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# REPORT

of the

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# Department of Mines

OF PENNSYLVANIA



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PART 1-Anthracite

1927-1928

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## LETTER OF TRANSMITTAL

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Department of Mines, September 5, 1929.

To His Excellency  
John S. Fisher  
Governor of Pennsylvania.

Honorable Sir:

I beg to submit herewith Part I of the report of the Department of Mines for the years ending December 31, 1927 and 1928. This report covers in detail the operations in the twenty-five Anthracite inspection districts as returned by the Inspectors.

Respectfully submitted,

W. H. GLASGOW

*Secretary of Mines.*

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Harrisburg, Pa., September 5, 1929.

Honorable Walter H. Glasgow,  
Secretary of Mines,  
Harrisburg, Pennsylvania.

Sir:

I submit herewith a report covering the activities of the Anthracite Division of the Department of Mines for the years 1927-1928.

The statistical matter in the report is presented under the head of Counties instead of Mine Inspection Districts, as formerly. It is more logical and satisfactory to use the County as a unit as it is not as susceptible to change as is the Inspection District.

It is gratifying to state in transmitting to you the report of the activities of the Inspectors that they have at all times given to the Department the most hearty and intelligent cooperation.

**241980**

Respectfully yours,

JOHN REESE JAMES

*Deputy Secretary, Anthracite Division*

# REPORT

## OF THE

# DEPARTMENT OF MINES

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### INTRODUCTION

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The production of anthracite in 1927 was 79,367,154 net tons and in 1928, 74,552,312 net tons. Since the year 1917, when production amounted to more than 100,000,000 tons, there has been with few exceptions a gradual annual decrease. The production at the present time is just about what it was twenty-five years ago. The decrease has been due to a variety of causes, principally mild winters, but other contributing causes, that will probably be permanent and must be reckoned with are oil, gas, and bituminous coal. All these competing fuels are being advertised extensively and placed before the public in a way to greatly increase their popularity.

The operators with a full realization of the conditions confronting them are now for the first time in the history of the industry making an appeal to the public, hopeful at least of retaining the present volume of trade. They seem to have entered upon a new era, with a new atmosphere and a new determination to meet the invading forces of opposition. The industry is confronted with several problems that must be solved, including sizing and preparation, publicity, further modernizing of equipment and furnishing the consumer a cleaner and more uniform class of coals. These problems have all been tackled vigorously and intelligently. It is to be noted, too, that a spirit of hopefulness and helpfulness seems to pervade all classes of people in the anthracite region who are directly interested in the welfare of the coal industry. Producers, mine employes and the general public, especially the business interests, have united in a movement of good will and common action for the common good. This movement is based upon the belief that the prosperity of everybody in the region depends upon the prosperity of the anthracite industry.

## REORGANIZATION OF THE DEPARTMENT OF MINES

In compliance with the wishes of Governor Fisher, as expressed in his inaugural address, the Department of Mines was reorganized in order to give the mining industry the best service possible. The reorganization took effect July 1, 1927. A head of the Department, designated as the Secretary of Mines, was named and two additional Deputies were appointed to have charge, respectively, of the Anthracite and Bituminous Divisions, which heretofore had functioned directly under the Secretary of Mines. Four electrical inspectors were temporarily engaged, one of whom was retained permanently, whose duties were to examine in detail all enclosed electrical machinery in use in the gaseous mines and report the condition to the District Mine Inspectors.

Contact was made by the Secretary of Mines with National bodies interested in questions of freight rate regulations, mining legislation, mechanization of mines, Mine Rescue and Safety work, and education of those engaged in the mining industry. Close relations were established between the operating end of the industry and the Department of Mines with the object of reducing the accident toll and simplifying and standardizing the reports submitted by the operators to the Department.

## MINE CATASTROPHES

### WOODWARD COLLIERY CAVE-IN AND EXPLOSION

"Catastrophe" is the term applied to an accident in which five or more lives are lost. An accident of this kind occurred May 26, 1927, at the Woodward Colliery of the Glen Alden Coal Company, Edwardsville, Luzerne County, Pa., when a cave-in and explosion of gas caused the loss of seven lives. The report of the Inspector who investigated the accident is given below:

"Nine miners were at work cutting and loading coal on 9 west counter when the explosion occurred and the cave-in took place. In about fifteen minutes after the cave-in, a very severe concussion took place due to an explosion of gas.

After all the persons had been removed from the mine, the company mustered the officials from the other collieries of the company. Several of the mine inspectors who had heard of the accident reported to the mine and with the colliery workmen, descended the shaft to the Baltimore vein. We discovered stoppings, doors and one air bridge had been destroyed by the explosion. On the main haulage road considerable debris had been scattered about, trolley lines were down, stringers and props were lying about, many of them scorched. Two small fires were started by the explosion, but were easily extinguished. An effort was made to go in 10 west return which is only a short distance from 9 west counter where the three miners were working. The current in 10 west return was found to be highly explosive. An effort was made to reach 9 west counter from 9 west gangway. We found the passageways filled with coal and evidence of the squeeze still continuing. There was slight evidence of afterdamp; no smoke could be detected in the air. The fan was not affected by the explosion and was working at its normal speed. In the afternoon efforts were made to restore ventilation and the night was spent in cleaning and propping the principal

haulage road from No. 3 shaft to 8 west gangway. The men who had worked during the night reached the surface Friday at 5:40 A. M. At 6:00 A. M. an explosion occurred which destroyed the concrete fan drift on the surface. Fortunately there were no persons in the mine when this explosion took place. We believe the explosion occurred in the Baltimore vein; however, some are of the opinion that it occurred in the Hillman vein. It was then decided to build seals in the mine and to cover the shaft with a temporary seal. The shaft seal was completed at 2:00 A. M., May 28. On Sunday, May 29, at 1:35 A. M., a terrific explosion occurred which destroyed the shaft seal, lifting the steel tower from its foundation and in a leaning position clear of the shaft. The buildings connected with No. 3 shaft were more or less damaged, as well as the shaft concrete casing.

On May 31, the officials of the Glen Alden Coal Company with the State Mine Inspectors held a consultation at No. 3 shaft and decided to continue sealing, to isolate the workings of No. 1 Baltimore shaft and No. 1 Red Ash shaft from No. 3 shaft. These shafts are connected in several veins over a large territory. Three shifts with a large force of workmen are still engaged in building seals. Work on the returns is done with helmets. Carbon monoxide gas testers are carried on each shift.

On June 5, No. 3 shaft was again temporarily sealed. The seal has been strengthened gradually and has been completed for some time. The pressure is now up the shaft equal to 1.5 W.G.

Everything is being done to place the mine in condition to extinguish the fire which has been causing the explosions. The shaft casing which was cracked in many places allowed the gas to escape to the atmosphere. The rock filling around the shaft is being removed by a compressed air shovel and when a fracture is discovered in the shaft casing, a wood fibre quick plaster is used, which gives very good results.

No explosions have occurred since the explosion of May 29. The mine is now gradually filling with gas which is sufficiently high so that it does not support combustion. The carbon monoxide per cent still keeps high, but shows signs of gradually becoming less.

In conclusion it is my opinion that the squeeze occurred in Old 8 west gangway and finally extended to 9 west. The officials of the mine believe that the trouble was caused by the top coal or top Baltimore vein."

Owing to the conditions existing at this mine and the possibility that all danger had not been passed, the inspector was directed to make weekly inspections and report promptly to the Department. Five bodies of the victims of this disaster still remain in the mine notwithstanding the fact that the work of recovery has been carried on as continuously as possible under rather dangerous conditions ever since the accident occurred.

It is believed now that the last of the falls will soon be cleared away and such repairs made as will enable the officials of the mine to recover the bodies that have been entombed since May 26, 1927.

#### **EXPLOSION OF GAS AT BALTIMORE NO. 5 COLLIERY HUDSON COAL COMPANY**

Another catastrophe with very serious results occurred May 25, 1928, when an explosion of gas took place in the Red Ash vein of the Conyng-

ham shaft section, Baltimore No. 5 Colliery, Hudson Coal Company. Ten lives were lost in the explosion.

A report of the Commission appointed by the Secretary of Mines to investigate the cause of the explosion is printed herewith.

June 28, 1928.

Hon. W. H. Glasgow,  
Secretary of Mines,  
Harrisburg, Penna.

Honored Sir:

Herewith find report of the accident that happened on May 25, 1928 in the Red Ash Vein of the Conyngham Shaft Section of Baltimore No. 5 Colliery of the Hudson Coal Company.

The accident occurred in the section known as the second west gangway off No. 1 Slope extension in the Red Ash Vein. This section of the mine was a part of the former Hillman Shaft Colliery, an independent colliery acquired by the Hudson Coal Company a few years ago.

The Hudson Coal Company did not have mining rights in several important areas in this locality, having but a narrow strip that they could mine for a distance of about 300 feet (as shown on the accompanying print).

Owing to the failure to secure mining rights in this territory, it made it quite difficult to conduct the ventilation in the proper manner. The ventilation depended mainly on a door placed on the gangway at miner No. 5110's place and known as Mike Morga's door in the testimony.

There was also another door outside of this on the gangway in the pillar between No. 11 slope and slope airway which deflected the air current through the basin workings east of the slope, and then was brought back up the old No. 11 slope to the airway, from where it continued into the face workings along the barrier pillar where a booster fan was in operation. This second door, or the outside door, (as shown on the map) was not as important as the inside door, and if it was left open only short circuited the air from the dip workings, which, according to the testimony, was not of a gaseous nature, as gas had not been found in these workings.

The line chamber along the barrier above the airway (namely Miner No. 5104's place—George Oko) had been driven up a distance of 50 feet and had struck a roll or fault in the face; they had started to drive a cross cut in the bottom bench at the face and the coal, being of a very shaley nature, had run away up the pitch along the fault to a height of 30 or 40 feet. The place was timbered right to the face and a box brattice, or chute, had been put in to try and keep ventilation up into the cavity along the roll so as to keep it clear of gas.

After this chute had been installed it was found that there was not a sufficient amount of air to keep the cavity clear of gas, so an electric booster fan was put in to create a greater velocity and a vent tube attached to throw the air up into the cavity along the fault. This fan was put in behind a wing of brattice at the face of the airway (see sketch) and had been in use about three weeks.

According to the testimony of the Fire Boss Werner, gas had been found in large quantities in this place (the line chamber) every morning since the fan was put in, and that the gas had been removed by Werner by this electric fan. The fan being stopped at night allowed the gas to accumulate down to the top of the timbers, and Werner used to start the fan when he came to this place and blow the gas out before proceeding further with his morning examination.

According to his testimony, on the morning of the accident there was 25 feet of gas in the place, and he had stayed there after starting the fan for 25 or 30 minutes until the place was clear, or cleared within 2 or 3 feet of the roof in the high spot along the roll; this height being as high as he could reach.

After he had started the fan, and as he says cleared the gas out, he then proceeded to make his round and he reported the place and section clear of gas. The report book does not show any record of gas being found in this section on the day of the accident.

According to the testimony, the miners working in this section were using locked safety lamps and electric cap lamps. All firing was done by electric batteries, but black powder was used as the explosive. A battery motor was used as the means of haulage, and at the land line at the face of the gangway an electric booster fan had been installed and was running at the time the accident happened.

The commission, after visiting this section of the mines on several occasions for personal investigation and observation, and after interviewing witnesses and taking their testimonies, are of the opinion that the testimony of Jos. McLaughlin, the motorman, is the most important.

The testimony of Werner, the fire boss, shows that gas had been found the morning of the accident and that gas had been frequently found in the line chamber, or Oko's place; it was at or near the face of this place where the ignition took place. This is substantiated by the fact that the most evidence of flame and the destructive force of the explosion started from this place.

According to the testimony of the foreman Nolan, the fire boss, Werner, did not report gas in the place that morning, but reported it clear, and that he was not aware of the quantity of gas being found by Werner was of such a dangerous amount as Werner's testimony showed it to be.

The testimony of Assistant Superintendent Loftus and of Superintendent Lambert is to the effect that they were not acquainted with the actual conditions, as to the quantity of gas given off in this place.

Nolan's testimony shows that he was responsible for the installation of the electric fan, and that he states that the quantity of air was not sufficient to keep the place clear, hence he had the fan put in. He states he was there when the wooden box, or chute, was put in and "we had about 10,000 cu. ft. of air in there but it was not strong enough to keep that place clear." Note: See first page of Nolan's testimony.

The testimony as given to this point shows that gas had been found in this section on the day of the accident and several days prior to the accident, and that the officials were aware of the fact that gas was and had been found there, but that this gas had been cleared or brushed out by the starting of the electric fan and had not been reported. There is no testimony of the Mine Foreman Nolan, the Assistant Superintendent Loftus and the Superintendent Lambert to show that they

knew of the dangerous amount of gas that was found in this place for several days prior to and on the day of the accident. Each of these officials stated that they did not know the actual conditions. It seems from the testimony that the Fire Boss Werner was the only one who knew of the actual amount of gas given off in this place.

The testimony of the officials and the other witnesses does not throw very much light on what happened, or how the gas was ignited, as no one seemed to know the actual conditions of Oko's place until we had the testimony as given by McLaughlin, the motorman. He (McLaughlin) was the only survivor of all the men who were on the gangway road at the time the explosion occurred.

McLaughlin's testimony shows that he had taken out Mike Morga's car, and that the door at his place had been left open for several minutes; that during the time the door was open miner No. 5104, George Oko, came out to Morga's place and was talking to McLaughlin and the motor crew; and that Oko said he had just fired a hole in the cross-cut and had blown a lot of coal out on the road in front of his loaded car. He, Oko, asked to have an empty car placed in his place so that he could load up the coal; that it was not possible to run his loaded car out of the place until the coal had been loaded up.

McLaughlin sent Norton, his brakeman, in with Oko to see if the rope with which they pulled the car from the curve to the face was free to allow the empty car to be pulled up. Most of the time that this conversation took place Morga's door was open.

By perusal of the accompanying sketch showing the location where the bodies were found, it shows that Norton had gone in with Oko and had returned almost out to the motor. McLaughlin said that Norton and Oko had gone in together. The place where Oko's body was found shows that they had reached at least to his branch, if not to the face, and that Norton had returned and had almost reached the outside door when the explosion happened.

McLaughlin said that the door had been closed about two or three minutes when the explosion occurred and that he was on the motor and was blown off. The motor was between the two doors on the gangway at the time of the explosion, as the outside door was found in under the motor after the explosion and it appears as if the motor was moving out.

#### Possible causes of ignition:

1. The battery motor
2. Arc from electric fan
3. Defective lamps
4. Smoking or lighting matches
5. Ignition of gas from feeder left burning after blast in Oko's place was fired.

1st. In our opinion the battery motor did not ignite the gas, as it was 380 feet from the point where the gas was ignited.

2nd. The electric fan may possibly have caused the ignition of the gas, as it was in close proximity to the point of ignition and showed evidence of being in the path of the flame.

3rd. Defective lamps. We do not think that any lamp caused the explosion, as all of the lamps were removed from the mine intact.



4th. Smoking or lighting of matches. While some evidences of smoking were discovered in this section, it was very meagre, and from all the testimony given it seems very remote that smoking caused the explosion.

5th. Ignition of gas from burning feeder. We are of the opinion that the point of ignition was at or near the face of the land line chamber, Miner No. 5104, George Oko's place. We are of the opinion that after firing the blast that is mentioned in the testimony of McLaughlin, a feeder was lighted by this shot and was burning; that there was an accumulation of gas in the face of the cross-cut, or the high cavity along the rock fault; that due to the fan running it mixed the air with the gas at the high point, resulting in an explosive mixture; that upon the shutting of the door on the gangway outside of Mike Morga's chamber (which door on being left open short circuited the entire volume of air except that being generated by the fan directly behind the brattice and into the return) restored the ventilation to its normal course and brought the explosive mixture down into contact with the burning feeder, thereby causing the explosion.

Very truly yours,

THOMAS J. WILLIAMS  
*Inspector—11th District*

D. T. DAVIS  
*Inspector—12th District*

EDWIN C. CURTIS  
*Inspector—9th District*

### MINE FOREMEN'S AND ASSISTANT MINE FOREMEN'S EXAMINATIONS, 1927-1928

In 1927 the examinations of applicants for certificates of qualification as Mine Foremen and Assistant Mine Foremen were held in six districts designated by the Secretary of Mines on June 29 and 30. The places where the examinations were held, the Mine Inspectors in charge as Chairmen of the Examining Boards, and the successful applicants who were granted certificates by the Department of Mines, are as follows:

<i>Place</i>	<i>Chairman of Board</i>
ASHLAND	JAMES QUIGLEY, MINE INSPECTOR, 22nd DISTRICT

#### MINE FOREMEN

John Andrew Brennan, George V. Brecker, Edward F. Burke, William J. Byrne, Roland M. Culton, Edward J. Donahue, Harry Edwards, William Elsworth, James Fisher, Samuel Griffith, James H. Kane, Thomas Francis Kane, Thomas M. Kane, Frank Kopfinger, Bernard Edward Kramer, John Laukaitis, William Howard Lewis, Michael Joseph Mannion, William M. Manney, Jr., Peter W. McDonald, Joseph A. Morlock, Leonard Leo Noble, Thomas J. Reardon, Alex Rokos, Thomas I. Schickley, Arthur Boyd Singley, Charles F. Tighe, Thomas Walsh, William Joseph Wynne.

## ASSISTANT MINE FOREMEN

Arthur William Aster, James Avelino, Leslie Arthur Batdorf, Henry Berger, Roman C. Berkoski, Charles R. Boyd, William A. Bramley, James E. Brennan, Jr., Edward J. Britt, Robert Johnston Burnett, Joseph B. Burntitus, John I. Campbell, Patrick J. Carey, Michael Dovci, John Francis DuBosky, John A. Dunlavey, Connie Ficca, Bart V. Flannery, Walter S. Fogell, William C. Frey, Anthony J. Gaughan, Ira Norman George, George Gessner, Nick Goretski, Patrick J. Haley, Walter E. Heyer, Elias Hopkins, Frank Horn, Russell Ellsworth Hubler, Benjamin Humes, Patrick J. Kane, Andrew Karlak, Peter Karvois, Salvadore M. Kerico, Robert Franklin Kiefer, Walter Knopp, Charles Koch, Michael Komeavage, Bernard Kopfinger, Joseph George Lahnstein, Jr., Lester Leroy Lapinsky, Alphonso Laughlin, Donald Laughlin, John Lazor, Carmac James Manley, James M. Manney, Harry Franklin Markel, James Martin, Fred John McCall, James A. McGill, Claud Hadeisty Mervine, Charles A. Mitchell, Joseph J. Moran, Urbano Nicoletti, John Joseph O'Brien, William T. O'Brien, Robert James Penman, Hugh J. Phillips, Enoch Raskie, Myron Francis Reese, John A. Rice, John Rocoskie, Michael Ronack, Lambert J. Ruffing, Thomas Davies Samuel, John Joseph Sapp, Victor Scarnitskie, Clarence Schrepple, John Joseph Shecora, Adam Sheeler, Walter Shipman, George Carson Shoffstall, Joseph John Sineavage, John Philock Smith, Andrew Snyder, Wilbert C. Snyder, Anthony Strike, Harry Daniel Swartz, George A. Taylor, Otto F. Trefsgar, Mason Edwin Trefsgar, Joseph F. Tuskosky, John Ushock, Joseph Valentine, John Velinski, Anthony E. Wasilewski, James Weikel, James Woods, Otto Yetski, Vincent Yuskowski.

HAZZLETON

DAVID J. RODERICK, MINE INSPECTOR,  
15th DISTRICT

## MINE FOREMEN

John Augustin Boyle, Patrick J. Brogan, Edward J. Carter, Joseph Cartwright, James B. Cortese, William D. Davidson, Grant A. Davies, Jenkin Davis, Michael J. Gornal, Richard Hellon, Oliver S. Jenkins, Stephen Lawrence, Leopold M. Lescovitch, John Joseph Malloy, John Medvetz, Raymond W. Minnich, James Joseph Mulhall, John Petruska, Michael Senick, John F. Sharpe, Raymond Hall Shelley, Millard W. Stauffer, Charles M. Thomas, William Oscar Whitebread, George Washington Whiteneck, Joseph H. Winters.

## ASSISTANT MINE FOREMEN

George Barron, Harry Jacob Becker, John Bitsko, Joseph Black, Eugene Blaner, Henry Kephart Boock, Peter Butchko, Oliver Grant Butterwick, Stanley Cierlitekey, Tony Cipriano, John Edward Conaghan, Thomas H. Corbey, George Crynock, Nicholas Dellisanti, Thomas Morgan Evans, Millard Filmore Fegley, Joseph Fellin, Patrick J. Ferry, John A. Fidishum, Charles Franklin Frey, John Paul Frimmel, Michael Fritz, William J. Gaffney, Peter Halko, Michael Joseph Hanley, Thomas D. Haughton, Casper J. Hayden, John Leroy Heller, William Henry Heller, Edwin R. Houser, Evan L. Jenkins, Arthur D. Jeffreys, Foster Ananiah Job, John Kannuck, Harold R. Karchner, Walter

Charles Karchner, Arthur H. Koch, Joseph Kollessar, John Kostick, Anthony F. Kupectz, Joseph Francis Lee, Thomas Marshall, Milford McElmoyle, John McFadden, Frank J. McHugh, John McNelis, Thomas P. McNelis, William Meyers, Jr., Edward Roy Miller, Edward F. Mulligan, Stephen J. Novotnay, Edward J. O'Donnell, James Penberth, Frank J. Poklemba, Albert E. Reese, John Reobold, John A. Reshetar, John Wilbert Ronemus, Thomas R. Rosser, Eugene Richard Rossi, Peter Sartone, John Saxon, Anthony Schriebmire, Edward Skulsky, Henry James Steimling, Melvin L. Straub, Harry Sube, Lewis Thomas Uekno, Gustav Julius Voth, John R. Williams, Martin G. Woodworth, Stephen Yench, Joseph Zmuydin.

