on track, plank that he was using as lever slipped and struck him on	both legs: shins scraped. Was unloading timber from railroad car; heavy timber fell on left foot ,bruising foot. Was setting timber hur fell striking great too: too mashed	Sprained back while lifting timber. Yas struck on hand with a pick by his buddy; deep wound on hand.	Rail fell on hand, bruising finger. Sprained ankle when jumping off trip of cars. Was replacing car on track when it slid off blocking, catching him against timber;	bruised body and fractured rib. Mashed finger while setting prop.	Frop new out, striking num on body: insetured three rips. Was winding up steel cable on drum of hoist; rope caught under rock and then loosened with a snap, struck him on jaw and knocked him over cliff; compound fracture of right arm at wrist.		Cause of Accident, Nature and Extent of Injury.	Chasing horse, his feet became entangled with some wire, causing him to fall, bruising	and cuttung nead. Horse stumbled into mine hole into which injured man was thrown, breaking his	Nothing known to more this accident as man quit job three days before accident	A mine car was derailed in unloading ballast in the tramway and in the process of re-railing the car, his first, or index, finger became caught and mashed.		Cause of Accident, Nature and Extent of Injury.	Struck by sheave wheel coming loose; right foot bruised. Bumped knee on rock; knee injured. Caught hand between ear and procy; hand badly bruised.	Mine car wheel ran over toes; toes badly bruised. Struck by piece of rock: ankle badly bruised. Struck by piece of rock; bruised and three ribs broken. Struck by piece of rock; cut across nose.
Residence.	Barton Gilmore Barton Madand Lonaconing Lonaconing Midland	Lonaconing	Midland Lonaconing Lonaconing	Lonaconing Avilton	National Lonaconing	Lonaconing Barton	Barton Lonaconing Barton	Lonaconing	Lonaconing Lonaconing Lonaconing	Lonaconing Lonaconing	Lonaconing	Lonaconing Klondyke	Barton Lonaconing	Lonaconing Lonaconing Midland	Lonaconing	Midland	0.2 MINE	Residence.	Barton	Westernport	Barton	Barton	2 MINE	Residence.	Lonaconing Lonaconing Lonaconing	Carlos Lonaconing Lonaconing
Nationality.	American American American American American American American American	American	American American American	American J American	American I American I	American I	American American American	American I	American American American	American American	American I American I	American American	American American	American American American	American	American American	ANY-HOFFA No	Nationality.	American	American	American	American	Y-MCKEE No. 2	Nationality.	American American American	American American American I
Number in Family.		I	Į I I	1	11	11	111		on ≈ ¢1	1 1	4	1		1	1	0	COAL COMPA	Number in Family.	I	-		1	AL COMPANY	Number in Family.	111	111
Number Days Lost,	304 304 304 304 304 304 304 304 304 304	30	30 28 21	42	28	14 30	30 28 60	14	14 7 21	28 60		14 14	60	7 7 28			DFFA BROS.	Number Days Lost,	14	21		1	KOONTZ COA	Number Days Lost.	13 7	14 10
Married or Single.	Single Single Married Single Married Married Married	Married	Married Married Single	Widower	Married	Married	Single Married Married	Married	Married Married Married	Single Single	Married	Single Marriad	Married	Single Single Married	Single	Single	H(Married or Single.	Single	Single	Single	Single		Married or Single.	Married Married Single	Single Married Married Married
Age.	43 22 31 55 10 55	48	53 51 21	53 24	38 45	525	01 41 33	26	47 53 36	20 34	44 42	19	43	21 23 31	20	41 18		Age.	27	ł	19	17		Age.	26 40 21	17 35 21
Occupation.	Miner Timberman Driver Miner Timberman Miner Timber framer Miner	Miner	Miner Timber puller Miner	Car shifter Miner	Miner Driver	Miner	Miner Miner Miner	Timberman	Miner Miner Brakeman	Laborer	Miner Miner	Laborer	Timberman Miner	Miner Laborer Timberman	Miner	Laborer Laborer		Occupation.	Laborer	Teamster	Miner	Laborer		Occupation.	Miner Miner Miner	Dumper Miner Miner Miner
Name of Person Injured.	John L. Lashbaugh William C. Smith Frank Broderick Thomas Fisher John Stafford William Shook Govan Morton	Joe Miller	Hugh O'Rourke Wm. Cuthbertson Ellsworth Gardner	William Knapp Andrew McKenzie	Edward Negley Richard Stakem	William Fairgreive	George Frenzel Bas Wilson Frank Brennan	James Merrbaugh	Charles J. Nine Harry Beeman John Broadbeck	Marshall Hutchinson John Worgan	Thomas Nicol Edward Beeman	J. W. Wilson William Vatos	George Robertson W. J. Fresh	Albert Beeman Calvin Duckworth James Raynor	Cecil Nicol	Isaac O kourke Thomas Alexander		Name of Person Injured.	Howard Ross	Walter Fazenbaker	Osborn Moore	Charles Watson Phillips		Name of Person Injured.	Howard Beeman Peter Smith Oscar McMillan	Joseph Fatkin David Stele Hugh McMillan, Sr. Oscar McMillan
Date.	Jan. 21 Feb. 1 Feb. 11 Feb. 19 March 4 March 4 March 5	March 5	March 18 March 23 March 29	April 1. April 9	April 9 April 13	April 15 April 30	May 4 May 6 May 10	June	July 15 Aug. 3 Aug. 11	Aug. 11 Aug. 25	Aug. 26 Sept. 8	Sept. 24 Sent. 28	Sept. 29 Oct. 6	0et 0et. 25 0et. 25	Oct. 27	Nov. 11		Date.	April 28	July 27	Sept. 30	Dec. 4		Date.	Jan. 21 Jan. 11 June 22	July 22 Sept. 14 Dec. 18 Dec. 18

GEORGE'S CREEK COAL MINING COMPANY-SONNY No. 1 MINE

,

Cause of Accident, Nature and Extent of Injury.	Struck hand while driving spikes: left hand bruised. Piece of rock fell on foot; toes badly bruised. Struck by piece of rock; back bruised. Caught finger while laying track; finger badly bruised.	Struck by piece of rock; cut above eye. Struck by piece of rock; toe badly bruised. Pushing car, stanted back. Mine car wheel ran or stort foot hadly huminod	Struck by piece of nock back busised. Slipped while pushing car; arm bruised.	Struck by piece of rock hand badly bruised. Struck by piece of rock; cut above left eye.	Leg caugh forene car bumpers, i racture of ankle. Loaded car ran over hoe; toe badly bruised. Pushing cars: back strained.		Cause of Accident, Nature and Extent of Iniury	Prop rolled off car, bruised foot. Fall of roof coal, bruising back.		Cause of Accident, Nature and Extent of Iniury.	Piece of rock fell from coal and cut gash on left arm. Cut on right hand, unloading rail from car. Cutting prop and chip flew and hit right eye, cutting ball of same. Pulling up out of counting and ont index forces or wight to ball.	Driving spike in rail and piece this left eye and cut it. Right knee cap bruised, kneeling on piece of slate. Right ankle bruised, squeezed between two cars when motor hit.		Cause of Accident, Nature and Extent of Iniury	Rock fell and bruised foot. Draw rock fell and caught him, bruising him about hips.	Coal dropped from root and structure into ack. Coal dropped from root and struck him on back. Was, coupling trip of empties to locomotive; cars ran down off tipple and caught left	uand. In making weld, spark of hot iron got under glove, burning right wrist. Holding un spike with spike bar, bar slipped and caucht fingens between har and	another tie; mashed finger. Putting lump on ear: earght end of finger, mashing it. Lifting lumn of coal: sirmed and lumn, volled on bie.	We discuss the two to wate and using routed on time. Was digging rock down; a piece struck him on the eye. Trip jumped the track, car caught his arm, bruising it.	Lump broke and part of it caught his finger on edge of car. Lump of breast coal rolled against him, bruising his back.		Cause of Accident, Nature and Extent of Injury.	Was loading car of rock and piece fell out of hand, striking him on foot. Lifting lump of coal on car; slipped and strained back. While loading car; car slipped back catching foot.	Pushing empty car, foot slipped; left knee struck iron tie. Showeling coal, slipped and fell against car; injury to rib on left side. Getting in man trip, struck knee on side of car, bruising knee cap.
Residence.	Shaft Carlos Midlothian Frostburg	Carlos Frostburg Carlos	Zihlman Frostburg	E rostburg Midlothian Freethurg	Erostburg Frostburg	COMPANY	Residence.	Barton Nikep	OWN MINE	Residence.	Mt. Savage Mt. Savage Mt. Savage Mt. Savage	Mt. Savage Mt. Savage Mt. Savage	-MT. SAVAGE No. 1	Residence.	Mt. Savage Zihlman Everett. Pa.	Mt. Savage Frostburg	Mt. Savage Frostburg	Mt. Savage Frostburg	Frostburg Mt. Savage	Frostburg Frostburg	ERTY MINE	Residence.	Zihlman Zihlman Mt. Savage	Zihlman Mt. Savage Mt. Savage
Nationality.	American American American American	American American American	American American	American American	American	EEK MINING	Nationality.	American American	MPANYNEWT	Nationality.	American American American American	American American American	AL COMPANY-	Nationality.	American American American	American American	American American	American American	American American	American American	COMPANY-LII	Nationality.	American American	American American American
Number in Family.			11]]]		ORGE'S CR	Number in Family.	!!	ELEL CON	Number in Family.	6	6 .10	CREEK CO	Number in Family.			11	11	1.1	11	E MINING	Number in Family.	1 9	פי מון
Number Days Lost.	35 6 9 : 9 6 :	· []]	. e c	118	22	AOSCOW GE	Number Days Lost,		AT. SAVAGE	Number Days Lost.	1.	60	E GEORGE'S	Number Days Lost.	21 14 2 1	21	$14 \\ 21$	3	- 14 10 0	10	JNT SAVAG	Number Days Lost.	18 18	000
Married or Single,	Married Married Single Married Married	Married Married Single	Married Married Married	Single Single	Single	A	Married or Single.	Single Widower	q	Married or Single.	Single Married Married Single	Married Married Married	MT. SAVAGI	Married or Single.	Married Single Married	Single Married	Married Married	Married	Married Married Married	Single	IOM	Married or Single.	Married Married Married Starle	Married
Age.	284 508 24 24 24 24 24 24 24 20 24 20 24 20 20 20 20 20 20 20 20 20 20 20 20 20	47 41 17	48 23 42	40 18	21 19		Age.	21	-	Age.	50 34 18 18	41 87 52		Age.	47 23 50	47 32	49 40	33	111	18		Age.	28 31 43	38 43
Occupation.	Miner Miner Laborer Miner Miner	Miner Miner Dumper	Miner Miner Driver	Miner Driver	Miner Dumper		Occupation.	Miner Miner		Occupation.	Miner Miner Laborer	Miner Miner		Occupation.	Miner Miner Miner	Mıner Brakeman	Blacksmith Roadsman	Miner Miner	miner Brakeman Miner	Miner		Occupation.	Driver Miner Miner	Miner
Name of Person Injured.	Walter Duncan Patrick Byrnes Alex Conrad James Muir Stanley Lancaster	William Anderson Robert Muir Joseph Fatkin	Wm. Lashbaugh Thos. Neider Llovd Klink	James Henderson Frank Buskirk	John Fatkins, Jr. Gerald Wilhelm		Name of Person Injured.	William Shaw H. H. Warnick	- - -	Name of Person Injured.	James Morgan Barl Purbaugh Olem Skidmore Winard Blank	Earl Lewis Harry Brode Lou Hogamier		Name of Person Injured.	M. C. Isaacs Harry Stevens Elmer Mellott	Harry Dishong	Joseph Leighty Charles Thompson	John F. Kifer John Evans Weiter Fichen St.	wauter Estonorn, Sr. John Morgan Henry Lehr	William Eichhorn		Name of Person Injured.	Jno. Dickey Henry Dowden John K. Blank Ralph Pollock	George Crump John K. Blank
Date.	Jan. 8 Feb. 1 Feb. 4 March 11 March 27	May 17 June 24 July 22	Sept. 20 Sept. 23 Oct. 5	Nov. 3 Nov. 17	Nov. 18 Dec. 11		Date.	May 28 July 15		Date	Jan. 7 Jan. 14 Feb. 6 Feb. 23	marcn 11 Dec. 6 Dec. 24		Date.	Jan. 14 Jan. 25 Jan. 25	Feb. 10 March 2	April 22 June 12	July 24 July 30 Sont 91	Oct. 19 Oct. 19 Oct. 19	Nov. 23		Date	Feb. 2 March 26 July 3 Sent. 15	Oct. 2 Dec. 31

THE MCNITT COAL COMPANY-MCNITT 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.
Feb. 8 Feb. 8 April 20 May 24	Clarence Wilkins Clarence Liller Walter Laupert William Stowell	Inside laborer Brakeman Outside laborer Miner	28 24 26	Married Married Single Married	41 12 29	1111	American American American American	Westernport Westernport Westernport	Loading car of rock and a piece fell, catching his finger, badly bruising same. Running alongstade motor trip and fell, foot going under car wheel and bruising same. While digging ditch, piece of dirt out rock struck him in right eye, bruising eyeball. Shoveling coal and shovel struck rough place, causing the handle to strike his side and
June 18	Thomas Kenny	Inside laborer	23	Single	66	-	American	Westernport	Butaneed his back. Riding on toop of motor and came to low spot and was caught between motor and roof, hentising him about hook
Dec. 2	\mathbf{Roy} Ash	Miner	40	Married	6	ł	American	Westernport	Was digging top coal and lump fell, striking him on knee, bruising same.
			PIED	MONT & GI	EORGE'S CRI	EEK COAL	COMPANY-W	ASHINGTON No. 5 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. 5 March 11	William Fitzpatrick Charles W. Bosley	Brakeman Miner	31 44	Married Married	13 5 3	11	American American	Nikep Westernport	Was uncoupling motor trip and got thumb caught when motor moved trip. Cutting car-pitee for prop and axe-handle struck his leg, causing the axe to hit his finger, resulting in index finger on left hand to be amputated at second joint.
June 30	Ernest Westfall	Outside laborer	30	Married	18	:	American	Westernport	Coupling mine cars and motor pulled out catching his finger between pin and back of car, maching first finger on left hand.
J uly 15 Aug. 17	Clyde Trenum Edward Grimm	Mining mach. operat Carpenter	or 24 50	Married Single	34 5	1 1	American American	Westernport Westernport	Mine rail fell on foot and mashed if. Driving a stake and handle of hatchet broke, causing the blade to strike him on back of left hand and cutting same.
Aug. 19 Aug. 24 Sept. 17	Frank Baker Benjamin Hyde Ernest Westfall	Mining mach, operat Miner Laborer	or 47 30 30	Married Single Married	14 39 26	1	American American American	Westernport Barton Westernport	Piece of bone coal fell, striking him on leg and bruising same. Lifting lump of coal and when he turned to put it on the car, wrenched his back. Was helping to carry piece of shafting and it slipped off rod they were carrying it on and struck the wreat too of his right foot and fractured it.
Oct. 4 Oct. 4 Oct. 14 Oct. 16 20	John A. Shook David McIntosh Charles W. Bosley Gus Raines James Lee	Miner Mining mach, operat Miner Miner	or 42 45 52 24	Married Married Married Married Married	18 6 22 22	! i : ! i	American American American American American	Westernport Westernport Westernport Westernport Nikep	Pushing a mine car in his place and in some way twisted his back and sprained it. While handling mining machine he sprained his back. Digging a place of bottom coal and stuck the pick in his foot. While digging coal burped his elbow, bruising same. Was throwing piece of bone coal and his foot slipped, causing him to twist his back
Oct. 29 Nov. 5	Raymond Brown Harry Fazenbaker	Miner Miner	20 31	Single Married	2 18	11	American American	Nikep Westernport	While digging for the set of slate fell, striking him on hand and bruising same. Was loading coal provided and the brack released and the car ran into him, resulting to one rise on rise on rise released and hours hand and body.
Nov. 9 Nov. 23 Dec. 7 Dec. 8	Nicol Beeman Benjamin Hyde William Stowell Edward Higgins Edward Taylor	Miner Miner Laborer Miner	19 30 31 31 40	Sing ^l e Single Married Married	14 26 14 18]]]]]]	American American American American American	Barton Westernport Pekin Pekin	Pulling down coal and piece struck him on knee, bruising same. Sprained knee while shoveling coal. Particle of dirt blew in eye while working, causing it to become infected. Fell while on way home from work and bruised side. Running mine car in place and his elbow struck the roof, causing the forearm to be
Dec. 21	Roy McCutcheon	Miner	18	Single	27	ł	American	Pekin	Throwing tump of coal on car and caught his finger between it and side of car mashing finger.
Dec. 29	Charles Spriggs	Miner	57 DTF/D	Married	8 CRORCEYS C		American L. COMP A NV1	Westernport 30WERV FITRNACE No.	Strained himself while lifting rock.
				Married or	Number Days	Number in			
Date.	Name of Person Injured.	Occupation.	Age.	Single.	Lost.	Family.	N ationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
Jan. 4 Jan. 13 Feb. 18	George E. Diehl James Layman Edward Arnold	Miner Miner Inside laborer	39 21	Married Married Married	15 15		American American	Frostburg Midlothian	Was pushing car of coal and foot slipped, causing lim to tail against car and cracked two of his ribs. Bruised his knee while mining coal, which later became abscessed. Caught his foot between mine car and motor, mashing same.
March 2 March 0	William Lapp	Outside laborer Brakeman	20	Married	28]]	American	Zihlman	Definition of the carl and the cupie and matter the carl and foot. Under the carl and be squeezed around hips and foot. Pulling coupling out of mine car and as pin dropped it caught his finger between it
March 15	Albert Lammert	Inside laborer	45	Married	52	1	American	Frostburg	and mine car, mashing same. Was standing on bar raising mine track when bar slipped, causing him to fall and
March 16 March 30	William Robinson James Knepp	Miner Motorman	25 27	Married Married	29 34	11	American American	Frostburg Midlothian	While mining coal piece of rock fell, striking him on leg and bruising same. While mining coal piece of rock fell, striking him on leg and bruising same. Pushing mine car into place and car jumped the track, catching finger between motor and wine car making amountation of natt of little finger necessary.
April 12 April 26 April 29 May 11 May 12	Walter Yocum Clarence Bowman Charles Hitchins Patrick Tighe	Miner Brakeman Miner Brakeman Tuside Juborer	25 25 28 28 28 28 28 28 28 28 28 28 28 28 28	Married Married Married Married Sincle	21 17 4	L1111	American American American American	Luke Frostburg Carlos Zihlman Frostburg	Piece of rock fell from roof and bruised his foot. Caught his leg between two mine cars and bruised same. Foot caught under mine car and badly bruised. Bruised his hand while putting down brukes on mine cars . Piece of nock fell strikting thin on arm and broke small bone in wrist.
May 21 May 25 June 9 July 9	John Rayner John Morgan Clarence Stevens Thomas Rankin	Brakeman Miner Miner	26 37 22	Married Married Married Single	, ლი დ. დ. ,		American American American	Gilmore Lonaconing Zihlman Frostburg	Fell off trip and motor following struck him slightly and bruised his back and head. Lifting mine car on track and strained back. Putting in a mining and piece of slate or coal struck him in the left eye. Was taking down nock and piece fell, striking him on leg and bruised shoulder re-
July 15	Clarence Able	Miner	36	Single	4	1	American	Frostburg	Loading coal and pleee of rock rell from foot, striking nim on near and shouncet, re- sulting in his head being cut and shoulder bruised.

-

,

PIEDMONT & GEORGE'S CREEK COAL COMPANY-WASHINGTON No. 1 MINE

7

•
2-Contined
No.
VACE
FUR
-BOWERY
-YN
COMPA
COAL
CREEK
RGE'S
GEO
AND GEO

Number in

Married or Number Days

Date.	Name of Person Injured.	Occupation.	Age.	Single.	Lost,	Family.	Nationality.	Residence.	
July 23 July 27 Aug. 9	Leonard Beeman Joseph Colosino J. W. Wilson	Miner Brakeman Miner	40 52	Married Single Married	27 8 12	111	American Italian American	Lonaconing Frostburg Kitzmiller	Wh Run Pus
Aug. 10 Aug. 10	Nelson Davis Walter Duncan	Inside laborer Brakeman	21 37	Married Married	41 12	11	American American	Frostburg Shaft	Pus Rur
Sept. 2	Frank Stevenson	Outside laborer	52	Married	£	!	American	Midlothian	Was
Sept. 10	George Adams	Miner	50	Married	13	i	American	Carlos	Piec
Sept. 18	Charles H. Lyons	Miner	47	Married	. 14		American	Frostburg	Put
Oct. 7	Nelson Davis	Brakeman	21	Married	25		American	\mathbf{F} rostburg	Wh
0ct. 16	Howard Brode	Night foreman	34	Married	53	i	American	Midlothian	Was
Oct. 27	Frank Stevenson	Outside laborer	52	Married	32		American	Midlothian	Jacl
Oct. 28 Oct. 28 Nov. 15 Nov. 27	Harry Tippen William C. Morgan Joe Lyons Oberlian Stevens	Miner Laborer Laborer Miner	40 56 19 24	Married Single Single Single	20 13 13		American American American American	Shaft Frostburg Frostburg Grantsville	Whi End Une Was
Dec. 1 Dec. 8	Clay Sperry John Lapp	Miner Roadsman	48 45	Married Married	7 13	[]	American American	Frostburg Frostburg	Mak Wa
Dec. 29	James Smith	Miner	17	Single	20		American	Midlothian	Piec
				SULLIVA	N BROTHEN	IS COAL CON	APANY-SULI	LIVAN No. 3 MINE	
Date.	Name of Person Injured.	Occupation.	Age.	Married or Single,	Number Days Lost.	Number in Family.	Nationality.	Residence.	
Jan. 3	Bernard A. Martin	Pumpman	31	Married	56	ł	American	Eckhart	Han
Feb. 22	James Holsinger	Miner	I		4	ł	American	Eckhart	Kne
March 10	William Lavin	Miner	32	Single	56		American	Eckhart	He
Aug. 9	Hugh Donahue	Laborer	38	Married	140	I	American	Eckhart	Was
Oet. 5	William H. Wade	Motorman	-	Married	21		American	Frostburg	He
Oct. 21	Harry Hansel	Miner	I	Single	14	1	American		His
Dec. 6	Thomas W. Lewis	Brakeman	I	Married	14	1	American	Eckhart Mines	Was
Dec. 10	Robert Welsh	Miner	1	Married	14		American	${f Frostburg}$	Was
Dec. 13	Roy Schriner	Laborer		Married	21	1	American	\mathbf{F} rostburg	Was
					UNION MIN	ING COMPAI	NY-UNION N	Vo. 4 Mine	
Date.	Name of Person Injured.	Occupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	
March 31 April 29	Joseph Nolan Thomas Walbert	Driver Laborer	32 29	Married Married	4	4	American American	Mt. Savage Mt. Savage	Stel
				M	ESTERNPOR	T COAL COM	PANY-MINE	S Nos. 1 & 2	

Cause of Accident, Nature and Extent of Injury.

ile pushing a mine car he slipped and struck his side, cracking several ribs. nning mine car in room and it jumped the track, squeezing and bruising his leg-sling car in his place and it jumped the track, catching his foot under the wheel and bruised same. sing car out of place and it ran up on his foot, mashing it. nning car in place and got caught between car and prop, squeezing him through back.

is moving railroad car under tipple with chuck and lump of coal rolled off, striking bim on the head and cutting head. The of rock fell from roof, striking him in the face, cutting and bruising him about face.

auour race. atting large hump of coal on mine car and caught his finger between it and an-other lump, mashing the first finger on left hand. the braking on trip coming out of mine, foot slipped and was squeezed between two loaded mine cars, badly bruising his leg. two loaded mine cars, badly bruising his leg. as directing man doing some drilling when piece of rock fell from roof on his foot while he was standing on iron rail and mashed three of his toes. the pottom of railroad car and the handle of jack flew out, striking him on his setting a prop he reached for cap piece and the prop fell on his foot. denset a car and carrier it stopped and fell in car, bruishing same. as an earing lumb eating and can thin heading and mine car jumped the track at this point while being pipeled with his.

king a wedge and axe slipped, cutting his thumb. s digging up bottom preparatory to laying track and small piece of rock struck him in eye, causing same to become infected. e of rock fell from roof and struck him, bruising and cutting him about head and face.

Cause of Accident, Nature and Extent of Injury.

id caught between gears on electric pump; fingers of left hand crushed; second finger amputated at first joint and third finger amputated at second joint. ie injured by being struck by falling rock while removing same from working place.

place. placed, two small charges of permissible explosives in top coal when one of the charges exploded; he, thinking that the other charge had missed fire, went to investigate when the explosion occurred; thumb of right hand blown off at first joint and his nose and knee were cut. as operating drill in bottom coal when his hand was caught by the drill; his right as operating drill in bottom coal when his hand was caught by the drill; his right as operating witch here places. was holding switch herer and as the lever was not down to its place. the passing motor struck his hand: right hand bruised. Is and was caught between lump of coal and car while loading; crushed finger on left hand. I coaling mine ties on car when a tie fell on his foot, bruising one toe consider-

ably.

"Surred about the face and hands by the explosion of some gas when he entered a crossent to procure some ties. s engaged in cutting wedge with axe when the handle of axe struck a tie, glanced and the axe cut his left hand.

Cause of Accident, Nature and Extent of Injury.

pped on a nail, running it into his foot. ce of coal flew from cutting machine, injuring his hand.

Cause of Accident, Nature, and Extent of Injury.

Fall of bone coal from working place injured the index and second fingers of the left hand; fingers were bursted but required no stitching. Lifting rock placing in gob and he injured blood vessel in back through strain. Piece of bone coal feel from rocf, hitting left shoulder and back.

Residence. Westernport Westernport Westernport Nationality. American American American Number in Family. 1 11 Number Days Lost. 14 Married or Single. Married Married Married Age. 33 $^{39}_{42}$ Occupation. Miner Miner Miner Name of Person Injured. Elmer Lee Trenum Benj. W. Trenum E. E. Nail

> April 14 $^{9}_{10}$

Nov. Nov.

Date.