**NANTICOKE**

**FRANK KETTLE, MINE INSPECTOR,  
18th DISTRICT**

**MINE FOREMEN**

William Wynn Everett, Edward Vincent Gallagher, Joseph Golembeski, Edward Aaron Keiser, Frank E. Kielar, Harry Wagner Lutz, William E. Morris, Stanley L. Nichols, Ernest Albert Ogin, Harry Merton Ruth, George Strickland.

**ASSISTANT MINE FOREMEN**

Jack Crackett, Glyndwr Davies, Stanley Delestowicz, William Dobson, Joseph Egri, Andrew Gibala, Thomas John Hughes, Richard James, Thomas Glyn Jenkins, Clifford Jones, John Kane, Lawrence W. Kulp, David William Lewis, John William McCloskey, Peter Vincent McLaughlin, Charles William Naugle, Henry W. Nork, Bruce William Ogan, Henry James Ormandy, Thomas Price, Andrew Ezio Querci, William Rachunas, Gordon Reese, Gordon Albert Richards, James Sanders, Clyde Saxton, Gordon J. Simonson, Thomas Henry Spacey, Anthony Charles Sponauer, John F. Stone, Jacob Swanbery, Roy Edward Swanbery, David Thomas, George Tomek, Anthony Urban, Patrick Thomas Wallace, William Campbell Wallace, Clifford Burton Wilson, John Whelan, Peter Yunevitch.

**POTTSVILLE**

**CHARLES G. FROMME, MINE INSPECTOR,  
19th DISTRICT**

**MINE FOREMEN**

Edward G. Lloyd, Albert Morgan, Andrew Jackson Morgan, Joseph M. Walsh.

**ASSISTANT MINE FOREMEN**

Howard W. Adams, Raymond H. Artz, Charles Martin Ball, John Elkin Bohr, John J. Breslin, Martin Buggy, James Thomas Clough, Arthur Jeremiah Davis, Ralph Andrew Ditzler, Eamil Fromme, George Gottschall, Walter Raymond Harman, Edgar Heberling, Clarence D. Herb, Roy Elmer Hesser, Clyde Jefferson, Cleon C. Klinger, George Henry Long, James Benedict McDonald, Michael V. McDonald, Francis Joseph McGovern, John Henery Medvic, John H. Miller, Robert Morgan, Robert W. Noah, Francis O'Connor, John Ondeck, Harry Dewey Schminky, Thomas H. Stephens, Michael Tokarick,

Charles Tomchany, Peter H. Troutman, Emmett R. Ward, John Ward, John H. Willier, Charles J. Winterer, Albert Woodford, Louis Yesville.

SCRANTON

DAVID T. WILLIAMS, MINE INSPECTOR,  
6th DISTRICT

### MINE FOREMEN

Harry Abbott, James Abbott, David Stewart Anderson, Stewart Alexander Bennett, Albert Edward Berry, John Boland, Frank A. Bonner, Lowther Tennant Brown, Harry Michael Bulger, Robert Burns, John William Burton, Matthew Leo Cavanaugh, John Joseph Clifford, Daniel V. Conniff, Anthony James Earley, Frederick George Eaves, William John Fletcher, John Gardner, Anthony Garlinsky, Joseph Garrett, Francis Edward Gately, Owen H. Golden, Joseph J. Haberthier, Harry Lester Hardenstine, Ralph Henry Harvey, John Leonard Helms, William Hooper, Abel Howarth, James Wilbur Howell, Hubert Hoyes, William Henry Hurst, William St. John Inman, Herbert Edgar James, John Patrick Jennings, Sofus Marins Jensen, Thomas Johnson, William Colenso Jones, James Theodore Kell, John G. Kell, Daniel George Kelly, Harry James Labaranti, Herbert Eli Levalley, Foster James Lutey, Wilfred P. Mackle, Augustus W. McDade, Jr., Michael J. McGraw, James McHugh, Fred Milner, George B. Morris, Thomas Robert Moses, Alexander Muncie, Edmund O'Brien, Edward Orr, Harold William Owens, David Thomas Parry, George William Parry, John Patterson, William John Pearce, George Purdy, Edward Francis Race, John James Reap, Everett Rodman Reese, Steven Regenye, Edward Dutton Reid, Joseph Lee Reynolds, Jr., John Richards, Edward Isaac Robson, Alfred James Rodway, Arthur Edward Singer, Frank E. Smith, Joseph E. Speicher, Henry Strubeck, Vincent Peter Swartz, William H. Swartz, Peter Sylvester, Daniel Thomas, William Gordon Thomas, James Wardley Trevitt, Albert Victor Van Horn, Domenic Vecchi, John Vitalie, Robert Kenneth Von Storch, Joseph A. Walsh, Michael Walsh, Ralph C. Weber, Arthur William Welton, George White, Henry Wiesenmiller, John Wright, Andrew Yuhasz.

### ASSISTANT MINE FOREMEN

John Francis Barron, William Biglin, Daniel Chambers, Joseph J. Davey, John Kraynak, William Edison Margetson, Edward Jacob Moon, Arnold Frederick Moore, Joseph P. Mullen, Henry Harrison Null, Stephen Pawanda, Thomas Francis Powell, Thomas Rogers, Joseph Subliskey, Frank J. Sullivan, William Vasey, Albert John Williams.

WILKES-BARRE

T. J. WILLIAMS, MINE INSPECTOR,  
11th DISTRICT

### MINE FOREMEN

Joseph Davies, Edward Taylor Edwards, John C. Flanagan, James Chapman Gardiner, Albert Warren Hack, William Keirle, David Thomas Kitchener, Ray P. Lewis, James A. Lloyd, James McGrew, Jacob Frederick Miller, James Moffat, Joseph Shymanski, Max J. Subsack, Daniel Reese Thomas, Elmer Williams.

## ASSISTANT MINE FOREMEN

Leo George Allbert, William Arthur, Jr., Robert Austin, Elmer J. Banta, Matthew Barnes, Gavin Fletcher Barr, John Bisset, William Black, William H. Booth, Joseph Borkowsky, George Brodie, John Joseph Brown, Edward G. Burke, John Cameron, John J. Casey, Patrick Joseph Clune, Felix M. Conniff, Charles Joseph Connor, Louis Joseph Conway, Frank Cook, William Davies, Leo Davis, Vincent Devine, Patrick Dougherty, Allan P. Erickson, William Evans, William Francis, James T. Gartley, James Joseph Gavin, Francis Patrick Gerity, John Gettinger, John Henry Gibbons, Robert Gibson, Anthony Gill, Frank Handley, James Harfman, Thomas Brinley Harris, George W. Hayes, John Hepburn, Andrew Hudick, Morris Hughes, Jr., John Ivon James, Fred E. Jenkins, Raymond Thomas Jenkins, Isaac Jones, Willard Lane, Frank C. Lipski, Anthony Malonis, James A. Marshall, Morgan M. Miles, Eugene Miller, William Joseph Moore, David Morgan, Edgar Morgan, Evan J. Moses, John Peter Murphy, William Lewis Owens, Leslie Pearson, Charles C. Pennington, Thomas Halliday Phillips, Arnold Philpotts, Paul Phillip Porter, Thomas Powell, Griffith Pritchard, Stanley Peter Rice, David D. Robertson, Robert Rowlands, Stanley J. Siberski, Lewis Albert Skok, Frank Smith, Louis Superko, Joseph Stanley Swinski, Jechonias Thomas, Ernest A. Van Why, Bartlett J. Waite, Maurice Wendel, Calvin Williams, William Edwin Williams.

In 1928 the examinations were held in six districts, April 10 and 11.

*Place*                                      *Chairman of Board*

ASHLAND                                      JAMES QUIGLEY, MINE INSPECTOR,  
22nd DISTRICT

## MINE FOREMEN

Wesley Robert Brassington, James Edward Brennan, Jr., James Bryson, John Burke, John J. Chapman, Stephen Chornack, Edward J. Devine, Edward J. M. Diehl, John Gallagher, Thomas Graham, Patrick J. Kane, John F. McCauley, William McNelis, Harry Simpson Mutchler, Alonzo Neal, Enoch Raskie, Myron Francis Reese, Squiro Johnson Spelding, Harry Daniel Swartz, Cornelius A. Watkins, Henry G. Willard, William J. Williams, James Woods.

## ASSISTANT MINE FOREMEN

William Allen, Peter Andrulewicz, George W. Berger, Ignatius Edward Brennan, John Burnoskie, Joseph J. Carroll, Joseph Chornack, Fred D. Colross, Walter J. Cress, Edward Joseph Curley, David Daniels, Frank Joseph Dettrey, Edward M. Donohue, Michael Joseph Dugan, Charles Raymond Duncheskie, John Farrell, Charles Henry Fertich, William H. Flanagan, John P. Garvey, Stanley Francis Gudaitus, William Guise, Isaac Gulliver, Charles Joseph Hirsh, James Hodges, Joseph H. Jefferson, Clarence Jones, Earl Michael Klees, Luke Kupchinski, Patrick Andrew Lally, Edward Vincent Larkin, John Mallick, Michael Masalko, Frank James McCafferty, James McGill, George T. McCabe, Gus Michalski, Bolieh Misavage, James Ramond Muldowny, Daniel Francis Munley, Heward Leo Murray, Andrew

Nemeth, John S. Novitskie, Leo Oshinski, Charles Victor Paul, George Petrouskie, John J. Revels, Evan Davies Samuel, George Franklin Shaffer, Stanley Eddy Shalongo, Joseph Andrew Shopple, Marshall J. Smith, John Allen Spears, Frank Subach, Levi Zuinglius Swinehart, Lewis Tersavige, William Vincent Walsh, George Henry Williams, Thomas Edward Wolfgang, Barney B. Wydra.

HAZLETON

DAVID J. RODERICK, MINE INSPECTOR,  
15th DISTRICT

### MINE FOREMEN

Harry Jacob Becker, Peter Butenko, Oliver G. Butterwick, John Chire, James Jerome Clark, Robley D. Emanuel, Joseph Fellin, John A. Fidishun, Charles Franklin Frey, James R. Glennon, Thomas E. Glennon, Stanley James Harlor, Casper Hayden, John S. Hennick, Wilfred Henry Howard, Walter Stanley Jones, John Kannuck, John K. Kish, William Charles Kistler, Arthur H. Koch, John Labance, Joseph Francis Lee, Stephen J. Novotney, Daniel Ray Sachs, John Saxon, Daniel Suitch, Jr.

### ASSISTANT MINE FOREMEN

Fred A. Bellhorn, Daniel Arner Bloss, Amos D. Brosious, William J. Brimmer, Balant Budna, John J. Carpenter, Charles H. Clements, Neil J. Conahan, Michael Condor, Thomas C. Coombe, William Brynley Davies, John Demko, Jr., John Dougherty, Thomas Fairley, Steve Gregor, William Harvey, Adam Hyduchek, David Jonathan Jones, Frank Keast, William George Kelps, Casper Kirchdoerfer, Charles Kish, John J. Laganoski, Joseph F. Mahalick, John E. Mars, Charles V. McGeehan, William Roy McCurley, George Mitchell, Leonard Branch Newton, George Novotnak, Anthony J. Nowak, Bernard O'Donnell, Stephen Oracko, Joseph Potochney, Hopkin Rees, William F. Rudewick, Michael Sabol, Wilfred Semmens, John J. Shearon, William L. Shinton, John Soda, George Tomko, George Bernard Uricheck, Robert E. Watkins, John Yalch, Nicholas Yalch.

KINGSTON

THOMAS J. WILLIAMS, MINE INSPECTOR,  
11th DISTRICT

### MINE FOREMEN

Norman Frederick Becker, John Bennett, William E. Booth, Edward G. Burke, William John Davies, John Lindsay Dunsmuir, Edward Paul Flynn, Robert Fulton, George P. Gallagher, Jr., Frank Handley, John Hepburn, John M. Hislop, Morris Hughes, Jr., William Hughes, Raymond Thomas Jenkins, Michael Albert Kielty, Thomas F. Kielty, George Kneise, Albert D. Kocher, Henry Dewitt May, Randolph M. Monteith, Edgar Morgan, Howard Stanton Oster, John W. Powell, Michael Rocko, Adam G. Ryscavage, Joseph Stanley Swinski, Ewart Emlyn Thomas, Herman B. Thomas, Floyd C. Williams, Thomas E. Williams.

### ASSISTANT MINE FOREMEN

George Bennett, Frank Bigoski, John Brieling, John Bryce, Arthur H. Buffton, Francis Gerard Burke, Francis Lawrence Caffery, Bernard

Cairns, Benjamin Casner, John Cooper, Nelson Cottle, Michael Joseph Coval, Francis G. Daily, Vincent Dauksys, Patrick Joseph Dougherty, Harry Frey, Lawrence P. Heffers, Islwyn Jones, Raymond Jones, Sheldon Lewis Jones, Alexander Fisher Jordan, Joseph Kita, Wilbur Lewis Kresge, Mike Kuzmak, Gray Lacey, Sydney J. Lawrence, Thomas Lodwick, Steve Mergo, Clifford William Milsom, Joseph Miscavage, John Vincent Moran, Samuel G. Moseley, Rhys E. Pritchard, Andrew M. Prohaska, Ralph Ravert, Harry Reed, Garfield Roberts, Henry R. Rosnick, Morgan Lewis Sanders, Stanley Scovitch, Hugh Bruce Simpson, Ernest F. Smith, Harold Symons, Mike Venglosky, Joseph George Wall, Robert J. Williams, William John Williams, John Arthur Withey, Anthony Yesonis.

*NANTICOKE*

*FRANK KETTLE, MINE INSPECTOR,  
13th DISTRICT*

#### MINE FOREMEN

Hiram George, Andrew Gibala, Arthur Gray, John Kane, David William Lewis, William H. Mooney, Frank B. Nash, John Raub, George M. Reese, Elmer Shaw, Thomas Henry Spacey, Roy E. Swanbery, Howard Williams, William Woodland.

#### ASSISTANT MINE FOREMEN

Willard Allabaugh, William Bartlett, John N. Bittenbender, Benjamin Bloom, David Boyce, Joseph Brinzo, Charles Burrier, Charles Caley, Charles Cannon, John Carpenter, Meredith William Davies, Leon Ekker, Christopher Garrahan, Harold Harmer, George Hill, Ralph Hillard, Frederick R. Holbrook, William G. James, Robert W. Jenkins, Leonard Kaminski, Richard C. Kashner, Harry Krapf, George Kunigonis, Joseph S. Linkiewicz, Edward F. Maxwell, Martin McDermott, Frank B. Meshinski, Robert M. Muir, Ray Noss, Peter Novack, John O'Rourke, John J. O'Rourke, William T. Palmer, Freas Y. Partington, Frank Phillips, William Phillips, Frank J. Pleban, Stanley E. Pleban, John Pokrywa, George W. Reed, Thomas E. Ruck, Clemens A. Sergott, Charles Shaw, Bolish Shemaleski, Stanley Skladzien, John Soley, Michael Steeber, Edward Strickland, Joseph Syryca, Robert C. Thomas, William G. Thomas, Charles Wermuth, Ivor L. Williams, John J. Williams, Edward Wysocki, John J. Zigmantavage.

*POTTSVILLE*

*CHARLES G. FROMME, MINE INSPECTOR,  
19th DISTRICT*

#### MINE FOREMEN

Isaac Henry Adams, David E. Beveridge, Richard Casey, Lincoln Oliver English, James Norbert Farley, Edward Faust, Joseph M. Flanagan, Albert G. Hoffman, Melvin Peter Hughes, James J. Kreitzer, Arthur J. Luxton, Michael Vincent MacDonald, John Marley, Marvin H. Martin, John Ondeck, Thomas M. Radel, Thomas H. Schreffler, Thomas H. Stephens, Henry H. Sterling, David Thomas.

#### ASSISTANT MINE FOREMEN

Emery F. Artz, Roy E. Artz, Fred Averill, Thomas F. Buggy, Carl W. Bush, George Bushick, John F. Connor, Elias Davis, Norman Benjamin Delp, Lyle Cyril Devers, George I. Erbe, Elmer Fahnestock,

George Feher, John Alfred Gottschall, Michael Haley, Robert H. Hand, William Hoover, William Henry Hughes, Paul James, Walter H. Jones, John Juritsko, Frank Kachura, John Kaloveak, William Joseph Kane, Frederick G. Keich, Emerson Kimmel, Valentine Thomas Klein, Jr., Frank Klocek, Leo McCready, John J. McGurk, Joseph J. Motto, William Elisha Murten, John J. Nolan, James D. Phillips, Joseph A. Pogera, Zigmund Puklavage, Paul Riffon, Roy Robertshaw, Andrew Romanavage, William Romberger, Warren H. Schaeffer, Robert O. Schneider, Elmer H. Schucker, Ray Edgar Showers, Charles F. Simmet, Thomas Edward Smieh, David Joseph Smith, Horatio Hunter Watson, John Edward Williard, David Daniel Workman, Herbert Allan Zerbe, Leon Peter Zilker.

*SCRANTON*

*D. T. WILLIAMS, MINE INSPECTOR,  
6th DISTRICT*

### MINE FOREMEN

Charles Agantovich, Frank Appon, Joseph Badman, Daniel R. Baileys, Brinford Robert Brock, John Willard Buch, Stanley Burke, Francis Patrick Burns, Joseph John Cecil, Joseph Patrick Clark, Sterling Keith Conkey, William Leo Cummings, Richard Dale, Frederick Davis, Herman Davis, Vincenzo De Angelis, John Wright Diamond, George Dobbie, John A. Dutchman, Peter Joseph Flynn, William Freeman, James Joseph Gallagher, James Gaul, George Gavenda, Leon Joseph Gavin, Edward Francis Griffin, John Heritesko, Michael G. Hiznay, Stephen Hockaday, Peter Hughes, Thomas H. Jenkins, Everett M. Keen, Joseph Koval, Bernard Krakowski, Robert Laird, John Thomas Lapper, William Isaac Lewis, Clarence Frederick Linde, William Edward Locke, Joseph Lynch, Thomas Raymond Lynch, Alexander Ross MacKean, John William MacKenzie, Frank George Mako, Edward Malia, Gilardi Mariotti, John Aloysius Marley, John Sidney Marshall, William James Martin, Anthony McAndrew, John Francis McColligan, Bert Maze McDonald, Patrick J. Meehan, John Andrew Metro, Peter Minaka, Thomas Francis Murray, Joseph Nixon, Joseph Olivetti, Frank Passarelli, Abraham Pearson, Jr., Alexander Przekop, Alexander Pucilowski, Theodore Davis Rees, Clarence Gleason Reese, Albert Victor Rowlands, Henry Schuster, Carl H. Seeling, Stanley Joseph Skutack, John Smith, Jerry Fahringer Stanton, Robert Henry Stark, John Edward Stein, Griffith Lewis Williams, Willard LeRoy Yates.

### ASSISTANT MINE FOREMEN

James Allardyce, Percy Maxwell Cassidy, Michael John Chimelski, Charles Davis, Earl Hall, William Hitchings, William John Jones, Peter Krohto, Emil Laub, Anthony James Munley, Donald Archibald Nicholas, Jason Eugene Niemeyer, Robert Francis Reilly, Lewis Donald Richards, Charles Savage, George Allison Stenzhorn, Wesley Irvin Stonebraker, Edward Moses Thomas, Frank Uronis, William James Westington.