			Cause of Accident, Nature and Extent of Injury.	Was running car out of clay mine and got his finger caught between brake and prop: mashed finger.			Cause of Accident, Nature and Extent of Injury.	Attempting to close switch point with foot while cars were moving; toes on foot bruised.		Cause of Accident, Nature and Extent of Injury.	Lifting lump of elay and strained back. Car on which he was riding ran away; he jumped, bruising shoulder and arm. Loading clay and a lump fell on foot, mashing toe. Carrying a proph be stumbled and fell, spraining his wrist; a piece of clay ran into Kie wrist ond it became infamed and some	Car jumped track, bumped knee, cutsing it to become badly swollen. Rock fell on back of foot, mashing heel.	kan nau inv root wrnie teadung mule. Lump of clay fell and mashed finger. Severely bruised from pilo of stock c'ay falling on him.	Bumped knee on car, causing it to swell. Ran pick in foot and jack fell on ankle; sore foot and ankle. Turno of view fell and onthead	Ran pick in foot.			
			٤.															
-		ANY	Residence.	Finzel		VY	Residence.	Frostburg		Residence.	Finzel Mt. Savage Mt. Savage Finzel	Mt. Savage Frostburg	Finzel Finzel Mt. Savage	Mt. Savage Mt. Savage Finzel	Finzel			
	AY MINES	BRICK COMP	Nationality.	American		BRICK COMPAN	Nationality.	American	NG COMPANY.	Nationality.	American American American American	American American	American American American	American American American	American			
	FIRE CLA	AVAGE FIRE	Number in Family.	ł		TAIN FIRE B	Number in Family.	63	UNION MININ	Number in Family.	8 4 .4	c1 eo		ଟା ଧ କ	. 61			
		BIG S.	Number Days Lost.	13	r	AGE MOUNT	Number Days Lost.	22	-	Number Days Lost.	12 12 16	9 9	6	20 21	- t-			
			Married or Single.	Single		SAV	Married or Single.	Married		Married or Single.	Married Married Single Married	Married	Single Single Single	Married	Married	-		
•			Age.	22			Age.	61		Age.	2 6 0 2 8 8 3 8 8	28 52	28 26 28	28	22			
			Occupation.	Inside laborer			Occupation.	Outside laborer		Occupation.	Miner Driver Miner Miner	Driver Miner	Miner Miner Dumoman	Driver Laborer	Laborer			
			Name of Person Injured.	Edward Raley			Name of Person Injured.	Eli Williams		Name of Person Injured.	Dan Clark Guy Martin Ed. Carter Joseph McKenzie	James Jenkins Charles McKenzie	Ira Cayton Allen Paul Ed Carter	James Jenkins Henry Snyder	Geo. Duer Sam Euler			
			Date.	Dec. 30			Date.	0ct. 5		Date.	Feb. 5 March 4 April 21 April 10	May 24 June 2	July 19 July 23 Ang. 3	Sept. 14 Sept. 14	Sept. 22 Oct. 29			

				M	D. ALTHO	USE & COMP	ANY-GEORG	IAN MINE	
Date.	Name of Person Injured.	O ccupation.	Age.	Married or Single.	Number Days Lost.	Number in Family.	Nationality.	Residence.	Cause of Accident, Nature and Extent of Injury.
fan. 25 March 12	Henry Miller J. M. Lee	Miner Outside laborer	18 60	Single Single	L I	11	English English	Gormania, W. Va. Gormania, W. Va.	Was riding on motor and caught his leg between motor and cable, bruising leg. End-gate of car fell on fore-finger of right hand; finger broken in two places and
Jet. 6	George Hoffman	Miner	38	Married	6	e	English	Gormania, W. Va.	badly torn. Roof rock fell and bruised his leg.
					Ä	OVD 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.
an. 16 an. 18 deb. 5 April 10	W. M. Barber N. J. Patton Luke Corbets Chas. Gregory	Miner Motorman Miner Miner	16 40 60 51	Single Married Single Married	90 V 09	4 20	Foreigner American Foreigner Foreigner	Potomac Manor, W. Va. Potomac Manor, W. Va. Potomac Manor, W. Va. Kitzmiller	Lump of coal fell on left foot; contusions of muscles of left foot. Small piece of loose rock fell out of roof; cut on head about two inches long. Rock fall; contusion of muscles of back and abrasions. Caught by dynamite rock falling on him; bruising him on one side; injury reported
April 15	Arthur Smith	Miner	43	Married	I	£	American	Potomac Manor, W. Va.	Pulling rock down and went to step back slipped and stumbled and rock rolled against right log; leg broken between Knee and ankle; in Western Maryland Hos-
April 16 May 14	Wm. Helmick Mike Pratt	Miner Miner	44 [.] 16	Single Married	7	11	American Foreigner	Potomac Manor, W. Va. Kitzmiller	pital. Lifting a piece of rock when same broke, crushing large toe on left foot. Caught left foot under bumper of mine car; injury consists of contusions of muscles
lune 16 Aug. 23	Gregus Barkus Philip Duckworth	Miner Firing fan boiler	33 42	Married Married	63 (ب	Foreigner American	Kitzmiller Potomac Manor, W. Va.	or lett took. Struck by piece of coal on left thigh; contusion of muscles of left thigh. Putting injector on steam boiler, if do not take water immediately and in some way
Vov. 18 Jec. 21	William F. Davis William S. Barker	Miner Miner	6 5 24	Married Single	21	¥	American Foreigner	Kitzmiller Potomac Manor, W. Va.	Left leg cut and bruised by rock slipping off gob and catching leg. Top coal fell when he was cleaning up rock shot and fractured vertebra; also spinal rock and an enter a second results.
Jec. 24 Jec. 24	William Lloyd A. J. Chisholm	Miner Miner	22 50	Single Married	7 21	161	American American	Potomac Manor, W. Va. Kitzmiller	Sprained back; very singht. Rock fell on left foot when rolling it: coutusion of muscles.
				DAVI	IS COAL AN	D COKE COM	[PANYKEM]	PTON 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.
an. 18	Charles Simmons	Car dropper	22	Single	14	l	American	Kempton	Was helping to put car on track and caught finger between side of car and cage;
fan. 20	Carl Simmons	Outside laborer	19	Single	11	1	American	Kempton	While setting the foot slipped of humber; the two cars came together, catching the two cars came together, catching foot.
an. 22	Porter Bell	Brakeman	23	Married	10	හ	American	Kempton	While setting based the two cars came together, catching foot; contusion and abra- with the most the two cars came together; catching foot; contusion and abra-
víarch 5	Newman Harvey	Miner	26	Married	17	e0	American	Kempton	Was making coupling and caught finger between car and end-gate; laceration and
April 6 April 9	J. W. Broll Pete Kuski	Miner Trackman	52 55	Married Married	14 18	8 19	American Lithuanian	Kempton Henry, W. Va.	Was lifting large piece of rock and foot slipped on pavement; sprained knee. Was lifting frog, which slipped, catching finger; laceration and abrasion to second
May 5 May 13 May 18	A. W. Shillingbury H. D. Bittinger Claud Corbin	Miner Brakeman Miner	40 32 29	Married Single Married	œ	5	American American American	Kempton Kempton Kempton	meet, tert nand. Was pulling down draw slate, which fell and caught hand; laceration to index finger. Was caught between loaded car and prop; bruised hips and slight sprain to back. Was shoveling coal in car when top coal and draw slate fell and caught him; Simple
May 26	George Hoopengarner	Miner	32	Single	-	ł	American	Kempton	tracture to right foot. Was loading car of coal and draw slate fell, catching him; bruised foot; possible
May 21	R. T. Watring	Blacksmith	48	. Married	****	80	American	Kempton,	Iracture of bones. Was shoeing pony, pony reared and knocked him down on tool-box; fracture to ribs,
une 10 une 22	John Paylo Lester Wilt	Miner Miner	44 36	Married Married	10	10 ¢	Lithuanian American	Kempton Kempton	right side. Was lifting large piece of rock and sprained back. Was tearing up switch; spike bar slipped, striking him on right side; possible frac-
uly 7	Oscar Wolfe	Mine foreman	39	Married	15	4	American	Kempton	Ture of ribs. Was pushing cars on cage and another car following caught his leg between the two
Aug. 18	S. Solchock	$\mathbf{Brakeman}$	21	Single	1	1	Lithuanian	Henry, W. Va.	wars, crushing right leg. Was coupling cars and caught finger between bumpers; crushed middle finger of
Aug. 24	C. E. Liller	Bratticeman	52	Married	-	6	American	Kempton	Unloading rock; caught finger between rock and car; lacteration to middle finger,
Aug. 30	Ernest Friend	Miner	31	Single	I	i	American	Kempton	Was detaming up fall and piece of draw slate fell catching right foot; fracture of Metotorsel hone 24
šept. 29	W. K. Windle	Miner	45	Married	I	5	American	Henry, W. Va.	Draw slate fell, catching leg between draw slate and rail; right leg broken below brast hans have an added in left lac
Det. 1	Lester Simmons	Brakenian	22	Single	80	ŀ	American	Kempton,	Was blocking car on track and caught finger between prop and rock; crushed middle

Garrett County

finger, right hand.

	Cause of Accident, Nature and Extent of Injury.	Lost control of motor, attempted to jump off and clothing caught in motor, dragging him beside trip.; crushing injury to right foot and left little finger; amputation to	right foot and little finger. Attempted to get on motor while in motion; missed step and motor passed over foot; anothing finitum to lite foot is monthing of hears of 11410 too.	erusaing injury to left root; tracture or bone of little ove. Was making coupling and caught finger between pin and end-gate; crushing injury to middle fineer with band	to a number target, trant name. Load jumped track, throwing him off; dislocated left shoulder. Fall off ladder at timule and survived muscle of heat.	Top coal fell, catching left foot, sprained ankle. Piece of top coal fell, striking right thigh; bruised and contused right thigh. Top coal fell, striking index finger, left hand; crushed finger.		Cause of Accident, Nature and Extent of Injury.	Left foot mashed : fall of coal. Strained back; lifting rock. Rock fell and mashed foot. Uut finger. cut off end of thumb. Errained back in lifting and handling rock. Rock fell on big toe, mashing it. Toe mashed by rock. Mashed hand by rock. Slightly sprained ankle between mine cars.		Cause of Accident, Nature and Extent of Injury.	Back of hand scraped between lumps of coal on mine car and roof. Strained back in lifting rock. Mashed hand in pushing cars. Strained back and groin in lifting. Sprained right wrist in setting mine car brake.		Cause of Accident, Nature and Extent of Injury.	Was dropping car out of room; lost his footing and was dragged, bruising side. Was jacking up machine, jack slipped, mashing finger; amputation necessary. Caught finger between roof and lump of coal, tearing off nail. Was breaking rock and piece flew in eye. Was holding switch point closed with hand and empty car caught fingers, crushing first and second fingers on richt hand.	Explosion of powder in supply house when issuing supplies to miners; burns on hands, face and heast.	Struck by piece of falling rock; abrasion of muscles of back. Shoveling coal and ruptured muscle in hip. Lifting car and custor trupture of right side. Pushing car and fost slipped, causing rupture of Pluctel muscle.	These provides in arm. The second state of the		Cause of Accident, Nature and Extent of Injury.	Was striking steel and piece flew in eye. Combing two cars and caucht finger between bumpers and mashed middle finger on	right hand.
No. 42—(Continued)	Residence.	Kempton,	Kempton,	Kempton,	Kempton, Kempton,	Kempton Kempton Kempton	ANNING MINE	Residence.	Kitzmiller Kitzmiller Kitzmiller Kitzmiller Ritzmiller Blaine, W. Va. Kitzmiller Blaine, W. Va. Kitzmiller	JEPORT SEAM	Residence.	Kitzmiller Kitzmiller Blaine, W. Va. Kitzmiller Kitzmiller	No. 1	Residence.	Vindex Vindex Vindex Swanton Vindex	Vindex	Vindex Vindex Vindex Vindex	Vindex Vindex Vindex	No. 2	Residen ce.	Vindex	Vindex
IY-KEMPTON	Nationality.	American	American	Italian	American	American American American	MPANY-KITT	Nationality.	Italian American American American American American Italian American American	OMPANY-FRE	Nationality.	American American American American American	PANY-MINE	Nationality.	American American American American	American	Lithuanian American American Polish	Polish American American	IPANYMINE	Nationality.	American	American
E COMPAN	Number in Family.	1	1	1	າດ	115.00	O COKE CO	Number in Family.		VD COKE C	Number in Family.	4 to 12 to 1	COAL COM	Number in Family.	∞⊣	ß	10 4.4	0100	COAL COM	Number in Family.	1	
AL AND COF	Number Days Lost.	I	I	I	14		L COAL AN	Number Days Lost.	25 14 165 105 116 116 116 116	LL COAL AI	Number Days Lost.	21 13 13	MANOR	Number Days Lost.	30 10 8 8	30	12 10 15	10 4	MANOR	Number Days Lost.	18	11
DAVIS CO/	Married or Single.	Single	Single	Single	Married	Married Married Single	HAMILI	Married or Single.	Single Married Married Married Married Married Married Married Married	HAMI	Married or Single.	Married Married Married Married Single		Married or Single.	Married Married Single Married Single	Married	Single Married Married	Single Married Married		Married or Single.	Married	Single
	Age.	24	21	25	27	44 41 19		Age.	84897 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		Age.	28 46 17 12 88 17		Age.	28 31 53 20	39	3 5 5 8 3 3 5 5 9 4 3 5 5 9	17 2 6 31	ł	Age.	49	16
	Occupation.	Motorman	Brakeman	Miner	Driver	Car suiter Miner Miner		Occupation.	Miner Miner Driver Miner Miner Miner Miner Miner Driver		Occupation.	Roadsman Miner Miner Roadsman Laborer		Occupation.	Miner Cutter Miner Miner Driver	Weighman	Miner Miner Motorman Miner	Miner Brakeman Motorman		Occupation.	Trackman	Miner
	Name of Person Injured.	Aubrey Bowers	Mitchell Lewis	Peter Cotter	A. O. Kitzmiller	Lionais Seymour William Bilby C. W. Shilingburg Arthur Culp		Name of Person Injured.	Sandy Martino W. H. Paugh Frank P. Heck Walter B. King C. F. Puffenbarger H. T. Ellifritz James Burton Sandy Martino H. C. Hollen John T. Wilson		Name of Person Injured.	Miles Pauzh Bradley Davis Henry McCloud Miles Pauzh Wm. Grindle		Name of Person Injured.	Ray Evans Robert B. Davis Ervin Harvey L. L. Wright Stuart Bryant	John P. McCrum	Peter Vertelka J. A. Smith James Stewart Peter Novalis	Charles Kanie Alston G. Stewart Noah Simms		Name of Person Injured.	Luther McRobie	Olie Mick
	Date.	Oct. 5	Oct. 18	Nov. 15	Dec. 1	Dec. 14 Dec. 21 Dec. 20		Date.	Jan. 12 Feb. 28 Feb. 28 Feb. 26 Marril 5 April 25 April 23 Sept. 33 Sept. 30 Oct. 30		Date.	March 12 July 7 July 24 Oct. 12 Nov. 12		Date.	Jan. 21 Jan. 21 Feb. 26 March 1 Aprij 6	May 13	July 9 Sept. 27 Oct. 16 Oct. 18	Oct. 23 Oct. 26 Nov. 20		Date.	Oct. 15	Dec. 11

· ·

	Cause of Accident, Nature and Extent of Injury.	Apron of mining machine caught under track rail while loading; when it was re- leased it struck Browning on the fingers of the left hand, spraining the second	finger. Fall of roof catching employe on left shoulder and left arm: collarbone broken and	shoulder and arm bruised. Fall of roof caught man below knee of left leg; simple fracture of front bone of left	reg below knee. Riding rear car: of motor trip; driver lost control of loaded mine car, which overtook motor trip. When this car struck it threw the coal upon the man riding the	motor trip, bruising him about the hips and legs. After coal had been mined and shot, a lump of it fell from the working face, catch-	ing the kines of the left leg of the injured man and prusing in kines. After coal had been mined and shot a lump of it fell from the working face, catch- ing the kines of the left leg of the injured man, bruising left kines.		Cause of Accident, Nature and Extent of Injury.	Going to stop mining cars when his foot slipped and cars ran over his toes; right foot	Liftmaned wes. Liftmaned wes of coal when it slipped out of his hand, bruising right foot. Mine car jumped track and in putting it back injured man caught his finger on right	nation between rain and carr burnper and master unget. Loading hydraulic jack on truck, which slipped and fell out of his hand and fell on his too: meshod for and form noil off	Insues unsue we and one man on. Injured man was unloading fire clay from mine car and raised up rock; his foot slipped, letting rock catch hand against car; bruised hand.		Cause of Accident, Nature and Extent of Injury.	While undermining, a lump of coal fell and caught left hand, causing laceration and	While wedging up coal, hit the third finger of left hand, causing contusions and laceration of same.		Cause of Accident, Nature and Extent of Injury.	Cut finger on July 14th and it healed: on July 21st bumped it on piece of bone, when it became inferted and had to be taken off.	Dropping car out of place, caught his finger between car and prop.		Cause of Accident, Nature and Extent of Injury.	Pulled down a lump of top coal and bone on his knee. Let prop fall on first right toe. Hand caught with coal auger.	•	Cause of Accident, Nature and Extent of Injury.	Fall of top coal: fracture of rib and contusion of muscles: left knee injured. Taking down rock and prop jumped out, hitting him and bruising left side. Taking trip through trap door and was caught by car: contusions of muscles. Lifting car and bar slipped, throwing him to pavement; sprained shoulder. Pushing car to face and foot slipped, causing a strain in the groin. Placing lump of coal on mine car, lump broke which caused it to fall on left leg, causing contusion of muscles and sprain.
GH No. 1	Residence.	endsville	endsville	endsville	endsville	endsville	ndsville		Residence.	nings	nings inger	nings			Residence.	ntsville	ntsville		Residence.	omington	omington	MINE	Residence.	yard, W. Va. yard, W. Va. mania, W. Va.	MINE	Residence.	zmiller dson dson fson dson dson
NOTTON		Frie	Frie	Frie	Frie	Frie	Frie	RATION	_	Jen	Jeni Bitt	Jenı	Jeni			Gra	Gra			Blo	Blo	THKIN I		Bay Gor	NOSCION		DDDDDD
ATION-Mc(Nationality	American	American	American	American	American	American	IING CORPO	Nationality	American	American American	American	American	L COMPANY	Nationality	American	American	TTISON	Nationality	American	American	IERIES—NE	Nationality	American American American	OMPANY-	Nationality	American Austrian American Italian American American
AL CORPOR	Number in Family.	1	1	1	ſ	1	2	r coal min	Number in Family.	5	1 1	I	i	AYERS COAI	Number in Family.	90 1	1	G. C. PA	Number in Family.	က	63	AND COLLI	Number in Family.	4	L SUPPLY C	Number in Family.	5 ²² 1 1 3
TOUGH CO.	Number Days Lost.	10	30	28	21	42	14	MORGAR	Number Bays Lost.	2	7 14	28	21		Number Days Lost.	11	41		Number Days Lost.	100	42	ENN-MARYI	Number Days Lost.	$\frac{6}{13}$	OMAC FUE	Number Bays Lost.	19 80 119 31 10 31
MeCUI	Married or Single.	Single	Single	Single	Single	Single	Married		Married or Single.	Married	Single Married	Married	Single		Married or Single.	Married	Single		Married or Single.	Married	Married	Ρ	Married or Single.	Single Married Single	POT	Married or Singlc.	Married Married Married Single Single
	Age.	elper 21	18	25	21	24	26		Age.	27	27 32	47	22		Age.	28	25		Age.	40	25		Age.	21 42 16		Age.	57 43 26 26 26 6
	Occupation.	Mining machine h	Pony driver	Coal loader	Brakeman	Coal loader	Coal loader		Occupation.	Driver	Miner Driver	Laborer	Laborer		Occupation.	Miner	Miner		Occupation.	Miner	Miner		Occupation.	Loader Miner Loader		Occupation.	Miner Miner Miner Miner Miner
	Name of Person Injured.	Harry Browning	Everett Pike	Orval Savage	Harry Browning	Stanley Friend	Holmes Burkholder		Name of Person Injured.	Iva Beeman	Harry Fazenbaker Wm. Edward Buckle	Jesse Broadwater	Irvin Ray Bittinger		Name of Person Injured.	James A. Schaefer	Sherman Miller		Name of Person Injured.	Elmer Bush	Charles Henry Thompson		Name of Person Injured.	Ted Williams Pete Reel Riley Miller		Name of Person Injured.	John Dugan John Vauken William Upperman Nick Yosso Walter Rexroad Walter Rexroad
	Oate.	larch 24	une 11	uly 20	ug. 11	ov, 2	ov. 12		Date.	eb. 18	arch 22 an. 11	an. 27	an. 28		Date.	lov. 9	fov. 23		Date.	uly 21	. 29 Det. 29		Date.	7eb. 18 Aug. 10 kept. 20		Date	fan. 12 fan. 20 fab. 4 Feb. 11 Fuly 16 fuly 29

j.

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. 3	Nick Yosso	Miner	40	Married	ł	•	Italian	Dodson	While moving mine car in working place, wheel passed over right foot, causing a
Sept. 4	Grover Trenum	Miner	38	Married	50	4	American	\mathbf{K} itzmiller	While preparing to load. While preparing to load coal a pot of rock fell near face of working place; contusion of musclas of the body only arms and hunited all over.
Oct. 9 Oct. 26	Austin Paugh H. M. Dellinger	Driver Trackman	25 66	Single Married	5	: eo	American American	Kitzmiller Dodson	Hitehing mule to trip and hand caught in tail obtain; lacerated thumb of right hand. While unloading rail from mine car, rail kicked back and caught left foot, badly
Oct. 28	Andrew Brutsky	Miner	38	Married	I	4	Lithuanian	Dodson	bruised foot and possibily a bone proven. While loading coal rock fell, catching left foot: left foot crushed and will possibly heave to be amunitated
Nov. 8 Nov. 15	Nick Yosso David Rexroad	Miner Miner	$40 \\ 22$	Married Single	15 20	∞ ¦	Italian American	Dodson Dodson	Throwing switch lever and lever kicked back, hitting left hand, bruising hand. Lifting lump of coal on mine car and foot slipped, wrenching back.
				R. J.	ROSS COA	L MINES, IN	CFROG HO	LLOW MINES	
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. 16	Bernard Lynch	Miner	22	Single	14	i	American	Beryl, W. Va.	Caught finger on loaded car and mashed two fingers. Moshina enneared him serinet tha door frame
Feb. 5	Geo. Sommers Shevidan Evans	Machine Laborer	89 45	Marriec Single	0 1 0		American	Westernport Westernport	Piece of rock fell and knocked trolley vire on arm and strained the ligament. Slimed while nushing a load and strained back.
reb. 11 Feb. 11 Feb. 24	Harry Liller Wm. G. Greenhorn	Miner Miner	20 00 4 00 00 4	Married Married	19		American American	Westernport Piedmont, W. Va	Piece of bone coal fell and hit him on back and arm, cutting and bruising him. While lifting car he strained muscles in his side.
March 19 March 31	Robert Shrout St. Cloud Ambrose	Miner Picking table	0.00	Married Married	10	° 00 C1	American American	Westernport Piedmont, W. Va.	Strained muscles in back. Hand crushed in machinery.
April 6 April 6	Dorsey Conrad John Keelv	Miner	18	Single	-0 H	. c	American American	Beryl, W. Va. Westermort	Caught thumb against car with lump of coal, mashing thumb. Piece of bone fell on foot.
April 10	John Byers Fundi Mete	Miner	29	Married	10	7 4	American	Westernport	Knocked hip against bone coal and sprained ligament. Dumping rock and car end-gate caught his hand and broke thumb.
May 7	Guy McKenzie	Trackman	9 60 Y	Married	, م -	2	American	Westernport Bervl W Va	Burned hand with electricity. Punctured foot with nick.
May 6 May 21	Michael Sullivan	Mmer Brakeman	36 36	Married	10	;	American	Westernport	Caught hand with coupling. Hit hy fell and hin initia
May 10 July 29	James Kontes Edward Bradley	Miner Laborer	61 63	Married Married	بہ م ا	24	American	Westernport	Hit in eye with piece of rock.
Aug. 7 Aug. 14	Adam Pritts C. Russell Ross	Miner Laborer	36 20	Married Single	10		American	Westernport	Couptur nation with prime. Rock truck ran over foot; foot smashed and two small bones fractured.
Aug. 20 Aug. 20	Carl Harshberger Henry Guy	Motorman Motorman	30 36	Married Married	c c	00 co	American American	Westernport Westernport	While going in with motor, was caught by tail of rotes, back proven and any anxie. Caught by fall of rock while helping to rescue Carl Harshberger; bruised foot and hurt choulder
Aug. 28	Claude Groves	Miner	25	Married	ç.,	I	American	Westernport	While pushing car, he sprained back.
Sept. 30 Nov. 24	Charles Biddle Curtis Fazenbaker	Miner Miner	28 27	Married	¢. 10	2	American American	W esternport W esternport	Plece of bone coal struck nim on Anec, spranning Anec, Rock slipped and fell on foot, causing sprained and bruised foot.
Dec. 1 Dec. 4	William Knotts Fred Guy, Sr.	Miner	. 22 6 1	Married	14	' 1	American American	Westernport Westernport	Prece of bone coal fell on toe, crushing u. Car caught him against another car, causing bruised thigh.
					MOLF	DEN COAL	COMPANY, I	NC.	
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. 6	J. O. Bartlett	Brakeman	30	Married	e 3	4	American	Dodson	Run-away car hit the car that man was riding in while brakeing on the motor, man was knocked down and forehead hit in the car, knocking him unconscious.
Teh 0	George Helton	Miner	66	Monried	6-	-	American	Shallmar	forehead cut and bruised. Man was loading car of rock and in putting rock in car his finger was crushed
Feb. 24	Joseph Craver	Miner	77	Married	• •	- uc	American	Kitzmiller [.]	between car and rock; right loveninger crushed. Rock fell while man was shoveling coal and in getting out of the way he bumped
March 8	John R. Wilson	Miner		Married	• •	• 6	American	Kitzmiller	hand against prop; right hand prused. Man was shoveling coal in car when piece of rock fell from the roof, falling on his
March 15	Gilbort Thurson	Dutton	<u> </u>	Cincilo	. 1	I	American	Dodson	foot and also scraping his back; left 100t crushed and appravous of the back. Man was taking car into mine in his place when pony became scared and started to
Match 19		INTIAL	01	amgre	3				run away and in trying to get out of the way the injured man slipped and car ran over his foot: right foot bruised.
March 16	Walter Keller	Miner	32	Married	e., '	4	American	Kitzmiller	Man was running the car out of his place when car jumped the track and caught finger between car and roof; small finger on right hand crushed.
May 6	Walter Keller	Miner	32	Married	20	4	American	Kitzmiller	Loafing in another man's place when rock fell, hitting him on the back and pushing him over. Contusions of the muscles of the back.
May 6	John T. Reid	Miner	44	Married	20	9	American	Elk Garden, W. Va.	Man was knocking props out from under rock when piece of rock fell, hitting him on the knee: bruised knee.
June 11	Homer Henline	Miner	98	Married	11	•	American	Shallmar Kitzmiller	Bumped head on cutting machine; cut on head two inches long. Cut small finger, right hand, and got sulphur water in it.
Sept. 23 Nov. 1	John E. Wilson Austin Keller Cland Mafratina	Miner Pick Miner Elactrician	26 26 26	Married Married	10 6]e	American American American	Kitzmiller Shallmar	Pulling up rail with pony when rail turned and hit ankle; bruised ankle. Bruised index finger on clutch of mining machine.
Nov. 26	Walter H. Marley	Coal miner	27	Married	1	• }	American	Shallmar	Lifting mine car on track; Scotal Hernia, right side.