I. ACCIDENTS  
A—Causes of Fatal Accidents, by Counties, 1927

Causes	Carbon	Columbia	Dauphin	Lackawanna	Lucerne	Northumberland	Schuylkill	Susquehanna	Wayne	Total
Inside										
Falls of coal at face										30
Falls of coal at pillar work				4	11	2	13			13
Falls of coal on gangway				3	7		2			9
Falls of coal in old workings					2		1			1
Falls of coal in chute					1					1
Falls of coal in heading			1							1
Falls of slate at face										11
Falls of slate at pillar work					2	5	4			4
Falls of slate on gangway					1		3			4
Falls of slate in chute					1					1
Falls of slate on gangway					1					1
Falls of roof at face	1									1
Falls of roof at pillar work				30	37	6	4			78
Falls of roof on gangway				24	20		3	1		49
Falls of roof in cross-cut				9	14	1	2			26
Falls of roof in old workings				1	1					2
Falls of roof in chamber					1					1
Falls of roof in chamber					1					1
Cars on gangway	2		2	12	16	7	1			43
Cars on slope					3		1			4
Cars in chamber				1						1
Cars in airway, heading				3						3
Cars on plane				1						1
Explosions of gas in chamber					16		13			29
Explosions of gas in chute	2									7
Explosions of gas on gangway				4	2	2	3			11
Explosions of gas on slope				2	4					6
Suffocation from gas		1	1							2
Explosions of dynamite	1			2	1	4	2			9
										6

	10	4	5	120	12	21	4	14	1	53
Blasts, premature or otherwise					1	12				
Falling down shaft					1	1				4
Thrown against cage						1		1		4
Electricity on slope, gangway					2	1	1	2		6
Crushed at battery in chute	1									1
Animals						1				1
Machinery						1				1
Falls of persons	2	1				8	1	8		10
Rush of coal in chamber	1	2				4	1	11		19
Struck by rock from gob					1	1				2
Struck by coal that he was barring down					1	1				2
Falling objects						2	1	1		4
Struck by timber dislodged or being handled					1	2				3
Struck head against trolley wire					1	1				2
Struck by tall rope					1	1				2
Caught by steel rail						1				1
Out shoveling coal—infection					1	2				3
Hernia—lifting prop					1	1				2
Fractured ribs—cause unknown					1	1				2
Total	10	4	5	120	181	38	98	2		456
Outside										
Mine cars					1	2	2	2		7
Railroad cars					1	2	1	1		5
Machinery						1	1	3		5
Electricity					1	2		1		4
Rush of culm			1				1			2
Falling objects						1		1		2
Blast						1		1		2
Struck by barrel of oil					1					2
Struck by timber						2				2
Struck by pulley						1				2
Fall of person					2			1		3
Fall of rock stripping						1				2
Caught by rope						1				2
Hernia—lifting								1		1
Total			1	7	18	4	11			36
Grand total	10	4	6	127	194	40	109	2		492
Percentage	2.03	.81	1.22	25.81	38.43	8.13	22.16	.41		100

A—Causes of Fatal Accidents, by Counties, 1928

Causes	Carbon	Columbia	Dauphin	Lackawanna	Luverne	Northumberland	Schuylkill	Sullivan	Susquehanna	Total
Inside										
Falls of coal at face	3			3	9	2	8			25
Falls of coal at pillar work			1	5	21		5			27
Falls of coal on gangway					1		6			7
Falls of coal in chamber				1	4					5
Falls of coal in heading						1				1
Falls of slate at face					2	6	4			12
Falls of slate in chamber					4					4
Falls of slate on gangway						1	1			2
Falls of roof at face				20	23	5	6	3		57
Falls of roof at pillar work	1			25	25		6			51
Falls of roof on gangway	1			5	15	2	4			27
Falls of roof in heading				3	1					4
Falls of roof in chamber				1	14	1	2			18
Falls of roof on slope					1					1
Cars on gangway or tunnel	1			7	22	4	7			41
Cars in chamber				1						1
Cars on plane					1					1
Cars on slope					2	1				3
Explosions of gas at face	1				4		2			7
Explosions of gas in chute					1		1			2
Explosions of gas in chamber					16	1	8			25
Suffocation from gas					2		3			5
Explosions of powder and dynamite					2					2
Blasts, premature or otherwise				12	9		1			22
Suffocation from fumes from shot	2				1		1			4
Falling down shafts, slopes	1			1	2	1	1			5
Objects falling down shafts					1	1	2			4

Caught by cage in shaft		1				1							1								4
Falling down chamber																					7
Electricity on gangway		1																			3
Animals						2															3
Caught in tigger car bolt																					1
Caught in pumping machinery																					1
Cut-infection									1												1
Drowned in sump									1												5
Found dead at face of idle chamber																					1
Over-exertion																					1
Platform broke—fell																					1
Ran against halter chain in stable																					1
Rush of coal, mud and water—chamber																					1
Struck by timber dislodged or being handled						2															5
Struck by coal that rolled down chute									2												4
Struck by coal he was barring down						1															2
Thrown from car on slope															1						1
Total	10	1	1	91	200	30	78	2	1	414											
Outside																					
Mine cars																					14
Railroad cars									4												4
Machinery																					7
Blast—stripping																					1
Caught by carriage, top of shaft																					1
Caught by wrench and side of car																					1
Fall of person									1												1
Rush of culm																					2
Struck by timber									1												1
Struck by rock and clay from bank																					1
Total	2			12	8	1	9	1	88												
Grand total	12	1	1	103	208	31	87	3	447												
Percentage	2.69	.22	.22	23.04	46.58	6.94	19.47	.67	100.00												

## B—Accidents in Which Five or More Persons Were Killed, 1847-1928

Date	Name of colliery	Location of colliery	Cause of accident	Killed
1847 Feb.	Spencer	Pottsville	Explosion of gas	7
1869 Sept. 6	Avondale	Plymouth	Mine fire	110
1870 March 22	Potts	Locust Dale	Boiler explosion	5
Aug. 10	Helms and Glassmire	Middleport	Cage falling down shaft	9
Aug. 29	Preston No. 2	Girardville	Car falling down slope	7
1871 May 27	West Pittston	West Pittston	Suffocation by smoke from burning breaker	20
Oct. 2	Otto Red Ash	Branch Dale	Explosion of gas	5
1873 June 30	Henry Clay	Shamokin	Explosion of gas	10
1877 May 9	Wadesville	Wadesville	Explosion of gas	7
1878 Jan. 15	Potts	Locust Dale	Explosion of gas	5
1879 May 6	Audenried	Audenried	Explosion of gas	6
Nov. 2	Mill Creek	Mill Creek	Explosion of gas	5
1880 May 2	Lykens Valley	Shamokin	Explosion of gas	5
1882 May 24	Kobbinor	Shamokin	Explosion of gas	5
1884 Aug. 21	Buck Ridge	Shamokin	Mine fire	7
1885 April 6	Cuyler	Raven Run	Fall of roof	10
Aug. 11	West End	Mocansqua	Suffocation by gas from boiler fire	18
Oct. 21	Plymouth No. 2	Plymouth	Explosion of gas	6
Dec. 19	Nanticoke No. 1	Nanticoke	Inrush of quicksand	26
1886 Aug. 30	Fair Lawn	Scranton	Explosion of gas	6
Sept. 13	Marvine	Scranton	Suffocation by gas	8
Nov. 26	Conyngham	Wilkes-Barre	Explosion of gas	12
1887 April 27	Tunnel	Ashland	Suffocation by gas	5
Oct. 1	East	Big Mine Run	Explosion of gas	5
1889 May 9	Kaska William	Middleport	Car falling on cage in shaft	10
1890 Feb. 1	Nottingham	Plymouth	Explosion of gas	8
March 3	South Wilkes-Barre No. 3	Wilkes-Barre	Explosion of gas	8
April 2	Susquehanna No. 4	Nanticoke	Explosion of gas	5
May 15	Jersey No. 8	Ashley	Explosion of gas	26
1891 Feb. 4	Spring Mountain No. 1	Jeanesville	Drowned by water from old workings	13
Oct. 23	Richardson	Glen Carbon	Suffocation by gas	7
Nov. 8	Susquehanna No. 1	Nanticoke	Explosion of gas	12
1892 April 20	Lytle	Minersville	Drowned by water from old workings	10
July 23	York Farm	Pottsville	Explosion of gas	15
1893 April 1	Nelson	Shamokin	Mine fire	10
June 22	Susquehanna No. 1	Nanticoke	Explosion of gas	5
Sept. 21	Lance No. 11	Plymouth	Explosion of gas	6
1894 Feb. 13	Gaylord	Plymouth	Fall of roof	13
July 17	East Sugar Loaf	Stockton	Explosion of powder and dynamite	8
Oct. 8	Luke Pidler	Shamokin	Mine fire	5
Oct. 11	Henry Clay	Shamokin	Boiler explosion	6
1895 Feb. 18	West Bear Ridge	Mahanoy Plane	Explosion of gas	5
Oct. 7	Dorrance	Wilkes-Barre	Explosion of gas	7
1896 June 28	Twin	Pittston	Fall of roof	58
Oct. 29	South Wilkes-Barre No. 3	Wilkes-Barre	Explosion of gas	6
1897 Jan. 18	Wadesville	Wadesville	Crosshead falling down shaft	5
Sept. 28	Jermyn No. 1	Rendham	Mine fire	5
Oct. 30	Von Storch	Scranton	Mine fire	6
1898 May 20	Kaska William	Middleport	Drowned by water from old workings	6
Oct. 1	Midvale	Wilkes-Barre	Mine fire	5
Nov. 5	Exeter	West Pittston	Car falling on cage in shaft	3
1900 Nov. 9	Buck Mountain	Mahanoy City	Explosion of gas	7
1901 Oct. 25	Buttonwood	Plymouth	Explosion of gas	6
1902 Nov. 29	Luke Pidler	Shamokin	Explosion of gas	7
Dec. 9	South Wilkes-Barre	Wilkes-Barre	Explosion of powder and dynamite	5
1904 Jan. 30	Maple Hill	Mahanoy City	Explosion of powder and dynamite	5
May 5	Lance	Plymouth	Explosion of powder and dynamite	5
May 5	Locust Gap	Locust Gap	Mine fire	5
May 25	Williamstown	Williamstown	Suffocation by gas from mine locomotive	10
Nov. 2	Ashtedoss	Nanticoke	Falling down shaft	10
1905 Feb. 18	Lytle	Minersville	Fall of roof	5
March 9	Clear Spring	West Pittston	Falling down shaft	7
April 26	Conyngham	Wilkes-Barre	Falling down shaft	10

## B—Accidents in Which Five or More Persons Were Killed, 1847-1928—Concluded

Date	Name of colliery	Location of colliery	Cause of accident	Killed
1906 May 15	Shenandoah City	Shenandoah	Explosion of powder and dynamite	7
Aug. 6	Susquehanna No. 7	Nanticoke	Explosion of gas	6
1907 March 2	Holden	Taylor	Explosion of gas	7
June 18	Johnson No. 1	Priceburg	Explosion of gas	7
1908 May 12	Mount Lookout	Wyoming	Explosion of gas	12
May 13	Prospect	Midvale	Fall of roof	5
July 16	Williamstown	Williamstown	Explosion of powder and dynamite	6
Aug. 28	Warrior Run	Wilkes-Barre	Mine cars	6
1909 March 2	Pennsylvania No. 14	Pittston	Explosion of gas	6
Nov. 9	Auchincloss	Nanticoke	Mine fire	9
1910 Jan. 11	Nottingham	Plymouth	Explosion of gas	7
March 12	South Wilkes-Barre No. 5	Wilkes-Barre	Explosion of gas	7
1911 April 7	Pancoast	Throop	Mine fire	72
May 27	Cameron	Shamokin	Explosion of gas	5
Sept. 12	Martine	Scranton	Mine cars	5
Oct. 3	Drifton No. 2	Freeland	Cave-in	5
1912 Jan. 9	Parrish	Plymouth	Explosion of gas	4
1913 Aug. 1	East Brookside	Tower City	Explosion of gas	20
1914 May 29	Maryd	Maryd	Overwinding of cage	6
Sept. 16	Lehigh No. 4	Lansford	Explosion of gas	7
Dec. 9	Diamond	Scranton	Falling down shaft	13
1915 Feb. 17	Prospect	Wilkes-Barre	Explosion of gas	13
1916 Feb. 8	Lance No. 11	Plymouth	Explosion of gas	7
March 9	Hollenback No. 2	Wilkes-Barre	Explosion of gas	6
Aug. 8	Woodward	Edwardsville	Explosion of gas	6
1919 June 6	Baltimore No. 5 (Baltimore Tunnel)	Wilkes-Barre	Explosion of powder and dynamite	92
July 8	Lansford	Lansford	Explosion of gas	8
1921 March 9	Rahn	Seck	Explosion of gas	5
1922 Nov. 3	Eddy Creek	Scranton	Premature explosion of blast	6
1923 Feb. 21	Alliance	Middleport	Explosion of gas	5
June 26	Richards	Mount Carmel	Explosion of gas	5
Dec. 8	Mount Jessup No. 2	Jessup	Fall of roof	5
1924 June 6	Loomis	Nanticoke	Explosion of gas	14
1925 May 22	Woodward	Edwardsville	Explosion of gas	7
Aug. 3	Dorrance	Wilkes-Barre	Explosion of gas	10
1926 May 6	Randolph	Port Carbon	Explosion of gas	5
July 3	Pettebone	Kingston	Explosion of gas	7
Oct. 30	Susquehanna No. 7	Nanticoke	Explosion of gas	9
1927 May 26	Woodward	Edwardsville	Fall of roof, followed by explosion of gas	7
1928 May 26	Baltimore No. 5	Wilkes-Barre	Explosion of gas	10

## C—Occupations of Persons Fatally Injured, by Counties, 1927

Occupations	Carbon	Columbia	Dauphin	Lackawanna	Luzerne	Northumberland	Schuylkill	Susquehanna	Total	Percentage
<b>Inside</b>										
Mine foremen					1	1			1	.22
Assistant mine foremen				1	2	1	1		5	1.10
Fire bosses					1		1		2	.44
Miners	7	4	3	52	87	24	81		258	56.58
Miners' laborers			1	41	54	3	10	2	111	24.34
Machine runners and scrapers				4	2				6	1.31
Motormen	1			1	1				3	.66
Motormen's assistants	1			4	3				8	1.75
Drivers and runners				1	7	4			12	2.63
Trackmen				1	1		1		3	.66
Brattlemen				1	1		1		3	.66
Timbermen and rockmen				4	1	1			6	1.31
Pumpmen and pipemen					1				1	.22
Electricians				2	2				4	.86
Doorboys			1		2				3	.66
All other employes	1			3	16	3	3		32	7.02
<b>Total</b>	10	4	6	120	181	36	98	2	456	
<b>Percentage</b>	2.19	.86	1.10	26.32	39.69	7.89	21.49	.44		100.00
<b>Outside</b>										
Foremen				1			1		2	5.56
Carpenters					1				1	2.78
Machinists				1	1				2	5.56
Statepickers (men)							1		1	2.78

All other employes .....	1	6	11	4	9	31	86.11
<b>Total</b> .....	1	7	15	4	11	96	
<b>Percentage</b> .....	2.78	19.44	36.33	11.11	30.56		100.00
<b>Grand total</b> .....	10	4	6	127	194	40	109
						2	492



C—Occupations of Persons Fatally Injured, by Counties, 1928

Occupations	Carbon	Columbia	Dauphin	Lackawanna	Luzerne	Northumberland	Schoykill	Sullivan	Susquehanna	Total	Percentage
<b>Inside</b>											
Mine foremen	1									1	.24
Assistant mine foremen					3	1	2			6	1.45
Fire bosses				47	3	3	2			5	1.21
Miners	2	1		87	37	21	61	1		212	51.21
Miners' laborers	1		1	82	62	2	9	1	1	98	23.67
Machine runners and scrapers				2						2	.72
Motormen	1			1	3					5	1.21
Motormen's assistants				1	3	1				5	1.21
Drivers and runners				2	8	1				10	2.42
Trackmen				2	11	1	4			18	4.35
Brattiesmen					1					1	.24
Timbermen and rockmen	2			2	7	2	5			18	4.35
Pumpmen and pipemen				1		1				2	.48
Doorboys					4					4	.97
All other employes	2			2	19	1	5			29	7.09
<b>Total</b>	10	1	1	91	200	20	78	2	1	414	
<b>Percentage</b>	2.42	.24	.24	21.96	48.31	7.25	18.84	.48	.24	100.00	
<b>Outside</b>											
Foremen				1		1				2	6.06
Carpenters								1		1	3.03
Engineers and firemen					2					2	6.06
Trackmen				1						1	3.03

Statepickers (boys) .....	2	1	1	1	8	9	1	9	1	1	3.03
All other employes .....	2	12	2	1	2	6	1	1	25	78.79	
<b>Total</b> .....	6.06	86.37	24.24	3.03	27.27	8.08	100.00				
<b>Percentage</b> .....	12	1	103	31	87	3	1	447			
<b>Grand total</b> .....											

D—Nationality of Persons Fatally Injured, by Counties, 1927

Nationality	County										Total	Percentage
	Carbon	Columbia	Dauphin	Lackawanna	Lucerne	Northumberland	Schenck	Susquehanna				
Inside	6	4	5	26	57	30	24				152	33.33
American	1			6	2	2	12				24	5.95
Austrian					1						1	.22
Croatian					1						1	.22
Danish					4						4	0.91
English				7	1						8	1.81
French				1	1						2	0.44
German				1	1						2	0.44
Greek					1						1	0.22
Hungarian					1						1	0.22
Irish				1	1						2	0.44
Italian				12	11						23	5.11
Lithuanian				11	16						27	5.95
Polish	1			22	55	7	17				102	22.36
Portuguese				1	2						3	0.66
Russian				10	7	4	0				21	4.62
Scotch				1	1						2	0.44
Serbian				1	1						2	0.44
Slavonian				7	10	1	3				21	4.62
Spanish				1	1	1	1				4	0.88
Swedish					1						1	0.22
Tyrolean					2						2	0.44
Ukrainian				1	1						2	0.44
Welsh				3	1						4	0.88
<b>Total</b>	<b>10</b>	<b>4</b>	<b>5</b>	<b>120</b>	<b>161</b>	<b>30</b>	<b>90</b>	<b>2</b>	<b>2</b>	<b>456</b>	<b>100.00</b>	
<b>Percentage</b>	<b>2.19</b>	<b>.88</b>	<b>1.10</b>	<b>26.32</b>	<b>35.09</b>	<b>7.69</b>	<b>21.60</b>	<b>.44</b>	<b>.44</b>			

Outside

American					6	10	2	8		36	72.22
German								1		1	2.78
Italian						1		1		2	5.56
Lithuanian						1				1	2.78
Polish						1	1	1		3	8.33
Russian				1	1					2	5.55
Slavonian							1			1	2.78
Total			1	7	18	4	11			36	
Percentage			2.78	19.44	36.11	11.11	30.56				100.00
Grand total	10	4	6	127	194	40	109	2		482	

D—Nationality of Persons Fatally Injured, by Counties, 1925

Nationality	County										Total	Percentage
	Carbon	Columbia	Dauphin	Lackawanna	Luzerne	Northumberland	Schuylkill	Sullivan	Susquehanna	Total		
<b>Inside</b>	6	1	1	23	78	16	83				109	39.16
American	3			7	7	1	8				22	5.32
Austrian				1							1	.24
Danish				4	6						10	2.42
English				1	2						3	.73
German				5	1						6	1.48
Greek				5	2						7	1.69
Irish				13	11	1	2				27	6.52
Italian				4	18		20				42	10.14
Lithuanian				4	2						6	1.48
Montenegrin	1			16	46	0	7				61	19.57
Polish				5	1						6	1.48
Portuguese				5	20	2	7				34	8.50
Russian				1	2						3	.73
Scotch				7	4		6				17	4.25
Slavonian				2	2						4	1.00
Spanish											0	0.00
Syrian					3		1				4	1.00
Swedish											0	0.00
Tyrolean				2		1					3	.73
Ukrainian				2							2	.48
Welsh				2	5						7	1.69
<b>Total</b>	<b>10</b>	<b>1</b>	<b>1</b>	<b>91</b>	<b>200</b>	<b>30</b>	<b>78</b>	<b>2</b>	<b>1</b>	<b>414</b>		
<b>Percentage</b>	<b>2.42</b>	<b>.24</b>	<b>.24</b>	<b>21.96</b>	<b>48.31</b>	<b>7.25</b>	<b>18.84</b>	<b>.49</b>	<b>.24</b>		<b>100.00</b>	

Outside

American	1				6	1			6	1				19	67.58
Austrian														2	6.06
Hungarian					1				1					1	6.06
Irish														1	2.02
Italian					2				2					4	12.12
Polish					1									1	2.02
Russian					1									1	2.02
Slavonian					2									2	6.06
Spanish									1					1	6.06
Welsh														1	3.03
<b>Total</b>	<b>2</b>				<b>12</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>9</b>	<b>1</b>			<b>53</b>		
<b>Percentage</b>	<b>6.06</b>				<b>36.37</b>	<b>24.24</b>	<b>3.03</b>	<b>3.03</b>	<b>27.27</b>	<b>3.03</b>				<b>100.00</b>	
<b>Grand total</b>	<b>12</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>103</b>	<b>208</b>	<b>31</b>	<b>87</b>	<b>87</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>447</b>		