POTOMAC FUEL SUPPLY COMPANY-DOBSON MINE-(Continued)

/

STATISTICS OF PRODUCTION, 1926 ALLEGANY COUNTY

	Mining Machines Used.	1 Morgan Gardner and 1 Goodman 1 Jeffrey short-wall	l Jeffrey arc-wall
Acci- ents.	Non-Fatal.		1 12 4 2 2 2 2 1
	-fatal		
cs.	.IsioT	$\begin{array}{c} 1,765.0\\ 15,531.1,0\\ 15,531.1,2\\ 15,531.1,2\\ 15,531.1,2\\ 15,531.1,2\\ 15,531.1,2\\ 15,531.1,2\\ 15,531.1,2\\ 15,531.1,2\\ 15,531.1,2\\ 15,531.1,2\\ 15,532.1,332.1$	88.11 99,058.11 4,725.0 18,046.00 18,046.00 18,046.00 16,880.00 16,880.00
tput Statisti	.эпідэвМ	3.101.05 3.101.05 3.101.05 91.592.94 91.592.00 13,995.00 13,995.00 2,412.05 2,412.05 2,412.05	2,634.04
01	-પ્રગંત	$\begin{array}{c} 1,765.00\\ 1,51630.00\\ 15,531.19\\ 15,531.00\\ 1,112$	14,603,12 99058,14 2,0958,14 18,046,01 18,046,00 1,628,00 65,830,00 65,830,00
	Days Worked During Year.	10 10 10 10 10 10 10 10 10 10	1875 193 68 68 68 233 233 233 235 75 255 75 255 75 255 75 255 75 255 75 255 75 255 75 255 75 255 75 255 75 255 25
ż	.fstoT	20108220182220 20108220182220 2010822018220 2010822018220 2010822018220 20108220 20108220 20108220 20108220 20108220 20108220 20108220 20108220 20108220 20108220 20108220 20108220 2010800 2010800 2010800 2010800 2010800 2010800 2010800 2010800 2010800 2010800 2010800 2010800 2010800 2010000000000	$^{102}_{854}$
ployee	esside Employees	ا ۵ - ۱ ۵ - ۱ ۵ - ۱ ۵ - ۱ ۵ ۵ ۵ ۵ ۵ ۵ ۵ ۵	101000 - 100
ion of Em	Inside Laborers.		1 12 1 1 22
tribut	Drivers.	-0 104-1 1 10-4-0-4 10-4-0 000 1040 1-0-4 1 -1 1-1 1-1 0 10-000 0 144-0	H 01 00 101 100 1
Dis	Miners.	410180 1034355555555555555555555555555555555555	°°54 212 211 1
	Coal Seam Worked.	Bakerstown Upper Tyson Big Vein Fyttsburgh Big Vein Big Vein	Tyson Big Vein Big Vein Tyson Bakerstown Big Vein Big Vein
	Number of Openings.		N4 H00H
	Name or Number of Mine.	Tacoma No. 5 Tacoma No. 2 Union Union Union Union Union No. 1 & Air course Roestle Mine Roe 1 & Air course Castle Mine No. 1 & Air course Castle Mine No. 1 & Air course Castle Mine Castle Mine Castle Mine Castle Mine No. 1 Swanton Franklin Frank	Marva Kingsland Kingsland Kingsland Mo. 1 McNitt No. 2 Barnes No. 3
	Name of Company.	Allegany Coal Co. Allegany Coal Co. Allegany Coal Co. Annan & Jeffries Annan & Jeffries Annan & Jefries Annan & Jefries Big Vein Coal Co. of Lonaconing Big Vein Coal Co. of Lonaconing Brailer Mining Co. Campbell Coal Company, Inc. Campbell Coal Consolidation Coal Co. Consolidation Coal Co. Consolidation Coal Co. Consolidation Coal Co. Consolidation Coal Co. Davib Brady Itales Hanne Bras. Coal Co. Jun. Ceorge's Creek Coal Co. Davib George's Creek Coal Co. Hoft Bros.	A. MacMannis Marya Coal Co. Maryand Coal Co. Maryland Coal Co. Maryland Coal Co. MacKee & Fuller Coal Co. McNitt Coal Co. Medittan Coal Co.

			iman; 1 Sullivan iey arc-walls iman rey short-wall	iman ; 1 Sullivan ey arc-walls iman ey short-wall ey arc-walls ivan short-walls ey arc-walls	iman ; 1 Sullivan ey arc-walls iman rey short-wall ey arc-walls rey arc-walls rey arc-walls	iman ; 1 Sullivan cey arc-walls fman rey arc-walls ey arc-walls rey arc-walls rey arc-walls rey arc-walls	iman ; 1 Sullivan cey arc-walls finan rey short-wall ey arc-walls van short-walls rey arc-walls rey	iman ; 1 Sullivan ey arc-walls iman rey short-wall rey arc-walls van short-wall rey arc-walls rey arc-walls rey arc-walls arc ard ardner gan Gardner	iman ; 1 Sullivan ey arc-walls iman rey short-wall rey arc-walls ev arc-walls ev arc-walls ev arc-walls arc-wall ; 1 short-wall n C. E. 7 & 9 gan Gardner	iman : 1 Sullivan ey arc-walls tey short-wall tey arc-walls ey arc-walls rey arc-walls rey arc-walls rey arc-walls rey arc-walls arc-walls rey arc-walls rey arc-wall rey arc-walls rey arc-walls rey	iman : 1 Sullivan ey arc-walls tey short-wall ey arc-walls ey arc-walls rey arc-walls rey arc-walls rey arc-walls arc-walls arc-wall feature an C. E. 7 & 9 gan Gardner	man ; 1 Sullivan cey arc-walls fman rey short-wall ey arc-walls ey arc-walls ey arc-walls ey arc-walls arc-walls ey arc-walls ey arc-walls eg arc-wa	man ; 1 Sullivan ey arc-walls rey arc-walls ey arc-walls ey arc-walls ey arc-walls en c. E. T & 9 gan Gardner gan Gardner faills m C. E. T & 9 gan Gardner fails m Rotator jack an Rotator jack	
				2 2 1 1 2 2 4 0 0 0 0 0 0 1 2 0 0 0 0 0 0 0 0 0 0 0 0	2 1 1 2 1 2 3 2 4 2 3 2 6 3 2 6 3 2 6 1 3 2 6 6 2 7 6 6 2 7 6 6 7 7 6 7 7 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7	1 1 Goodm 13 2 Jeffrein 13 2 Jeffrein 6 2 Goodm 1 Jeffrein Jeffrein 8 2 Jeffrein 8 2 Jeffrein 9 1 Jeffrein 9 1 Iong-v	2 2 13 13 5 2 7 6 6 2 7 6 6 2 7 6 6 1 9 1 1 9 1 1 0 8 5 2 5 8 8 2 1 6 1 7 9 1 1 9 1 1 9 1 1 9 6 1 1 9 6 7 7 1 9 6 7 1 1 9 6 7 7 6 6 7 7 7 6 6 7 7 7 6 6 7 7 7 7	2 2 3 4 4 5 5 7 6 5 7 6 6 2 7 6 6 7 9 1 9 1 1 0 8 6 2 7 6 6 7 9 1 9 1 1 9 8 6 2 7 6 0 0 7 8 8 1 9 8 13 7 2 6 6 0 13 8 5 7 13 7 13 6 6 2 7 9 8 6 1 3 8 1 3 8 1 9 8 1 9 8 1 9 8 1 9 8 1 9 8 1 9 8 1 1 9 8 1 9 8 1 9 8 1 9 8 1 9 8 1 9 8 1 9 8 1 9 8 1 9 8 1 9 8 1 9 8 1 9 8 1 9 8 1 9 8 1 9 8 1 9 8 1 1 9 8 1 9 8 1 9 8 1 9 8 1 1 9 8 8 8 8	2 2 2 1 1 1 2 2 3 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 3 3 2 4 1 1 3 2 4 1 1 3 4 1 1 3 4 1 1 3 4 1 1 3 4 1 1 3 4 1 1 3 4 1 1 3 4 1 1 3 4 1 1 3 4 1 1 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1	13 2 13 2 13 2 13 2 13 2 13 2 13 2 13 2 14 1 15 1 16 1 17 1 18 2 19 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1	Mon-PataL 8 4 1 1 1 2 2 3 5 2 1 5 6 6 6 7 7 1 2 2 1 5 6 6 6 7 7 1 1 3 2 2 1 5 6 6 6 7 7 1 1 5 6 6 2 2 1 5 6 6 6 7 7 5 2 3 5 1 1 1 7 7 1 1 2 5 2 5 3 5 2 1 5 6 7 7 5 2 2 3 5 1 1 1 7 7 1 1 2 5 2 5 3 5 2 1 1 1 7 7 1 1 2 5 2 5 2 3 2 2 5 2 3 2 1 1 1 7 7 1 1 2 5 2 5 2 3 2 5 2 5 2 1 1 1 2 5 2 5 2 5 2 5 2 5 2 5	Mon-Fatal. Millivan 1 1 1	
	.13 <u>13</u> <u>13</u>	24 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Image: state	81 85 82 82 80<	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 <td>1 1<td>1 1<td>A 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5</td><td>Waral Patal I <thi< th=""> I <thi< <="" td=""><td>Biologia Biologia Biologia</td></thi<></thi<></td></td></td>	1 1 <td>1 1<td>A 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5</td><td>Waral Patal I <thi< th=""> I <thi< <="" td=""><td>Biologia Biologia Biologia</td></thi<></thi<></td></td>	1 1 <td>A 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5</td> <td>Waral Patal I <thi< th=""> I <thi< <="" td=""><td>Biologia Biologia Biologia</td></thi<></thi<></td>	A 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Waral Patal I <thi< th=""> I <thi< <="" td=""><td>Biologia Biologia Biologia</td></thi<></thi<>	Biologia	
L 	. 8,799.8	- 7 - 8,541.1 - 8,799.5 - 11,907.8			T 3.541.1 3.541.1 3.541.1 3.5610.0 0 2.580.0 1.5722.1 1.5	T 3.541.1 3.541.1 3.541.1 3.541.1 3.541.1 3.541.1 3.541.0 1.550.0 1.550.0 1.572.0 1	T 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,	T 8,749.6 8,799.6 8,799.6 8,799.6 1,572.6 1,572.6 1,572.6 1,572.6 1,572.6 1,572.6 1,572.6 1,572.6 1,572.6 1,572.6 1,572.6 1,572.6 1,572.6 1,572.6 1,572.6 1,572.6 1,572.6 1,572.6 1,552.6 1	T	1 2 3.541.1 3.541.1 3.541.1 3.541.1 1 9.3370.5 9.3370.5 1 11,907.8 9.3370.5 1 11,907.8 9.3370.5 1 11,007.8 10.5510.0 1 11,007.8 10.5510.0 1 11,007.8 10.5510.0 1 11,007.8 10.5510.0 1 11,007.8 10.5510.0 1 15,010.0 10.5510.0 1 15,0210.0 11.5510.0 1 165510.0 11.5510.0 1 165510.0 11.5510.0 1 165510.0 11.5510.0 1 2,272.2 5.9560.0 1 2,272.3 5.9560.0 2 3.956.0 3.956.0	T 2, 272, 375, 1 2, 272, 375, 1 1, 2, 272, 275, 1 1, 2, 275, 275, 275, 275, 275, 275, 275,	TotaL TotaL 12, 271, 275, 175, 175, 175, 175, 175, 175, 175, 1	T 3.541.1 0 0 9.3370.5 0 0 9.3370.5 0 17.051.6 0 1 2.850.6 1.572.6 1 2.541.1 0 1 1.572.6 1.572.6 1 1.552.6 1.572.6 2 3.446.6 1.553.6 1 1.552.7 3.446.6 1 1.553.7 1.655.8 1 1.553.7 3.446.6 1.553.77 3.446.6 3.446.6 1 2.272.3 3.936.6 1.4653.7 3.936.6 3.446.7 1.41.456.3 1.1.46.3 3.446.7 1.446.6 3.936.6 3.936.7 1.1.46.3 3.936.6 3.936.7 1.1.46.3 3.936.7 3.936.7 1.1.46.3 3.936.7 3.936.7 1.1.46.3 3.936.7 3.936.7 1.1.46.3 3.936.7 3.936.7 1.1.46.3 3.936.7 3.936.7	
WI	84 IN	27 57 28 28 58 28 29 58 28	13 13 14 15 15 15 15 15 15 15 15 15 15	34 N 34 24 24 24 24 24 26 9.3377.00 00 24.5677.00 17,068.00 117,068.00 117,068.00 34.6622.00 18 117,068.00 19 34.6622.00	M 1327.00 1337.00 144 1572.00 153.337.00 157.209 15	M 1327.00 1327.00 14272.00 14572.00 14572.00 146.888.00 146.	M M 34 1 34 1 36 4 36 4 36 1 37 0 36 1 37 0 38 1 38 1 39 1 31 53 32 66 33 66 34 682 34 682 34 682 34 683 34 683 36 66 37 68 38 68 39 6 30 6 31 6 6 6 6 6 7 6 7 7 8 7 9 7 10 6 11 1 12 1 <	13 13 14 16 24 24 2337.00 26.057.00 24.2097.00 26 26.257.00 24.2097.00 26.257.00 26.257.00 26 26.257.00 26.257.00 26.257.00 26.257.00 26.257.00 26 26.257.00 26.4682.00 26.4682.00 26.257.00 26.257.00 20 24.6823.00 34.6823.00 36.682.00 36.682.00 36.682.00 20 26.4682.00 36.682.00 36.682.00 36.682.00 36.682.00 20 15.771.13 57.271.13 57.271.13 57.271.13 57.271.13	34 84 34 8337,00 36 9,337,00 36 9,337,00 36 9,337,00 37 117,068,00 34,632,00 34,632,00 36 53,350,00 37,693,00 34,632,00 36 53,350,00 37,693,00 34,632,00 36 53,350,00 37,693,00 117,068,00 36 53,350,00 36 53,350,00 36 53,350,00 36 11,13,00 37 63,350,00 36 146,383,00 37 63,350,10 36 146,383,00 37 11,13 36 146,33,350,11 37 14,33,329,11 38 14,33,929,11	13 15 15 16 17 16 17 16<	A M 34 84 34 93377.00 36 60.557.00 31 1572.00 33 14.572.00 34 14.572.00 34.682.00 34.682.00 36 65.5350.00 36 46.883.00 37 65.271.13 36 622.00 37 623.00 36 622.00 37 65.3350.00 34.682.00 34.682.00 36 16.993.19 37 62.21.13 37 62.271.13 38 6.271.13 39 6.271.13 19 423.929.11 19 5.271.13 00 00 01 14.23.929.11 19 423.929.11	Machine. Масhine. Ма	Mathematical Mathematical<	
ы. 	8,799.84	2,541.18 3,541.18 8,799.84 11,907.84 2,830.24	2,4111 2,54118 8,799.80 11,907.84 2,880.24 4,488.00 -4,488.00 -4,488.00 -0.01.00	2,830,241,15 2,541,15 8,799,84 11,907,84 11,907,84 11,907,84 3,021,00 101,740,00 101,740,00 101,740,00	P 2,541.15 3,541.15 3,541.15 3,541.15 2,830.23 4,483.07 4,483.07 3,021.00 10,754.00 10,754.00 10,754.00 2,846.00 2,840.00 2,846.00	P 2,541.15 3,541.15 3,541.15 8,799.86 11,907.88 11,907.88 2,880.24 3,021.00 1,373,005 1,373,005 1,373,005 1,373,005 1,373,005 1,373,005 1,373,005 1,373,005 1,374,005 1,3	P 2,830,241,15 3,541,15 8,799,86 11,907,78 11,907,78 2,830,24 101,369,00 1,3721,00 1,495,00 1,495,00 1,455,000 1,455,000 1,455,000 1,455,000 1,455,000 1,455,000	P P 3,541.15 3,541.15 3,541.15 3,541.15 8,799.84 11,907.89 11,907.83 0 11,907.84 11,307.80 2,883.02 4,488 101,377.86 3,021.00 3745.00 101,375.00 1,495.00 2,440.00 2,416.00 2,440.00 1,555.00 1,455.00 1,455.00 1,455.00 1,455.00 1,455.00 1,557.01 1,557.01 1,557.01 1,557.01 1,557.01 1,557.01 1,557.01 1,557.01 1,557.01 1,557.01 1,557.01 1,557.01 1,557.01 1,557.01 1,557.01 3,986.00	P P 3,541.15 3,541.15 8,799.84 8,799.84 11,907789.20 11,907789.20 11,907789.00 3,021.00 3,021.00 3,021.00 3,021.00 3,021.00 3,77369.00 3,440.00 1,3778.00 2,416.00 2,416.00 2,416.00 1,495.00 2,416.00 1,495.00 3,986.00 3,986.00 3,986.00 3,988.00 3,988.00	E 8, 541.15 8, 799.8, 8, 799.8, 8, 799.8, 8, 799.8, 8, 799.8, 11,907.84 11,907.84 11,907.84 11,907.84 11,907.84 11,907.84 11,907.84 11,907.84 11,907.84 10,174.16 11,745.00 11,745.00 11,655.00 11,655.00 11,655.00 11,655.00 11,655.00 11,655.00 11,655.00 11,655.00 11,655.00 11,655.00 11,655.00 11,655.00 11,655.00 11,848,445.15 11,848,445.15 11,848,445.15	E 8,541.15 8,541.15 8,799.8, 8,799.8, 8,799.8, 8,799.8, 11,907.84 11,907.84 2,880.24 11,907.84 3,541.15 2,880.24 11,765.00 11,755.00 11,655.00 11,655.00 11,655.00 11,655.00 11,655.00 11,655.00 11,655.00 11,655.00 11,655.00 11,655.00 11,655.00 11,655.00 11,655.00 11,655.00 11,648.445.11 0 0	Pick. 0	Prick. 2.880.23 2.880.23 2.880.23 2.880.23 2.880.23 2.880.23 2.880.23 2.880.23 2.846.00 1.1375.00 1.15555.00 1.15555.00 1.1555.00 1.1555.00 1.1555.00 1.1555.00	
ed -	4 Da	4 226 8 237 8 237 9 141	Da B B B B B B B B B B B B B	Da 8 4 4 8 8 4 2 2 6 8 2 3 7 2 2 6 2 3 7 2 3 7 2 3 7 2 3 7 2 10 2 1 10 2 1 10 2 1 10 2 2 16 4 1 10 2 2 16 4 2 16 4 16 4 1	Da 226 226 226 226 226 227 226 226	Da 2 2 2 6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Da 2226 226	Da 226 Da 3 225 225 3 225 225 3 225 237 3 225 237 3 225 237 3 237 255 3 237 255 3 237 255 3 237 256 3 237 256 3 236 256 3 237 256 3 256 256 3 256 256 3 256 256 3 256 256 3 256 256 3 256 256 3 256 256 3 256 256 3 256 256 3 256 256 3 256 257 3 256 256 3 256<	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Date Date 8 237 8 237 8 237 11 226 12 141 13 2265 141 2265 11 2265 11 2265 11 2265 11 2265 11 102 11 102 11 102 11 1102 11 1102 11 1102 11 1167 11 1167 11 1167 11 1166 11 1166 11 1166 11 1166 11 1166 11 1166 11 1166 11 1166 12 116 13 12 146 116 160 116 160	Date Date <th< td=""><td>Days Worked During COUNT San San San San San San San San San San</td><td>Days Worked During Q 3 5</td></th<>	Days Worked During COUNT San	Days Worked During Q 3 5	
- - T	T 4 .	T 4 8 0 0	T 4 80 8 25585 85	T	T	T 4 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	T	T 4 8 8 8 8 8 9 1 8 8 8 8 9 1 8 9 1 8 1 8 8 8 9 1 8 9 1 8 1 8	T ·	A 8 8 8 8 8 8 8 1 1 5 8 8 1 1 1 5 8 1 <th1< th=""> <th1< th=""> <th1< th=""> <th1< th=""></th1<></th1<></th1<></th1<>	GANY GANY Constraints of the constraint of the c	Outside Employees. PL S	T T T T T T T T T T T T T T T T T T T	
- 0 			nn ∞2∞- 	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	nl ∞4∞ ∞5.8 n0 , ;	nl 0.200- 0.202 - 0 n0	nl 4	nl 1 1 8 2 8 9 9 8 8 9 1 1 1 1 1 1 8 8 9 1 1 1 1 1 1 1 1 1 1	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\mathbf{LLE} \begin{bmatrix} \frac{1}{23} & 1 & 1 & 1 & 0 & 28 & 0 \\ \frac{1}{23} & 1 & 1 & 1 & 0 & 0 & 0 \\ \frac{1}{23} & \frac{1}{23} & 1 & 1 & 1 & 0 & 0 \\ \frac{1}{23} & \frac{1}{23}$	LLEC	Inside Laborets. P P P P P P Outside Employees. B B 1<	Image: Second	
т а						10 0 -	10 ⁰ - ⁰ - ⁰ -			S 10 10 10 10 10	$ \frac{\mathbf{D}_{\mathbf{r}}}{ 1 } = \frac{\mathbf{D}_{\mathbf{r}}}{ 1 } = \frac{\mathbf{D}_{\mathbf{r}}}{ 1 $			
¥	<u>م</u> ش	 س م م م م	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	100 100 100 100 100 100 100 100	80000000000000000000000000000000000000	1 x x y y y y y y y y y y y y y y y y y	¶ ∞ ∞ ∞ ∞ 9109 8 ∞ ∞ ∞ ∞ 9109 8 0 ∞ ∞ ∞ 9109 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	¶ ∞ ∞ ∞ ∞ ∞ Ω Ω Ω 2 2 2 2 2 2 2 2 2 2 2 2	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		MINE Dist			
	Tyson Big Vein	Tyson Big Vein Big Vein Bakerstown	Tyson Big Vein Big Vein Brush Creek Waynaiden Ir, Kittanning	Tyson Big Vein Big Vein Bag Vein Barush Creek Up. Ktitanning Maynaidier Tar. Kittanning Bakerstown Rakerstown Aakerstown Bakerstown	Tyson Big Vein Big Vein Big Vein Bakerstown Erush Creek Up. Kittanning Maynaidier La. Kittanning Maynanidier La. Kittanning Materstown Bakerstown Big Vein Big Vein Big Vein Big Vein Big Vein Big Vein	Tyson Big Vein Big Vein Big Vein Bakerstown Bakerstown Kittanning Maynaidier Lr. Kittanning Maynaidier Maynaid	Tyson Big Vein Big Vein Big Vein Brush Creek Up. Kittanning Maynaidier La. Kittanning Maynaidier La. Kittanning Bakerstown Big Vein Big Ve	Tyson Big Vein Big Vein Big Vein Bakerstown Bakerstown Kittanning Maxmanidier Lr. Kittanning Maxerstown Bakerstown Big Vein Big Vein	Tyson Big Vein Big Vein Big Vein Bakerstown Bakerstown Kittanning Maynaldier Lr. Kittanning Maynown Rakerstown Bakerstown Bakerstown Big Vein Big Vein	Tyson Big Vein Big Vein Big Vein Big Vein Brush Creek Up Kittanning Materstown Bakerstown Bakerstown Big Vein Big Vein	Tyson Big Vein Big Vein Big Vein Brush Creek Up Kittanning Makerstown Bakerstown Rakerstown Bakerstown Big Vein Big Vein	Tyson Big Vein Big Vein Big Vein Brush Creek Up, Kittanning Lr, Kittanning Lr, Kittanning Bakerstown Bakerstown Big Vein Big Vein	Tyson Big Vein Big Vein Big Vein Big Vein Bakerstown Bakerstown Rakerstown Bakerstown Bakerstown Bakerstown Big Vein Big	
	1 1		a a a daadaw qixa	리 리 리 리리리러 ¹⁰ 리아리리 (-	н н н нарадинорана (:«		н н н нарадинорнаном наномина (; «			н н н нанажаюнанаама наноманоман 4 м		Number Openings.		
	No. 1 No. 1 No. 1	No. 1 No. 1 No. 2 No. 3	No. 1 No. 1 No. 2 No. 3 Newbown Mt. Savage Liberty Montel	No. 1 No. 1 No. 2 No. 2 No. 2 No. 8 No. 8 No. 1 Liberty Montell Washington No. 2 Washington No. 5 Washington No. 5 Washington No. 2 Moore Mine	No. 1 No. 1 No. 2 No. 2 No. 3 Newbown Mt. Savage Mthery Monteln Washington No. 5 Washington No. 5 Washington No. 5 Wash. Hollow Wash. Hollow	No. 1 No. 1 No. 2 No. 3 No. 3 Newtown Newtown Mersarage Moreth Washington No. 2 Washington No. 5 Washington No. 5 Washington No. 5 Wash. Hollow Wash. Hollow Big Vein No. 3	No. 1 No. 1 No. 2 No. 3 No. 3 Newtown Newtown Liberty Montell Washington No. 2 Washington No. 5 Washington No. 5 Wash. Hollow Wash. Hollow Wash. Hollow Wash. Hollow Wash. Hollow Wash. Hollow	No. 1 No. 1 No. 2 No. 3 No. 3 Newtown Merstyngton No. 2 Washington No. 2 Washington No. 2 Bow. Furnace No. 2 Moore Mine Wash. Hollow Wash. Hollow Wash. Hollow Wash. Hollow No. 2 No. 1 No. 2 No. 1 No. 2 No. 2	No. 1 No. 1 No. 2 No. 3 No. 3 Newtown Merty Montell Washington No. 2 Bow. Furnace No. 2 Bow. Furnace No. 2 Moore Mine Wash. Hollow Wash. Hollow Wash. Hollow Wash. Hollow Wash. Hollow No. 2 No. 1 No. 2 No. 2 No. 2 No. 2 No. 2 No. 2 No. 2 No. 2	No. 1 No. 1 No. 2 No. 3 No. 3 Newtown Newtown Merty Montell Washington No. 2 Washington No. 2 Washington No. 2 Washington No. 2 Wash. Hollow Wash. Hollow Wash. Hollow Wash. Hollow Wo. 1 No. 2 No. 1 No. 1 No. 2 No. 1 No. 2 No. 1 No. 2	No. 1 No. 1 No. 2 No. 3 Newtown Newtown Newtown None 3 Montell Washington No. 2 Washington No. 5 Washington No. 5 Wash. Hollow Wash. Hollow Wash. Hollow Wash. Hollow Wash. Hollow No. 2 No. 1 No. 1 No. 2 No. 1 No. 2 No. 1 No. 2	No. 1 No. 1 No. 2 No. 3 No. 3 Newtown Merty Montell Washington No. 2 Bow. Furnace No. 2 Moore Mine Washington No. 2 Bow. Furnace No. 2 Moore Mine Wore Mine No. 1 No. 1 No. 1 No. 2 No. 1 No. 2 No. 1 No. 2 No. 2 No. 1 No. 2 No. 2 No. 1 No. 2 No. 2 No. 1 No. 2 No. 2	No. 1 No. 1 No. 2 No. 3 No. 8 No. 8 No. 8 No. 4 No. 6 No. 2 No. 1 No. 2 No. 1 No. 4 No. 6 No. 1 No. 4 No. 4 No. 4 No. 2 No. 1 No. 4 No. 4 No. 4 No. 2 No. 1 No. 4 No. 4 No. 4 No. 2 No. 1 No. 4 No. 6 No. 1 No. 6 No. 6 No. 6 No. 6 No. 6 No. 6 No. 7 No. 1 No. 1 No. 1 No. 1 No. 6 No. 1 No. 7 No. 1 No. 7 No. 1 No. 7 No. 7 No. 1 No. 6 No. 1 No. 1 No. 6 No. 1 No. 1	
_	Iidlothian Coal Co. Ioscow-George's Creek Coal Mining Co. Voscow-George's Creek Coal Mining	Iidlothian Coal Co. loscow-George's Creek Coal Mining Co. Loscow-George's Creek Coal Mining Loscow-George's Creek Coal Mining Co.	Iidlothian Coal Co. Ioscow-George's Creek Coal Mining Ioscow-George's Creek Coal Mining Co. Co. Co. Co. Co. Co. Co. Co.	lidlothian Coal Co. Loscow-George's Creek Coal Mining Co. Co. Co. Co. Co. Co. Co. Co. Co. Co.	lidlothian. Coal Co. Lidlothian. Coal Co. Co. Co. Co. Co. Co. Co. Co.	lidlothian Coal Co. Lidlothian Coal Co. Co. Co. Co. Co. Co. Co. Co.	lidlothian Coal Co. Co. Co. Co. Co. Co. Co. Co.	Iidlothian Coal Co. Loscow-George's Creek Coal Mining Co. Co. Co. Co. Co. Co. Co. Co.	Iidlothian Coal Co. Loscow-George's Creek Coal Mining Loscow-George's Creek Coal Mining Loscow-George's Creek Coal Mining Co. Loscow-George's Creek Coal Co. It. Savage Fuel Company tt. Savage George's Creek Coal Co. Tt. Porter Coal Co. Torter & Kreitzburg Tt. Porter Coal Co. The Big Co. Thion Mining Co. Thied Big Vein Co. Thie	lidlothian. Coal Co. Lighton Coal Co. Co. Co. Co. Co. Co. Co. Co.	Iidlothian Coal Co. Co. Co. Co. Co. Co. Co. Co.	Itidlothian Coal Co. Itidlothian Coal Co. Co. Co. Co. Co. Co. Co. Co.	Itidlothian Coal Co. Coscow-George's Creek Coal Mining Coscow-George's Creek Coal Mining Co. Co. Co. Co. Co. Co. Co. Co.	
	Ididothian Coal Co. No. 1 1 Tyson 3 1 4 226 3,541.13 1 1 3,541.13 1 1 3,541.13 1 1 2 3,541.13 1 1 3,541.13 0 <th0< th=""> 0 <th0< th=""></th0<></th0<>	Ididuthian Coal Co. No. 1 1 Tyson 3 1 4 226 3,541.13 Coscow-George's Creek Coal Mining No. 1 1 Big Vein 5 1 1 8 237 8,799.84 Coscow-George's Creek Coal Mining No. 1 1 Big Vein 5 1 1 8 237 8,799.84 1 Coscow-George's Creek Coal Mining No. 2 1 Big Vein 6 1 1 2 390.24 1 Coscow-George's Creek Coal Mining No. 3 1 Bakerstown 6 1 2 9 141 2,830.24 1			No. 1No. 1Tyson31 $-$ 42263,54113 $ -$ <			$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	No. 1Type3 44.133 44.133 5	Minuter, Caser S, Creak Coal Mining Convert Generation Careful Streams Convert Generation Careful Mining Convert Generation Careful Mining Mining Convert Mining	Midulus forests Construction Mathial Mathial <th <="" td=""><td>Mittanti Colu Colu No.1 Total Partial Mathematical Mathematical<td></td></td></th>	<td>Mittanti Colu Colu No.1 Total Partial Mathematical Mathematical<td></td></td>	Mittanti Colu Colu No.1 Total Partial Mathematical Mathematical <td></td>	

ALLEGANY COUNTY—Continued

				Dist	ributio	n of Emple	oyees.		Out	tput Statistic		Acc		
Name of Company.	Name or Number of Mine.	Number of Openings.	. Coal Seam Worked.	Мілетя.	Drivera.	Inside Laborers,	Outside Employees.	.rotat. Days Worked During Year.	Pick.	Масћіпе.	Total.	Fatal.	.lstsA-noN	Mining Machines Used.
W. D. Althouse & Co. Boyd Mining Co. Cassellman Valley Coal Co. Davis Coal and Coke Co.	Georgian Potomae Manor Miller-Ferrens No. 42	- 0	Freeport Kittanning Bakerstown Kittanning	15 56 99		44 99 29	20 17 1	24 248 94 188 12 188 62 259	71,386.00 156.08 46,553.15	22,048.04 184,131.07	$\begin{array}{c} 22,048.04\\71,386.00\\156.08\\230,685.02\end{array}$. .	28 5 28 5	arc-wall Goodman slabbing; 2 Goodman short-walls; 1 Goodman scraper
Dodson Bituminous Coal Corp. Earl Fazenbaker George Moreland Hamill Coal and Coke Co. Hamill Coal and Coke Co. Manor Coal Co. Manor Coal Co. Mcorp.	Arnold Big Vein Table Rock Hamill Hamill Manor No. 1 Manor No. 2 Manor No. 2 Manor No. 1		Lr. Kittanning Big Vein Kittanning Freeport Kittanning Carion C-Prime	01220885738 01220885758	[m 6, m 6] 6] 6]	 014,10,000	1128	36681 20122 36681 201222 36681 201221 2012 2012 2022 2012 2022 2022	629.13 189.00 189.00 718.00 718.00 50,199.00 11,899.00 11,899.00	48,442.00 38,171.00 54,882.00	629,13 189,00 189,00 22,495,00 50,130,00 60,251,00 88,311,00 54,882,00 54,882,00		6 2 3 1 3 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	loader Jeffrey short-walls Jeffrey short-wall Short-wall
weivin weimer Weivin Weimer Morgart Coal Co. (Ezra) Morgart Coal Mining Co. Morgart Coal Mining Co. Myers Coal Co. G. C. Pattison C. Pattison Parn-Maryland Collieries, Inc.	Nichaels No. 1 Michaels No. 1 Morgart No. 2 Morgart No. 5 Beachey Nethkin Dodson 3-6	이미디디디이퍼 ·	Rakerstown Morgart Morgart Morgart Morgart G-Prime Bakerstown Freeport Lr. Kittanning	390080111 3900801111 391008001111			- 1- 14.61	5206 5206 5206 5206 5100 5100 51100 51100 51100 51100 51100 51100 51100 51100 51100 51100 51100 51100 51000 50000 50000 50000 50000 50000	1,325,00 1,432,00 5,125,00 1,132,00 1,132,00 1,132,00 1,132,00 1,132,00 1,132,00 1,132,00 1,447,06 28,184,07 28,184,07	18,827.17 7,394.09	1,326,00 5,125,00 5,125,00 1,132,00 1,166,00 4,257,08 3,481,03 3,481,03 3,578,16 35,578,16		80 12 20 20 20 20 20 20 20 20 20 20 20 20 20	E. Suliyan Leffrey , arc-walls; 1 Goodman
Potomac Fuel Supply Co. R. J. Ross Coal Mines, Inc. A. G. Shrout A. B. Shrout Coal Co. Stever Coal Co. Wolf Den Coal Company	Dodson No. 8 Shrout Trout Hilltop Wolf Den	 63 63	Up. Kittanning Bakerstown Kittanning Six Foot Freeport Lr. Kittanning	65 10 12 12 12 12 12	-9-014	1521	1 2 1 18 18 18	$\begin{array}{c c} 5 \\ 07 \\ 2 \\ 14 \\ 14 \\ 17 \\ 17 \\ 24 \\ 51 \\ 51 \\ 51 \\ 51 \\ 24 \\ 93 \\ 200 \end{array}$	893.17 893.17 546.10 2,200.00 28,533.09	57,339,10 57,339,10 58,247.01	893.17 90,553.15 546.10 2,200.00 2,200.00 86,780.10		26 1 	suore-wau are-wall; 1 Sullivan sho rt -wall are-walls; 1 short-wall.
				568	73 1	1 29 1	42 9	12 4,303	1/2 317,820.10	489,483.08	807,303.18	61	141	

GARRETT COUNTY

NAMES OF SUPERINTENDENTS AND MINE FOREMEN, ALLEGANY COUNTY, CALENDAR YEAR 1926

	1	FUR THE CALENDAR YEAR 1926	29
Mine Foreman	Audrew Brode, Jr. James E. Darrow	John Bradley Fred. Beeman Harrison Davis James Ringler T. A. Harris John J. Falnerty John S. Athey John S. Athey Johy Brady Crow B. L. Edwards Frank Williams Frank Williams Frank Williams Frank Williams R. L. Edwards Darby Brady Charles Brunner	Fred Entler Sheridan Means Clarkson Laird Robert Todd John D. Robertson
Superintendent	R. C. Roberts Andrew Brode, Jr. W. H. R. Thomas W. H. R. Thomas Arch Michaels James E. Darrow	Eugene Stevens John L. Casey John L. Casey John L. Casey John L. Casey M. J. Campbell George D. Campbell R. M. Ashy R. M. Ashy S. M. Salva S. M. Salva	Edward J. McKinzie F. H. Spates John A. Anderson John R. Hamilton John R. Hamilton John R. Hamilton
Mine	Tacoma No. 2 and No. 5 Brode's Mine Union Tyson Union Big Vein Michaels No. 1 and No. 2	Bennet: No. 1 and Air-course Caledonia Eskheart Caledonia Farker No. 1 Burtner No. 6 Campbell Donald Franklin-Big Vein Franklin-Big Vein Hampshire-Bakerstown Franklin-Big Vein Mo. 1 No.	McKinzie Borden Spates No. 1 Spates No. 1 George's Creek No. 2 George's Creek No. 4 Waynesburg No. 3
Name of Company	Allegany Coal Co. Andrew Brode, Sr., & Son Annan & Jefries Annan & Jefries Arten Michaels Coal Co. Barton Potomac Coal Co.	C. C. Bernett D. A. Bernett Big Vein Coal Co. of Lonaconing Big Vein Coal Co. of Lonaconing Big Vein Coal Co. of Lonaconing Burler Mining Co. Campbell Bros. Fuel Mine Campbell Bros. Fuel Mine Campbell Coal Co. Campbell Coal Co. Comsolidation Coal Co. Consolidation Coal Co.	Edward McKinzie H. G. Evans Frostburg Mining Co. George's Creek-Barrellsville Coal Co. George's Creek Coal Co., Inc. George's Creek Coal Co., Inc.

NAMES OF SUPERINTENDENTS AND MINE FOREMEN, ALLEGANY COUNTY, CALENDAR YEAR 1926 ©

Name of Company	Mine	Superintendent	Mine Foreman
ieorge's Creek Coal Co., Inc. ieorge's Creek Coal Mining Co.	Pittsburgh No. 2 Sonny No. 1	John R. Hamilton J. W. Woomer	Clarkson Laird J. Frank Quinn and Edw. G. Atkinson Z
lanna Bros. Coal Co. loffa Bros. Coal Co.	Phoenix No. 2	James Hanna William H. Hyde	James Hanna Chester A. Hyde
Ioward & Maybury ohn E. Smith		John E. Smith	Charles E. Preston
coontz Coal Co. angham & Boal	McKee No. 2 Langham	Kobert T. Shaw H. Langham	walter Kalimyer H. Langham A. Momentis
Larva Coal Co.	Marva Kingelond-Big Voin	A. MacMannis Jos. G. Martin Fully Front	A. MacManuns Jos. G. Martin Willism Turnhull-Harold Morgan
faryland Coal Co.	Kingstand-Tyson Wingstand-Tyson	Feix Foot T MeDonald	P. J. Stanton Joseph Shuhart
Tectonary Coal Co.	No. 1 McNitt No. 2	Henry McKee James Jenkins	Henry McKee John Fatkin
fidiothian Coal Co.	Barnes No. 3 Tyson No. 1	William Walters	M
Loscow-George's Creek Mining Co.	No. 1 (Big Vein) No. 3 (Pite Vein)	J. W. P. Somerville	Edw. W. Shaw Edw. W. Shaw
loscow-George's Creek Mining Co.	No. 3 (Bakerstown)	J. W. P. Somerville	H. Brennan
11. Savage Fuel Co. 11. Savage-George's Creek Co.	Mt. Savage	L. K. Barth H. B. Avery	William Eisel-Melvin Reed
It. Savage Mining Co. forth Maryland Coal Mining Co.	Maynadier Montell	B. H. Biays Thomas Richardson	Joseph Jenkins
lid Colony Coal Co. liedmont & George's Creek Coal Co.	Bakerstown Washington No. 1	Jos. Small J. A. Cosgrove	Jos. Small William Brophy
iedmont & George's Creek Coal Co.	Washington No. 5 Rowery Furnase No. 9	J. A. Cosgrove Harry C. Hitchins	John Wallace-John Hughes George Albright-Oscar Huber
T. Porter Coal Co.	Moore	0. T. Porter	0. T. Porter
orter & Kreitzburg L. W. Race	Big Vein Washington Hollow	Marshall Forter M. W. Race	Marshall Forter
C. Roberts Coal Co., Inc.	Bakerstown	R. C. Roberts	R. C. Roberts Thomas Smith
tanton George's Creek Coal Co.		M. L. Stanton	M. L. Stanton
teuart Coal Co. ullivan Bros. Coal Co.	Sullivan No. 3	Robert Griffith John A. Sullivan	B. D. Byrnes
upply Coal Co. Inion Mining Co.	Bakerstown Thion No. 4	Joseph Robertson Joseph Finzel	Jos. Robertson Albert Deffenhauch
Inited Big Vein Coal Co.	No. 1 and No. 2		Fred. Rowe, Sr.
Uncent Engle & Sons Vestermort Coal Co.	Engle No. 1 and No. 2	William Engle Thomas Dailey	George Dailey
. 0. Workman		C. O. Workman	

MINES	
CLAY	
FIRE	
COUNTY,	
ALLEGANY	1926
FOREMEN,	IDAR YEAR
MINE	CALEN
AND	
UPERINTENDENTS	
OF SI	
NAMES	

Name of Company	Mine	Superintendent	Mine Foreman
Andrew Ramsay Co. Big Savage Fire Brick Co. Savage Mountain Fire Brick Co. Union Mining Co.	Pennsylvania Heading No. 1 No. 6 Nos. 6, 1, 7 and 10	Hugh Stevenson G. A. Shuckhart Joseph E. Finzel	Henry Lowery Clarence Raley Charles Wolfe Thomas Machin-William Baker
NAMES OF SUPERINTEN	NDENTS AND MINE FORE	SMEN, GARRETT COUNTY	, CALENDAR YEAR 1926
Name of Company	Mine	Superintendent	Mine Foreman
W. D. Althouse & Co. Boyd Mining Co. Casselman Valley Coal Co. Davis Coal and Coke Co.	Georgian Potomae Manor 1-2 Millen-Ferrens No. 42	J. T. Jordan George Boyd Walter Iman	J. T. Jordan G. L. Campbell Roy R. Wilburn Oscar Wolfe, assisted by L. M. Hellyer, Decar Wolfe, assisted by L. M. Hellyer, Walliam Sevmour
Dodson Bituminous Coal Corp. Earl Fazenbaker George Moreland Hamill Coal and Coke Co. Manor Coal Co.	Arnold Table Rock Hamili Mines Manor No. 1	C. N. Moryan Earl Fazenbaker George Morelaud R. A. Smith William Crichton, Jr., assisted by	William Hartley George W. Pritts
Manor Coal Co.	Manor No. 2	R. H. Tokum William Crichton, Jr., assisted by R. H. Yokum	R. E. Diveley
MeCullough Coal Corporation Melvin Weimer Michaels Coal Co. (Ezra) Morgart Coal Mining Corp. Myers Coal Co.	McCullough No. 1 No. 2 Micheels No. 1 Nos. 1.2 and 5 Beachy	C. Roberts Melvin Weimer Ezra Michaels Louis A. Morgart Norman Pat'on	C. Roberts Arch Stewart-Robert J. Kyle Joel A. Beachey
G. C. Pattison Penn-Maryland Colleries, Inc. Potomae Fuel Supply Co. A. G. Shrout A. G. Shrout A. B. Shrout Et. B. Shrout Coal Co. Steyer Coal Co. Wolf Den Coal Co.	Nethkin Dodson 3-6 Bakerstown Shrout Trout Hilltop Wolf Den	J. E. Cutchall E. O. Smith L. R. Kight A. G. Shrout H. B. Smith I. F. Steyer H. A. Marshall	Elmer Bush William Lemon-Owen Keegan J. P. Guy-Luther Evans O. W. Tasker Charles Ullery J. B. James

FOR THE CALENDAR YEAR 1926

31

ł

NAMES OF OFFICERS, ALLEGANY COUNTY, CALENDAR YEAR . 1926

 W. D. Althouse, Liberty Bldg., Phila., Pa. David Brailer, Mt. Savage Md.
 E. A. Burtner, Osceola Mills, Pa. Norman E. Fryer, 125 E. Fayette Street, Baltimore, Md. H. S. Rogers, New York City. Ulysses Hanna, 84 Broadway, Frostburg, Md. Estella Hoffa, Barton, Md. V.^β. Secretary's Name and Address James F. Welch, Piedmont, W. Va. J. Lee Chapman, Baltimore, Md. Robert H. Maybury, Piedmont, W. J. Jeffries, Managing Partner Carl C. Hetzel, Cumberland, Md. L. A. Quinlivan, Pittsburgh, Pa. Benj, T. Bradley, Frostburg, Md. Jonathan Jenkins Sara S. Brydon C. Roberts F. M. Spates W. A. Gunter ۍ Ľ. F. H. Spates
F. H. Spates
George Henderson
S. T. Brotemarkle
H. E. Weber. Cumberland, Md.
Bugene S. Reilly, Pittsburgh, Pa.
Guy Heblé, Mt. Savage, Md.
James Hanna, 29 Beall St., Frostburg, Md.
C. E. Howard, Piedmont, W. Va. A. K. Althouse, Liberty Bldg., Phila., Pa. Geo. C. Brailer, Mt. Savage, Md.
G. P. Burtner, Philadelphia, Pa.
M. J. Campbell
Thomas D. Campbell, Piedmont, W. Va.
W. J. Chapman, Baltinoue, Md.
C. W. Watson, 67 Wall St., New York City H. G. Von Heine, 125 E. Fayette St. Baltimore, Md. President's Name and Address William Jenkins, Frostburg, Md. W. S. Boal, Barton, Md. J. W. Galloway, New York City J. J. McDonald Edward J. McKinzie Andrew Brode R. Annan, Partner Arch Michaels E. Richard Brydon Charles J. Eagan James H. Fuller James H. Fuller J. Roberts ы Midland, Md. Campbell Bldg., Piedmont, W. Va. Sharpe & Lombard Sis., Balto., Md. Frostburg, Md. Cumberland, Md. Cumberland, Md. Peoples Bank Bldg., Pittshurgh, Pa. 25 E. Fayette St., Baltimore, Md. Barton, Md. 102 Wood St., Frostburg, Md. Frostburg, Md. 1 Broadway, New York City Principal Office Piedmont, W. Va. Westernport, Md. Frostburg, Md. Barton, Md. Barton, Md. Barton, Md. Eckhart, Md. Lonaconing, Md. Mt. Savage, Md. Osceola Mills, Pa, Mt. Savage, Md. Frostburg, Md. Barton, Md. Westernport, Md, Mt. Savage, Md. Frostburg, Md. Lonaconing, Md. Frostburg, Md. Cumberland, Md Frostburg, Md. Frostburg, Md. Midland, Md. Eckhart, Md. Zihlman, Md. Barton, Md. D. A. Beuson Big Vein Coal Co. of Lonaconing Frostburg Mining Co. George's Creek-Barrellsville Co. George's Creek-Barrellsville Co. George's Creek Coal Co., Inc. George's Creek Coal Minig Co. Braher Mitting Co. Buttiner Coal Mitting Co. Campbell Bros, Fuel Mirie Campbell Bros, Fuel Mirie Campbell Coal Co. Inc. Chapmen Coal Mining Co. Consolidation Coal Co. Allegany Coal Co. Andrew Brode, Sr., & Son Andrama & Jeffries Arch Michaels Coal Co. Barton-Potomae Coal Co. Name of Company McDonald Coal Co. MoKee & Fuller Coal Co. McNitt Coal Co. Hanna Bros. Coal Co. Hoffa Bros. Coal Co. Howard & Maybury John E: Smith Eckhart Fuel Mines Edward McKinzie Maryland Coal Co. Douglas Waddell Koontz Coal Co. Langham & Boal A. MacMannis Marva Coal Co. C. C. Bennett D. A. Benson Darby Brady David Yates Eagan Mine H. G. Evans **Buy Helbig**

32

ANNUAL REPORT OF MARYLAND BUREAU OF MINES

COUNTY-Continued
ALLEGANY
OFFICERS,
0F
NAMES

Nante of Company an Coal Co. George's Creek Miniug Co. George's Creek Coal Co. age-George's Creek Coal Co. age Mining Co. Maryland Coal Mining Co. Maryland Coal Mining Co. Maryland Coal Mining Co. Texer Coal Co. Texer Coal Co. Inc. Oberts Coal Co., Inc. Oberts Coal Co., Inc. Goal Co. Coal Co. Coal Co.	Principal Office Liberty Bidg., Cumberland, Md. Cumberland, Md. Mt. Savage, Md. Mt. Savage, Md. Mt. Savage, Md. Pittsburgh, Pa. Piethnoft, W. Va. Piethnoft, W. Va. Piethnoft, W. Va. Barton, Md. Barton, Md. Westernport, Md. Westernport, Md. Prostburg, Md. Frostburg, Md. Frostburg, Md. Prostburg, Md. Prostburg, Md. Prostburg, Md. Prostburg, Md. Prostburg, Md. Prostburg, Md. Prostburg, Md. Prostburg, Md. Prostburg, Md.	President's Name and Address Carl C. Hetzel J. W. P. Somerville J. W. P. Somerville Harry Finn, Leonard and Scholes Sts., Harry Pinn, Leonard and Scholes Sts., B. H. Biays, Continental Bldg., Balto., Md. Park J. Alexander T. D. Campbell, Piedmont, W. Va. John S. Brophy John S. Brophy M. W. Race R. C. Roberts M. W. Race R. C. Steuart, Frostburg, Md. C. Steuart, Frostburg, Md. C. H. Gallagher, Barton, Md.	Secretary's Name and Address R. L. Stallings W. A. S. Somerville Uniton Uhl H. B. Avery, Mt. Savage, Md. J. M. Young, Cumberland, Md. J. F. Walon, Cumberland, Md. J. P. Roberts, Cumberland, Md. Alex. C. Close (Acting) Alex. C. Close (Acting) William J. Sullivan
g to. Ve to. Le & Sons Coal Co. Sarnes & Sons man	Mt. Savage, Md. Burt. Savage, Md. Bekhart, Md. Barton, Md. Midlothian, Md. Frostburg, Md.	Kopereau Annan, Mt. Savage, Md. C. F. Rowe Vincent Engle Thomas Dailey, Westernport, Md. C. O. Workman	L. H. Rowe, Meyersdale, Pa. A. P. Hoffa, Barton, Md.