E—Nationality of Employees and Number Killed, 1927-1928

Nationality	1927					1928								
	Employees		Fatalities			Employees		Fatalities						
	Inside	Outside	Total	Falls	Total inside	Total outside	Total inside and outside	Inside	Outside	Total	Falls	Total inside	Total outside	Total inside and outside
American	54,568	28,457	83,025	72	152	26	178	56,195	27,186	83,381	79	156	19	177
Austrian	4,922	1,431	6,353	9	24		24	4,927	1,980	6,907	11	22	2	24
Belgian	18	11	29					19	1	20				
Bohemian	67	11	78					40	6	46				
Canadian	47	10	57					53	8	61				
Croatian	65	2	67		1		1	180	130	310				
Danish	32	3	35		1		1	25	3	28	1	1		1
English	2,102	562	2,664	6	11		11	2,027	460	2,487	6	10		10
Finnish	48	1	49					22		22				
French	46	4	50	1	1		1	35	4	39				
German	1,258	332	1,640	1	4	1	5	1,203	330	1,533	3	3		3
Greek	679	145	824	1	2		2	789	220	1,009	1	1		1
Horvat	75	10	85					59	6	64				
Hungarian	944	308	1,252	1	4		4	1,024	338	1,362			1	1
Irish	2,101	613	2,714	2	3		3	1,742	539	2,281	4	7	1	8
Italian	9,960	2,262	12,222	15	25	2	27	9,250	1,846	11,096	21	27	4	31
Lithuanian	10,099	717	10,816	25	56	1	57	9,298	573	9,871	26	42		42
Mexican	161	1	162					24	2	26				
Montenegrin	111	1	112					139	1	140	1	2		2
Polish	21,649	1,659	23,308	55	102	3	105	20,706	1,872	22,578	52	61	1	53
Portuguese	178	3	181	2	4		4	164	2	166				
Russian	6,296	1,000	7,296	11	27	2	29	6,071	893	6,964	18	24	1	25
Scotch	782	178	960	1	2		2	757	107	864	3	3		3
Serbian and Serbian	34	1	35		1		1							
Slavonian	7,242	1,374	8,616	16	23	1	24	6,464	1,137	7,601	12	16	2	18
Spanish	614	3	617	3	4		4	607		607	2	2	1	3
Swedish	173	44	217		1		1	160	41	201	2	3		3
Swiss	9	53	62											
Syrian	22	44	66					166	44	210	1	1		1
Tyrolean	523	40	563	2	2		2	508	39	547	1	1		1

Ukrainian	130	1	131	2	2	151	151	1	2	2
Welsh	2,597	337	2,934	4	4	2,720	325	3	7	7
Other Nationalities	40	8	48			7	7			1
Total	127,952	39,696	167,648	232	456	124,162	26,569	243	414	33
							160,721			447



## F—Operators Having Fatalities, 1927

	Causes of fatalities inside						Causes of fatalities outside						Fatalities inside and outside per 1,000,000 man-days	Fatalities inside and outside per 1,000,000 tons produced	Production per fatality (net tons)
	Causes of fatalities inside						Causes of fatalities outside								
	Falls	Cars	Gas	Electricity	Miscellaneous	Total	Cars	Machinery	Electricity	Miscellaneous	Total	Fatalities inside and outside			
Alden Coal Co.	1				1	2						2	9.44	5.51	131,628
Barry Coal Co.					1	1			1	1		1	102.72	11.353	11,353
Buck Mountain Coal Mining Co.	1				3	4						4	64.81	30.84	32,818
Buck Run Coal Co.	1		2			3						3	20.73	10.10	95,861
Colonial Colliery Co.	1	2			1	4						4	11.73	4.91	203,812
Conlon Coal Co., John	1				1	1					1	1	9.69	6.30	158,636
Soxte Brothers & Co., Inc	2				1	3						3	6.49	2.86	349,743
Godson & Co., Charles M.	2				1	3						3	26.28	14.21	79,338
East Bear Ridge Colliery Co.					2	2						2	17.06	7.49	133,424
East Boston Coal Co.	1	2	1		1	5			1	1		6	40.65	22.76	43,934
Excelsior Coal Co.		1			1	1						1	11.86	4.05	246,960
Strackville Coal Co.					1	1						1	35.69	13.20	74,693
Allen Alden Coal Co.	47	8	7		17	79						79	16.40	7.82	127,328
Glendale Anthracite Collieries		1				1						1	8.17	5.64	177,152
Gorman & Campion					4	4						4	162.23	73.63	13,578
Grand Tunnel Coal Co.	1					1						1	33.21	18.57	53,839
Green Ridge Coal Co.	1					1						1	29.27	15.36	65,109
Haddock Mining Co.	2	1			1	4						4	10.16	4.72	212,015
Harleigh-Brookwood Coal Co.	2				1	3						3	6.61	3.03	330,005
Hazle Brook Coal Co.	1				4	5				1		6	14.20	4.44	235,327
Hillside Coal & Iron Co.	2				3	5						5	11.78	6.33	157,905
Hudson Coal Co.	23	4	5	1	9	43			1	2		46	13.20	5.83	171,477
Humbert Coal Co.	1			1		2						2	42.33	24.47	40,859
Jeddo Highland Coal Co.	1				2	3						3	9.77	4.95	200,715
Kingston Coal Co.	2				1	3			1			3	9.84	5.62	177,335
Lackawanna Coal Co., Ltd.	3	1			1	5						5	48.17	18.90	53,187
Lee Coal Co., George F.	1					1						1	12.95	8.66	116,672
Lehigh & Wilkes-Barre Coal Co.	15	2	7		9	23				1		24	11.21	5.61	178,387
Lehigh Coal & Navigation Co.	2	2	6	1	11	22				1		23	11.30	4.50	232,110
Lehigh Valley Coal Co.	19	2	4	1	5	31				1		32	12.48	5.22	191,417
Lehigh & Wyoming Valley Coal Co.	1					1						1	23.62	12.97	77,122
Lincoln Coal Co.					3	3						3	112.65	63.67	14,562

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Locust Mountain Coal Co.	1								1	1	3.94	1.91	534,529
Lytel Coal Co.	1										6.30	2.04	340,645
Mid City Coal Co.		1									28.52	11.12	99,935
Mill Creek Coal Co.	1										8.52	6.02	166,043
Moffat Coal Co.	1										35.25	16.05	60,058
Mount Lookout Coal Co.	1										14.77	5.99	111,243
Murrin Coal Co.	1										83.33	33.43	23,232
Northumberland Mining Co.	2										20.13	9.82	100,773
Pennsylvania Coal Co.	14										8.31	4.25	224,960
Phila. & Reading Coal & Iron Co.	17									3	11.10	5.44	133,023
Pine Hill Coal Co.	5										16.61	10.45	96,463
Quinn Coal Co., T. F.											110.16	109.59	9,145
Richmondsale Coal Co.											23.35	13.11	74,306
Saint Clair Coal Co.	1										6.05	2.53	305,532
Seranton Anthracite Coal Co.	1										71.10	30.17	33,140
Seranton Coal Co.	7										14.78	8.97	111,461
Shamokin Coal Co.	1										22.19	8.80	113,806
Shamokin Colliery Co.	1										45.05	3.89	237,345
Shipman Coal Co.											57.60	37.13	26,031
Shumaker, E. E.	1											5102.04	186
South Penn Collieries Co.	8										28.86	14.90	67,551
Spencer Coal Co.											17.06	11.94	88,184
Stackhouse Coal Co., E. S.											28.73	17.89	55,694
Suffolk Anthracite Collieries											17.09	6.01	166,207
Susquehanna Collieries Co.	17										14.41	7.41	135,034
Temple Coal Co.	3										7.89	4.31	232,079
West End Coal Co.											4.11	2.10	476,293
West Jernyn Coal Co.	1										116.10	153.52	6,314
Yatesville Coal Co.											55.07	17.16	58,265
Total	222	52	42	6	114	25.00	1.32	11.40	13.60	49.68	11.11	44.45	100.00
Percentages for Region	49.68	11.40	13.60	1.32	25.00	100.00	33.33	11.11	44.45	100.00	12.95	6.20	161,315

F—Operators Having Fatalities, 1928

	Causes of fatalities inside					Causes of fatalities outside				Fatalities inside and outside 1,000,000 man-days	Fatalities inside and outside per 1,000,000 tons produced	Production per fatality (net tons)		
	Falls	Cars	Gas	Electricity	Miscellaneous	Total	Cars	Electricity	Miscellaneous				Total	
														Fatalities inside and outside
Buck Mountain Coal Mining Co.					1	1					1	21.00	7.16	139,574
Buck Run Coal Co.	1	1				2					2	17.93	9.53	104,368
Colonial Colliery Co.	1				1	1					1	8.61	3.65	273,947
Conlon Coal Co., John	1					1					1	9.07	4.33	202,753
Coxe Brothers & Co., Inc.	1				3	4					4	9.85	4.07	245,630
D. F. M. Co.		1				1					1	256.41	149.10	6,707
Dodson & Co., Charles M.	2				1	3					3	60.67	26.26	38,060
East Bear Ridge Colliery Co.		1				1					1	10.60	4.64	215,463
East Boston Coal Co.	4				1	5					5	27.54	16.83	59,404
Evans Colliery Co.	1					1					1	20.91	10.40	96,144
Glen Alden Coal Co.	28	7		1	12	48	1			1	49	10.19	5.13	192,970
Glendale Anthracite Collieries	3	1				4					4	42.30	22.51	44,420
Grand Tunnel Coal Co.	2					2					2	42.96	20.72	43,271
Haddock Mining Co.	2					2					2	5.10	2.16	462,916
Harleigh Brookwood Coal Co.					4	4					4	12.73	6.77	147,675
Hazle Brook Coal Co.	4	1			5	6	1			1	7	18.69	5.43	194,139
Hillside Coal & Iron Co.	27	4	11		4	46	4			5	8	20.61	10.63	94,094
Hudson Coal Co.	5	2	1		1	9	1			1	10	15.43	7.86	127,270
Jeddo-Highland Coal Co.	1	1				2					2	16.28	6.94	144,007
Jermyn & Co.	3	4				7					7	43.61	20.96	47,701
Kingston Coal Co.					1	1					1	15.70	9.77	102,316
Lackawanna Anthracite Mining Co.					2	2					2	49.02	26.43	38,179
Lackawanna Coal Co., Ltd.	1					1					1	12.28	4.07	245,754
Lackawanna Valley Fuel Co.												53.24	16.24	61,972
Langeth Collieries, Inc.	1					1					1	16.42	4.26	234,960
Laurel Coal Mining Co.					1	1					1	226.04	102.25	9,773
Lee Coal Co., George F.	2				1	3	1			1	3	34.98	21.89	46,770
Lehigh Coal & Navigation Co.	5	1	1		8	12	2			2	14	7.63	3.33	295,517
Lehigh Valley Coal Co.	21	4	6		4	35	2		1	4	39	14.93	6.34	160,321
Lehigh & Wilkes-Barre Coal Co.	23	7	6		13	49	1		1	1	50	17.64	8.47	118,000
Louise Mountain Coal Co.	2					2					2	12.36	4.03	242,210
Lytle Coal Co.					4	4					4	26.94	12.23	81,794

Mendowside Coal Co.	2										83.01	65.79	25,199
Miners Mills Coal Mining Co.	1										21.47	10.50	55,340
Mine Run Coal Co.									1		88.61	58.59	26,980
Mt. Lookout Coal Co.	2										27.84	18.26	75,407
Northern Anthracite Coal Co.	2										83.16	126.95	7,877
Northumberland Coal Co.	1										13.10	6.96	145,756
Pardee Brothers & Co., Inc.	2										6.92	3.98	251,115
Pennsylvania Coal Co.	18										22.20	6.81	153,595
Phila. & Reading Coal & Iron Co.	40										11.60	5.34	187,110
Pine Hill Coal Co.	1										9.91	5.15	194,301
Pittston Coal Mining Co.	1										24.84	12.79	78,179
Plymouth Red Ash Coal Co.	1										69.20	44.75	23,345
Price-Paterson Coal Co.	4										34.00	15.71	63,658
Public Service Coal Co.	1										50.84	50.80	39,556
Reppiler Coal Co.	1										9.80	3.90	226,141
Saint Clair Coal Co.	1										6.81	3.41	131,996
Scranton Coal Co.	1										6.62	4.07	104,368
South Penn Collieries Co.	3										11.92	5.70	273,947
Spencer Coal Co.	1										50.19	11.70	65,608
Starbuck Coal Co.	1										665.61	88.48	11,302
Susquehanna Collieries Co.	34										8.98	4.80	294,151
Temple Coal Co.	2										11.61	6.09	164,132
West End Coal Co.	1										7.64	3.78	254,204
<b>Total</b>	<b>243</b>	<b>46</b>	<b>84</b>	<b>6</b>	<b>53</b>	<b>100.00</b>	<b>54.55</b>	<b>21.21</b>	<b>24.24</b>	<b>100.00</b>	<b>12.68</b>	<b>6.00</b>	<b>166,784</b>
<b>Percentages for Region</b>	<b>58.70</b>	<b>11.50</b>	<b>6.21</b>	<b>1.45</b>	<b>20.05</b>	<b>100.00</b>	<b>54.55</b>	<b>21.21</b>	<b>24.24</b>	<b>100.00</b>	<b>12.68</b>	<b>6.00</b>	<b>166,784</b>

G—Non-fatal Accidents,\* Classified by Cause, by Counties, 1927

	Carbon	Columbia	Dauphin	Lackawanna	Luzerne	Northumberland	Schuylkill	Sullivan	Susquehanna	Wayne	Total	Percentage
<b>Inside</b>												
Falls of coal, slate and roof	10	2	8	141	203	51	160	1	1	2	579	20.91
Mine cars	6	1	6	78	146	35	76		1		349	13.63
Explosions of gas	3	2		4	32	5	40				86	4.69
Explosions of powder and dynamite				2	2	2	7				13	.70
Blasts, premature and otherwise	1			24	27	2	12		1		73	3.00
Crushed at batteries			1			3					3	.16
Animals				1	12	3	7			1	24	1.26
Machinery				2	3		5				11	.59
Electricity				2	3						5	.27
Miscellaneous	21	12	10	118	239	76	249	2	2	1	730	33.07
<b>Total</b>	<b>41</b>	<b>17</b>	<b>25</b>	<b>373</b>	<b>667</b>	<b>182</b>	<b>556</b>	<b>3</b>	<b>5</b>	<b>4</b>	<b>1,873</b>	<b>100.00</b>
<b>Outside</b>												
Cars	5	1	1	13	17	6	22				65	23.72
Machinery		1		3	4		8				16	5.84
Electricity		1			2						3	1.10
Miscellaneous	11	5	2	25	43	25	78	1			180	69.34
<b>Total</b>	<b>16</b>	<b>8</b>	<b>3</b>	<b>41</b>	<b>66</b>	<b>31</b>	<b>108</b>	<b>1</b>			<b>274</b>	<b>100.00</b>
<b>Grand total</b>	<b>57</b>	<b>25</b>	<b>28</b>	<b>414</b>	<b>733</b>	<b>213</b>	<b>664</b>	<b>4</b>	<b>5</b>	<b>4</b>	<b>2,147</b>	

\* Disability 60 days or more.

G—Non-fatal Accidents,\* Classified by Cause, by Counties, 1928

	Carbon	Columbia	Dauphin	Lackawanna	Luzerne	Northumberland	Schuykill	Sullivan	Susquehanna	Total	Percentage
<b>Inside</b>											
Falls of coal, slate and roof	15	7	15	170	272	46	108	5	.....	728	36.34
Mine cars	8	6	5	92	163	30	65	1	.....	370	18.47
Explosions of gas	2	.....	.....	6	20	4	27	.....	.....	59	2.95
Explosions of powder and dynamite	.....	.....	.....	7	4	.....	5	.....	.....	16	.80
Blasts, premature and otherwise	.....	.....	1	9	20	4	13	.....	.....	47	2.35
Falling into shafts	.....	.....	.....	1	1	.....	.....	.....	.....	2	.10
Falling into slopes, etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.05
Crushed at batteries	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.05
Animals	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.05
Machinery	1	.....	.....	3	2	4	7	.....	.....	17	.85
Electricity	.....	.....	.....	4	6	1	.....	.....	.....	11	.55
Miscellaneous	21	3	12	147	203	64	230	.....	.....	743	37.09
<b>Total</b>	47	17	33	433	752	154	632	8	1	2,963	100.00
<b>Outside</b>											
Cars	1	2	1	14	17	6	25	.....	.....	66	23.66
Machinery	1	.....	.....	2	8	.....	13	.....	.....	24	8.80
Electricity	.....	.....	.....	2	.....	.....	.....	.....	.....	2	.72
Miscellaneous	20	1	4	31	63	26	61	1	.....	187	67.02
<b>Total</b>	13	3	5	49	88	22	99	1	.....	279	100.00
<b>Grand total</b>	60	20	38	482	840	176	631	9	1	3,242	.....

\* Disability 60 days or more

## II—Fatal Accidents, Classified by Cause, 1919-1928

Cause	1919		1920		1921		1922		1923	
	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent
<b>Inside</b>										
Falls of coal	55	9.82	43	10.67	51	10.16	24	9.23	54	11.87
Falls of slate and roof	173	30.89	147	36.47	176	35.06	97	37.31	184	36.04
Cars	74	13.21	57	14.14	69	13.74	49	18.85	71	16.80
Explosions of gas	43	7.88	35	8.68	62	12.35	18	6.92	42	9.32
Suffocation by gas	6	1.07	9	2.23	8	1.59	2	.77	3	.68
Blasts	56	10.00	48	11.91	63	12.55	36	13.85	47	10.33
Electricity	4	.72	5	1.24	4	.80	3	1.16	6	1.30
Machinery	1	.18	1	.27	2	.40			2	.44
Miscellaneous	148	26.43	58	14.30	67	13.35	31	11.92	87	14.73
<b>Total inside</b>	<b>560</b>	<b>100.00</b>	<b>403</b>	<b>100.00</b>	<b>502</b>	<b>100.00</b>	<b>380</b>	<b>100.00</b>	<b>455</b>	<b>100.00</b>
<b>Outside</b>										
Mine cars	26	34.21	27	31.03	14	31.82	13	22.50	12	21.67
Railroad cars	11	14.48	6	6.90	3	6.82	4	10.00	8	13.33
Machinery	16	21.05	21	24.14	13	29.54	6	15.00	13	21.67
Electricity	2	2.63	3	3.45	4	9.09	1	2.50	2	3.33
Miscellaneous	21	27.63	30	34.48	10	22.73	16	40.00	24	40.00
<b>Total outside</b>	<b>76</b>	<b>100.00</b>	<b>87</b>	<b>100.00</b>	<b>44</b>	<b>100.00</b>	<b>40</b>	<b>100.00</b>	<b>60</b>	<b>100.00</b>
<b>Grand total</b>	<b>636</b>		<b>490</b>		<b>546</b>		<b>380</b>		<b>515</b>	

H—Fatal Accidents, Classified by Cause, 1910-1928—Concluded

Cause	1924		1925		1926		1927		1928	
	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent
<b>Inside</b>										
Falls of coal	59	13.35	37	10.57	45	10.66	49	10.75	60	14.49
Falls of slate and roof	147	33.26	127	36.29	165	39.10	173	37.94	193	44.30
Cars	56	12.67	51	14.57	47	11.14	52	11.40	48	11.60
Explosions of gas	50	11.31	43	12.30	51	12.09	53	11.62	29	7.00
Suffocation by gas	10	2.26	1	.29	10	2.37	9	1.97	5	1.21
Hincks	53	11.99	53	15.714	48	11.37	53	11.62	26	6.28
Electricity	8	1.81	4	1.14	2	.47	6	1.32	6	1.45
Machinery	3	.68	4	1.14	1	.23	1	.22	2	.48
Miscellaneous	56	12.67	84	9.71	53	12.05	60	13.16	55	13.29
<b>Total inside</b>	<b>442</b>	<b>100.00</b>	<b>350</b>	<b>100.00</b>	<b>422</b>	<b>100.00</b>	<b>495</b>	<b>100.00</b>	<b>414</b>	<b>100.00</b>
<b>Outside</b>										
Mine cars	27	50.00	9	17.05	11	23.34	7	10.44	14	40.45
Railroad cars	7	12.96	4	7.84	5	15.15	5	13.89	4	12.12
Machinery	7	12.96	10	19.41	3	9.09	4	11.11	7	21.21
Electricity	2	3.71	6	11.76	3	9.09	4	11.11	7	21.21
Miscellaneous	11	20.37	22	43.14	11	23.33	16	44.45	8	24.24
<b>Total outside</b>	<b>54</b>	<b>100.00</b>	<b>51</b>	<b>100.00</b>	<b>53</b>	<b>100.00</b>	<b>56</b>	<b>100.00</b>	<b>53</b>	<b>100.00</b>
<b>Grand total</b>	<b>496</b>		<b>401</b>		<b>455</b>		<b>492</b>		<b>447</b>	



## REPORT OF THE

I—Total Production, Production from Washeries, Employees, Fatalities,  
1870-1928

	Total production (net tons)	Washery production (net tons)	Employees	Fatali- ties	Produc- tion per fatality	Fatali- ties per 1,000,000 tons produced
1870	14,172,004		35,600	211	67,166	14.89
1871	15,532,252		37,488	210	73,963	13.52
1872	15,567,973		44,745	223	69,811	14.32
1873	21,001,521		48,199	264	79,551	12.57
1874	19,930,240		53,402	231	86,278	11.59
1875	23,402,646		69,966	238	98,330	10.17
1876	23,440,666		70,474	228	102,810	9.73
1877	24,727,213		66,842	194	127,460	7.85
1878	20,500,966		63,964	187	111,770	8.95
1879	31,036,600		68,847	262	118,460	8.44
1880	27,974,532		73,273	202	138,488	7.22
1881	34,202,568		76,031	273	125,284	7.98
1882	35,057,430		82,200	295	118,839	8.41
1883	37,747,369		91,421	323	116,865	8.56
1884	36,468,738		101,073	332	109,846	9.10
1885	38,232,155		100,320	332	115,157	8.68
1886	38,950,932		103,044	279	139,609	7.16
1887	42,156,300		106,517	316	133,406	7.50
1888	46,635,037		122,218	364	128,118	7.81
1889	43,650,768		119,646	397	109,952	9.09
1890	44,986,286		119,919	378	119,011	8.40
1891	49,701,322		123,308	428	116,125	8.61
1892	51,226,978		130,300	418	122,553	8.16
1893	52,841,110	1	138,069	456	115,890	8.63
1894	50,966,920	386,960	139,999	446	114,276	8.75
1895	56,945,756	686,534	143,705	421	135,270	7.39
1896	53,843,250	527,809	150,088	502	107,257	9.32
1897	52,581,036	732,743	149,557	423	124,305	8.04
1898	52,812,675	697,759	142,420	411	128,498	7.78
1899	60,518,331	1,056,425	140,604	461	131,276	7.62
1900	57,363,396	1,818,170	143,824	411	139,570	7.16
1901	67,094,665	2,009,864	147,651	513	130,789	7.65
1902	41,340,935	2,965,792	148,139	300	137,803	7.26
1903	75,232,585	4,119,258	151,827	518	145,237	6.89
1904	73,594,369	3,440,420	161,330	595	123,688	8.98
1905	78,647,020	3,897,688	168,254	644	122,123	8.79
1906	72,139,510	4,880,402	166,175	557	129,514	7.72
1907	86,056,412	5,630,169	168,774	708	121,549	8.23
1908	83,543,243	4,635,923	174,503	678	123,220	8.12
1909	80,223,833	5,206,562	171,195	567	141,488	7.07
1910	83,683,994	5,412,167	168,175	601	139,241	7.18
1911	90,917,176	4,555,457	173,338	699	130,067	7.69
1912	84,426,869	4,317,161	175,098	601	140,477	7.12
1913	91,626,964	2,934,157	175,310	624	146,838	6.81
1914	91,189,641	2,702,537	180,899	600	151,983	6.58
1915	89,377,706	3,418,427	177,339	588	152,003	6.58
1916	87,680,198	4,432,606	159,169	565	155,186	6.44
1917	100,445,299	6,408,277	156,148	581	172,883	5.78
1918	99,445,794	7,246,454	148,226	556	178,859	5.59
1919	87,838,024	3,616,675	153,780	636	138,110	7.24
1920	89,636,036	5,435,697	149,117	490	182,931	5.47
1921	90,358,642	1,842,096	161,926	546	165,492	6.04
1922	53,910,201	2,525,402	159,880	300	179,701	5.86
1923	92,653,641	4,212,001	158,764	515	179,910	5.56
1924	87,277,449	1,141,796	162,503	496	175,962	5.68
1925	61,334,145	894,187	163,825	401	152,953	6.54
1926	83,874,500	1,365,175	168,734	455	184,340	5.42
1927	79,367,154	1,851,440	167,648	492	161,315	6.20
1928	74,552,312	1,614,863	160,721	447	166,784	6.00

<sup>1</sup> No accurate record previous to 1894.

II PRODUCTION  
A—Tonnage (Net) by Counties, 1927-1928

	Carbon	Columbia	Dauphin	Lacka- wanna	Luzerne	Northum- berland	Schuylkill	Sullivan	Susque- hanna	Wayne	Total	Per Cent
1927												
Shipped to market -----	2,521,819	830,955	984,009	15,851,716	27,645,779	5,901,517	15,927,228	116,563	236,656	54,291	70,020,533	88.22
Consumed at collieries -----	103,838	108,674	132,700	988,388	2,592,194	661,946	1,916,116	29,814	20,498	4,907	6,559,075	8.27
Sold locally -----	48,244	22,600	25,828	554,125	1,443,314	216,626	461,355	7,324	6,563	1,567	2,787,546	3.51
Total production -----	2,673,901	962,229	1,092,537	17,394,229	31,681,287	6,780,089	18,304,699	153,701	263,717	60,765	79,367,154	-----
Percentage -----	3.37	1.21	1.38	21.92	39.92	8.54	23.06	.19	.33	.08	-----	100.00
Average days worked --	227	207	240	223	234	220	222	107	231	223	227	-----
1928												
Shipped to market -----	1,867,368	923,444	761,342	15,158,789	25,916,958	5,481,539	15,498,794	99,462	180,482	34,756	65,922,934	88.43
Consumed at collieries -----	90,164	118,247	119,827	954,257	2,157,323	586,276	1,700,385	27,048	15,439	2,955	5,771,921	7.74
Sold locally -----	42,511	21,149	24,547	651,110	1,427,105	203,189	472,301	7,714	6,535	1,296	2,857,457	3.83
Total production -----	2,000,043	1,062,840	905,716	16,764,156	29,501,386	6,271,004	17,671,480	134,224	202,456	39,007	74,552,312	-----
Percentage -----	2.68	1.43	1.22	22.49	39.57	8.41	23.70	.18	.27	.05	-----	100.00
Average days worked --	192	224	206	227	223	207	216	110	167	150	219	-----

A—Tonnage (Net) by Inspection Districts, 1927

Inspection Districts	Tons of coal shipped to market	Tons used at collieries for steam and heat	Tons sold to local trade and used by employes	Total production of coal in tons	Number of employes	Number of fatal accidents	Number of non-fatal accidents disability 60-days or more	Pounds of explosives used		
								Black powder	Dynamite	Permissible explosives
1	1,451,875	78,203	36,934	1,567,012	3,391	15	42	649,375	619,536	748,826
2	3,284,550	207,017	60,020	3,551,587	7,635	21	69	1,191,234	459,296	916,909
3	2,895,229	204,737	136,726	3,236,692	6,623	28	77	1,820,741	880,709	1,020,062
4	2,548,610	155,344	111,667	2,815,621	7,317	20	58	1,505,650	400,999	417,738
5	1,598,576	66,263	60,446	1,725,285	4,363	16	58	604,193	627,725	124,537
6	4,280,426	302,229	156,462	4,719,117	9,631	29	117	3,099,827	1,044,573	741,705
7	1,962,337	159,338	62,728	2,164,908	4,959	13	40	602,350	584,650	725,152
8	2,480,265	224,481	48,600	2,753,346	6,967	15	60	1,405,300	277,188	851,062
9	1,755,489	370,096	92,193	2,217,778	5,011	12	46	231,700	1,254,862	87,274
10	2,405,006	287,288	153,255	2,845,549	7,322	29	104	794,832	587,582	1,036,244
11	2,530,518	282,139	368,209	3,180,866	6,831	15	71	276,025	413,256	1,454,564
12	3,195,722	241,615	177,165	3,614,502	7,592	31	67	1,150,226	130,254	878,267
13	4,934,276	267,546	88,405	5,290,227	9,813	23	118	625	360,710	2,932,175
14	4,355,323	327,979	80,614	4,763,916	8,921	32	123	159,800	522,433	1,954,559
15	3,434,679	382,505	171,068	3,988,252	7,714	15	87		2,426,227	228,860
16	2,487,625	237,702	241,748	2,967,075	6,371	9	66	40,625	1,245,404	378,493
17	3,475,804	119,114	51,714	3,646,632	6,040	14	93	6,000	2,190,185	358,602
18	3,534,359	341,102	135,201	4,010,662	7,525	29	113	50	1,210,125	811,118
19	2,146,226	310,663	80,118	2,537,007	5,734	15	128	14,130	840,980	744,089
20	1,928,587	370,742	49,969	2,349,298	5,775	17	113		838,986	162,040
21	2,648,654	352,806	79,790	3,061,250	6,398	29	134	24,300	1,227,117	190,154
22	2,619,559	333,075	76,617	3,029,251	5,849	11	89	3,050	1,502,232	139,050
23	3,068,539	317,786	59,838	3,446,163	6,923	21	102	425	957,773	1,318,375
24	2,513,543	264,430	144,287	2,927,260	6,845	16	101	800	990,614	929,522
25	2,499,256	394,875	63,772	2,957,903	6,069	12	71	2,200	1,060,122	475,611
Total	70,020,533	6,559,075	2,787,546	79,367,154	167,648	492	2,147	13,583,258	22,653,518	19,622,988

A—Tonnage (Net) by Inspection Districts, 1928

Inspection Districts	Tons of coal shipped to market	Tons used at collieries for steam and heat	Tons sold to local trade and used by employes	Total production of coal in tons	Number of employes	Number of fatal accidents	Number of non-fatal accidents disability 60-days or more	Pounds of explosives used		
								Black powder	Dynamite	Permissible explosives
1	1,049,916	44,582	35,776	1,130,274	3,141	8	27	492,825	225,045	633,362
2	3,097,756	214,750	75,147	3,387,653	7,201	20	92	1,224,470	539,043	709,083
3	2,860,115	192,206	132,777	3,185,098	6,546	17	87	1,878,834	735,603	959,117
4	2,419,904	161,071	154,841	2,735,816	7,171	20	86	1,602,850	351,588	585,225
5	1,417,163	60,641	83,598	1,561,402	4,122	8	57	628,025	546,620	67,838
6	4,428,369	298,320	174,097	4,900,786	9,717	30	138	3,110,350	932,400	1,166,432
7	1,623,006	94,364	60,847	1,778,217	4,728	21	41	571,680	482,426	384,843
8	1,879,111	206,287	41,916	2,127,314	6,298	17	49	1,038,825	202,250	616,275
9	1,861,402	257,270	93,926	2,212,598	4,974	14	64	271,150	1,161,350	116,775
10	2,320,270	249,100	115,616	2,684,986	6,873	25	123	991,175	567,377	949,574
11	2,318,543	270,574	387,593	2,976,710	6,732	26	93	209,733	507,695	1,293,182
12	2,932,193	240,406	222,005	3,394,604	7,490	27	101	943,750	119,537	998,137
13	4,687,758	259,602	107,555	5,054,915	9,714	38	133	50	307,775	2,995,850
14	4,464,691	177,478	80,852	4,723,021	8,850	21	137	75,100	362,699	2,943,092
15	3,417,278	357,077	191,935	3,966,290	7,236	17	84	-----	2,163,975	152,325
16	2,238,194	189,735	168,084	2,596,013	5,922	13	54	18,125	1,134,999	268,262
17	2,764,670	121,385	45,779	2,932,334	6,102	13	76	5,400	2,107,197	328,948
18	3,016,756	275,260	144,963	3,436,979	7,458	10	135	-----	859,276	645,002
19	2,382,196	241,460	80,569	2,704,225	5,674	17	116	875	730,404	787,185
20	1,894,529	334,420	49,448	2,278,397	4,883	20	115	-----	545,322	374,540
21	2,795,101	313,947	79,408	3,188,456	6,087	17	154	34,100	842,401	535,660
22	2,713,937	309,356	77,755	3,101,048	5,406	10	66	-----	1,404,778	138,165
23	3,025,195	296,392	60,200	3,381,787	6,764	17	67	3,400	905,269	1,268,024
24	2,154,612	222,319	131,095	2,508,026	6,149	12	99	-----	693,150	793,109
25	2,160,269	883,419	61,675	2,605,363	5,483	9	78	-----	862,637	415,305
Total	65,922,934	5,771,921	2,857,457	74,552,312	160,721	447	2,282	13,100,717	19,320,807	19,225,305

DEPARTMENT OF MINES

## B—Operators, Production, Employes, Days Worked, 1927

Operators	Production (Gross tons)	Employes			Average man- days worked
		Inside	Outside	Total	
Alden Coal Co. ....	324,326	644	138	782	271
Archbald Coal Co. ....	121,747	176	60	236	249
Barry Coal Co. ....	10,141	33	33	33	295
Barron Coal Co. ....	5,382	25	3	28	68
Black Heath Coal Co. ....	12,397	12	15	27	286
Buck Mountain Coal Mining Co. ....	115,422	170	62	222	273
Buck Run Coal Co. ....	265,075	448	115	563	257
Butcher Creek Coal Co. ....	5,077	15	12	27	88
Central Coal Co. ....	32,811	38	32	70	198
Chestnut Hill Coal Co. ....	6,113	9	10	19	165
Clifford Coal Co. ....	21,586	125	32	157	250
Cliff Coal Co. ....	27,021	96	27	123	234
Coleraine Colliery Co. ....	22,517	34	36	70	163
Colonial Colliery Co. ....	727,899	968	208	1,176	290
Conlon Coal Co., John ....	141,639	425	73	498	207
Connell Anthracite Mining Co. ....	111,429	360	115	475	117
Coxe Brothers & Co., Inc. ....	1,249,083	2,228	784	3,012	205
Cranston, E. M. ....	11,636	21	4	25	249
Dodson & Co., Charles M. ....	188,553	230	172	402	284
Dunmore Anthracite Coal Co. ....	8,062	54	24	78	114
East Alden Mining Co. ....	16,006	37	12	49	225
East Bear Ridge Colliery Co. ....	238,256	323	116	444	264
East Boston Coal Co. ....	235,359	376	121	497	297
Evans Colliery Co. ....	70,724	146	61	207	202
Excelsior Coal Co. ....	220,500	117	183	300	281
Fireside Coal Co. ....	1,025	34	9	43	17
Frackville Coal Co. ....	66,690	70	29	99	283
Franklin Coal Co., M. A. ....	5,418	19	19	19	94
Gibbons Coal Co., John ....	44,700	19	63	82	204
Glen Alden Coal Co. ....	9,023,512	16,359	3,266	19,625	245
Glendale Anthracite Collieries ....	158,171	381	64	445	275
Gorman & Campion ....	60,618	95	39	134	230
Grand Tunnel Coal Co. ....	144,266	256	61	317	285
Green Ridge Coal Co. ....	58,132	94	18	112	306
Haddock Mining Co. ....	757,195	1,091	278	1,369	288
Harleigh-Brookwood Coal Co. ....	589,460	770	387	1,157	261
Harris-Denly Coal Co. ....	30,819	34	13	47	285
Harwood Coal Co. ....	41,589	138	113	251	206
Hazle Brook Coal Co. ....	1,207,106	933	690	1,623	260
Hickory Run Coal Co. ....	29,785	48	48	48	254
Hillside Coal & Iron Co. ....	846,258	1,769	431	2,200	231
Hudson Coal Co. ....	7,042,805	14,280	3,666	17,946	194
Humbert Coal Co. ....	72,962	160	50	210	225
Jeddo-Highland Coal Co. ....	1,075,259	1,775	616	2,391	257
Jermyn & Co. ....	20,261	545	149	694	18
John-Ames Coal Co. ....	38,665	30	30	30	262
Kingston Coal Co. ....	794,354	1,341	534	1,875	271
Lackawanna Coal Co., Ltd. ....	237,443	399	100	499	208
Lackawanna Valley Fuel Co. ....	33,575	27	61	88	236
Laurel Coal Mining Co. ....	2,970	54	20	74	13
Lee Coal Co., George F. ....	103,279	256	41	297	260
Lehigh & Wilkes-Barre Coal Co. ....	5,574,608	9,807	2,512	12,319	253
Lehigh Coal & Navigation Co. ....	4,561,189	6,306	2,540	8,846	230
Lehigh Valley Coal Co. ....	5,981,768	10,595	3,188	13,783	204
Lehigh & Wyoming Valley Coal Co. ....	68,859	124	23	147	288
Lincoln Coal Co. ....	26,003	52	14	66	269
Locust Mountain Coal Co. ....	468,329	297	567	864	284
Lynott & Brown ....	3,915	14	4	18	225
Lytle Coal Co. ....	304,022	499	226	725	219
Meadowside Coal Co. ....	26,280	106	19	125	223
Mid City Coal Co. ....	80,299	155	34	189	225
Mill Creek Coal Co. ....	296,514	577	319	896	262
Miners Mills Coal Mining Co. ....	69,897	110	19	129	290
Moffat Coal Co. ....	53,623	113	23	136	208
Mount Lookout Coal Co. ....	198,656	375	100	475	285
Murrin Coal Co. ....	45,289	79	17	96	250
Nanticoke Valley Coal Co. ....	43,586	56	56	56	245
Northern Anthracite Coal Co. ....	25,804	121	38	159	79
Northern Anthracite Collieries Corp. ....	8,800	37	14	51	193
Northumberland Mining Co. ....	359,904	569	113	682	201
Pardee Brothers & Co., Inc. ....	466,508	743	276	1,019	288
Pennsylvania Coal Co. ....	5,133,474	10,200	2,459	12,659	233
Perry Coal Co. ....	5,500	4	4	4	90
Phila. & Reading Coal & Iron Co. ....	9,032,161	17,329	7,344	24,673	201
Pine Hill Coal Co. ....	681,876	1,254	479	1,733	280
Pittston Coal Mining Co. ....	95,359	147	47	194	289
Price-Pancoast Coal Co. ....	117,918	397	132	529	60

## B—Operators, Production, Employees, Days Worked, 1927—Concluded

Operators	Production (Gross tons)	Employees			Average man- days worked
		Inside	Outside	Total	
Public Service Coal Co. -----	51,815	147	30	177	199
Quinn Coal Co., T. F. -----	16,296	138	40	178	102
Racket Brook Coal Co. -----	198,727	306	8	392	261
Ransom Coal Co. -----	6,906	30	3	33	122
Raub Coal Co. -----	117,569	308	72	380	244
Reppiler Coal Co. -----	263,140	378	135	513	212
Richmondale Coal Co. -----	62,130	140	26	166	258
Roaring Brook Coal Co. -----	1,971	39	3	42	30
Saint Clair Coal Co. -----	353,154	333	216	549	301
Sandy Run Coal Co. -----	110,434	155	85	240	266
Scotch Run Coal Co. -----	10,115	73	32	105	79
Scranton Anthracite Coal Co. -----	118,358	200	56	256	220
Scranton Coal Co. -----	1,293,977	3,612	773	4,385	201
Shamokin Coal Co. -----	203,023	227	86	313	238
Shamokin Colliery Co. -----	229,772	-----	75	75	296
Sherman Coal Corp. -----	141,686	115	54	169	294
Shipman Coal Co. -----	72,136	375	90	465	112
Shumaker, E. E. -----	175	-----	-----	-----	-----
South Penn Collieries Co. -----	844,762	1,403	346	1,749	277
Spencer Coal Co. -----	78,736	196	26	222	255
Stackhouse Coal Co., E. S. -----	49,700	112	40	152	229
Suffolk Anthracite Collieries -----	296,905	292	101	393	298
Sullivan & Flynn -----	8,560	20	6	26	295
Sunrise Coal Co. -----	1,960	-----	12	12	223
Suscon Coal Co. -----	21,905	48	16	64	214
Susquehanna Collieries Co. -----	4,460,622	8,408	2,751	11,159	230
Temple Coal Co. -----	338,854	1,616	442	2,058	246
Traders Coal Co. -----	62,453	279	31	310	183
Troy Coal Co. -----	15,952	35	10	45	233
West End Coal Co. -----	425,235	768	209	977	249
West Jermyn Coal Co. -----	5,816	24	9	33	261
Wolf Collieries Co. -----	48,090	112	24	136	185
Yatesville Coal Co. -----	52,022	95	11	106	269
<b>Total -----</b>	<b>70,863,530</b>	<b>127,952</b>	<b>39,696</b>	<b>167,648</b>	<b>227</b>