NAMES OF OFFICERS, FIRE CLAY MINES, ALLEGANY COUNTY, 1926

Secretary's Name and Address	William Hopkins, Mt. Savage, Md. B. J. Clark, Frostburk, Md. W. F. Caldwell, Frostburg, Md. C. F. Talbott
President's Name and Address	Henry Shrivev, Cumberland, Md. D. Armstrong, Frostburg, Md. H. G. Caldwell, Frostburg, Md. Roberdeau Annan, Mt. Savage, Md.
Principal Office	Mt. Savage. Md. Zihlman, Md. 35 Bowery St., Frostburg, Md. Mt. Savage, Md.
Name of Company	Andrew Ramsay Co. Big Savage Five Brick Co. Savage Mountain Five Brick Co. Union Mining Co.

FOR THE CALENDAR YEAR 1926

1

NAMES OF OFFICERS, GARRETT COUNTY, CALENDAR YEAR 1926

Name of Company	Principal Office	President's Name and Address	Secretary's Name and Address
W. D. Althouse & Co. Boyd Mining Co. Casselman Yalley Coal Co. Davis Coal and Coke Co.	1119 Liberty Bldg., Philadelphia, Pa. Potomac Manor, W. Va. Jennings, Md. Continental Bldg., Baltimore, Md.	 W. D. Althouse, Philadelphia, Pa. James G. Boyd, Potomac Manor, W. Va. C. C. Miller, Lonaconing, Md. Arthur B. Stewart, Continental Building, Raditimore, Md 	George Boyd, Potomac Manor, W. Va. David Ferrens, Lonaconing, Md. H. M. George, Continental Bldg, Balti- more Md res.
Dodson Bituminous Coal Corp. George Moreland Hamill Coal and Coke Co.	Bethlehem, Pa. Gormania, W. Va. Blaine, W. Va.	T. M. Dodson, Bethlehem, Pa. R. A. Smith, Blaine, W. Va.	E. L. Mack, Bethlehem, Pa. J. A. Shore, Blaine, W. Va.
Manor Coal Co. McCullough Coal Corp. Melvin Weimer	Johnstown, Fa. Friendsville, Md. Oakland, Md.	J. W. McCullough	F. C. McCullough
Michaels Coal Co. (Ezra) Morgart Coal Mining Co. Myers Coal Co.	Janrion, Md. Jannings, Md. Bloomington, Md.	W. A. Morgart J. A. Beachy	Louis A. Morgart C. A. Beachy
Penn-Maryland Colleries, Inc. Potomac Fuel Supply Co. A. G. Shrout A. G. Shrout	Bayard, W. Va. Dodson, Md. Piedmon, W. Va. Oakland, Md.	J. Warren Gates, Harrisburg, Pa. A. G. Smith, Meyersdale, Pa. R. J. Ross	J. W. Hartley, Meyersdale, Pa. J. B. Mullen, Piedmont, W. Va.
H. B. Smith Coal Co. Stever Coal Co. Wolf Den Coal Co.	Vindex, Md. Stever, Md. 17 Battery Place, New York City	V. T. Stever W. A. Marshall, New York City	J. D. Klein, New York City

 $\mathbf{34}$

FOR THE CALENDAR YEAR 1926

TONNAGE FOR ALLEGANY COUNTY, CALENDAR YEAR 1926

	Net Tons
Allegany Coal Company	5,787.07
Andrew Brode, Sr., and Son	640.00
Annan & Jeffries	53,805.17
Arch Michaels Coal Company.	1,379.00
Barton-Potomac Coal Company	1,112.00
C. C. Bennett	484.00
D. A. Benson	4,847.69
Big Vein Coal Company of Lonaconing	75,832.05
Brailer Mining Company.	3,303.00
Burtner Coal Mining Company	18,501.00
Campbell Bros. Fuel Mine	925.00
Campbell Coal Company.	195,617.07
Chapman Coal Mining Company	25,595.00
Charles Brunner Fuel Mine	30.00
Consolidation Coal Company	824,889.00
Darby Brady	491.00
David Yates	155.00
Douglas Waddell	1,832.05
Eagan Mine	695.00
Eckhart Fuel Mines	55.00
H. G. Evans	1,639.00
Frostburg Mining Company.	4,718.00
Edward McKinzie	1,019.00
George's Creek Barrellville Coal Co. (June to November, 1926)	7,735.02
George's Creek Barrellville Coal Co. (November-December, 1926)	2,498.05
George's Creek Coal Company, Inc.	110,117.00
George's Creek Coal Mining Company	214,294.05
Guy Helbig	220.00
Hanna Bros. Coal Company	208.00
Hoffa Bros. Coal Company	29,333.05
Howard & Maybury	1,697.00
John E. Smith	463.00
Koontz Coal Company	38,530.00
Langham & Boal	140.00
A. MacMannis	88.15
Marva Coal Company	14,603.12
Maryland Coal Company	103,783.15
McDonald Coal Company	18,046.00
McKee & Fuller Coal Company	1,628.00
McNitt Coal Company	65,830.00
Midlothian Coal Company	3,705.13
Moscow George's Creek Mining Company.	23,545.12
Mount Savage Fuel Company	9,337.00
Mt. Savage George's Creek Coal Company	65,050.00
Mt. Savage Mining Company	24,209.10
North Maryland Coal Mining Company	1.572.00
Old Colony Coal Company	3.021.00
Piedmont & George's Creek Coal Company	207,209.00
O. T. Porter Coal Company	377.08
Porter & Kreitzburg	1,378.00
M. W. Race	658.00
R. C. Roberts Coal Company, Inc.	2,416.00
Solomon Brode	344.00
Stanton George's Creek Coal Company	730.07
Steuart Coal Company	264.00

Sullivan Bros. Coal Company	46,883.00
Supply Coal Company	1,655.00
Union Mining Company	16,993.19
United Big Vein Coal Company	5,271.13
Vincent Engle & Son	1,495.00
Westernport Coal Company	19,684.19
William H. Barnes & Son	17.00
C. O. Workman	3,986.00
Total2	,272,375.10

TONNAGE FOR ALLEGANY COUNTY, CALENDAR YEAR 1926

Fire Clay Mines

	Net Tons
Andrew Ramsay Company Big Savage Fire Brick Company	1,327.00 14,649.97 11,138.00
Union Mining Company	43,733.16
Total	70 852 13

TONNAGE FOR GARRETT COUNTY, CALENDAR YEAR 1926

	Net Tons
W. D. Althouse & Company	22,048.04
Boyd Mining Company	71,386.00
Casselman Valley Coal Company	156.08
Davis Coal & Coke Company	230,685.02
Dodson Bituminous Coal Corporation	629.13
Earl Fazenbaker	189.00
George Moreland	718.00
Hamill Coal and Coke Company	72,685.00
Manor Coal Company	98,562.00
McCullough Coal Corporation	54,882.00
Melvin Weimer	1,326.00
Michaels Coal Company (Ezra)	1,643.00
Morgart Coal Mining Company	7,426.00
Myers Coal Company	4,257.08
G. C. Pattison	3,481.12
Penn-Maryland Collieries, Inc.	20,275.03
Potomac Fuel Supply Company	36,472.13
R. J. Ross Coal Mines, Inc.	90,553.15
A. G. Shrout	546.10
H. B. Smith Coal Company	2,200.00
Steyer Coal Company	400.00
Wolf Den Coal Company	86,780.10
Total	807,303.18

IMPROVEMENTS

Allegany County

- Chapman Coal Mining Company—Bakerstown Mine, New air outlet to surface opened; Big Vein Mine, Lump screens installed.
- Consolidation Coal Company-Mine No. 1, Slope mouth re-timbered with steel timber.
- George's Creek Coal Mining Co.—Sonny Mine, Sirocca double Inlet Fan and outside trackage.
- Mt. Savage & George's Creek Mining Co.—Installed fourth loading track and additional screening and cleaning machinery.

Garrett County

Wolf Den Coal Company-Re-wired mine with telephone.

DESCRIPTION OF MINES IN ALLEGANY COUNTY FOR THE CALENDAR YEAR 1926

ALLEGANY COAL COMPANY

Tacoma Mines Nos. 2, 4 and 5 are located on the west side of George's Creek at Franklin. Mine 4 has been abandoned. Mine No. 5 is located about 1 mile west of Westernport and during the period of this report became known as the R. C. Roberts Mine. These are drift openingss, working the Lower Kittanning and Bakerstown coal seams. Ventilation is produced by fan driven by electric motor.

During the calendar year 1926 the Bakerstown Mine employed 5 men, worked 104 days and produced 1,765.00 tons of coal. The Split Six or Kittanning mine employed 13 men, worked 77 days and produced 4,022.07 tons of coal.

ANDREW BRODE, SR., & SONS

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 1926 this mine employed 2 men, worked 164 days and produced 640.00 tons of coal.

ANNAN & JEFFRIES COAL COMPANY

Union No. 1

This mine 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. This mine is located on the C. & P. R. R.

During the calendar year 1926 this mine employed 46 men, worked $295\frac{1}{2}$ days and produced 38,273.18 tons of coal.

ANNAN & JEFFRIES COAL COMPANY

Union No. 2

W. H. R. Thomas, Superintendent and Foreman.

This mine is located at Zihlman and is a drift opening working the Big vein coal seam. 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. The mine is located on the C. & P. R. R.

During the calendar year 1926 this mine employed 19 men, worked $295\frac{1}{2}$ days and produced 15,531.19 tons of coal.

ARCH MICHAELS COAL COMPANY

This is an opening in the Bakerstown seam located about $1\frac{1}{4}$, miles above Reynolds on Mill Run. It is a wagon mine. Ventilation is by natural means and is found to be satisfactory.

During the calendar year this mine employed 4 men, worked 261 days and produced 1,379.00 tons of coal.

C. C. BENNETT

This is a new mine and is located about one mile east of Eckhart. It is a drift opening working the Big Vein coal seam. It is a small wagon mine supplying coal for domestic trade.

During the calendar year 1926 this mine employed 2 men, worked 86 days and produced 484.00 tons of coal.

D. A. BENSON

This Mine is located on the tram road of the Big Savage Fire Brick Co., about $1\frac{1}{2}$ miles northeast of Zihlman. It is a drift opening working the Freeport coal seam. This is a wagon mine supplying domestic trade. Ventilation is produced by a fan driven by an electric motor. Drainage is by natural means and found in a satisfactory condition.

During the calendar year 1926 this mine employed 6 men, worked 307 days and produced 4,847.69 tons of coal.

BIG VEIN COAL COMPANY OF LONACONING

Parker Mine

In December, 1925, this Company took over the Parker Mine, formerly of the George's Creek Barrellville Coal Company. Durthe year 1926 the mine was again operated by the George's Creek-Barrellville Coal Company and a description of the mine may be found under that Company.

During the time (January and February 1926) the Parker Mine was operated by the Big Vein Coal Company of Lonaconing, it employed 35 men, worked 38 days and produced 3,101.05 tons of coal.

BIG VEIN COAL COMPANY OF LONACONING.

Caledonia Mine

John	L. CaseySupe	erintendent
John	BradleyMine	e Foreman.

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

During the calendar year year 1926 this mine employed 20 men, worked 237 days and produced 15,103.05 tons of coal.

BIG VEIN COAL COMPANY OF LONACONING Elkheart Mine

John	L. Casey.	Super	intendent
Fred.	Beeman	Mine	Foreman

This mine is located on the C. & P. R. R. at Moscow on the west side of George's Creek. It is a drift opening working the Bakerstown coal seam. Ventilation is produced by an electrically driven fan.

During the calendar year 1926 this mine employed 18 men, worked 210 days and produced 9,520.10 tons of coal.

BIG VEIN COAL COMPANY OF LONACONING

Castle Run Mine

John L. Casey......Superintendent. Harrison Davis......Mine Foreman.

This mine is located on the Western Maryland Railway on the west side of George's Creek at Lonaconing. It is a drift opening working the Pittsburgh coal seam. Ventilation is produced by an electrically driven fan.

During the calendar year 1926 this mine employed 45 men, worked 287 days and produced 48,107,05 tons of coal.

BRAILER MINING COMPANY

Charles Winner_____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

FOR THE CALENDAR YEAR 1926

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. This mine is located on the C. & P. R. R.

This mine was abandoned during the year 1926 but during the period of its operation it employed 13 men, worked 61 days and produced 3,303.00 tons of coal.

BRYDON BROS. COAL CORPORATION.

Pekin Mine

This mine is on the C. & P. R. R. 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.

During the calendar year 1926 this mine was idle.

BRYDON BROS. COAL CORPORATION.

Coramandel Mine

This mine is on the Western Maryland Railway 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.

During the calendar year 1926 this mine was idle.

BRYDON BROS. COAL CORPORATION.

Moscow Mine

This mine is a drift opening in the Bakerstown coal seam, is on the C. & P. R. R., on the east side of George's Creek at Barton. Ventilation is produced by a fan driven by an electric motor and is found satisfactory.

During the calendar year 1926 this mine was idle.

BURTNER COAL MINING COMPANY, INC.

v.	Т.	Burtner	Sup	ertendent.
Т.	Α.	Harris	Mine	Foreman.

Burtner No. 6 mine is located on the west side of George's Creek near Franklin. It is a drift opening working the Bakerstown coal seam. This mine is developed on the double entry system; ventilation is produced by a large steam driven fan.

During the calendar year 1926 this mine employed 30 men, worked 243 days and produced 18,501.00 tons of coal.

CAMPBELL BROS. FUEL MINE

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 wagon mine and the coal is sold to domestic trade.

During the calendar year 1926 this mine employed 2 men, worked 172 days and produced 925.00 tons of coal.

CAMPBELL COAL COMPANY

Donald Mine

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

During the calendar year 1926 this mine employed 51 men, worked 161 days and produced 40,438.62 tons of coal.

CAMPBELL COAL COMPANY

Franklin Mines

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

During the calendar year 1926 the Big Vein mine employed 14 men, worked $142\frac{1}{2}$ days and produced 9,417.00 tons of coal; the Tyson mine employed 2 men, worked $41\frac{1}{2}$ days and produced 431.25 tons of coal; the Bakertown mine employed 41 men, worked $138\frac{1}{2}$ days and produced 29,071.10 tons of coal.

CAMPBELL COAL COMPANY

Hampshire Mines

Hampshire Mines, Nos. 2 and 3, are openings in the Bakerstown and Freeport coal seams, respectively, located near Reynolds. Ventilation is produced by a fan driven by an electric motor. Hampshire Big Vein Mine is located at Reynolds near Barton, this is a drift opening. Ventilation is by natural means and found to be satisfactory.

During the calendar year 1926 the Bakerstown mine (which was the only one of these mines operating) employed 117 men, worked $205\frac{1}{2}$ days and produced 116,255.10 tons of coal.

CHAPMAN COAL MINING COMPANY

Randolph Ashby_____Superintendent. Albert Frenzel_____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 in the Bakerstown mine is produced by a fan driven by an electric motor. Ventilation in the Pittsburgh mine is by natural means.

During the calendar year 1926 the Bakerstown mine employed 19 men, worked 169 days and produced 8,455.00 tons of coal; the Big Vein mine employed 23 men, worked 210 days and produced 17,140.00 tons of coal.

CHARLES BRUNNER

This is a new mine and located about 1 mile east of Eckhart. It is a drift opening working the Big Vein coal seam. It is a small wagon mine supplying coal for domestic trade.

During the calendar year 1926 this mine employed 1 man, worked 4 days and produced 30.00 tons of coal.

THE CONSOLIDATION COAL COMPANY

Maryland Division

G. M. Gillette, Manager......Frostburg, Md.

J. D. Snyder, Superintendent......Frostburg, Md.

The Maryland Division of this Company is in Allegany County. It is the largest operation in the State, operating 8 mines and working the Pittsburgh and Tyson coal seams. The general condition of these 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 1926 this Company in Maryland employed 853 men and produced 824,889.00 tons of coal.

CONSOLIDATION MINE NO. 1

This mine is located on the C. & P. R. R., 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 1926 this mine employed 96 men, worked 293 days and produced 100,078.00 tons of coal.

CONSOLIDATION MINE NO. 3

Alex. Neal	Mine	Foreman.
R. L. Edwards	Mine	Foreman.
Charles Shields	Asst.	Foreman.

This mine is located at Hoffman, $1\frac{1}{2}$ miles east of Frostburg, on the Eckhart branch of the C. & P. Railroad. It is a slope opening working the Pittsburgh or Big Vein coal seam 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.

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 1926 this mine employed 99 men, worked 304.3 days and produced 113,343.00 tons of coal.

CONSOLIDATION MINE NO. 4

Frank Carter	Mine	Foreman.
George Richardson Ass	t. Mine	Foreman.
John BarryAss	st. Mine	Foreman.

This mine is a slope opening working the Pittsburgh or Big Vein coal seam located at Eckhart. 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. This mine is located on the C. & P. Railroad.

During the calendar year 1926 this mine employed 74 men, worked 307 days and produced 89,869.00 tons of coal.

CONSOLIDATION MINE NO. 6

This mine is located at National on the C. & P. R. R. It is a 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 motors. The air is conducted to the working faces by over-casts, doors and brattices. Drainage is in a lawful condition. The roof is very dangerous, but the timbering is well looked after.

This mine was abandoned during the calendar year 1926.

CONSOLIDATION MINE NO. 9

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 calendar year 1926 this mine employed 110 men, worked 307 days and produced 119,280.00 tons of coal.

CONSOLIDATION MINE NO. 10

Frank Carter	Mine	Foreman.
Robert Ewing	Asst.	Foreman.
Jacob Seibert	Asst.	Foreman.
William Donahue	Asst.	Foreman.
Clyde Rowe	Asst.	Foreman.

This mine is located at Eckhart just west of Consolidation No. 4 on the Eckhart Branch of the C. & P. R. R. 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 being driven through 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.

During the calendar year 1926 this mine employed 244 men, worked 308.2 days and produced 195,978.00 tons of coal.

CONSOLIDATION MINE NO. 12

Alexander Neal_____Mine Foreman.

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.

During the calendar year 1926 this mine employed 156 men, worked 308.8 days and produced 175,831.00 tons of coal.

CONSOLIDATION MINE NO. 16

This mine is located about 2 miles east of Midland on the Eckhart Branch of the C. & P. R. R. 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 1926 this mine employed 39 men. worked 145.1 days and produced 21,034.00 tons of coal.

CONSOLIDATION COAL COMPANY

Mine No. 17

Robert Ewing Mine Foreman.

This mine is located at Lord, Md. It is a drift opening operating the Tyson or Sewickley coal seam and is developed on the doubleentry system. Ventilation is produced by an electrically driven fan and is conducted to the working faces by doors and stoppings. This is a new mine and had only a small production during the period of this report.

During the year 1926 this mine employed 35 men, worked 230 days and produced 9,476.00 tons of coal.

J. DADDYSMAN

This is a drift opening in the Bakerstown seam, located one-half mile northeast of Westernport. Ventilation is by natural means. During the calendar year 1926 this mine was idle.

FOR THE CALENDAR YEAR 1926

DARBY BRADY COAL MINES

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

During the calendar year 1926 this mine employed 2 men, worked 94 days and produced 491.00 tons of coal.

DOUGLAS WADDELL MINE

This mine is located on the east side of George's Creek at Lonaconing on the Western Maryland Railway. It is a drift opening working the Pittsburgh or Big Vein coal seam. Ventilation is by natural means.

During the calendar year 1926 this mine employed 3 men, worked 181 days and produced 1,832.05 tons of coal.

EAGAN MINING COMPANY

The Eagan Mine is located at Midland on the Western Maryland Railway. It is a drift opening working the Pittsburgh or Big Vein coal seam. Ventilation is by natural means.

During the calendar year 1926 this mine employed 3 men, worked 52 days and produced 695.00 tons of coal.

H. G. EVANS COAL COMPANY

Borden Mine is a wagon mine located at Borden near Frostburg. There are two drift openings working the Pittsburgh or Big Vein coal seam. Ventilation is produced by natural means. Drainage is also by natural means and is in a lawful condition. The roof is of a dangerous character and requires a great deal of attention to keep it safe.

During the calendar year 1926 this mine employed 5 men, worked 114 days and produced 1,639.00 tons of coal.

FROSTBURG BIG VEIN COAL COMPANY

This mine is located at Zihlman on the C. & P. R. R. It has a number of openings in the Pittsburgh and Tyson coal seams. Ventilation is produced by electrically driven fans.

During the calendar year 1926 this mine was idle.

FROSTBURG MINING COMPANY

Frank H. Spates......Superintendent and Mine Foreman.

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

During the calendar year 1926 this mine employed 8 men, worked 295 days and produced 4,718.00 tons of coal. GEORGE'S CREEK AND BARRELLVILLE COAL COMPANY

Parker Mine

Sheridan Means......Supt. and Mine Foreman.

Parker Mine is located at Barrellville, 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 is on the C. & P. R. R.

This mine was operated by the Big Vein Coal Company of Lonaconing during January and February of 1926 after which it was operated by the former operators, the George's Creek and Barrellville Coal Company.

From June to November 1926 this mine employed 21 men. worked 115 days and produced 7,735.02 tons of coal. During November and December, 1926, this mine employed 30 men, worked 32 days and produced 2,498.05 tons of coal.

GEORGE'S CREEK COAL COMPANY, INC.

John R. Hamilton	Superintendent.
Robert Todd (Mines 1-4)	Mine Foreman.
Clarkson Laird (Big Vein and	Tyson) Mine Foreman.
John D. Robertson (Waynesburg	g)
Richard Moffatt (Waynesburg)	Mine Foreman.

Mines Nos. 1 and 4 are located on the west side of the George's Creek at Lonaconing on the Western Maryland Railway. 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 on the Western Maryland Railway.

Mine No. 3, Waynesburg, is located on the Western Maryland Railway on the west side of George's Creek. It is a drift opening working the Waynesburg coal seam. It is equipped with an electrically driven fan and the conditions are usually good. This mine

 $\mathbf{48}$

has been idle for the past few years and just recently started operating. It is equipped with electric motors and mining machines.

During the calendar year 1926 the production was as follows:

Sewickley No. 2 Mine employed 17 men, worked 259 days and produced 15,534.00 tons of coal;

Sewickley No. 2 Mine employed 62 men, worked 256 days and produced 63,096.00 tons of coal;

Waynesburg No. 3 Mine employed 27 men, worked 159 days and produced 12,209.00 tons of coal;

Pittsburgh No. 2 Mine employed 18 men, worked 263 days and produced 19,278.00 tons of coal.

GEORGE'S CREEK COAL MINING COMPANY

Mine No. 1

This mine is located at Lonaconing on the Western Maryland Railway, working the Tyson or Sewickley coal seam. 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 satisfactory condition.

During the calendar year 1926 this mine was idle.

GEORGE'S CREEK COAL MINING COMPANY

Mine No. 2

This mine, known also as the Waynesburg mine, is located on the Western Maryland Railway at Lonaconing. It is a drift opening working the Waynesburg coal seam. Ventilation is by natural means and is found to be in a satisfactory condition.

During the calendar year 1926 this mine was idle.

GEORGE'S CREEK COAL MINING COMPANY

Sonny Mine No. 1

J . W.	Woomer	General Supe	rintendent.
Frank	Quinn	Min	e Foreman.
Ed. G	. Atkinson	Mine	e Foreman.

This mine is located at Lonaconing 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

50

spared to comply with the law. This mine is on the Western Maryland Railway.

During the calendar year 1926 this mine employed 251 men worked 250 days and produced 214,294.05 tons of coal.

GREEN'S COAL COMPANY

This mine is on the Western Maryland Railway 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.

During the calendar year 1926 this mine was idle.

J. O. J. GREEN COAL COMPANY

This is an opening in the Bakerstown seam. Ventilation is produced by a fan driven by a gasoline motor. The mine is located about $1\frac{1}{2}$ miles above Reynolds on Mill Run.

During the calendar year 1926 this mine was idle.

GUY HELBIG FUEL MINE

Guy Helbig.....Owner and Foreman.

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

During the calendar year 1926 this mine employed 2 men, worked 45 days and produced 220.00 tons of coal.

HANNA BROS. COAL COMPANY

James A. Hanna Mine Foreman.

This is a wagon mine 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 1926 this mine employed 2 men, worked 50 days and produced 208.00 tons of coal.

FOR THE CALENDAR YEAR 1926

HOFFA BROS. COAL COMPANY

Phoenix Mine No. 2 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 C. & P. R. R. Ventilation is by natural means.

During the calendar year 1926 this mine employed 43 men, worked 209 days and produced 29,333.05 tons of coal.

HOWARD & MAYBURY COAL COMPANY

Kern Mine is a drift opening near Barton in the Bakerstown seam, $\frac{1}{2}$ mile above Reynolds on Mill Run. Ventilation is by fan driven by gasoline engine. This is a wagon mine.

During the calendar year 1926 this mine employed 3 men, worked 201 days and produced 1,697.00 tons of coal.

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 motor.

During the calendar year 1926 this mine was idle.

KOONTZ COAL COMPANY

McKee No. 2

Robert Shaw......Superintendent. Walter Kallmyer.....Mine Foreman.

This mine is located about 1 mile west of Lonaconing on the Western Maryland Railway, 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 1926 this mine employed 44 men, worked 248 days and produced 38,530.00 tons of coal.

52

LANGHAM & BOAL

Herbert Langham Mine Foreman.

This mine 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 1926 this mine produced 140 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 on the Western Maryland Railway. It is a drift opening working the Little Pittsburgh coal seam. Ventilation is produced by natural means.

During the calendar year 1926 this mine was idle.

McDONALD COAL COMPANY

Arcadia Mine is an opening in the Bakerstown coal seam located on the west side of George's Creek, near Barton on the C. & P. R. R. Ventilation is produced by a fan driven by an electric motor.

During the calendar year 1926 this mine employed 25 men, worked 203 days and produced 18,046.00 tons of coal.

MCKEE & FULLER COAL COMPANY

No. 1 Mine is a wagon mine located at Lord, Md. It is a drift opening working the Pittsburgh coal seam. This mine was opened in June, 1925 and it is expected to reclaim some of the pillar coal left in the first working. The coal is hauled by wagon and trucks to the C. & P. R. R. at Woodland where it is loaded into railroad cars for shipment.

During the calendar year 1926 this mine employed 4 men, worked 247 days and produced 1,628.00 tons of coal.

McNITT COAL COMPANY

James Jenkins Superintendent. John Fatkin Mine Foreman.