## REPORT OF THE

## B—Operators, Employees, Days Worked, 1928

Operators	Production (Gross tons)	Employees			Average man— days worked
		Inside	Outside	Total	
Alden Coal Co. ....	412,287	682	130	812	273
Barry Coal Co. ....	4,700	—	37	37	239
Beardslee & Lewis Coal Co. ....	4,259	34	7	41	112
Black Heath Coal Co. ....	16,733	137	15	27	269
Buck Mountain Coal Mining Co. ....	124,620	12	55	192	243
Buck Run Coal Co. ....	279,556	484	157	641	261
Chestnut Hill Coal Co. ....	15,003	37	15	52	224
Childs Coal Co. ....	3,150	9	2	11	198
Clifford Coal Co. ....	43,085	—	51	51	223
Coleraine Collieries Co. ....	14,680	41	22	63	143
Colonial Colliery Co. ....	733,786	975	202	1,177	296
Conlon Coal Co., John ....	181,029	379	63	442	249
Connell Anthracite Mining Co. ....	98,744	361	104	465	106
Coxe Brothers & Co., Inc. ....	1,096,561	2,154	770	2,924	174
Cranston, R. M. ....	12,762	21	4	25	264
D. F. M. Co. ....	5,983	17	3	20	195
Dodson & Co., Charles M. ....	102,000	251	155	406	122
Dunmore Anthracite Coal Co. ....	3,334	30	8	38	190
East Alden Mining Co. ....	21,396	39	9	48	202
East Bear Ridge Colliery Co. ....	192,556	336	122	458	206
East Boston Coal Co. ....	265,196	494	130	624	291
Evans Colliery Co. ....	85,843	147	60	207	231
Excelsior Coal Co. ....	220,200	100	167	267	243
Fox Hill Mining Co. ....	30,430	40	3	43	287
Fraekville Coal Co. ....	67,714	80	39	119	251
Gibbons Coal Co. ....	51,621	21	66	87	192
Glen Alden Coal Co. ....	\$,442,459	16,360	3,220	19,580	245
Glendale Anthracite Collieries ....	158,642	323	31	359	264
Gorman & Campion ....	60,288	75	38	113	225
Grand Tunnel Coal Co. ....	26,197	203	50	253	184
Green Ridge Coal Co. ....	62,955	105	21	126	295
Grove Hill Coal Co. ....	28,631	48	5	53	276
Haddock Mining Co. ....	826,636	1,199	269	1,468	267
Hanover Coal Co. ....	6,020	—	23	23	130
Harleigh-Brookwood Coal Co. ....	590,698	789	336	1,125	273
Harris-Denly Coal Co. ....	20,842	29	9	38	289
Hazle Brook Coal Co. ....	1,288,974	921	661	1,582	237
Hillside Coal & Iron Co. ....	672,069	1,667	382	2,049	189
Hudson Coal Co. ....	6,490,745	13,553	3,426	16,979	195
Humbert Coal Co. ....	99,350	175	50	225	255
Jeddo-Highland Coal Co. ....	1,157,198	1,596	567	2,153	267
Jermyn & Co. ....	85,179	501	136	637	72
John-Ames Coal Co. ....	32,543	—	33	33	225
Kingston Coal Co. ....	730,823	1,307	494	1,801	283
Lackawanna Anthracite Mining Co. ....	62,820	161	27	188	217
Lackawanna Coal Co., Ltd. ....	219,423	389	79	468	174
Lackawanna Valley Fuel Co. ....	54,975	20	55	75	250
Langcliffe Collieries, Inc. ....	209,786	389	144	533	114
Laurel Coal Mining Co. ....	8,731	57	22	79	56
Lee Coal Co., George F. ....	125,278	269	44	313	274
Lehigh Coal Co. ....	19,771	—	67	67	291
Lehigh Coal & Navigation Co. ....	3,693,966	6,359	2,386	8,745	208
Lehigh & Wilkes-Barre Coal Co. ....	5,267,854	9,901	2,285	12,186	231
Lehigh Valley Coal Co. ....	5,582,602	10,703	3,202	13,905	183
Lehigh-Wyoming Valley Coal Co. ....	77,012	142	42	184	287
Lincoln Coal Co. ....	25,331	55	15	70	261
Locust Mountain Coal Co. ....	443,231	275	366	641	252
Lynott & Brown ....	4,869	—	15	15	272
Lytle Coal Co. ....	292,121	525	225	750	199
Meadowside Coal Co. ....	40,712	105	21	126	256
Mid-City Coal Co. ....	63,717	146	32	178	203
Mill Creek Coal Co. ....	383,374	515	193	708	262
Miners Mills Coal Mining Co. ....	85,036	141	18	159	293
Mine Run Coal Co. ....	15,161	30	7	37	305
Moffat Coal Co. ....	61,796	130	23	153	211
Mt. Lookout Coal Co. ....	134,655	369	100	469	165
Murrin Coal Co. ....	31,704	75	12	87	231
Namura Coal Co. ....	5,313	12	2	14	263
Nanticoke Valley Coal Co. ....	55,006	—	53	53	294
Northern Anthracite Coal Co. ....	21,069	81	22	103	126
Northumberland Mining Co. ....	390,417	658	113	771	297
Pardee Brothers & Co., Inc. ....	448,420	887	327	1,214	238
Pennsylvania Coal Co. ....	4,525,578	9,532	2,105	11,637	232
Phila. & Reading Coal & Iron Co. ....	9,188,435	15,611	6,278	21,889	217
Pine Hill Coal Co. ....	693,575	1,285	421	1,706	237
Pittston Coal Mining Co. ....	69,803	121	44	165	244
Plymouth Red Ash Coal Co. ....	19,951	49	20	69	233

## B—Operators, Employees, Days Worked, 1928—Concluded

Operators	Production (Gross tons)	Employees			Average man- days worked
		Inside	Outside	Total	
Price-Pancoast Coal Co. -----	227,349	413	134	547	209
Public Service Coal Co. -----	35,456	200	32	232	153
Quinn Coal Co., T. F. -----	27,864	123	58	181	127
Racket Brook Coal Co. -----	104,203	269	80	349	152
Raub Coal Co. -----	111,162	202	66	368	214
Replier Coal Co. -----	228,697	386	93	479	211
Roaring Brook Coal Co. -----	27,200	53	5	58	300
Saint Clair Coal Co. -----	296,425	339	211	550	267
Sandy Run Coal Co. -----	117,656	130	77	207	234
Seranton Anthracite Coal Co. -----	62,244	124	51	175	253
Seranton Coal Co. -----	1,315,177	3,693	730	4,413	205
Shamokin Coal Co. -----	47,941	242	88	330	80
Shamokin Colliery Co. -----	229,661	-----	78	78	284
Sherman Coal Corp. -----	149,625	133	55	188	291
South Penn Collieries Co. -----	939,528	1,463	331	1,794	281
Spencer Coal Co. -----	76,342	184	35	209	237
Stackhouse Coal Co., E. S. -----	31,918	80	35	115	166
Stevens Chapin Coal Co. -----	85,910	-----	14	44	168
Sullivan & Flynn Coal Co. -----	23,201	40	7	47	299
Sunrise Coal Co. -----	10,091	-----	8	8	221
Suscon Coal Co. -----	13,325	14	8	22	190
Susquehanna Collieries Co. -----	4,010,113	8,777	2,748	11,525	212
Temple Coal Co. -----	732,738	1,558	442	2,000	215
Terry Coal Co. -----	13,640	-----	4	4	235
Throop Coal Co. -----	15,237	16	4	20	288
Troy Coal Co. -----	25,679	46	12	58	297
Vandling Coal Co. -----	2,705	12	3	15	61
West End Coal Co. -----	235,896	659	197	856	153
West Jermyn Coal Co. -----	11,341	19	3	22	285
Wolf Collieries Co., Inc. -----	25,203	63	3	71	182
Yatesville Coal Co. -----	81,948	105	70	125	286
<b>Total -----</b>	<b>66,564,564</b>	<b>124,162</b>	<b>36,559</b>	<b>160,721</b>	<b>219</b>



## Production of Coal

Operators	Gross Tons	
	1927	1928
<b>CARBON COUNTY</b>		
Lehigh Coal & Navigation Co. ....	1,995,071	1,425,550
Coxe Brothers & Co. ....	206,143	192,680
Lehigh Valley Coal Co. ....	92,957	67,000
Evans Colliery Co. ....	70,724	85,843
Coletaine Colliery Co. ....	22,517	14,680
Total .....	2,387,412	1,785,753
<b>COLUMBIA COUNTY</b>		
Lehigh Valley Coal Co. ....	433,081	457,378
Phila. & Reading Coal & Iron Co. ....	292,608	393,592
Hazle Brook Coal Co. ....	88,653	97,994
Clift Coal Co. ....	27,021	-----
Scotch Run Coal Co. ....	10,115	-----
Replier Coal Co. ....	7,655	-----
Total .....	859,133	948,964
<b>DAUPHIN COUNTY</b>		
Susquehanna Collieries Co. ....	975,479	808,675
<b>LACKAWANNA COUNTY</b>		
Hudson Coal Co. ....	5,085,093	4,785,342
Glen Alden Coal Co. ....	3,783,692	3,395,023
Pennsylvania Coal Co. ....	2,415,520	2,459,471
Seranton Coal Co. ....	1,293,977	1,315,177
South Penn Collieries Co. ....	610,757	775,834
Temple Coal Co. ....	466,942	343,681
Lackawanna Coal Co., Ltd. ....	237,443	219,423
Racket Brook Coal Co. ....	198,727	104,203
Hillside Coal & Iron Co. ....	158,645	125,692
Glendale Anthracite Collieries ....	158,171	158,642
Archbald Coal Co. ....	121,747	-----
Price-Pancoast Coal Co. ....	117,918	227,349
Mid-City Coal Co. ....	80,299	63,717
Spencer Coal Co. ....	78,736	76,342
Humbert Coal Co. ....	72,962	99,350
Richmondale Coal Co. ....	68,130	-----
Green Ridge Coal Co. ....	58,132	62,955
Moffat Coal Co. ....	53,623	61,796
Seranton Anthracite Coal Co. ....	51,588	-----
Public Service Coal Co. ....	51,315	35,456
Lehigh Valley Coal Co. ....	48,096	51,196
Murrin Coal Co. ....	45,289	31,704
John Gibbons Coal Co. ....	44,700	51,621
Raub Coal Co. ....	44,223	42,188
Suffolk Anthracite Collieries ....	42,003	-----
Lackawanna Valley Fuel Co. ....	33,575	54,975
Meadowside Coal Co. ....	26,280	40,712
Lincoln Coal Co. ....	26,003	25,381
Jermyn & Co. ....	20,261	85,179
Dunmore Anthracite Coal Co. ....	8,062	3,334
Ransom Coal Co. ....	6,906	-----
West Jermyn Coal Co. ....	5,816	11,341
M. A. Franklin Coal Co. ....	5,418	-----
Barron Coal Co. ....	5,382	-----
Roaring Brook Coal Co. ....	1,971	27,200
Sunrise Coal Co. ....	1,960	10,091
Fireside Coal Co. ....	1,025	-----
E. E. Shumaker .....	175	-----
Langcliffe Collieries, Inc. ....	-----	83,562
Lackawanna Anthracite Mining Co. ....	-----	62,820
Grove Hill Coal Co. ....	-----	28,631
Throop Coal Co. ....	-----	15,237
Mine Run Coal Co. ....	-----	15,161
D. F. M. Co. ....	-----	5,988
Namura Coal Co. ....	-----	5,313
Beardslee & Lewis Coal Co. ....	-----	4,259
Childs Coal Co. ....	-----	3,150
Total .....	15,530,562	14,967,996

## Production of Coal—Continued

Operators	Gross Tons	
	1927	1928
<b>LUZERNE COUNTY</b>		
Glen Alden Coal Co. ....	5,239,820	5,047,436
Lehigh & Wilkes-Barre Coal Co. ....	5,092,363	4,816,708
Lehigh Valley Coal Co. ....	3,466,698	3,420,908
Pennsylvania Coal Co. ....	2,717,954	2,066,107
Hudson Coal Co. ....	1,835,441	1,618,220
Susquehanna Collieries Co. ....	1,623,148	1,761,534
Jeddo-Highland Coal Co. ....	1,075,259	1,157,198
Coxe Brothers & Co., Inc. ....	829,380	750,549
Kingston Coal Co. ....	794,354	730,828
Lehigh Coal & Navigation Co. ....	550,346	375,146
Hillside Coal & Iron Co. ....	528,968	420,703
Pardee Brothers & Co., Inc. ....	466,508	448,420
West End Coal Co. ....	425,235	235,896
Temple Coal Co. ....	361,912	389,057
Hazle Brook Coal Co. ....	324,877	344,533
Alden Coal Co. ....	324,326	412,287
Suffolk Anthracite Collieries ....	254,902	.....
East Boston Coal Co. ....	235,359	265,196
Haddock Mining Co. ....	232,451	204,916
Mount Lookout Coal Co. ....	198,656	134,655
Chas. M. Dodson ....	188,553	102,000
Grand Tunnel Coal Co. ....	144,266	86,197
John Conlon Coal Co. ....	141,639	181,029
Langcliff Collieries Co. ....	.....	126,224
Buck Mountain Coal Mining Co. ....	115,422	124,620
Sandy Run Coal Co. ....	110,434	117,656
George F. Lee Coal Co. ....	103,279	125,278
Pittston Coal Mining Co. ....	95,359	69,803
Raub Coal Co. ....	73,346	68,974
Miners Mills Coal Mining Co. ....	69,897	85,036
Lehigh & Wyoming Valley Coal Co. ....	68,859	77,012
Scranton Anthracite Coal Co. ....	66,770	62,244
Traders Coal Co. ....	62,453	.....
Yatesville Coal Co. ....	52,022	81,948
Stackhouse Coal Co. ....	49,700	31,918
Wolf Collieries Co. ....	48,060	25,203
Nanticoke Valley Coal Co. ....	43,586	55,006
Harwood Coal Co. ....	41,539	.....
John-Ames Coal Co. ....	38,665	32,543
Central Coal Co. ....	32,811	.....
Harris-Denly Coal Co. ....	30,819	20,842
Fox Hill Mining Co. ....	.....	30,430
Suseon Coal Co. ....	21,805	13,325
Clifford Coal Co. ....	21,586	43,085
Lehigh Coal Co. ....	.....	19,771
T. F. Quinn Coal Co. ....	16,296	27,864
Plymouth Red Ash Coal Co. ....	.....	19,951
East Alden Mining Co. ....	16,006	21,396
Troy Coal Co. ....	15,952	25,679
R. M. Cranston ....	11,636	12,762
Barry Coal Co. ....	10,141	4,700
Sullivan & Flynn ....	8,560	23,201
Hanover Coal Co. ....	.....	6,020
Perry Coal Co. ....	5,500	13,640
Lynott & Brown ....	3,915	4,869
Total .....	28,286,863	26,340,523
<b>NORTHUMBERLAND COUNTY</b>		
Phila. & Reading Coal & Iron Co. ....	2,158,884	2,285,039
Susquehanna Collieries Co. ....	1,596,285	1,201,663
Colonial Colliery Co. ....	727,899	733,786
Lehigh Valley Coal Co. ....	363,095	340,349
Northumberland Mining Co. ....	359,904	390,417
Shamokin Colliery Co. ....	229,772	229,661
Excelsior Coal Co. ....	220,500	220,200
Shipman Coal Co. ....	208,028	.....
South Penn Collieries Co. ....	92,363	64,145
Stevens Chapin Coal Co. ....	.....	85,910
Shamokin Coal Co. ....	72,136	47,941
Hickory Run Coal Co. ....	29,785	.....
Total .....	6,063,651	5,599,111

## Production of Coal—Concluded

Operators	Gross Tons	
	1927	1928
<b>SCHUYLKILL COUNTY</b>		
Phila. & Reading Coal & Iron Co. ....	6,580,620	6,599,804
Lehigh Coal & Navigation Co. ....	2,015,772	1,893,270
Lehigh Valley Coal Co. ....	1,577,841	1,245,771
Hazle Brook Coal Co. ....	733,576	846,447
Pine Hill Coal Co. ....	681,876	693,575
Harleigh-Brookwood Coal Co. ....	569,460	590,888
Haddock Mining Co. ....	534,744	621,739
Lehigh & Wilkes-Barre Coal Co. ....	492,345	451,346
Locust Mountain Coal Co. ....	406,229	443,231
Saint Clair Coal Co. ....	383,154	296,475
Lytke Coal Co. ....	304,022	392,121
Mill Creek Coal Co. ....	296,514	353,374
Susquehanna Collieries Co. ....	265,710	298,241
Back Run Coal Co. ....	265,075	279,556
Kryppler Coal Co. ....	255,485	228,697
East Bear Ridge Colliery Co. ....	238,256	192,556
Coxe Brothers & Co., Inc. ....	213,660	153,332
Sherman Coal Corp. ....	141,686	149,625
South Penn Collieries Co. ....	141,642	100,949
Frankville Coal Co. ....	66,000	67,714
Gorman & Campion ....	66,618	60,288
Black Heath Coal Co. ....	13,307	16,733
Chestnut Hill Coal Co. ....	6,113	15,003
Rutcher Creek Coal Co. ....	5,977	
Laurel Coal Mining Co. ....	2,970	8,731
Total .....	10,343,481	15,778,107
<b>SULLIVAN COUNTY</b>		
Connell Anthracite Mining Co. ....	111,429	98,744
Northern Anthracite Coal Co. ....	25,804	21,099
Total .....	137,233	119,843
<b>SUSQUEHANNA COUNTY</b>		
Hillside Coal & Iron Co. ....	120,670	100,660
Hudson Coal Co. ....	114,692	80,204
Total .....	235,362	180,864
<b>WAYNE COUNTY</b>		
Hillside Coal & Iron Co. ....	38,075	25,144
Northern Anthracite Collieries Corp. ....	8,800	2,705
Hudson Coal Co. ....	7,379	6,979
Total .....	54,254	34,828
Grand total .....	70,863,530	66,564,564

## Summary of Statistics

	1927	1928
<b>CARBON COUNTY</b>		
Number of collieries in county .....	7	6
Number of mines in county .....	20	18
Number of mines in operation .....	20	18
Number of gaseous mines in operation .....	11	8
Number of non-gaseous mines in operation .....	9	10
Number of washeries in operation .....	1	1
Number of tons of coal shipped to market .....	2,251,624	1,667,202
Number of tons used at mines for steam and heat .....	92,712	80,584
Number of tons sold to local trade and used by employes .....	43,075	37,950
Number of tons produced (gross) .....	2,267,412	1,785,736
Number of tons produced by compressed air machines .....		
Number of tons produced by electrical machines .....		
Number of tons produced by mechanical mining .....		
Number of persons employed inside .....	2,936	2,930
Number of persons employed outside .....	1,150	1,172
Number of fatal accidents inside .....	10	16
Number of fatal accidents outside .....		2
Number of non-fatal accidents inside, 60 days' disability or more .....	41	47
Number of non-fatal accidents outside, 60 days' disability or more .....	16	12
Number of tons of coal produced per fatal accident inside .....	228,741	178,575
Number of tons produced per fatal accident inside and outside .....	228,741	148,587
Number of persons employed per fatal accident inside .....	294	200
Number of persons employed per fatal accident outside .....		586
Number of persons employed per fatal accident inside and outside .....	400	342
Number of wives made widows .....	8	10
Number of children made orphans .....	25	28
Number of gasoline locomotives .....		
Number of compressed air locomotives .....	4	4
Number of steam locomotives .....	26	26
Number of electric battery locomotives .....	8	8
Number of electric locomotives .....	48	44
Number of cylindrical boilers .....		1
Number of tubular boilers .....		20
Number of steam engines of all classes .....	20	20
Number of internal combustion engines (gas) .....		
Number of electric dynamos .....	4	3
Number of electric motors (except haulage) .....	350	335
Number of scraper units .....		
Number of conveyor units .....		
Number of loading machines .....		
Number of air compressors .....	14	12
Number of pumps of all classes .....	58	43
Number of pumps delivering water to surface .....	20	20
Number of fans in use .....	16	12
Number of new mines opened .....		
Number of old mines abandoned .....		
<b>COLUMBIA COUNTY</b>		
Number of collieries in county .....	5	3
Number of mines in county .....	13	3
Number of mines in operation .....	13	9
Number of gaseous mines in operation .....	10	9
Number of non-gaseous mines in operation .....	3	
Number of washeries in operation .....	2	1
Number of tons of coal shipped to market .....	741,924	624,503
Number of tons used at mines for steam and heat .....	97,030	105,578
Number of tons sold to local trade and used by employes .....	20,179	18,883
Number of tons produced (gross) .....	859,133	748,964
Number of tons produced by compressed air machines .....		
Number of tons produced by electrical machines .....		
Number of tons produced by mechanical mining .....		
Number of persons employed inside .....	1,348	1,122
Number of persons employed outside .....	528	404
Number of fatal accidents inside .....	4	1
Number of fatal accidents outside .....		
Number of non-fatal accidents inside, 60 days' disability or more .....	17	15
Number of non-fatal accidents outside, 60 days' disability or more .....	9	3
Number of tons of coal produced per fatal accident inside .....	214,783	245,964
Number of tons produced per fatal accident inside and outside .....	214,783	245,964
Number of persons employed per fatal accident inside .....	337	1,122
Number of persons employed per fatal accident outside .....		
Number of persons employed per fatal accident inside and outside .....	472	1,526
Number of wives made widows .....	3	
Number of children made orphans .....	12	
Number of gasoline locomotives .....	1	
Number of compressed air locomotives .....	4	1
Number of steam locomotives .....	14	6

## Summary of Statistics—Continued

	1927	1928
<b>COLUMBIA COUNTY—Continued</b>		
Number of electric battery locomotives .....	5	5
Number of electric locomotives .....	20	21
Number of cylindrical boilers .....		
Number of tubular boilers .....	30	23
Number of steam engines of all classes .....	39	29
Number of internal combustion engines (gas) .....	1	
Number of electric dynamos .....	4	5
Number of electric motors (except haulage) .....	41	73
Number of scraper units .....		
Number of conveyor units .....		
Number of loading machines .....		
Number of air compressors .....	12	11
Number of pumps of all classes .....	18	12
Number of pumps delivering water to surface .....	10	8
Number of fans in use .....	10	9
Number of new mines opened .....		
Number of old mines abandoned .....		
<b>DAUPHIN COUNTY</b>		
Number of collieries in county .....	2	2
Number of mines in county .....	5	4
Number of mines in operation .....	5	4
Number of gaseous mines in operation .....	5	4
Number of non-gaseous mines in operation .....		
Number of washeries in operation .....	1	1
Number of tons of coal shipped to market .....	833,937	679,770
Number of tons used at mines for steam and heat .....	118,482	106,988
Number of tons sold to local trade and used by employes .....	23,000	21,917
Number of tons produced (gross) .....	975,479	808,675
Number of tons produced by compressed air machines .....		
Number of tons produced by electrical machines .....		
Number of tons produced by mechanical mining .....		
Number of persons employed inside .....	1,589	1,645
Number of persons employed outside .....	588	620
Number of fatal accidents inside .....	5	1
Number of fatal accidents outside .....	1	
Number of non-fatal accidents inside, 60 days' disability or more .....	25	33
Number of non-fatal accidents outside, 60 days' disability or more .....	3	5
Number of tons of coal produced per fatal accident inside .....	195,096	808,675
Number of tons produced per fatal accident inside and outside .....	162,580	808,675
Number of persons employed per fatal accident inside .....	318	1,645
Number of persons employed per fatal accident outside .....	588	
Number of persons employed per fatal accident inside and outside .....	363	2,265
Number of wives made widows .....	6	1
Number of children made orphans .....	14	
Number of gasoline locomotives .....		
Number of compressed air locomotives .....		
Number of steam locomotives .....	4	4
Number of electric battery locomotives .....		
Number of electric locomotives .....	20	20
Number of cylindrical boilers .....	2	2
Number of tubular boilers .....	20	20
Number of steam engines of all classes .....	16	16
Number of internal combustion engines (gas) .....		
Number of electric dynamos .....	5	6
Number of electric motors (except haulage) .....	52	56
Number of scraper units .....		
Number of conveyor units .....		
Number of loading machines .....		
Number of air compressors .....	6	6
Number of pumps of all classes .....	46	53
Number of pumps delivering water to surface .....	12	13
Number of fans in use .....	9	13
Number of new mines opened .....		
Number of old mines abandoned .....		
<b>LACKAWANNA COUNTY</b>		
Number of collieries in county .....	63	66
Number of mines in county .....	154	149
Number of mines in operation .....	154	149
Number of gaseous mines in operation .....	47	50
Number of non-gaseous mines in operation .....	107	99
Number of washeries in operation .....	5	3
Number of tons of coal shipped to market .....	14,153,318	13,534,633
Number of tons used at mines for steam and heat .....	882,489	852,015
Number of tons sold to local trade and used by employes .....	494,755	581,348
Number of tons produced (gross) .....	15,530,562	14,967,996