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

FOR THE CALENDAR YEAR 1926

During the calendar year 1926 this mine employed 85 men, worked $255\frac{1}{2}$ days and produced 65,830.00 tons of coal.

A. MacMANNIS

Andrew MacMannis Mine Foreman.

Mountain Mine is located on the Union Mining Company's tramroad about 2 miles northeast of Mt. Savage. It is a drift opening; ventilation is by natural means. This is a wagon mine and was formerly operated by the Union Mining Company.

During the calendar year 1926 this mine employed 2 men, worked $18\frac{1}{2}$ days and produced 88.15 tons of coal.

MARVA COAL COMPANY

Jos. G. Martin.....Superintendent and Mine Foreman.

Pine Hill Mine is located on the Western Maryland Railway near Lonaconing 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 1926 this mine employed 15 men, worked 193 days and produced 14,603.12 tons of coal.

MARYLAND COAL COMPANY

L. B. Stevens	Super	intendent.
Felix Foot	Mine	Foreman.
William Turnbull	Asst.	Foreman.
Harold Morgan	.Asst.	Foreman.

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

Mine No. 2 is a drift opening working the Pittsburgh or Big Vein coal 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.

During the calendar year 1926 the Big Vein mine employed 102 men worked 230 days and produced 99,058.14 tons of coal; The Tyson mine employed 24 men, worked 68 days and produced 4,725.-01 tons of coal.

METZ BROS. COAL COMPANY

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

During the calendar year 1926 this mine was idle.

MIDLOTHIAN COAL COMPANY

This Company's mines are located on the C. & P. R. R. 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 1926 the Big Vein or Barnes No. 3 mine employed 4 men, worked 10 days and produced 164.00 tons of coal; the Tyson No. 1 mine employed 4 men, worked 226 days and produced 3,541.13 tons of coal.

MOSCOW-GEORGE'S CREEK COAL COMPANY

Edward R. Brennan.......Mine Foreman No. 3. Edward Shaw......Mine Foreman, No. 1 & No. 2.

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 a fan driven by electric motor. In the Pittsburgh or Big Vein it is produced by natural means.

During the calendar year 1926 production was as follows: No. 1 or Big Vein mine, employed 8 men, worked 237 days and produced 8,799.84 tons of coal; No. 2 or Big Vein employed 8 men, worked 237 days and produced 11,907.84 tons of coal; No. 3 or Bakerstown employed 9 men, worked 141 days and produced 2,830.24 tons of coal.

MOUNT SAVAGE FUEL COMPANY

Lawrence BarthSuperintendent. Robert Andrews.......Mine Foreman.

This mine is located at Mt. Savage and is a drift opening on the C. & P. R. R., 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 1926 this mine employed 17 men worked 221 days and produced 9,337.00 tons of coal.

.54

FOR THE CALENDAR YEAR 1926

MT. SAVAGE AND GEORGE'S CREEK COAL COMPANY

H. B. A	very	Mine	Foreman.
William	Eisel	Asst.	Foreman.
Melvin	Reed	Asst.	Foreman.

Mine No. 1 is located at George's Creek Village on the main line of the C. & P. 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 1926 this mine employed 83 men, worked 253 days and produced 65,050 tons of coal.

MT. SAVAGE MINING COMPANY

Jos. Jenkins.......Superintendent and Mine Foreman.

Liberty Mine is located at Mt. Savage on the C. & P. R. R. It is a drift opening working the Maynadier coal seam. Ventilation is produced by an electrically driven fan.

During the calendar year 1926 this mine employed 31 men, worked 257 days and produced 24,209.10 tons of coal.

NORTH MARYLAND COAL MINING COMPANY

This mine is located at Montell on the Western Maryland Railway, working the Lower Kittanning coal seam. The working conditions of this mine is very difficult owing to the heavy grade but it is kept in a lawful condition. This mine was abandoned during the year 1926.

During the calendar year 1926 this mine employed 8 men, worked 109 days and produced 1,572.00 tons of coal.

OLD COLONY COAL COMPANY

Nos. 1 and 2 Mines are located at Moscow. They are drift openings working the Bakerstown coal seam. Ventilation is produced by a fan driven by an electric motor.

During the calendar year 1926 this mine employed 7 men, worked 102 days and produced 3,021.00 tons of coal.
PIEDMONT & GEORGE'S CREEK COAL COMPANY Washington No. 1

J. A. Cosgrove______Superintendent. William Brophy_____Mine Foreman.

This mine is located on the west side of George's Creek near Franklin on the C. & P. R. R. 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 1926 this mine employed 28 men, worked 151 days and produced 17,068.00 tons of coal.

PIEDMONT & GEORGE'S CREEK COAL COMPANY

Washington No. 2

Martin Condry_____Mine Foreman.

This mine is located at Eckhart on the Eckhart Branch of the C. & P. R. R. It is a drift opening working the Big Vein and Red Stone coal seam.

During the calendar year 1926 this mine was idle.

PIEDMONT & GEORGE'S CREEK COAL COMPANY

Washington No. 5

John	WallaceMine	Foreman.
John	HughesMine	e Foreman.

This mine is located near Franklin on the C. & P. R. R. 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 1926 this mine employed 56 men, worked 214 days and produced 54,090.00 tons of coal.

PIEDMONT & GEORGE'S CREEK COAL COMPANY

Bowery Furnace No. 1

This mine is located at Midlothian, working the Redstone seam of coal. It is located on the C. & P. R. R. Ventilation is produced by a fan driven by an electric motor.

During the calendar year 1926 this mine was idle.

PIEDMONT & GEORGE'S CREEK COAL COMPANY

Bowery Furnace No. 2

Harry Hitchins		.Super	intendent.	
Oscar Huber	Asst.	Mine	Foreman.	
George Albright	Asst.	Mine	Foreman.	
James Taylor	Asst.	Mine	Foreman.	

This mine is located at Midlothian on the C. & P. R. R., 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 1926 this mine employed 130 men, worked 296 days and produced 136,051.00 tons of coal.

O. T. PORTER COAL COMPANY

This mine is located near Barton and is a wagon mine supplying domestic trade. It is a drift opening working the Bakerstown coal seam. Ventilation is produced by natural means.

During the calendar year 1926 this mine employed 1 man, worked 78 days and produced 377.08 tons of coal.

PORTER & KREITZBURG COAL COMPANY

Porter Mine

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

During the calendar year 1926 this mine employed 4 men, worked 145 days and produced 1,378.00 tons of coal.

POTOMAC & CUMBERLAND COAL COMPANY

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

During the calendar year 1926 this mine was idle.

M. W. RACE

M. W. Race_____Superintendent.

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

During the calendar year 1926 this mine employed 3 men, worked 137 days and produced 658.00 tons of coal.

REESE HARRIS FUEL MINE

Harris Mine is located at Grahamtown near Frostburg. It is a drift opening working the Upper Tyson coal seam.

This mine was abandoned during the calendar year 1926 and produced no coal.

SCHRAMM & DAVIS COAL COMPANY

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.

During the calendar year 1926 this mine was idle.

SHAW MINING COMPANY

This mine is an opening in the Franklin coal seam, located at Moscow on the C. & P. R. R. Ventilation is by natural means. During the year 1926 this mine was idle.

SMITH COAL COMPANY

Speir Mine is a wagon mine 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 a fan driven by gasoline motor and is found to be in a very satisfactory condition.

During the calendar year 1926 this mine was idle.

SOLOMON BRODE FUEL MINE

Solomon BrodeOwner.

Brode Mine is a wagon mine located on 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 1926 this mine employed 3 men, worked 65 days and produced 344.00 tons of coal.

STANTON & GEORGE'S CREEK COAL COMPANY

Stanton's Mine is located on the Eckhart Branch of the C. & P. R. R. on the west side of Braddock's Run, one 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.

During the year 1926 this mine employed 4 men, worked 72 days and produced 730.07 tons of coal.

STEWART COAL COMPANY

This is known as the New Griffith Mine, the Old Griffith mine having been abandoned during the year 1925 due to encountering faults. It is a wagon mine and is located about 1 mile west of Mt. Savage. It is a drift opening working the Big Vein coal seam.

During the year 1926 this mine employed 2 men, worked 3 days and produced 264.00 tons of coal.

SULLIVAN BROS. COAL COMPANY

John Sullivan Superintendent. Bernard D. Byrnes Mine Foreman.

Sullivan No. 1 mine is located near Eckhart on the Eckhart branch of the C. & P. R. R. 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. During the year 1926 this mine was idle.

Sullivan Mine No. 3 is located on the Eckhart Branch of the C. & P. R. R., at Clarysville, 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 year 1926 No. 3 mine employed 57 men, worked 201 days and produced 46,883.00 tons of coal.

SUPPLY COAL COMPANY

This mine is located at Barton on the Hoffa Bros. Tram road. It is a drift opening working the Bakerstown coal seam. Ventilation is by natural means. This is a small wagon mine.

During the year 1926 this mine employed 3 men, worked 145 days and produced 1,655.00 tons of coal.

UNION MINING COMPANY

Union No. 3

Joseph Finzel______Superintendent. Albert Deffenbaugh_____Mine Foreman.

This mine is located at Mt. Savage working the Maynadier coal seam. It is located on the C. & P. R. R. 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 year 1926 this mine employed 57 men, worked 254 days and produced 16,993.19 tons of coal.

UNION MINING COMPANY

Brick Yard Mine

Clarence Fletcher Mine Foreman.

This mine is located at Mt. Savage on the C. & P. R. R. It is a drift opening, working the Maynadier coal seam. Ventilation is produced by an electrically driven fan and is found to be in a satisfactory condition.

This mine was abandoned during the year 1925.

UNITED BIG VEIN COAL COMPANY

H. W. Rov	ve	Super	intendent.
Frederick	Rowe	Mine	Foreman.

This mine is located west of Mt. Savage on the C. & P. R. R. It 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 year 1926 this mine employed 23 men, worked 74 days and produced 5,271.13 tons of coal.

VINCENT ENGLE & SONS COAL COMPANY

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

During the year 1926 this mine employed 4 men, worked 163 days and produced 1,495.00 tons of coal.

WESTERNPORT COAL COMPANY

George Daily_____Mine Foreman, No.1 Ernest Schell_____Mine Foreman, No. 2

These mines are located at Franklin. They are drift openings working the Lower Kittanning and Bakerstown coal seams. Ventilation is produced by an electric fan.

During the year 1926 the Kittanning opening employed 21 men. worked 167 days and produced 13,727.15 tons of coal; the Bakerstown opening employed 15 men, worked $1801/_{2}$ days and produced 5,957.04 tons of coal.

WEST VIRGINIA PULP AND PAPER COMPANY Devon Mine

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 year 1926 this mine was idle.

WILLIAM H. BARNES FUEL MINE

Barnes Fuel Mine is located at Midlothian and is a wagon mine. 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 been mined for several years until 1924 and is working the outcrops.

During 1926 this mine employed 1 man, worked 5 days and produced 17.00 tons of coal.

WORKMAN COAL COMPANY

C. O. Workman Mine Foreman.

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

During the year 1926 this mine employed 6 men, worked 277 days and produced 3,986.00 tons of coal.

DESCRIPTION OF FIRE CLAY MINES IN ALLEGANY COUNTY CALENDAR YEAR 1926

THE ANDREW RAMSAY FIRE CLAY COMPANY

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. This mine is located on the B. & O. R. R.

During the calendar year 1926 this mine employed 5 men, worked 249 days and produced 1,327 tons of fire clay.

BIG SAVAGE FIRE BRICK COMPANY

Clarence Raley_____Mine Foreman.

These mines are located on the Big Savage Mountain about three miles northwest of Frostburg. It is a drift opening working the fire clay seam. Ventilation is produced by natural means.

During the year 1926 this mine employed 23 men, worked 308 days and produced 14,649.97 tons of fire clay.

SAVAGE MOUNTAIN FIRE BRICK COMPANY

G. A. Shuckhart_____Superintendent. 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 year 1926 this mine employed 21 men, worked 301 days and produced 11,138.00 tons of fire clay.

UNION MINING COMPANY

S. J. Aldom	
Joseph Finzel	
William Werner	Mine Foreman.
William Baker	Mine Foreman.

This Company's fire clay mines are located about three miles west of Mt. Savage on Savage Mountain. They are drift openings, working the fire clay seam. Ventilation is produced by a fan.

During the year 1926, opening No. 6 employed 71 men, worked 275 days and produced 30,017.00 tons of fire clay; Opening No. 1 employed 10 men, worked 281 days and produced 4,398.10 tons of fire clay; opening No. 7 employed 16 men, worked 277 days and produced 8,957.06 tons of fire clay; opening No. 10 employed 6 men, worked 47 days and produced 361.00 tons of fire clay.

DESCRIPTION OF MINES IN GARRETT COUNTY CALENDAR YEAR 1926

ABERDEEN COAL COMPANY

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

During the year 1926 this mine was idle.

W. D. ALTHOUSE & COMPANY

J. T. Jordan Mine Foreman.

Georgian Mine is located about one 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 year 1926 this mine employed 24 men, worked 248 days and produced 22,048.04 tons of coal.

BLOOMINGTON COAL COMPANY

Brookville Mine is an opening in the Brookville seam on the main line of the Baltimore & Ohio Railroad, near Bloomington, Md. During the year 1926 this mine was idle.

BLOOMINGTON COAL COMPANY

Mine No. 4

This mine 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 year 1926 this mine was idle.

BOYD 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. This was formerly the Blaine Mining Company.

During the year 1926 this mine employed 94 men, worked 188.5 days and produced 71,386.00 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 year 1926 this mine was idle.

CASSELMAN VALLEY COAL MINING COMPANY

R. Wilburn Mine Foreman.

This mine is located on the Casselman Valley Railroad near Jennings. It is a drift opening working the Bakerstown coal seam. Ventilation is produced by natural means. During the year 1926 this mine employed 12 men, worked 11

days and produced 156.08 tons of coal.

DAVIS COAL AND COKE COMPANY

No. 42

Oscar	Wolfe	Mine Foreman.
E. G.	King	Assistant Foreman.
L. M.	Hellyer	Fire Boss.
Mike I	Morris	Fire Boss.

This mine is located at Kempton. It 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 year 1926 this mine employed 162 men, worked 259 days and produced 230,685.02 tons of coal.

EARL FAZENBAKER

Earl Fazenbaker_____Mine Foreman.

This is a wagon mine and 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 year 1926 this mine employed 2 men, worked 68 days and produced 189.00 tons of coal.

ELK RUN COAL COMPANY

(Formerly Monroe Coal Mining 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 Maryland Railway. They are drift openings, working the Bakerstown and Lower Kittanning coal seams. Ventilation is produced by fans driven by a steam engine.

During the year 1926 this mine was idle.

GEORGE MORELAND

Table Rock Mine

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

During the year 1926 this mine employed 2 men, worked 108 days and produced 718.00 tons of coal.

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. During the year 1926 this mine was idle.

HAMILL COAL & COKE COMPANY

J. J. Walker_____Mine Foreman (Kittanning Mine) William Hartley_____Mine Foreman (Freeport Mine)

These mines are located about one mile south of Kitzmiller on the main line of the Western Maryland Railway. They consist of two openings working the Kittanning and Freeport coal seams. Ventilation is produced by a fan.

During the year 1926 the Freeport mine employed 29 men, worked 212 days and produced 22,495.00 tons of coal; the Kittanning Mine employed 61 men worked 212 days and produced 50,190.00 tons of coal.

McCULLOUGH COAL CORPORATION

Chris. Roberts.....Superintendent and 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 a very good condition. This mine is located on the Kendall Branch of the Baltimore and Ohio Railroad.

During the year 1926 this mine employed 36 men, worked 288 days and produced 54,882.00 tons of coal.

McMAHON BROS.

Yoder Mine

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

During the year 1926 this mine was idle.

MANOR COAL COMPANY

Mine No. 1

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

During the year 1926 this mine employed 68 men, worked $201\frac{1}{2}$ days and produced 60,251.00 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 three miles east of Kitzmiller. It is a drift opening, working the Clarion seam. Ventilation is produced by an electrically driven fan.

During the year 1926 this mine employed 36 men, worked 1993/4 days and produced 38,311.00 tons of coal.

MARYLAND SMOKELESS FUEL COMPANY

Yommer Mine of this Company is located on the Cassellman Valley Railroad near Jennings, Md. It is a drift opening working the Bakerstown or Honeycomb coal seam. Ventilation is produced by a fan driven by a gasoline motor.

During the year 1926 this mine was idle.

MELVIN WEIMER

This is a small wagon mine located near Oakland. 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 year 1926 this mine employed 5 men, worked 195 days and produced 1,326.00 tons of coal.

(EZRA) MICHAELS COAL COMPANY

Ezra Michaels______Mine Foreman.

This is a wagon mine opening in the Bakerstown coal seam located about $1\frac{1}{2}$ miles above Reynolds on Mill Run. Ventilation is produced by a fan driven by a gasoline motor.

During the year 1926 this mine employed 2 men, worked 160 days and produced 1,643.00 tons of coal.

R. W. MILLER COAL MINES

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.

During the year 1926 this mine was idle.

MORGART COAL MINING CORPORATION

Louis	A. Morgart	Super	intendent
Arch	Stewart	Mine	Foreman
W. J.	Kyle	Mine	Foreman

Mines 1, 2 and 5 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. Mine No. 5 was formerly worked by George Hoover. These mines are located on the Casselman Valley Railroad.

During the year 1926 production was follows: Mine No. 1 employed 18 men, worked 140 days and produced 5,125.00 tons of coal; Mine No. 2 employed 14 men, worked 50 days and produced 1,132.00 tons of coal, and Mine No. 5 employed 9 men, worked 135 days and produced 1,169.00 tons of coal.

MEYERS COAL COMPANY

Norman Patton Mine Foreman. J. A. Beachy Mine Foreman.

Beachy Mine is a wagon mine located about $\frac{1}{2}$ 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 year 1926 this mine employed 6 men, worked 206.5 days and produced 4,257.08 tons of coal.

G. C. PATTISON

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 year 1926 this mine employed 8 men, worked 131 days and produced 3,481.12 tons of coal.

PENDERGAST & ASHBY

Mines No. 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 in a very satisfactory condition.

During the year 1926 this mine was idle.

PENN-MARYLAND COLLIERIES, INC.

J. E. Cutchall 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 originally known as the McKanwig Coal Company, after which it became known as Cutchall and Gates and finally by the above name.

During the year 1926 this mine employed 26 men, worked 268 days and produced 20,275.03 tons of coal.

POTOMAC FUEL & SUPPLY COMPANY

(Formerly Garrett County Coal and Mining Co.)

Willia	m Lemon	Mine	Foreman.
Owen	Keegan	Mine	Foreman.

Dodson Mines, Nos. 1, 3, 6 and 8 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. During the period of this report Opening No. 3 was abandoned and No. 8 was opened in the Upper Kittanning.

During the year 1926 the Lower Kittanning opening employed 57 men, worked 183 days and produced 35,578.16 tons of coal; the Upper Kittanning opening employed 5 men, worked 44 days and produced 893.17 tons of coal.

POTOMAC VALLEY COAL COMPANY

Louise Mine

Dan. Walker, Sr......Mine Foreman.

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

During the year 1926 this mine was idle.

POTOMAC VALLEY COAL COMPANY

Peerless Mine

Dan. Walker, Sr......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 year 1926 this mine was idle.

R. J. ROSS COAL MINES, INC.

L. R. Kight	Supei	rintendent
Luther Evans	Mine	Foreman
J. P. Guy	Mine	Foreman.

This mine is located near Bloomington on a branch of the Western Maryland Railway. It is a drift opening working the Bakerstown coal seam. Ventilation is produced by a fan driven by an electric motor.

During the year 1926 this mine employed 107 men, worked 283 days and produced 90,553.15 tons of coal•

A. G. SHROUT

This is an opening located three miles west of Oakland. Ventilation is by natural means. It is fuel mine and the coal is delivered by wagon.

During the year 1926 this mine employed 2 men, worked 186 days and produced 546.10 tons of coal.

H. B. SMITH COAL COMPANY

H. B. Smith_____Superintendent.

This is the Trout Mine leased from the Hamill Coal and Coke Company, and has two openings; it is located at Vindex on the Chaffee Branch Railroad, working the Kittanning and Clarion seams of coal. The Clarion seam was not worked during the period of this report.

During the year 1926 this mine employed 14 men, worked 51 days and produced 2,200.00 tons of coal.

STANDARD COAL COMPANY

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

During the year 1926 this mine was idle.

C. E. STANTON COAL COMPANY

C. E. Stanton_____Mine Foreman.

This mine is located at Jennings on the Casselman Valley Railroad.

During the year 1926 this mine was idle.

U. M. STANTON COAL MINES

U. M. Stanton_____Mine Foreman.

This mine is located on the Casselman Valley Railroad near Jennings, Md. It is a drift opening working the Bakerstown or Honeycomb coal seam.

During the year 1926 this mine was idle.

TRI-STATE CONSOLIDATED COAL COMPANY

Tri-State No. 1 is located near Jennings on the Casselman Valley R. R. It is a drift opening working the Bakerstown or Honeycomb 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 year 1926 this mine was idle.

WOLF DEN COAL COMPANY

Ho	wa	rd M	[arshall		Superi	intendent.
J.	В.	Jame	S		Mine	Foreman.
G.	D.	Parri	ish	Assistant	Mine	Foreman

Wolf Den Mine is located at Shallmar on the Western Maryland Railway. It 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 year 1926 this mine employed 93 men, worked 200 days and produced 86,780.10 tons of coal.

YOUGH COAL COMPANY

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

During the year 1926 this mine was idle.

PROSECUTIONS

On July 11, 1925, a miner was fined \$10.00 and costs, which costs amounted to \$9.00, for having smoking articles in his possession while in a closed light mine.

It is worthy of note that this miner, after being notified by the Superintendent of the Superintendent's intention to make complaint, went to a local constable and asked to be taken to the office of the Justice of the Peace, which was done, and the miner pleaded guilty.

The report of this violation was inadvertently omitted from the 1925 report.

On April 10, 1926, two men were reprimanded but no fine was imposed for riding on loaded cars in a mine, which is in violation of Chapter 13, Section 93.

On June 8, 1926, a mine foreman was fined \$25.00 and costs, or a total of \$29.40, for violation of Chapter 13, Section 91, which provides for clearance on haulage ways.

On June 5, 1926, a miner was fined \$10.00 and costs of \$4.10 for violation of Chapter 13, Section 94, covering the travel on haulage slopes.

On December 23, 1926, a miner was fined \$100.00 and costs, the costs being \$13.05, for violation of Chapter 23, Section 158, the offense being commonly known as changing tags on mine cars.

SAFETY ORDER

Safety Order was issued November 27th, 1926, by District Mine Inspector calling attention to insufficient ventilation in a certain mine and giving notice that unless this ventilation was promptly and properly attended to, action would be taken to close down the mine. The situation was remedied immediately.

MINE RESCUE AND FIRST AID

The Maryland Bureau of Mines has continued to give instruction in Mine Rescue and First Aid. District Mine Inspector John B. Watkins gave a course in Mine Rescue and First Aid during the Short Course for Coal miners conducted at Frostburg.

The Bureau co-operated with the Mine Rescue Car of the United States Bureau of Mines, Mine Foreman W. G. Halbert and First Aid Miner Geo. H. Williams, bringing the Car to the District in February and giving training at Mt. Savage, Frostburg, Lonaconing and Barton. The following men received training:

FROSTBURG, MD., FIRST AID, MARCH 1 TO 5, 1926

John J. Brady, Engineer	Mt. Savage & George's Creek Coal Co.
John Bahen, Laborer,	
Wm. R. Eisel, Mine Foreman	
Frank C. Largent, Miner	
Argel Wilson, Laborer	McNitt Coal Co.
Thomas Parise, Miner	Consolidation Coal Co.
Walter Festerman, Miner	Consolidation Coal Co.
Harry Haberlein, Miner	Piedmont & George's Creek Coal Co.
James A. Weisenborn, Asst. Foreman	
Walter E. Timmons, Laborer	Consolidation Coal Co.
Archie Davis, Laborer	Consolidation Coal Co.
Marshall Beal, Laborer	Consolidation Coal Co.
George Fatkin, Miner	McNitt Coal Co.
Joseph E. Fatkin, Miner	McNitt Coal Co.
Charles M. McFarlane, Miner	Consolidation Coal Co.
Samuel J. Filer, Miner	Consolidation Coal Co.
George J. Carter, Miner	Consolidation Coal Co.
Noah B. Close, Engineer	Consolidation Coal Co.
Annan G. Myers Laborer	Consolidation Coal Co.
William A Meek, Laborer	Consolidation Coal Co.
Walter T. Williams Laborer	McNitt Coal Co.
Arthur Lancaster Miner	Consolidation Coal Co.
William L. Lancaster Miner	Consolidation Coal Co.
Charles A Wade Miner	Consolidation Coal Co.
Robert C Kegan Laborer	Consolidation Coal Co.
Joseph Huber Laborer	Piedmont & George's Creek Coal Co.
Harold C Meek Laborer	Consolidation Coal Co.
Cront Hitching Laborer	Piedmont & George's Creek Coal Co.
James H Hughes Miner	Consolidation Coal Co.
Daniel Lloyd Miner	Consolidation Coal Co.
*Walter C Tinnen Laborer	Piedmont & Ceorge's Creek Coal Co.
*William I Donohua Asst Foreman	Consolidation Coal Co.
*Oscor Huber Asst Foreman	Piedmont & George's Creek Coal Co.
*User Huber, Asst. Foreman	Biedmont & George's Creek Coal Co.
*Wiston Mangon Laborer	Consolidation Coal Co.
Victor Meager, Laborer	Consolidation Coal Co.
*Gerry Lloyd, Miller	MaNitt Caal Co.
"George Tennant, Laborer	Consolidation Coal Co.
*Frank Madero, Laborer	Consolidation Coal Co.
*Geo. W. McLuckie, Fireman	
John Fatkin, Foreman	McNitt Coal Co.
Clarence J. Powers, Foreman	George's Creek Coal Co., Inc.
*David Wiebrecht, Miner	Consolidation Coal Co.
*James H. Close, Foreman	Consolidation Coal Co.
*John L. Casey, Superintendent	

FROSTBURG, MINE RESCUE TRAINING

*Thomas F. Lewis, Engineer	Consolidation	Coal Co.
*Samuel T. Walker, Engineer	Consolidation	Coal Co.
*Charles P. Bruner, Motorman	Consolidation	Coal Co.
*Clyde J. Rowe, Foreman	Consolidation	Coal Co.
*Samuel J. Long, Miner	Consolidation	Coal Co.
*Albert C. Sandvick, Miner	Consolidation	Coal Co.
*John S. Hartig, Foreman	Consolidation	Coal Co.
*Richard Hawkins, Foreman	Consolidation	Coal Co.
*Hubert Long, Miner	Consolidation	Coal Co.
*Elmer S. Kight, Foreman	Consolidation	Coal Co.