## Summary of Statistics—Continued

	1927	1928
<b>LACKAWANNA COUNTY—Continued</b>		
Number of tons produced by electrical machines		772,926
Number of tons produced by mechanical mining		964,954
Number of persons employed inside	30,449	30,102
Number of persons employed outside	7,239	6,726
Number of fatal accidents inside	120	91
Number of fatal accidents outside	7	12
Number of non-fatal accidents inside, 60 days' disability or more	373	422
Number of non-fatal accidents outside, 60 days' disability or more	41	49
Number of tons of coal produced per fatal accident inside	129,421	164,483
Number of tons produced per fatal accident inside and outside	122,288	145,320
Number of persons employed per fatal accident inside	254	331
Number of persons employed per fatal accident outside	1,034	561
Number of persons employed per fatal accident inside and outside	297	358
Number of wives made widows	94	79
Number of children made orphans	221	196
Number of gasoline locomotives	6	4
Number of compressed air locomotives		
Number of steam locomotives	80	79
Number of electric battery locomotives	59	57
Number of electric locomotives	792	685
Number of cylindrical boilers	9	7
Number of tubular boilers	295	313
Number of steam engines of all classes	574	509
Number of internal combustion engines (gas)	2	2
Number of electric dynamos	121	108
Number of electric motors (except haulage)	2,525	2,683
Number of scraper units		122
Number of conveyor units		20
Number of loading machines		7
Number of air compressors	198	174
Number of pumps of all classes		853
Number of pumps delivering water to surface	172	141
Number of fans in use	109	103
Number of new mines opened		
Number of old mines abandoned		
<b>LUZERNE COUNTY</b>		
Number of collieries in county	91	90
Number of mines in county	348	322
Number of mines in operation	348	322
Number of gaseous mines in operation	193	192
Number of non-gaseous mines in operation	155	130
Number of washeries in operation	5	7
Number of tons of coal shipped to market	24,683,731	23,140,141
Number of tons used at mines for steam and heat	2,214,459	1,926,181
Number of tons sold to local trade and used by employes	1,288,673	1,274,201
Number of tons produced (gross)	28,286,863	26,340,523
Number of tons produced by compressed air machines		
Number of tons produced by electrical machines		80,042
Number of tons produced by mechanical mining		562,926
Number of persons employed inside	52,359	50,737
Number of persons employed outside	14,256	13,545
Number of fatal accidents inside	181	200
Number of fatal accidents outside	13	8
Number of non-fatal accidents inside, 60 days' disability or more	667	752
Number of non-fatal accidents outside, 60 days' disability or more	66	88
Number of tons of coal produced per fatal accident inside	156,281	131,703
Number of tons produced per fatal accident inside and outside	145,809	126,637
Number of persons employed per fatal accident inside	289	254
Number of persons employed per fatal accident outside	1,097	1,693
Number of persons employed per fatal accident inside and outside	343	309
Number of wives made widows	146	143
Number of children made orphans	385	316
Number of gasoline locomotives	4	3
Number of compressed air locomotives	23	25
Number of steam locomotives	249	239
Number of electric battery locomotives	153	150
Number of electric locomotives	863	880
Number of cylindrical boilers	22	16
Number of tubular boilers	689	645
Number of steam engines of all classes	1,721	1,743
Number of internal combustion engines (gas)	17	9
Number of electric dynamos	191	158
Number of electric motors (except haulage)	3,597	3,839
Number of scraper units		105
Number of conveyor units		69
Number of loading machines		6
Number of air compressors	230	267

## Summary of Statistics—Continued

	1927	1928
<b>LUZERNE COUNTY—Continued</b>		
Number of pumps of all classes	1,634	1,593
Number of pumps delivering water to surface	347	356
Number of fans in use	259	296
Number of new mines opened		
Number of old mines abandoned		
<b>NORTHUMBERLAND COUNTY</b>		
Number of collieries in county	21	18
Number of mines in county	60	70
Number of mines in operation	60	66
Number of gaseous mines in operation	56	53
Number of non-gaseous mines in operation	24	24
Number of washeries in operation	5	2
Number of tons of coal shipped to market	5,909,212	4,894,231
Number of tons used at mines for steam and heat	591,623	521,461
Number of tons sold to local trade and used by employes	191,476	181,473
Number of tons produced (gross)	6,692,311	5,597,111
Number of tons produced by compressed air machines		11,545
Number of tons produced by electrical machines		243,955
Number of tons produced by mechanical mining		
Number of persons employed inside	10,923	10,374
Number of persons employed outside	3,717	3,421
Number of fatal accidents inside	30	30
Number of fatal accidents outside	4	1
Number of non-fatal accidents inside, 60 days' disability or more	182	156
Number of non-fatal accidents outside, 60 days' disability or more	31	22
Number of tons of coal produced per fatal accident inside	168,157	186,637
Number of tons produced per fatal accident inside and outside	161,341	180,616
Number of persons employed per fatal accident inside	363	344
Number of persons employed per fatal accident outside	929	3,431
Number of persons employed per fatal accident inside and outside	366	443
Number of wives made widows	26	22
Number of children made orphans	68	48
Number of gasoline locomotives	1	1
Number of compressed air locomotives		
Number of steam locomotives	44	44
Number of electric battery locomotives	25	19
Number of electric locomotives	104	111
Number of cylindrical boilers	2	2
Number of tubular boilers	160	144
Number of steam engines of all classes	256	174
Number of internal combustion engines (gas)	1	
Number of electric dynamos	22	34
Number of electric motors (except haulage)	569	607
Number of scraper units		34
Number of conveyor units		49
Number of loading machines		
Number of air compressors	41	38
Number of pumps of all classes	222	215
Number of pumps delivering water to surface	87	83
Number of fans in use	74	74
Number of new mines opened		
Number of old mines abandoned		
<b>SCHUYLKILL COUNTY</b>		
Number of collieries in county	72	60
Number of mines in county	199	180
Number of mines in operation	199	150
Number of gaseous mines in operation	136	124
Number of non-gaseous mines in operation	63	26
Number of washeries in operation	5	3
Number of tons of coal shipped to market	14,226,739	15,828,209
Number of tons used at mines for steam and heat	1,719,813	1,518,291
Number of tons sold to local trade and used by employes	411,994	421,697
Number of tons produced (gross)	16,343,481	15,778,197
Number of tons produced by compressed air machines		
Number of tons produced by electrical machines		198,078
Number of tons produced by mechanical mining		
Number of persons employed inside	26,672	25,825
Number of persons employed outside	11,735	10,263
Number of fatal accidents inside	28	28
Number of fatal accidents outside	11	9
Number of non-fatal accidents inside, 60 days' disability or more	556	662
Number of non-fatal accidents outside, 60 days' disability or more	107	69
Number of tons of coal produced per fatal accident inside	106,770	202,283
Number of tons produced per fatal accident inside and outside	140,940	181,358

## Summary of Statistics—Continued

	1927	1928
<b>SCHUYLKILL COUNTY—Continued</b>		
Number of persons employed per fatal accident inside	272	331
Number of persons employed per fatal accident outside	1,067	1,140
Number of persons employed per fatal accident inside and outside	332	415
Number of wives made widows	70	53
Number of children made orphans	197	150
Number of gasoline locomotives	2	2
Number of compressed air locomotives	50	48
Number of steam locomotives	225	294
Number of electric battery locomotives	45	32
Number of electric locomotives	300	295
Number of cylindrical boilers		4
Number of tubular boilers	642	580
Number of steam engines of all classes	595	553
Number of internal combustion engines (gas)	78	18
Number of electric dynamos	56	70
Number of electric motors (except haulage)	1,456	1,003
Number of scraper units		11
Number of conveyor units		45
Number of loading machines		
Number of air compressors	178	179
Number of pumps of all classes	533	519
Number of pumps delivering water to surface	227	216
Number of fans in use	162	159
Number of new mines opened		
Number of old mines abandoned		
<b>SULLIVAN COUNTY</b>		
Number of collieries in county	2	2
Number of mines in county	4	4
Number of mines in operation	4	4
Number of gaseous mines in operation		
Number of non-gaseous mines in operation	4	4
Number of washeries in operation		
Number of tons of coal shipped to market	104,074	88,805
Number of tons used at mines for steam and heat	25,620	24,150
Number of tons sold to local trade and used by employes	6,539	6,888
Number of tons produced (gross)	137,233	119,843
Number of tons produced by compressed air machines		
Number of tons produced by electrical machines		
Number of tons produced by mechanical mining		
Number of persons employed inside	481	442
Number of persons employed outside	153	120
Number of fatal accidents inside		2
Number of fatal accidents outside		1
Number of non-fatal accidents inside, 60 days' disability or more	3	8
Number of non-fatal accidents outside, 60 days' disability or more	1	1
Number of tons of coal produced per fatal accident inside		59,922
Number of tons produced per fatal accident inside and outside		89,948
Number of persons employed per fatal accident inside		221
Number of persons employed per fatal accident outside		120
Number of persons employed per fatal accident inside and outside		189
Number of wives made widows		2
Number of children made orphans		7
Number of gasoline locomotives		
Number of compressed air locomotives		
Number of steam locomotives		
Number of electric battery locomotives		
Number of electric locomotives		14
Number of cylindrical boilers		
Number of tubular boilers	13	13
Number of steam engines of all classes	13	15
Number of internal combustion engines (gas)		
Number of electric dynamos	5	5
Number of electric motors (except haulage)	4	15
Number of scraper units		
Number of conveyor units		
Number of loading machines		
Number of air compressors	3	5
Number of pumps of all classes	5	3
Number of pumps delivering water to surface		
Number of fans in use	2	3
Number of new mines opened		
Number of old mines abandoned		
<b>SUSQUEHANNA COUNTY</b>		
Number of collieries in county		
Number of mines in county		



## Summary of Statistics—Continued

	1927	1928
<b>SUSQUEHANNA COUNTY—Continued</b>		
Number of mines in operation	3	3
Number of gaseous mines in operation		
Number of non-gaseous mines in operation	3	3
Number of washeries in operation		
Number of tons of coal shipped to market	211,300	161,744
Number of tons used at mines for steam and heat	18,302	12,785
Number of tons sold to local trade and used by employes	5,860	5,835
Number of tons produced (gross)	235,462	180,764
Number of tons produced by compressed air machines		
Number of tons produced by electrical machines		17,348
Number of tons produced by mechanical mining		42,000
Number of persons employed inside	603	649
Number of persons employed outside	172	155
Number of fatal accidents inside	2	1
Number of fatal accidents outside		
Number of non-fatal accidents inside, 60 days' disability or more	5	8
Number of non-fatal accidents outside, 60 days' disability or more		
Number of tons of coal produced per fatal accident inside	117,731	180,764
Number of tons produced per fatal accident inside and outside	117,731	180,764
Number of persons employed per fatal accident inside	347	649
Number of persons employed per fatal accident outside		
Number of persons employed per fatal accident inside and outside	433	795
Number of wives made widows	1	1
Number of children made orphans	1	
Number of gasoline locomotives		
Number of compressed air locomotives		
Number of steam locomotives	2	3
Number of electric battery locomotives		
Number of electric locomotives	24	20
Number of cylindrical boilers		
Number of tubular boilers	23	23
Number of steam engines of all classes	26	24
Number of internal combustion engines (gas)		
Number of electric dynamos	5	4
Number of electric motors (except haulage)	75	75
Number of scraper units		2
Number of conveyor units		1
Number of loading machines		
Number of air compressors		
Number of pumps of all classes		20
Number of pumps delivering water to surface		7
Number of fans in use	1	3
Number of new mines opened		
Number of old mines abandoned		
<b>WAYNE COUNTY</b>		
Number of collieries in county	1	1
Number of mines in county	1	4
Number of mines in operation	1	4
Number of gaseous mines in operation		
Number of non-gaseous mines in operation	1	4
Number of washeries in operation		
Number of tons of coal shipped to market	48,474	81,033
Number of tons used at mines for steam and heat	4,351	2,638
Number of tons sold to local trade and used by employes	1,399	1,157
Number of tons produced (gross)	54,224	34,828
Number of tons produced by compressed air machines		
Number of tons produced by electrical machines		
Number of tons produced by mechanical mining		* 87,288
Number of persons employed inside	502	403
Number of persons employed outside	348	119
Number of fatal accidents inside		
Number of fatal accidents outside		
Number of non-fatal accidents inside, 60 days' disability or more	4	
Number of non-fatal accidents outside, 60 days' disability or more		
Number of tons of coal produced per fatal accident inside		
Number of tons produced per fatal accident inside and outside		
Number of persons employed per fatal accident inside		
Number of persons employed per fatal accident outside		
Number of persons employed per fatal accident inside and outside		
Number of wives made widows		
Number of children made orphans		
Number of gasoline locomotives		1
Number of compressed air locomotives		
Number of steam locomotives	2	2
Number of electric battery locomotives	3	3
Number of electric locomotives	6	6
Number of cylindrical boilers		
Number of tubular boilers	4	4

## Summary of Statistics—Concluded

	1927	1928
<b>WAYNE COUNTY—Continued</b>		
Number of steam engines of all classes .....	26	24
Number of internal combustion engines (gas) .....		
Number of electric dynamos .....	3	3
Number of electric motors (except haulage) .....	84	79
Number of scraper units .....		13
Number of conveyor units .....		
Number of loading machines .....		
Number of air compressors .....	1	8
Number of pumps of all classes .....		29
Number of pumps delivering water to surface .....		4
Number of fans in use .....	2	3
Number of new mines opened .....		
Number of old mines abandoned .....		
* Includes Lackawanna & Susquehanna Counties		

Table 1—Operators, Location of Collieries, Railroads, 1928

Operators and Collieries	District	General Superintendent	Post Office	Superintendent	Post Office	Railroad to Mine
<b>CARBON COUNTY</b>						
Coleraine Colliery Co.						
Coleraine Washery	16	E. D. Ames	Junedale	Charles Dougherty	Junedale	L. V.; Reading; C. R. R. of N. J.
Coxe Brothers & Co., Inc.						
Beaver Meadow	16	Thomas P. Thomas	Wilkes-Barre	George R. Wood	Hazleton	L. V.
Evans Colliery Co.						
Evans	16	James S. Burgess	Hazleton	James S. Burgess	Hazleton	L. V.
Lehigh Coal & Navigation Co.						
Coaldale	17	J. B. Warriner	Lansford	E. G. Evans	Lansford	L. & N. E.
Lansford	17	"	"	D. C. Helms	Lansford	L. & N. E.
Nesquehoning	17	"	"	F. B. Nold	Lansford	C. R. R. of N. J.; L. & N. E.
Lehigh Valley Coal Co.						
Spring Brook	16	Thomas P. Thomas	Wilkes-Barre	George R. Wood	Hazleton	L. V.
<b>COLUMBIA COUNTY</b>						
Hazle Brook Coal Co.						
Midvalley	22	E. P. Humphrey	Jeddo	C. F. Snyder	Wilburton	L. V.
Lehigh Valley Coal Co.						
Centralia	22	Thomas P. Thomas	Wilkes-Barre	H. J. Heffner	Centralia	Erie
Continental Washery	22					"
Phila. & Reading Coal & Iron Co.						
Potts	22	J. R. Sharp	Pottsville	J. J. Herrity	Ashland	Reading
<b>DAUPHIN COUNTY</b>						
Susquehanna Collieries Co.						
Short Mountain	25	D. V. Randall	Wilkes-Barre	E. A. Van Horn	Lykens	Pa.
Short Mountain Washery	25	"	"	"	"	"
Williamstown	25	"	"	"	"	"
<b>LACKAWANNA COUNTY</b>						
Beardslee & Lewis Coal Co.						
Stone Quarry	1	John S. Rees	Peckville	John S. Rees	Peckville	None.
Childs Coal Co.						
No. 1 mine	2	Frank Passarelli	Seranton			Truck to N. Y. O. & W.
D. F. M. Co.						
No. 1 mine	2		1751 Sanderson Ave	Leonard Davies	Scranton	Erie
Dunmore Anthracite Coal Co.						
Dunmore	6	M. J. Boychuk	Dunmore		Scranton (825 N. Lincoln Ave)	Erie
Fireside Coal Co.						
Fireside (x)						

M. A. Franklin Coal Co.						
Franklin Washery (c)	3					
John Gibbons Coal Co.						
Gibbons	5	Joseph M. Gallagher	Seranton			D. L. & W; D. & H.
Glen Alden Coal Co.						
Archbald	5	S. D. Dimmick	Seranton	W. E. Watkins	Taylor	D. L. & W.
Baker	5	"	"	T. Lester Oliver	Seranton	"
Diamond	3	"	"	S. M. Harrison	Seranton	"
Hampton Plants	5	"	"	C. R. Seems	Seranton	"
Hyde Park	5	"	"	W. J. Davis	Seranton	"
Pyne	4	"	"	W. F. Powell	Seranton	"
Storrs	6	"	"	J. L. Reynolds	Dickson City	"
Taylor	4	"	"	F. A. Gleason	Seranton	"
Glendale Anthracite Collieries						
Glendale	1			L. F. Weichel	Jessup	D. & H.
Green Ridge Coal Co.						
Green Ridge	4	David Lloyd	Seranton			Erie
Grove Hill Coal Co.						
Lackawanna	6	George Wilson	Dunmore			Truck
Hillside Coal & Iron Co.						
Forest City	1	G. M. Gillette	Seranton	Peter Harry	Forest City	Erie
Hudson Coal Co.						
Clinton	1	Cadwallader Evans, Jr.	Seranton	F. L. Zollinger	Vandling	D. & H; Erie
Coal Brook	2	"	"	Evan Williams	Carbondale	D. & H.
Eddy Creek	3	"	"	William Davison	Olyphant	"
Gravity Slope	2	"	"	Edison Thomas	Archbald	"
Greenwood	5	"	"	J. D. Price	Moosic	"
Jermyn	2	"	"	A. J. Wiegand	Jermyn	"
Marvine	3	"	"	K. S. Hughes	Seranton	"
Olyphant	6	"	"	William Davison	Olyphant	"
Powderly	2	"	"	Arthur Williams	Carbondale	"
Gravity Slope Washery	2	"	"	Edison Thomas	Archbald	"
Humbert Coal Co.						
Sunnyside	1	M. J. Loftus	Jessup	M. J. Loftus	Jessup	Erie
Jermyn & Co.						
Jermyn	4	John P. Corcoran	Old Forge			Erie; L. V; D. L. & W.
Lackawanna Anthracite Mining Co.						
Richmondale	1	Harry Rubin	Carbondale	Thomas Gillen	Carbondale	N. Y. O. & W.
Lackawanna Coal Co., Ltd.						
Lackawanna	6	W. P. Jennings	Seranton	John Mellow	Blakely	Erie
Lackawanna Valley Fuel Co.						
Old Buffalo Mine	1	G. H. Montgomery	Carbondale	G. H. Montgomery	Carbondale	N. Y. O. & W.
Glenwood Washery	2			William Davies	Mayfield	N. Y. O. & W.
Throop Washery	6	Frank Carucci	Seranton	S. J. Connell	Dickson City	N. Y. O. & W.
Langcliffe Collieries, Inc.						
Boland Mine	1	E. B. Jermyn, Jr.	Seranton	J. P. Corcoran	Carbondale	D. & H.
Tappans Mine	2	John P. Corcoran	Seranton	John Sweeney	Archbald	D. & H.

(x)—Not reported.  
(c)—Abandoned.