*Carson Hyde, Miner	Consolidation Coal Co.
*Thomas Powell, Engineer	Consolidation Coal Co.
*Allen I. Dennison, Miner	
*S. Graff Haverstick, Engineer	
*Fred Riffle, Nipper	Consolidation Coal Co.
*William H. Rephorn, Foreman	
*Robert D. Ewing, Foreman	
*Gershon M. Anthony, Foreman	
*Frank Carter, Foreman	Consolidation Coal Co.
*Harold Kallmyer, Miner	
*Thomas McKernan, Engineer	Piedmont & George's Creek Coal Co.
*George B. Allbright, Foreman	Piedmont & George's Creek Coal Co.
John Ruge, Miner	
Clifton Hitchens, Mechanic	Piedmont & George's Creek Coal Co.
Philip Hartig, Jr., Engineer	Piedmont & George's Creek Coal Co.
	5

FROSTBURG, FIRST AID, MARCH 8 TO 12, 1926

Morris A. Lee, Motorman	Consolidation Coal Co.
Joe Greco, Laborer	Consolidation Coal Co.
Charles P. Wolfe, Mine Foreman	At. Savage Fire Brick Co.
Charles C. Laurie, Miner	
Tony Urbas, Miner	Consolidation Coal Co.
Lawrence T. James, Student	Consolidation Coal Co.
John A. Hughes, Bricklayer	J. W. Smith Co.
John Filer, Miner	Consolidation Coal Co.
Alfred W. Densmore, Miner	Consolidation Coal Co.
William R. Pape, Miner	
Earl F. Brain, Teacher	
Joseph A. Stowell, Fireman	Consolidation Coal Co.
John A. Kidwell, Miner	Consolidation Coal Co.
John N. Powers, Timberman	Consolidation Coal Co.
Aloysius I. Kenny, Miner	Consolidation Coal Co.
Samuel Massina, Miner	Consolidation Coal Co.
Frank Scarpelli, Miner	Consolidation Coal Co.
Henry W. Rizer, Laborer	Consolidation Coal Co.
Samuel Long, Miner	Consolidation Coal Co.
George C. Brode, Miner	Consolidation Coal Co.
Arthur R. Slingloff, Miner	
Howard W. Brode, Miner	Consolidation Coal Co.
Thomas W. Gracie, Miner	
George Taylor, Fireman	Consolidation Coal Co.
John Struntz, Cager	
Benjamin S. Hughes, Miner	
James E. Lancaster, Miner	
Ralph Neal, Brattice-man	
Howard W. Kinney, Electrician	
John L. Delaney, Student	
James Morack, Foreman	
John P. Barry, Foreman	
Antone Comatz, Miner	
Hubert E. Long, Engineer	
Eugene Stevens, Foreman	D. A. Benson Coal Co.
William Horton, Miner	
Alvan E. Morton, Mechanic	Consolidation Coal Co.
William Wright, Miner	
Joe Sacco, Miner	
Geo. O. Shriver, Miner	
Geo. M. Richardson, Miner	

LONACONING, MD., FIRST AID, MARCH 15 TO 19, 1926

Simeon Duckworth	Miner
Alonzo P. Miller	Miner
Fred Beaman	Mine Foreman
William Timney	Miner
Charles E. Whiteman	
William H. Thomas	Miner
Emil P. Kamuf	Laborer
John P. Stevenson	Clerk
John J. Cullen	Miner
James A. Miller	
John R. Loar	Laborer
Frank E. Robinson	Miner
Robert G. Kirkwood	Miner
Thomas L. Powers	Miner
Robert D. Peebles	Student
Elijah H. Smiley	Miner
David B. Steele	Miner
James F. Devault	Miner
William P. Brodie	
Thomas M. Brodie	Miner
John Brodbeck	Brakeman
James H. Alexander	Miner
Robert L. Glenn	Timberman
John Todd	Timberman
Jerry Woomer	Asst. Superintendent
Daniel D. Dodge	Superintendent
John C. Myers	Miner
Bernard F. McFarland	Miner
John Whiteman	
Thomas F. Dick	Student
Robert L. Laird	Student
James Richie	Student
James McHolmes	Student
Simeon Whiteman	Mine Foreman
Walter L. Kallmyer	Miner
Frank Edwards	Miner
Bernard P. Kilduff	Coal Inspector
Thomas L. Powers, Jr.	Student
Richard Hawkins	Mine Foreman
Harold Morgan	Laborer
James G. McElvie	Student
Lawrence Dunn	Miner
Felix Foote	Miner

LONACONING, FIRST AID, MARCH 22-26, 1926

James E. Merrbach	Driver
Simeon H. Duckworth	
Robert J. Hawkins	Brakeman
Thomas Peebles	Miner
William Donald	
John D. Miller	Miner
Allen Ravenscroft	Miner
Robert Spiers	Miner
Elias Frye	Brakeman
Robert Brode	Miner
Alfred Dye	Laborer
•	

James Stoppers	
Samuel McFarlane	Laborer
Angus Turnbull	
Anderson J. Green	Laborer
Francis Glenn	Laborer
Peter J. Colmer	Laborer
Howard M. Green	Laborer
W. G. Gallagher	Miner
Edwin F. Taylor	Miner
Robert Turnbull	Miner
George McCormick	
Robert P. Izat	Miner
Thomas Stafford	Miner
Charles Butcher	Miner
Norman Zea	Miner
Andrew S. Brodie, Jr.	Miner
Ralph Reed	Miner
William Preston	Brakeman
Orland W. Green	Miner
Patrick H. Hughes	Miner
Edward F. Folk	
James T. Phillips	Miner
Richard Moffatt	Foreman
Leslie Duckworth	
*Alonzo P. Miller	Miner
*Simeon H. Duckworth	Miner
*Richard Hawkins	Mine Foreman
*John P. Stevenson	Clerk
*Robert K. Todd	Mine Foreman
*James G. McFarlane	Miner
*Thomas M. Brodie	Miner
*William P. Brodie	Miner

THE FOLLOWING IS A LIST OF THE WOMEN WHO TOOK FIRST AID TRAINING AT LONACONING, MARCH 22-26, 1926

Mrs.	Ida M. Jacobs	Miner's	Wife
Mrs.	John W. Jackson	Miner's	Wife
Mrs.	Elizabeth S. Jeffrey	Miner's	Wife
Mrs.	Agnes Reed	Miner's	Wife
Mrs.	Hugh Atkinson	Miner's	Wife
Mrs.	Clara V. Stevenson	Miner's	Wife
Mrs.	George M. Maxwell	Miner's	Wife
Mrs.	Fannie E. Laird	Miner's	Wife
Mrs.	Sophie Glynn	Miner's	Wife
Mrs.	Viola Hunt	Miner's	Wife
Mrs.	Mary D. Kroll	Miner's	Wife
Mrs.	Fred T. Bowden	Miner's	Wife
Mrs.	Sarah E. Morton	Miner's	Wife
Mrs.	William Duckworth	Miner's	Wife
Miss	Mildred K. Sloan	Miner's Dau	ghter
Miss	Eleanor R. Sloan	Miner's Dau	ghter
Miss	Emily Whitefield	.Miner's Dau	ghter
Miss	Althea E. Lewis	Miner's Dau	ghter
Miss	Thelma V. Donald	"Miner's Dau	ghter
Miss	Margaret S. Inglis	Miner's Dau	ghter
Miss	Lucy Mae Hoffa	.Miner's Dau	ghter
Miss	Jane H. Nichols	.Miner's Dau	ghter

Miss	Catherine E. Morgan	Miner's	Daughter
Miss	Marion A. Hoffa	Miner's	Daughter
Miss	Mildred Richie	Miner's	Daughter
Miss	Marie H. Worgan	Miner's	Daughter
Miss	Elizabeth B. McMurdo	Miner's	Daughter
Miss	Francis C. Sloan	Miner's	Daughter
Miss	Corrine B. Miller	Miner's	Daughter
Miss	Grace E. Dick	Miner's	Daughter
Miss	Anna Henry	Miner's	Daughter

THE FOLLOWING IS A LIST OF THE HIGH SCHOOL CLASS TAKING FIRST AID TRAINING AT BARTON, MARCH 22-26, 1926

Miss	Ina Schramm	Student
Miss	Thelma Kyle	Student
Miss	Eva Jobson	Student
Miss	Dajsv Metz	Student
Miss	Mary Alma Conroy	Student
Miss	Elizabeth Duckworth	Student
Miss	Elsie Preston	Student
Miss	Inez Hoffa	Student
Miss	Nellie Davis	Student
Miss	Burnetta Arnold	Student
Miss	Mary M. Longridge	Teacher
Miss	Lillie M. Inskeep	.Teacher
Miss	Catherine Robertson	Student
Miss	Phyllis McConnell	Student
Miss	Margaret Gowans	Student
Miss	Margaret Preston	Student
Miss	Louise Meese	Student
Miss	Edith Green	Student
Miss	Oma Longridge	Student
Miss	Lola Phillips	Student
Miss	Mary Phillips	Student
Miss	Mildred Ashby	Student
Miss	Margaret Conroy	Student
\mathbf{M} iss	Isabelle C. Brennan	Student
Miss	Naomi Ross	Student
Miss	Anna Dawson	Student
Miss	Philomena Arnold	.Student
Miss	Thelma Miller	Student
Miss	Isabelle Brooks	Student
Miss	Elizabeth Andrews	Student
Miss	Daisy Snyder	.Student
Miss	Elizabeth Turnbull	Student
Miss	Estella Hoffa	Student
Miss	Alberta Goebel	Student
Miss	Isabella Wilson	Student
Miss	Hilda Kirk	.Student
Miss	Ethelyn Wilkes	Student
Miss	Veronico Rafferty	Student
\mathbf{M} iss	Eleanor McDonald	.Student

 $\mathbf{78}$

ANNUAL REPORT OF MARYLAND BUREAU OF MINES

OTHERS TAKING TRAINING AT BARTON, MARCH 22-26, 1926

Joseph Robertson	Miner
Clarence C. Meyr	Student
Andrew Penman	Miner
William Moore	Miner
M. P. Wilkes	Miner
James H Dawson	Miner
Vernon O'Neil	Student
William Crym	Miner
William I Naughton	Weighboss
William Connell	Minor
Thomas Cappell	Minor
Dower Prodler	Driver
Jacob D. Crohom	Driver
Joseph D. Granall	Willer
Adam E Loupert	
Adam F. Laupert	Miner
Leslie Martin	Student
Adolph Howell	Student
Frank E. Williams	Miner
Raymond F. Duckworth	Student
*Harrison Davis	
Bernard Beard	Student
Charles E. Symons	Student
James Brady	
Harry Snyder	Miner
William H. Hyde	Superintendent
John Bradley	Miner
Randolph Ashby	Superintendent
Frederick Frenzel	Student
A. L. Frenzel	Mine Foreman
Lawrence Ashby	Laborer
Frank Magnuder	Miner
- 10111 - 140- 4401	

MINE RESCUE TRAINING, BARTON

Arthur Hoffa	Operator
Curtiss Griffith	Miner
Ellsworth Russell	Driver
Major Ashby	Driver
Howard Wilkes	Driver
Joseph Shuhart	

THOSE TRAINED IN FIRST AID AT MT. SAVAGE, FEBRUARY 22-26, 1926

Raymond E. Boore, Brakeman	Mt. Savage Mining Co.
Henry T. Downton, Miner	Mt. Savage Mining Co.
Patrick O. Tigh, Miner	Mt. Savage Mining Co.
Richard Hopkin, Miner	
Abe Winfield, Miner	Mt. Savage Mining Co.
Arthur Baker, Laborer	Mt. Savage Mining Co.
Howard Sween, Miner	Mt. Savage Mining Co.
John E. Sween, Miner	Mt. Savage Mining Co.
Daniel B. Miller, Miner	
Aloysius V. Monahan, Weighboss	Mt. Savage Mining Co.
Norman J. Boore, Miner	Brailer Mining Co.
Louis McKenzie, Miner	
Arthur A. Athey, Miner	
Robert W. Andrews, Mine Foreman	

Wm. H. Norris, Molder	Union Mining Co.
George S. Rice, Laborer	Union Mining Co.
George W. Hook, Laborer	
Bradley T. Rice, Laborer	
David Brailer, Laborer	
C. Edward Crowe, Laborer	Union Mining Co.
Thomas S. Walbert, Laborer	
Jos. E. Finzel, Mine Foreman	
Charles F. Snyder, Laborer	Union Mining Co.
Albert C. Rice, Laborer	
Albert Deffenbaugh, Mine Foreman	
Elza F. Twigg, Cutter	
Wm. H. Werner, Asst. Foreman	
Joseph Nolan, Laborer	
Milner Frankenberg, Laborer.	
John Simpson, Laborer	
Clarence Fletcher, Asst. Foreman	
Jos. T. Jenkins, Mine Foreman	.Mt. Savage Mining Co.
Elmer C. McKenzie, Miner	.Mt. Savage Mining Co.
Wm. E. Rice, Laborer	
Henry W. Lotz, Painter	Union Mining Co.
Daniel Williams, Miner	
David A. Swauger, Miner	

THOSE TRAINED IN MINE RESCUE AT MT. SAVAGE, FEBRUARY 22-26, 1926

Robert A. Woods, Shopman	Mt. Savage & George's Creek Coal Co.
Harry K. Kilroy, Motorman	Mt. Savage & George's Creek Coal Co.
Jos. M. Brailer, Dumper	
George Aldom, Laborer	
Chas. G. Frankenberry, Miner	Union Mining Co.
Wm. D. Williams, Miner	
Gilbert Machin, Miner	Union Mining Co.
*Geo. L. Kemp, Électrician	Mt. Savage & George's Creek Coal Co.
*John Henaghan, Mine Foreman	Mt. Savage & George's Creek Coal Co.
* Previous training.	

EXAMINATION FOR MINE FOREMEN, ASSISTANT MINE FOREMEN AND FIRE BOSSES

The fourth examination for Mine Foremen and Fire Bosses was held in the State Normal School, Frostburg, Maryland, August 25 and 26, 1926, and the following Certificates of Competency were issued:

FIRST CLASS

No. 303-Rowe, Clyde J.....Frostburg, Md.

SECOND CLASS

No.	286-Turnbull, William	Lonaconing, Md.
No.	291-Penman, Andrew	Barton, Md.
No.	292-Whiteman, Simeon W.	Lonaconing, Md.
No.	296—Rowe, C. F.	Mt. Savage, Md.
No.	297-Hughes, John Thomas	Westernport, Md.
No.	299-Harris, Thomas A.	Westernport, Md.
No.	301-Schell, Ernest	Westernport, Md.
No.	302-Brode, Howard	Midlothian, Md.
No.	306-Barry, John P.	Eckhart Mines, Md.
No.	307—Merrbach, James E.	Lonaconing, Md.
No.	308—Dennison, Allen I.	Frostburg, Md.
No.	309-Weisenborn, James A.	Eckhart Mines, Md.
No.	311-Beaman, Charles Frederick	Nikep, Md.
No.	312-Kyle, Robert Joseph	Jennings, Md.
No.	313—Stevens, Eugene	Zihlman, Md.
No.	314—Jenkins, Joseph T.	
No.	315—Foot, Felix, Jr.	Lonaconing, Md.
No.	316-Barrick, Ember J.	Kitzmiller, Md.
No.	317—Hyde, Chester A.	Barton, Md.
No.	318-Kinney, Patrick J.	Frostburg, Md.
No.	319-Shields, Charles Joseph	Frostburg, Md.
No.	321—Eisel, William R.	Frostburg, Md.
No.	322—Duckworth, Simeon H.	Lonaconing, Md.
No.	323-Thomas, William H. R.	Frostburg, Md.
No.	324-Arnold, Dominick W.	Barton, Md.
No.	325-Kallmyer, Harold R.	Eckhart Mines, Md.
No.	326-Parrish, George D.	Shallmar, Md.
No.	328—Thornley, Hilton	National, Md.
No.	331—Bahen, John	Frostburg, Md.
No.	333-Shuhart, Joseph	Barton, Md.
No.	334-Walker, William D., Jr.	Kitzmiller, Md.
No.	335-Burrell, Fitzhugh Lee	Kitzmiller, Md.
No.	327-Jordan, John Thomas	Gorman, Md.

REPORT OF THE NIGHT MINING CLASSES IN ELEMENTARY MINING

Period September 20, 1926, to December 31, 1926

By

L. C. Hutson

Vocational Mining Instructor.

ORGANIZATION AND SCHEDULE

The Night Classes in Elementary Mining were organized for the school year of 1926-27, at the following points, viz:

Barton Tuesday Night Finzel Wednesday Night	Mt. Savage	
FinzelWednesday Night	Barton	Tuesday Night
Longconing Thursday Night	Finzel	Wednesday Night
Donaconnie Indisuay 11211	Lonaconing	
FrostburgFriday Night	Frostburg	Friday Night

On the above schedule the classes have met each week, with the exception of holidays, for a period of fourteen weeks. SUBJECTS

The subjects studied by the classes to date have been confined to one—Coal Mine Ventilation. The time has been apportioned as follows:

Coal Mine Ventilation	12	weeks
Organization	1	week
Review	1	week

MT. SAVAGE CLASS

Number	of men enrolled	26	
Average	age of men	31.1	years
Average	previous educational training	6.4	years

Nationalities

Americans (Native-born) 25 English 1

Occupations

Miners	18
Laborers	3
Mine Foremen	3
Students	1
Superintendents	1

BARTON CLASS

Number of men enrolled		
Average age of men enrolled		years
Average period of previous education	ation 8.6	years

Nationalities

American (Native-born) 32

Occupations

Miners	15
Laborers	5
Mine Foremen	9
Superintendents	1
Teachers	1
Clerks	1

FINZEL CLASS

Number	of men	enrolled	50	
Average	age of	men enrolled	29.9	years
Average	period	of previous education	5.3	years

Nationalities

Americans (Native-born) 50

Occupations

Miners	44
Mine Foremen	2
Farmers	2
Students	1
Merchants	1

LONACONING CLASS

Number	of men	enrolled	18
Average	age of	men enrolled	39.8 years
Average	period	of previous education	7.2 years

Nationalities

Occupations

Miners	10
Laborers	2
Mine Foremen	6
Operators	1

FROSTBURG CLASS

Number	of men	enrolled		31	
Average	age of	men enrolled		37.6	years
Average	period	of previous	education	6.8	years

Nationalities

Americans	(Native-born)	30
Austrian		1

Occupations

Miners	15
Laborers	6
Mine Foremen	8
Operators	1
Teachers	1

SUMMARY

Average weekly attendance (5 classes)	91
Average weekly attendance (Finzel class)	27
Average weekly attendance (Frostburg class)	21
Average weekly attendance (Barton class)	19
Average weekly attendance (Mt. Savage class)	14
Average weekly attendance (Lonaconing class)	10
Total number of men enrolled	157
Total number of miners enrolled	102
Total number of mine foremen enrolled	28
Percentage of men of American birth enrolled	98%
Average age of men enrolled, years	35
Average period of previous education, years	6.8
Percentage of men enrolled who are miners	65%
Attendance percentage of men enrolled	57%

84

ANNUAL REPORT OF MARYLAND BUREAU OF MINES

REPORT OF THE NIGHT CLASSES IN MINING October 5th-May 21st, 1925-1926, Inclusive

L. C. Hutson

Vocational Mining Instructor

ORGANIZATION AND SCHEDULE

The classes were organized and conducted at the following points, beginning on October 5, 1925, and ending on May 21, 1926:

Monday Night	Kempton
Tuesday Night	Kitzmiller-Gorman
Wednesday Night	Westernport
Thursday Night	Lonaconing
Friday Night	Frostburg

The class at Kitzmiller was discontinued after ten weeks of instruction, and a course in Electricity as Applied to Mining was substituted in its stead. This course was taught by Mr. R. C. Fleming. After some investigation, the vacant night left open by the dropping of the class at Kitzmiller, was filled by the organization of a class at Gorman, which continued for the remainder of the school year. In addition to the above, day classes were organized at both Lonaconing and Frostburg for the benefit of the men who were working on the night-shift and who were unable for that reason to attend the night classes.

SUBJECTS

The subjects taught were as follows:

Kempton—Ventilation, Map Reading, Mine Gases. Kitzmiller—Ventilation. Gorman—Ventilation. Westernport—Ventilation, Map Reading, Explosives. Lonaconing—Ventilation, Map Reading, Explosives. Frostburg—Ventilation, Map Reading, Explosives.

The subjects taught at the morning classes at Lonaconing and Frostburg were:

Ventilation, Map Reading, Explosives.

ENROLLMENT

The enrollment was as follows:

Kempton Kitzmiller Gorman	30 14 34	
Westernport Lonaconing Frostburg	25 38—Morning class 93—Morning class	9 7
Total	234	

As will be noted from the above, the men attending the morning classes are included in the total enrollments of Lonaconing and Frostburg classes. The organization of the class in Electricity in Frostburg, conducted by Mr. Fleming, reduced the original enrollment of Frostburg class, by seventeen men. This was unavoidable because it was found expedient to hold both the mining class and the class in electricity on the same night.

PREVIOUS EDUCATIONAL PREPARATION

Kempton	7.6 school years, average per student
Kitzmiller	8.3 school years, average per student
Gorman	6.9 school years, average per student
Westernport	8.0 school years, average per student
Lonaconing	6.7 school years, average per student
Frostburg	7.5 school years, average per student
Average per man	n in all classes, 7.5 years per student

AVERAGE AGE OF STUDENTS

Kempton	29.8	years
Kitzmiller	29.5	years
Gorman	30.5	years
Westernport	34.4	years
Lonaconing	34.0	years
Frostburg	31.4	years
Average age of men in all classes	31.6	years

OCCUPATIONS

Miners (men at the working face)	92
Mine laborers	57
Mine Foremen	52
Engineer Corps	9
Superintendents	8
Operators	3
All others	13
-	
	234

NATIONALITIES

Americans (Native-born)	218
English	7
Italian	3
German	1
Scotch	1
Hungarian	1
Lithuanian	1
Austrian	1
Swiss	ī

ATTENDANCE

The average attendance per week for the school year for each class was as follows:

Frostburg	43	men
Lonaconing	20	men
Westernport	17	men
Kempton	11	men
Kitzmiller-Gorman	10	men

Total average weekly attendance...... 101 men

OUTSTANDING FEATURES

The percentage of men who did written work was 98%.

The percentage of men enrolled of American birth was 97%.

Every man present on examination night took the examination.

The percentage of men enrolled who actually attended throughout the year was 43%.

The percentage of enrollment fee collected was only approximately 50%, but the percentage returned of that which was collected was 84%, showing conclusively that the men who did pay the enrollment fee were most regular in attendance.

Seventy-nine men received Certificates of Attendance, showing that they had made at least 80% attendance.

Fourteen men did not miss a class during the school year. Four of these men have not missed a class for the past three years, and three of them have not been absent for two years.

One of the most outstanding features was the attendance of a number of men from long distances, some of them coming as far as six and one-half miles to class, over almost impassable roads in very inclement weather.

The attendance of a father and two sons at the same class was very gratifying.

The sacrifice made by the men attending the morning classes at Lonaconing and Frostburg, after working late the night before, is very commendable.

Perhaps the most encouraging feature of all is the fact that a considerable number of the men enrolled are men who have been taking instruction of a similar nature for the past two years.

CONCLUSION

While the number of men enrolled this year is not as large as that of previous years, and the attendance per week is proportionately smaller, this can be accounted for by the fact that classes were established, in some instances, in the smaller towns where a large attendance could not be expected, and, furthermore, the work has now progressed to such a point that the curiosity seeker has been to some extent eliminated. In the limited territory in which these classes are conducted it is only natural to expect that as time goes on the classes will continue to decrease in numbers, unless some further instruction is provided in more advanced work. However, the results this year, as a whole, were perhaps, more permanent and solid than those of any previous year, judging from the quality of the written work and the results of the school examination.

Respectfully submitted,

L. C. HUTSON,

Vocational Mining Instructor.

REPORT OF THE NIGHT CLASSES IN ELECTRICITY IN MINING TO JUNE OF THE CALENDAR YEAR 1926

By

R. C. Fleming

Associate Vocational Mining Instructor.

Classes in Elements of Electricity or Electricity in Mining were held for the school year of 1925-1926, extending from November, 1925, to May, 1926. A previous report has been tendered, giving the progress of these classes to the end of the calendar year, 1925. This report now being tendered covers the part of the school year from January 1, 1926, to the conclusion of the school year on May 21, 1926.

At the beginning of the calendar year the classes in Electricity were being held in two places in the mining field of Western Maryland—Frostburg and Kitzmiller—meeting one night a week at each place. Enrollment of new members was stopped with the first class of the calendar year, so the number enrolled is the same as given in the last report.

At Frostburg the first class of the year was held on January 8, meeting every Friday night thereafter until the close on May 21, 1926. At Kitzmiller the first class of the year was held on January 5, meeting every Tuesday night thereafter until the last class, held on May 18. A total of 20 classes were thus held in each place during that period. The same subject was studied throughout the year.

DATA ON THE COMBINED CLASSES

Total number enrolled Number of classes held (January to May) Number of weeks classes held Total attendance Average age of all men Average newious schooling	$47 \\ 40 \\ 20 \\ 499 \\ 29.7 \\ 8.7$	years
Average age of all men. Average previous schooling. Average attendance each week. *Number dropped out. Per cent attendance, total. Per cent attendance, exclusive of ones dropped. Number of fees paid.	$29.7 \\ 8.7 \\ 25 \\ 5 \\ 53.2 \\ 59.5 \\ 29$	years years men
Number of fees unpaid	18	

* Only attended the first class and did not return.

OCCUPATIONS OF MEN IN BOTH CLASSES

Mine Foremen	15
Miners	9
Engineers and Surveyors	5
Laborers	4
Electricians	3
Students	3

Toophore	
Teachers	•
Hoistmen	
Superintendents	
Carpenters	
Railroad Men	
Mine Accountants	
Farmers	
Total	

NAMES OF MEMBERS

Frostburg Class

Lewis, T. F. Lancaster, G. Powers, Clarence Donohue, W. Festerman, W. Rephorn, W. Williams, F. Meager, V. Parise, T. Laurie, C.

p

Burrell, Fitzhugh Shore, John Paugh, W. C. Tasker, O. W. Walker, J. J. Walker, S. Bolden, W. A. Edwards, R. L. Johnson, Clarence Brode, Solomon Glenn, R. L. Ewing, R. Anthony, G. Rowe, L. Haverstick, S. G. Carter, F.

Kitzmiller Class

Pritts, G. W., Jr. Walker, D. W., Jr. Ryall, E. C. Harvey, L. W. Jones, C. H. Hutson, L. C. Close, J. Long, H. Allbright, G. Morgan, H. Michaels, E. Hartig, P. Laber, J. R. Henaghen, J. J. Hitchens, J. C. Glenn, Francis

Davis, Charles W. Burrell, Edward Hartley, W. H. Baldwin, Lewis DeVall, Hugo

All the members of these classes were native-born Americans with the exception of one man, who was of English birth.

STATISTICS OF FROSTBURG CLASS

Number enrolled Number of classes held Total attendance Average age of men Average attendance each week Average previous schooling	$31 \\ 20 \\ 354 \\ 29.8 \\ 17.2 \\ 8.3$	years men years
Average previous schooling. Number dropped out Per cent attendance, total Per cent attendance, exclusive of the ones dropped	8.3 4 55.5 63.7	years

STATISTICS OF THE KITZMILLER CLASS

Number enrolled	16	
Number of classes held	20	
Total attendance	145	
Average age of men	27.5	years
Average previous schooling	8.7	years
Average attendance each week	7.2	men
Number dropped out	1	
Per cent attendance, total	45.3	
Per cent attendance, exclusive of ones dropped	48.3	

90

ANNUAL REPORT OF MARYLAND BUREAU OF MINES

REPORT OF THE NIGHT CLASSES IN ADVANCED MINING

Conducted by R. C. FLEMING

From October 4 to December 31, 1926

ORGANIZATION AND SCHEDULE

Night classes in advanced work were organized and conducted at the following points, beginning October 4th:

Monday	night	Frostburg
Friday	night	Barton

The first class was held at Frostburg on Monday night, October 4th, meeting every Monday night thereafter until the Christmas season. The first class was held at Barton on Friday night, October 8th, meeting every Friday night thereafter for the same number of weeks.

A Night Class in elementary work was also organized and conducted at Kempton. This class was organized on October 27th, the class meeting each Tuesday night thereafter at the same time. SUBJECTS

The subjects taught at these classes were as follows:

Frostburg	Coal Analysis	
Kempton	Ventilation of	Mines
Barton	Coal Analysis	

NUMBER OF CLASS PERIODS

Classes were held one night each week at the points designated, making the total number of classes held between the time of starting the classes and the first of January, 1927, as follows:

Frostbur	g	12
Kempton		8
Barton .		11

ENROLLMENT

The number of men enrolled in these classes was as follows:

Frostburg Barton	 $31 \\ 17 \\ 25$
Total	$\frac{-0}{73}$

PREVIOUS EDUCATIONAL PREPARATION

Frostburg	8.9 years per student
Barton	9.6 years per student
Kempton	7.7 years per student
Average of all the classes	8.7 years

As is to be expected, the men with the most educational preparation are taking work in the advanced classes.

AVERAGE AGE OF STUDENTS

Frostburg	38.8 years
Barton	37.0 years
Kempton	29.5 years
Average age of men in all classes	36.5 years, weighted

OCCUPATIONS OF MEN ENROLLED

Frostburg Class

Mine Foremen	10
Engineers	6
Superintendents	5
Assistant Mine Foremen	3
Miners	4
Inspectors	1
Students	1
Clerks	ī
Total	31
Total	31

Barton Class

Mine Fo	remen	9
Clerks		2
Miners		4
Students		1
Teachers		
		_
Total		17

Kempton Class

Miners	16
Fire Bosses	3
Superintendents	Ĭ
Mine Foremen	1
Clerk	ĩ
Brakeman	ĩ
Car Repairer	1
Farmer	ī
	_
Total	25
_ • • • • •	10

NATIONALITIES

The nationality of all the men enrolled in these classes is American with one exception, this man being an Italian.

Percentage of native-born Americans...... 98.6%

ATTENDANCE

The average attendance per week at each class for the first part of the school year was as follows:

Frostburg	20.0	
Barton	9.5	
Kempton	16.3	
Average weekly attendance, all classes	45.8	men
REPORT OF THE SHORT COURSE IN COAL MINING, 1926

L. C. HUTSON, Director

The third annual Short Course in Coal Mining, held at Frostburg, Maryland, and conducted by the University of Maryland, under the supervision of the Maryland Bureau of Mines, opened on June 7th, 1926 and closed July 24th, 1926. The first three weeks of the course were held in the State Normal School building and the remaining three weeks of class-room instruction were held in the Beall High School building.

INSTRUCTION STAFF AND SUBJECTS

L. C. Hutson —

Explosives, Ventilation, Drainage and Pumping, Mine Fires and Explosions, Safety Lamps.

R. C. Fleming—

Electricity in Mines, Mine Gases, Haulage, Geology of Coal, Drawing.

J. J. Rutledge—

Mining Methods.

J. B. Watkins-

First Aid, Mine Rescue, Maryland Mine Law.

John A. Shore-

Coal Mine Costs.

SCHEDULE

Hours: 8.00 to 12.00 morning; 1.00 to 4.00 afternoon.

First Week: Explosives, Mining Methods, First Aid.

Second Week: Mining Methods, Electricity in Mines, Safety Lamps, Mine Rescue.

Third Week: Electricity in Mines, Ventilation, Safety Lamps, Mine Rescue. Fourth Week: Ventilation, Mine Gases, Drawing.

Fifth Week: Drainage and Pumping, Haulage, Drawing.

Sixth Week: Geology of Coal, Mine Fires and Explosions, Coal Mine Costs. Seventh Week: Field Trip.

> Monday: U. S. Bureau of Mines, Experiment Station, Pittsburgh, Pennsylvania.

Tuesday: Experimental Mine, Bruceton, Pa.

Wednesday: Indianola Mine, Inland Steel Collieries, Harmar, Pa.

Thursday: LaBelle Mine, Wheeling Steel Corporation, Steubenville, Ohio.

Friday: Nemacolin Mine, Buckeye Coal Co., Nemacolin, Pa.

Classes were also held each morning of the course for six weeks in Mining Mathematics, and each afternoon in Maryland Mine Law.

92

ENROLLMENT

The total enrollment of students numbered nineteen, of which number sixteen finished the course.

In contrast to former years, the great majority of the students came on their own resources, and four of them worked on the night shift, in order to attend the morning classes.

Name	Address	Age	Occupation	Sent By
Name Walter Festerman William R. Eisel Allan Dennison Charles Shields Russell Ross Kinsley McDonald Domineck Arnold Ember J. Barrick Simeon H. Whiteman Felix Foote, Jr. Chester A. Hyde Andrew Penman Fitzhugh Burrell Robert G. Kirkwood Simeon Duckworth James A. Weisenborne	Address Frostburg Frostburg Frostburg Frostburg Westernport Barton Barton Kitzmiller Lonaconing Barton Barton Kitzmiller Lonaconing Lonaconing Lonaconing	Age 18 34 35 56 19 22 49 25 29 39 26 47 28 22 41 39	Occupation Miner Mine Foreman Laborer Student Sugerintendent Miner Tracklayer Mine Foreman Miner Miner Miner Miner Miner Miner Miner Miner	Sent By *Self *Self *Self *Self R. J. Ross Coal Co. Arcadia Coal Co. *Self S
Clarence Friend Earl Miller John P. Barry	Friendsville Friendsville Frostburg	21 35 45	Mch. Runner Miner Mine Foreman	Self Self *Self

* Men who attended and worked on night-shift.

CONCLUSION

Average previous educational preparation	8	years
Average age of students	38	years
Men attending on their own resources.	84	per cent.
Miners attending	42	per cent.

While the number of men enrolled this year was slightly smaller than that of former years, the progress made was most gratifying, both in academic work and the observations made on the field trip.

The instruction staff were all very favorably impressed with the earnestness and application of the entire student body. As for the course itself, it was perhaps the best organized and co-ordinated of the number thus far put on. It is to be hoped that next year a larger number of men will avail themselves of this opportunity to advance their knowledge of mining.

(Signed) L. C. HUTSON.

METHOD OF RECOVERING BIG VEIN COAL PILLARS IN MINES OF THE MARYLAND COAL COMPANY, LONACONING, MD.

By ELKINS READ

History of the Mines

There are three old mines on the property of the Maryland Coal Company at Lonaconing, Md., designated as the Old Detmold Mine, the Kingsland Mine and the Savage Mine. The Old Detmold Mine was opened in 1853 and was worked until some time in the Eighties when it was abandoned. The Savage Mine, which adjoins the Old Detmold Mine, was opened in 1861 and was also abandoned in the Eighties. The third mine, the Kingsland, adjacent to the others. was opened in 1872 and abandoned just prior to 1900. Three other mines were opened and worked at later dates than those above mentioned but these later mines are not now being remined because they were operated in the years after 1890 when the recovery was fairly high. It is thought that there is insufficient coal left in these mines to warrant reclamation. All of these mines are in the Big Vein which is correlated with the Pittsburgh coal bed of Western Pennsylvania.

The Maryland Coal Company was one of the original companies incorporated for the purpose of mining coal in the George's Creek region and this Company still owns the mineral rights to over 5,000 acres of coal land in Allegany and Garrett Counties in Western Maryland. This tract, originally worked by the six mines just noted, contains about 1,500 acres of Big Vein coal.

Description of Coal Seam

The Big Vein in this mine is about 12 feet thick comprising the bottom coal 3 feet in thickness and separated from the breast coal. which is 7 feet in thickness, by a layer of coal 3 to 7 inches thick, lying between two thin layers of slate. Immediately above the breast coal is an 8-inch stratum of bone coal and above this bone coal stratum is a layer of top coal 2 feet thick and of good quality. Above the top coal is a layer of shale mixed with streaks of coal of poor quality. This layer is soft and friable and very hard to hold, even when timbered closely. It is known locally as "rashings." Above the "rashings" is a bed of laminated shale about 15 feet in thickness, which bed separates the Big Vein from the unimportant Redstone seam. Above the Redstone is a stratum of red sandstone 30 to 40 feet thick. This stratum of red sandstone and a 400-foot cover were the difficulties met by the former miners in their effort to recover the pillar coal and have caused much of the destruction of the original workings. In the early mining, i. e., the first mining, no

94

FOR THE CALENDAR YEAR 1926

attempt was made to recover the 3-foot bench of bottom coal and the top coal was left up in order to hold the friable "rashings"; hence only the 7 feet of breast coal was mined in the original workings and the room and entry pillars were left unmined.

Former Methods of Working

In all of the mines, Old Detmold, Savage and Kingsland mines, but more particularly in Old Detmold, with which this article is especially concerned, the bottom coal was left down and unmined and the coal bed cut up into pillars and no pillars were really mined but all were left standing. It is believed that only about 30 per cent. of the coal originally in the seam was recovered in the old and first mining, the remainder composed of pillars and roof and bottom coal being left unmined.

There is no virgin Big Vein coal left in the George's Creek region. All the remaining coal unmined is pillar coal and roof and bottom coal, which can only be reclaimed by tunneling and forepoling. The old entries and rooms are found, when explored, to be caved and it is necessary to fore-pole the new passageways and to closely cross-bar and lag them every foot of the way, and before any of the roof, pillars or bottom coal can be recovered a very considerable amount of timbering must be done. Moreover, this work requires the services of skilled miners, experienced in Big Vein work. (See Cut 1.)

. All of these old mines above mentioned were developd by a main heading and an air course driven up the pitch of the coal bed. On each side of this main heading, at 400-foot intervals, single butt headings were driven. Without a return air course the miners had little air at any point far inside the mines. The rooms were driven 18 feet wide on 42-foot centers and every fourth or fifth room was driven through a 100-foot barrier pillar to the side heading above. In the early working a furnace was used for ventilating purposes. In the first working none of the "rusty" or stained coal at the outcrop was mined. A strip of unmined coal, having an average width of 200 feet was left at the outcrop entirely around the property. This crop coal was mined between 1900 and 1910 and it was then believed that all of the economically recoverable coal had been However, about that time J. W. Galloway, now President mined. of the Maryland Coal Company, was made Vice-President and General Manager, and, after looking over the property, he realized the possibility of rehabilitating a dying enterprise. It was through his inspiration that reclamation mining was started in the Old Detmold and Savage Mines. The only mine maps available as guides for the new operations were three old maps drawn in 1871. This made the initial move difficult.

ANNUAL REPORT OF MARYLAND BUREAU OF MINES

Present Methods of Recovery

96

The first attempt at reclamation work was made at a point No. 10 shown on the accompanying map. After tunneling through the crop workings about 250 feet the entry encountered the beginning of a series of room pillars, which it was later discovered, were located off the second left heading of the Old Detmold Mine. This was, of course, prospecting, as those doing the work had no means of knowing anything about the conditions in the old mines as no recent mine maps were to be had. Next, another opening was made in the same section at No. 12 and during the period of the World War these two openings were advanced to the fifth left heading of Old Detmold Mine. (See Cut 2.)

When the work of prospecting and recovery had progressed this far the Company had learned enough to convince them that in order to compete in a normal market the methods of mining thus far used would have to be greatly varied. It was accordingly decided to discontinue the advance working and retreat with the pillar line. In 1920 the present mine was opened by a drift opening on the right side of Old Detmold Mine.

The experience in No. 12 mine to the left of Old Detmold main heading had shown that headings and rooms had been driven everywhere but with the exception of a little gouging, the pillars were still standing and in all the old workings the top coal and rashings, and sometimes layers of the overlying shale, had fallen. In order to cross these old places various plans have been tried and ultimately the Company standardized on a method of tunneling which will be described subsequently.

Necessarily this tunneling is expensive and it soon became apparent to this Company that in any successful method of recovering this coal, tunneling must be confined to a minimum. It was also decided that the new system, if it were to be successful, must have as few working places as possible and that these must be concentrated and worked intensively. This is necessary for the reason that every place in the mine is kept open by timber sets lagged on the top and sides. Concentration of all operations in a mine, now considered to be an economic necessity in coal mining, is doubly necessary in this recovery work.

In brief, the present method of recovery consists of driving long panels extending along the strike of the coal seam from the main headings to the outcrop. Each panel is about 800 feet wide and in length is limited only by the distance from the main headings to the outcrop.

A strip 500 feet wide on the higher side of each panel is mined out advancing. It is served by one intermediate haulageway and an air course within itself, also by three major headings in the remaining width at the lower side of the panel, the barriers of which





are recovered in the retreat. The system provides concentration and continuous working and yields decided economies in haulage and ventilation. It should be borne in mind that in these old workings the management does not have such reasonable assurance of their mine conditions as is enjoyed by companies operating in solid coal. However, the method is working well and has much to recommend it for general use.

In order to avoid excessive tunneling the main headings and air These openings are courses are cut from the sides of room pillars. driven 10 feet wide and are kept far enough apart to avoid excessive The first panel worked comprises first and second right weight. headings of the Old Detmold Mine and extends across the Savage Mine to the outcrop. This panel has a main air course, a haulageway and a continuous sidetrack and room heading, all of which are driven across the old rooms and pillars paralleling the original right headings of the Old Detmold Mine. About half-way between the room heading and the boundary line is an intermediate heading and an air course, the former being marked, "second right" in the first The coal between second right and third right is being repanel. covered on the advance, the distance between these two lines being 500 feet. The coal between second right and first right is to be recovered in the retreat. It is the plan to pursue this same course for all succeeding panels. When the pillar line advances to Barrier the first panel will be under full development and will continue so until this line is advanced to the outcrop. At present every place in the mine is working double shift and the men are moved about from place to place as conditions demand.

The mine is at present producing 550-600 tons per day in a double shift. It is quite likely that after the first and second panels are under full development, jointly they will produce 800 to 1,000 tons per day, the latter amounts being the maximum desired by the Company.

Main headings have been stopped and they will not be started again until a third panel is required in order to keep up the maximum output.

In the actual work of mining in a panel, rooms 10 feet wide are cut from the inbye side of every third room pillar, extending from the side track or storage track to the intermediate haulageway, which is a distance of 300 feet, and from the intermediate haulageway 200 feet to the barrier line. Of the 200-foot rooms the last is driven up only a step or two in advance of the pillar line. As a rule the 300-foot rooms from the the main headings are not driven until required for haulage and ventilation.

The pillars between the rooms are recovered by driving crosscuts on 40-foot centers on the retreat. These cross-cuts, it will be noted, penetrate only that portion of the pillar from which the new room has been cut and two old rooms. In this way, every third

ANNUAL REPORT OF MARYLAND BUREAU OF MINES

98

room is entirely missed by the cross-cut and by tunneling through only two old rooms two solid blocks of coal measuring 24x30 feet are reached and recovered, together with a 14x30-foot block in the pillar from which the room is cut. (See Cut 3.)

In that part of the cross-cuts included in old rooms, the top and bottom coal is recovered but no attempt is made to recover these two benches in the old rooms between the cross-cuts on account of the excessive cost of dead-work incidental to the handling of rock.

It would be less expensive to drive along every other pillar but experience in No. 12 mine demonstrated that this plan cannot be successfully followed because by following such practice the support of the roof is too much weakened. It has also been found that when cross-cuts are on centers wider than 40 feet the stumps will be squeezed before they can be recovered. As soon as a room has been driven to its limit however by two men on each shift, the first cross-cut is driven 40 feet below the barrier line. Then a second cross-cut is started at a 40-foot interval below the first by two men. At this time an additional man is added to the first crew which has turned its attention to the recovery of the stumps above the first cross-cut, making five men working in each section between two ad-When fully developed a panel is composed of six jacent rooms. such room sections which are worked simultaneously by five men In addition five headings are under development about in each. half the time. These are driven only fast enough to keep them Thus all together no more than 40 men ahead of the pillar line. will be employed per shift in the panel. The average daily output per miner, including those in tunnel places, is a little more than six Coal is loaded on a tonnage basis and tunneling is paid for tons. by the yard, the lump sums for each include remuneration for setting timbers.

When the pillar stumps are robbed, only the breast and bottom coal, about 10-feet in thickness, is recovered. The stratum of roof or top coal, usually about 2 feet thick, is left up to serve as a roof and keep the "rashings" from falling. Two cuts half as wide as a room pillar, are made to recover the stump. One cut takes one-half of the stump advancing and the second cut retreating outbye finishes the block. Once the removal of a pillar block is begun it must be continued day and night until it is all extracted; if this is not done the pillar will take the weight and crush and the coal is not only rendered worthless but incapable of being recovered. For this reason double shifts and often triple shifts of men are employed on this work of recovery. Obviously an adequate supply of railroad cars is necessary when pillaring is being done.

Not enough coal was removed in the earlier workings to have caused a general squeeze but evidences of local squeezes are frequently observed. In all the old rooms and headings the roof or top coal and the rashings immediately above have caved and since





the bottom coal had been left unmined nearly everywhere, it is impossible to make a clean break in this pillar recovery as the open area is not large enough. The main caution to be exercised in this work of pillar recovery is to make as few and as narrow openings as possible, on the advance, so as to not unnecessarily weaken the roof. All mining or recovery work is accordingly kept close to the pillar line.

It is believed that the entire workings of Old Detmold Mine and also the entire area of the Savage Mine and one-half of the workings of the Kingsland Mine can be re-worked in the manner above indicated, giving the entire property a life of about twenty years producing at the rate of 250,000 tons per year. As soon as the main headings of Old Detmold Mine have been driven beyond the inside boundary of No. 12 mine, panels will be laid out to the left as well as to the right of these headings. As above indicated, the mine operates two shifts but the tipple is operated one shift. The night shift loads all the empty mine cars and these loaded cars are stored in the mine and hauled to the tipple on the day shift.

Method of Timbering

In every portion of the mine it is necessary to use timber to keep the passageways open. Timber sets consisting of a bar and two legs are placed at 3-foot centers and these sets are lagged overhead and on the sides by flat lagging boards closely placed. Close timbering and lagging is especially necessary in tunneling through the caved ground encountered in the advanced work. When the passageways are driven through solid coal lagging pieces made by once splitting of a round piece of timber are employed and this lagging is placed at 1-foot centers. A curious but important development of this method of advancing is this spacing of the lagging on the If this split lagging is placed skin to skin the side pressure sides. will break them, but if they are placed on 1-foot or more centers the side pressure seems to be relieved by such spacing and does not crush in or break the lagging. The Cross-bars and legs are of white oak, chestnut, birch, and other local woods, are round and 6 inches in diameter at the small end. Cross-bars are notched into At every place turned off an entry a long cross-bar or the legs. what is locally known as a "king bar" is placed. This "king bar" carries one end of the first cross-bars in the mouth of the place turned off the entry. These "king bars" are about 12 feet long and it is recorded that in one of the mines engaged in recovering Big Vein coal, the same "king bar" has been used 7 times, it being moved up as the pillars were exhausted, and used in successive places. As a rule, when the switches are wide, two stringers are placed parallel to the heading and a third bar or stringer diagonally across the heading. At the small end, these bars are 8 inches or more in diameter.

As practically all the advance must be driven through falls or caved ground, a method of modified forepoling and lagging is used in "tunneling" as the work is locally known. In this work the forepoles are of round pieces about 3 inches in diameter at the small end and from 5 to 6 feet long. These forepoles are placed on 2 to $2\frac{1}{2}$ foot centers and are driven over the timber sets which sets are 3 feet apart and the forepoles are always driven from the outbye side of the timber set. Above the forepoles, lagging boards 1 inch thick, 3 feet long and of varying width, are driven skin to skin and at right angles to the course of the working place.

This work is done by miners of long experience in tunneling When beginning to tunnel the miners drive iron bars into work. the fallen ground immediately in front of the timber set, and in line with the top of the set to a depth of 4 or 5 feet. Two forepoles are driven into these holes. This done, the loose caved material immediately above the forepoling is carefully removed by the hands of the miners so as to yield space for placing one lagging board after another until the space above the two forepoles is covered. After these first two forepoles have been lagged a third and a fourth and occasionally a fifth forepole is necessary. The ground through which the tunnel progresses is loose, and it is very essential to use great care in doing such work in order to avoid starting a "run" or rush of a great quantity of the overhead caved material. Such rushes may dislodge the timbers and cause fatal accidents. About the only accidents that ever occur in this work are due to rushes. When necessary to avoid rushes the forepoles are blocked up. These forepoles are lagged only just far enough ahead to catch the next timber set which set is placed after enough of the underlying loose material has been removed to permit and while the points of the forepoles are supported by the as yet unexcavated material. This completes the cycle of timbering operations which is repeated again and again as the tunnel is advanced.

When the tunnel leaves the area where there is a coal pillar and enters an area where there are no pillars and only caved ground is encountered on all sides of the tunnel, the timber sets are lowered from a height of about 9 feet to a height of 6 feet under the crossbars. When tunneling or cross-cutting through the fallen ground the height below the cross-bars is reduced to 5 feet. In the headings the tunnels are 8 feet wide in the clear at the top, and 9 feet wide at the bottom. The cross-cuts are, in the clear, 7 feet wide at the top and 8 feet wide at the bottom. Since the cross-cuts remain open but a short time, the timbering in them is not as substantial as the timbering in the headings.

Sometimes when the roof pressure is very great, the timbers break very soon after being set. As a rule the extreme life of the timbers is two years. When producing 500 tons per day, double shift, the mine needs a railroad car of props for every two days.

102 ANNUAL REPORT OF MARYLAND BUREAU OF MINES

Ventilation

Owing to the character of this work and the nature of the ground, it is very difficult to ventilate the workings. There is, however, a certain amount of air passing through the "falls" or caved ground and this renders a certain amount of ventilation possible. For this reason it is possible to drive headings a considerable distance beyond the last new cross-cut as a current of air passes to the face of the heading and from thence outbye over the falls.

Advantages of This Method of Working

The greatest advantage of this method of working is the concentration of all mining operations. Haulage, supervision, track, material and ventilation costs are reduced by this method of working. Less track and material are required than in the customary methods of working employing short room-headings. But, aside from these economies, after the panels are developed the tonnage can be kept fairly constant, day by day, by continuous operation, until the boundary line of the property is reached. By the old system of work-ing, employing short room-headings at right angles to the main headings a room heading is either under development or is nearly completed during the greater portion of the time. Therefore, the period during which these headings are producing efficiently is relatively brief. While, under the present method, when the panel is once under full development, it remains efficient until it is completed, which is a long time as the panel is long. Furthermore, on the retreat enough barrier coal remains to provide a complete mulehaulage section during the entire period of recovery.

Possibilities of System

This method of mining and recovery can be modified to suit almost any conditions, even such as exist in the thick flat-lying seams of Illinois and Indiana, where no pillars are recovered. It is believed that this system has a great advantage over the systems now used in the mines of the States mentioned. Instead of driving headings at right angles to the main headings to the boundary, the butts or cross-headings could be driven parallel to the main headings and cut off on the rear, at the same time advancing one set of heading faces continuously until the boundary line was reached.

In doing the exploratory work which, as has been stated, must pass through caved ground and must all be forepoled and lagged on the sides, those coal pillars that are encountered are located on the map and designated with short crooked lines. This is done so that in subsequent workings, when pillaring is to be done, that the mine management will know the exact location of the pillars. In case of a change in management it is absolutely necessary that this information be placed on the map and available for the information of the new management.

In some instances the advanced headings run comparatively long distances through ground where no pillars whatever are encountered.