Table 1—Operators, Location of Collieries, Railroads, 1928—Continued

Operators and Collieries	District	General Superintendent	Post Office	Superintendent	Post Office	Railroad to Mine
<b>LACKAWANNA COUNTY—Cont'd.</b>						
Lehigh Valley Coal Co.	7	Thomas P. Thomas	Wilkes-Barre	W. A. Reutalbuber	Wilkes-Barre	D. & H.
Lincoln Coal Co.	2	John Allen	Jermyn			D. & H.
Meadowside Coal Co.	6	J. O. Christian	Scranton			Erie; D. L. & W.
Mid-City Coal Co.	3	Jay Law	Scranton	James Harper	Scranton	Trucks to N. Y. O. & W.
Mine Run Coal Co.	1	Vincenzo DeAngelis	Jermyn	Vincenzo DeAngelis	Jermyn	D. & H.
Devil's Eye Brow Mine	5	P. J. Conaboy	Scranton			L. & W. V.
Moffat Coal Co.	1	Frank Murrin	Carbondale	John Murrin	Carbondale	N. Y. O. & W.
Murrin Coal Co.	5	Charles Namura	Moosik			D. & H.
Namura Coal Co.	2	G. M. Gillette	Dunmore	Andrew D. Bryden	Dunmore	Erie
Pennsylvania Coal Co.	4	"	"	John N. Cooke	Old Forge	"
Erie Mine	6	"	"	H. E. Yewen	Scranton	"
Old Forge	4	"	"	William Muir	Scranton	"
No. 1	6	"	"	L. F. Sanner	Scranton	"
No. 5	5					
Underwood						
Powell & Jennings Coal Co.						
Rocky Glen*						
Pricer-Pancoast Coal Co.	4	Floyd G. Wilcox	Scranton	Abe Pierson	Throop	N. Y. O. & W; D. L. & W.
Public Service Coal Co.	6	William Harris	Forty Fort			Erie
Marshwood	1	Charles Dorfance	Scranton	Joba A. Hines	Carbondale	D. & H.
Racket Brook Coal Co.	4					
Rec'et Brook						
Ransom Coal Co.						
Ransom (a)						
Raub Coal Co.	7	Gwilym Edwards	Luverne	Gwilym Edwards	Luverne	L. V.
Austin Tunnel	4	E. F. McGlynn	Scranton			Trucks
Boaring Brook Coal Co.	4	James L. Cooney	Scranton	Joseph Mayers	Scranton	N. Y. O. & W.
Roaring Brook				Joseph Mayers	Scranton	O. & W.
Scranton Coal Co.						
Capouse						
Johnson						

(a) Ransom Colliery abandoned December 31, 1927.

\* Idle for a number of years.

Mt. Pleasant	4	"	Joseph Mayers	Seranton	N. Y. O. & W.
Ontario	6	"	Joseph Mayers	Seranton	O. & W. & W.
Pine Brook	4	"	Joseph Mayers	Seranton	N. Y. O. & W.
Raymond Mine	2	"	Edward Evans	Peckville	N. Y. O. & W.
Richmond No. 3	6	"	Joseph Mayers	Seranton	O. & W.
Riverside	2	"	Edward Evans	Peckville	N. Y. O. & W.
West Ridge	2	"	Joseph Mayers	Seranton	Trucks
South Penn Collieries Co., R. H. Buchanan, Receiver	3	Seranton	Thomas F. Steele	Seranton	D. & H.
Lagitta Creek	3	"	"	"	"
Von Storch	6	Seranton	Thomas Baggott	Seranton	Erie
Spencer Coal Co.	2	Seranton	"	"	"
Sunrise Coal Co.	1	Seranton	John Mellow	Simpson	N. Y. O. & W.
Sunrise Stripping	2	Seranton	John Mellow	Jermyn	N. Y. O. & W.
Temple Coal Co.	6	Seranton	"	"	Erie
Northwest	2	"	"	"	Truck
Sterrick Creek	2	"	"	"	"
Throop Coal Co.	2	"	"	"	"
Crippen	2	"	"	"	"
West Jermyn Coal Co.	2	"	J. Loughney	Jermyn	N. Y. O. & W.
West Jermyn	14	"	"	"	"
<b>LUZERNE COUNTY</b>					
Alden Coal Co.	14	Alden Station	William S. Norton	Alden Station	C. R. R. of N. J.
Alden Washery	14	"	"	"	"
Barry Coal Co.	12	Kingston	E. H. Whitney	Kingston	None
Barry Stripping	15	Jeddo	Sol Jenkins	Fern Glen	Pa.
Buck Mountain Coal Mining Co.	10	"	"	"	"
Gowen	7	Avoea	M. H. O'Toole	Avoea	Erie
Central Coal Co.	7	"	"	"	"
Wyoming †	7	"	"	"	"
Clifford Coal Co., Receivers	20	Hudson	W. R. Conlon	Hudson	D. & H.; Erie
Clifford	10	"	"	"	"
Clifford Washery	15	Wilkes-Barre	R. A. Evans	Hasleton	L. V.
Clifford Stripping	15	"	R. A. Evans	Hasleton	L. V.
John Conlon Coal Co.	15	"	George R. Wood	Hasleton	L. V.
Conlon	8	Kingston	"	"	Truck
Madeira					
Coxe Brothers & Co., Inc.					
Drifton					
Eckley & Buck Mountain					
Deringer & Tomblaken					
R. M. Cranston					
R. Cranston					

† Not operating in 1928.

Table 1—Operators, Location of Collieries, Railroads, 1928—Continued

Operators and Collieries	District	General Superintendent	Post Office	Superintendent	Post Office	Railroad to Mine
<b>LUZERNE COUNTY—Cont'd.</b>						
Charles M. Dodson & Co. Beaver Brook	16	E. S. Christ	Beaver Brook	E. S. Christ	Beaver Brook	C. R. R. of N. J.; L. V.
East Alden Mining Co. East Alden	14	A. F. Connell	Nanticoke	A. F. Connell	Nanticoke	L. V.
East Boston Coal Co. East Boston	10	W. T. Payne	Kingston	Howard Reilly	Forty Fort	D. L. & W.; L. V.; D. & H.; Pa.
Fox Hill Mining Co. Fox Hill	10	William D. Powell	Forty Fort	William D. Powell	Forty Fort	None
Glen Alden Coal Co. Auchincloss	14	S. D. Dimmick	Seranton	W. C. Fancourt	Kingston	D. L. & W.
Avondale	13	"	"	John Mould	Kingston	"
Bliss	14	"	"	Henry Kittle	Nanticoke	"
Hallstead	7	"	"	George Bechler	Duryea	"
Loomis	13	"	"	Walter Fancourt	Kingston	"
Loomis Power Plant	13	"	"	Walter Fancourt	Kingston	"
Pettebone	10	"	"	G. P. Troutman	Kingston	"
Truesdale	13	"	"	David Girvan	Nanticoke	"
Woodward	12	"	"	H. N. Smith	Kingston	"
Grand Tunnel Coal Co. West Nanticoke	13	H. O. Staples	Seranton	A. G. Getty	Nanticoke	Pa.
Haddock Mining Co. Black Diamond	10	John J. Walsh	Kingston	Thomas Stratford	Luzerne	D. L. & W.; L. V.
Hanover Coal Co. Cullen Washery	12			Edward Cockran	Plymouth	C. R. R. of N. J.; D. L. & W.
Harris Denly Coal Co. Kintz	9	William Harris	Forty Fort	William Harris	Pittston	Trucks to L. V.; D. L. & W.
Hazle Brook Coal Co. Hazle Brook	15	E. P. Humphrey	Jeddo	W. A. Merdine	Hazle Brook	L. V.
Upper Lehigh	15			D. W. Muir	Upper Lehigh	C. R. R. of N. J.
Hillside Coal & Iron Co. Butler	7	G. M. Gillette	Dunmore	Thomas P. Huntley	Pittston	Erie
Hudson Coal Co. Baltimore No. 5	11	Cadwallader Evans, Jr.	Seranton	K. A. Lambert	Parsons	D. & H.
Baltimore No. 2		"	"	Thomas Coates	Lafin	"
Lafin	7	"	"	Edward Flynn	Plymouth	"
Loree No. 5	12	"	"	Edward Manning	Miners Mills	"
Pine Ridge	10	"	"			"

Jeddo-Highland Coal Co. Highland No. 2	15	A. B. Jessup	Jeddo	James Connors	Jeddo	L. V.
Highland No. 5	15	"	"	Patrick J. Marley	"	"
Jeddo No. 4	15	"	"	Jacob Steidle	"	"
Jeddo No. 7	15	"	"	James Renshaw	"	"
John-Ames Coal Co. Franklin Washery	11			W. C. Horlacher	Wilkes-Barre	L. V.
Kingston Coal Co. Gaylord	12	F. E. Zerbey	Kingston	T. H. Williams	Kingston	D. L. & W.; D. & H.; Pa.; C. R. R. of N. J.
Kingston No. 2	12	"	"	"	"	D. L. & W.; D. & H.; Pa.; C. R. R. of N. J.
Kingston No. 4	9	"	"	"	"	L. V.; D. L. & W.; Pa.; D. & H.
Langcliffe Collieries Inc. Avoca	7	E. B. Jermyn	Seranton	J. P. Corcoran	Avoca	D. & H.; Erie
George F. Lee Coal Co. Chauncey	13	George F. Lee	Wilkes-Barre	Russell Doland	Plymouth	D. L. & W.
Lehigh Coal Co. Hazle Mountain No. 5	15	T. L. Evans	Wilkes-Barre (Miners Bank Bldg.)			Pa.
Lehigh Coal & Navigation Co. Cranberry	16	J. B. Warriner	Lansford	A. L. Walbridge	Hazleton	L. V.
Lehigh Valley Coal Co. Dorrance	11	Thomas P. Thomas	Wilkes-Barre	J. H. Haertter	Wilkes-Barre	L. V.
Exeter	9	G. P. Gallagher	"	K. F. Arbogast	Pittston	"
Franklin	11	Thomas P. Thomas	"	P. S. Warriner	Wilkes-Barre	"
Hazleton No. 1	15	Thomas P. Thomas	"	R. A. Evans	Hazleton	"
Hazleton Shaft & Stockton	15	Thomas P. Thomas	"	"	"	"
Heidelberg	7	Thomas P. Thomas	"	W. A. Reutelhuber	Wilkes-Barre	"
Maltby	9	G. P. Gallagher	"	K. F. Arbogast	Swoyersville	"
Mineral Spring	10	Thomas P. Thomas	"	P. S. Warriner	Wilkes-Barre	"
Prospect (Susq. div.)	9	G. P. Gallagher	"	J. H. Haertter	"	"
Prospect (Henry)	10	Thomas P. Thomas	"	"	"	"
Seneca	7	Thomas P. Thomas	"	W. A. Reutelhuber	Wilkes-Barre	"
Spring Mountain	16	Thomas P. Thomas	"	George R. Wood	Hazleton	"
Stevens xx	9					
Warrior Run	13	Thomas P. Thomas	Wilkes-Barre	Paul Warriner	Wilkes-Barre	L. V.
Westmoreland	9	G. P. Gallagher	"	K. F. Arbogast	Wyoming	"
William A.	7	Thomas P. Thomas	"	W. A. Reutelhuber	Wilkes-Barre	"
Lehigh & Wilkes-Barre Coal Co. Buttonwood No. 22	13	Edward Griffith	Wilkes-Barre	John Joseph	Wilkes-Barre	C. R. R. of N. J.
Hollenback No. 2	11	"	"	W. L. Davis	"	"
Lancee No. 11	12	"	"	R. G. Carpenter	"	"
Maxwell No. 20	13	"	"	Thomas Gambold	"	"
Nottingham No. 15	12	"	"	R. G. Carpenter	"	"
So. Wilkes-Barre No. 5	11	"	"	J. D. Joseph	"	"
xx Idle.						

Table 1—Operators, Location of Collieries, Railroads, 1928—Continued

Operators and Collieries	District	General Superintendent	Post Office	Superintendent	Post Office	Railroad to Mine
<b>LUZERNE COUNTY—Cont'd.</b>						
Lehigh & Wilkes-Barre Coal Co.—Cont'd.						
Stanton No. 7	11	Edward Griffith	Wilkes-Barre	W. L. Davis	Wilkes-Barre	C. R. R. of N. J.
Sugar Notch No. 9	13	"	"	Thomas Gambold	"	"
Wanamie No. 18	14	"	"	Lewis J. Davies	Wanamie	"
Lehigh-Wyoming Valley Coal Co.						
Florence	7	C. E. Banker	Kingston	Bernard Holleran	Dupont	Erie
Lynott & Brown						
Stripping	8			Joseph A. Lynott	Pittston	Truck
Miners Mills Coal Mining Co.						
Miners Mills	10	Gwilym Edwards	Luzerne	R. Bruce Weir	Wyoming	L. V.
Mt. Lookout Coal Co.						
Mt. Lookout	9	W. P. Jennings	Scranton	Phil Maue	Wyoming	L. V.; D. L. & W.
Nanticoke Valley Coal Co.						
Nanticoke Washery No. 5	14	Nat Stevens	Wilkes-Barre	Nat Stevens	Wilkes-Barre	Pa.
Pardee Brothers & Co. Inc.						
Beaver Brook	16	John Crooks	Lattimer Mines			L. V.
Lattimer	15	"	"			"
Pennsylvania Coal Co.						
Central	7	G. M. Gillette	Scranton	Thomas Ridgley	Avoca	Erie
Ewen	8	"	"	J. C. Johnson	Pittston	"
No. 14	8	"	"	John Brown	"	"
No. 6	8	"	"	Elkins Read	"	"
No. 9	8	"	"	John J. Wynne	"	"
Pittston Coal Mining Co.						
Hadleigh	13	W. F. Connelly	Pittston	Frank Ward	Sugar Notch	C. R. R. of N. J.
Plymouth Red Ash Coal Co.						
Red Ash	12	John Nayduch	Mayfield	Harry Adams	Plymouth	D. L. & W.
T. F. Quinn Coal Co.						
Consolidated	7	T. F. Quinn	Scranton	James J. Moore	Dunmore	N. Y. S. & W.
Raub Coal Co.						
Louise	10	Gwilym Edwards	Luzerne	Gwilym Edwards	Luzerne	L. V.
Sandy Run Coal Co.						
Sandy Run	15	H. J. Kuth	Sandy Run			C. R. R. of N. J.
Scranton Anthracite Coal Co.						
Barnum	7	M. J. Rafferty	Scranton	J. F. O'Toole	Scranton	Erie
Pickaway	7	"	"	"	"	"
E. S. Stackhouse Coal Co.						
Salem	14	E. S. Stackhouse	Shickshinny	W. R. Ritter	Shickshinny	D. L. & W.
Sullivan & Flynn Coal Co.						
Sullivan & Flynn	11			Richard Davis	Wilkes-Barre	L. V.

Suscon Coal Co.	9	Pasquale Adonizio	Pittston	Pasquale Adonizio	Pittston	Erie
Susquehanna Collieries Co.	14	D. V. Randall	Wilkes-Barre	William Weineck	Nanticoke	Pa.
No. 6	14	"	"	Nat Stevens	Wilkes-Barre	"
Washery	14	Nat Stevens	"	Phil Maue	Swoyersville	L. V.; D. L. & W.
Temple Coal Co.	9	W. P. Jennings	Scranton			Pa.
Harry E.						
Terry Coal Co.	13	Thomas W. Walsh	Exeter			
Black Creek Washery						
Traders Coal Co.	10					
Ridgewood †						
Troy Coal Co.	9	M. J. Healey	Plains	M. J. Healey	Wyoming	L. V.
Troy						
West End Coal Co.	14	F. G. Wilcox	Scranton	J. J. Bridel	Mocanaqua	Pa.
West End						
Wolf Collieries Co. Inc.	15	Joseph G. Sancks	Freeland			L. V.
Woodside Mines						
Yatesville Coal Co.	9	Pasquale Adonizio	Pittston	Pasquale Adonizio	Pittston	Erie
Yatesville						
† Not operating in 1928						
<b>NORTHUMBERLAND COUNTY</b>						
Colonial Colliery Co.	23	T. R. Jones	Frackville	George J. Jones	Natalie	Reading
Colonial						
Excelsior Coal Co.	24	S. W. Robertson	Excelsior	J. P. Reighard	Excelsior	Reading
Corbin						
Lehigh Valley Coal Co.	22	Thomas P. Thomas	Wilkes-Barre	N. L. Fetterman	Centralla	L. V.
Sayre						
Northumberland Mining Co.	24	H. D. Kynor	Excelsior	H. D. Kynor	Excelsior	Reading
Enterprise						
Phila. & Reading Coal & Iron Co.	23	F. O. Caldwell	Shamokin	John L. Davies	Mt. Carmel	Reading
Alaska	24	"	"	E. C. Jones	Shamokin	"
Bear Valley	24	"	"	W. R. Plummer	"	"
Burnside	24	"	"	J. E. Klase	"	"
Henry Clay	24	"	"	Albert R. Harris	Mt. Carmel	"
Locust Spring	23	"	"			"
Big Mountain	24	"	"	W. S. Zartman	Shamokin	"
North Franklin	24	"	"	W. A. Seitzinger	Mt. Carmel	"
Reliance	23	"	"			"
Stirling	24	"	"			"
Shamokin Coal Co.	24			B. C. Osler	Shamokin	Reading
Nelson						
Shamokin Colliery Co.	23	E. B. Hartman	Mt. Carmel	E. B. Hartman	Mt. Carmel	Pa.
Washery						
South Penn Collieries Co.	24	R. H. Buchanan	Scranton	George H. Jones	Shamokin	Reading
Katherine						
Stevens Chapin Coal Co.	23	Nat. D. Stevens	Wilkes-Barre	E. B. Hartman	Mt. Carmel	Pa.
Washery						

Table 1—Operators, Location of Collieries, Railroads, 1928—Continued

Operators and Collieries	District	General Superintendent	Post Office	Superintendent	Post Office	Railroad to Mine
<b>NORTHUMBERLAND COUNTY—Cont'd.</b>						
Susquehanna Collieries Co.						
Cameron	24	D. V. Randall	Wilkes-Barre	W. B. Geise	Shamokin	Reading
Luke Fidler	24	"	"	"	"	"
Pennsylvania	23	"	"	"	"	"
Richards	23	"	"	"	"	"
Scott	23	"	"	"	"	"
<b>SCHUYLKILL COUNTY</b>						
Black Heath Coal Co.	19	James G. Scott	Minersville	James G. Scott	Minersville	Truck
Buck Run Coal Co.	10	James B. Neale	Buck Run	B. H. Hay	Buck Run	Reading
Chestnut Hill Coal Co.	18	James Grace	Pottsville	James Grace	Pottsville	Reading
Coxe Brothers & Co., Inc.	16	Thomas P. Thomas	Wilkes-Barre	George R. Wood	Hazleton	L. V.
East Bear Ridge Colliery Co.	22	W. P. Jennings	Seranton	I. D. Thomas	Mahanoy Plane	Reading
Frackville Coal Co.	18	Daniel T. Slattery	Cumbola	Daniel T. Slattery	Cumbola	Reading
Gorman & Campion	18	Daniel T. Slattery	Tuscarora	Daniel T. Slattery	Tuscarora	Reading
Haddock Mining Co.	16	John Weisb	Wilkes-Barre	F. H. Alderson	Hazleton	Reading
Candlemas	18	"	"	W. L. Cross	Pottsville	"
Salem Hill						
Harleigh-Brookwood Coal Co.	22	E. H. Suender	Frackville	E. D. Straub	Frackville	Reading
Lawrence	21	"	"	George H. Lovell	Shenandoah	Reading; L. V.
Thomas						
Hazle Brook Coal Co.	22	E. P. Humphrey	Jeffco	Peter Shovlin	Girardville	Reading
Girard	18	"	"	Ralph Unger	Maryd	Reading; C. R. B.
Maryd						of N. J.
Raven Run	21	"	"	Walter Williams	Raven Run	Reading; L. V.
Westwood	25	"	"	S. B. Creveling	Tremont	Reading
Laurel Coal Mining Co.	22	J. J. Walsh	Mowery	B. L. Keller	Mowery	Reading
Bickle						
Lehigh Coal & Navigation Co.	18	J. B. Warriner	Lansford	D. K. Glover	Kaska	Reading
Alliance	17	"	"	E. G. Evans	Lansford	L. & N. E.
Coaldate						



17	Greenwood	Thomas P. Thomas	"	"	J. L. Richards	Summit Hill	"
17	Rahn	"	"	"	T. J. Evans	Coaldale	"
18	Tannaqua	"	"	"	C. D. Rubert	Lansford	"
18	Lehigh Valley Coal Co.	Thomas P. Thomas	Wilkes-Barre	Wilkes-Barre	John W. Price	Mahanoy City	L. V.
20	Buc Mountain	"	"	"	"	"	"
21	Packer No. 2	"	"	"	E. O. Holderman	Lost Creek	"
21	Packer No. 3	"	"	"	"	"	"
21	Packer No. 4	"	"	"	Hayden Owens	"	"
21	Packer No. 5	"	"	"	John W. Price	Mahanoy City	"
20	Springdale Washery	"	"	"	Walter Fabringer	Audenried	C. R. R. of N. J.
16	Lehigh & Wilkes-Barre Coal Co.	Edward Griffith	Wilkes-Barre	Wilkes-Barre	"	"	"
16	Audenried No. 4	"	"	"	"	"	"
16	Honey Brook	"	"	"	"	"	"
16	Locust Mountain Coal Co.	"	"	"	"	"	"
21	Weston	B. H. Stockett	Shenandoah	Shenandoah	R. J. Teal	Shenandoah	L. V.
19	Lytile	D. V. Randall	Wilkes-Barre	Wilkes-Barre	W. W. Williams	Minersville	Pa.; Reading
18	Mill Creek Coal Co.	E. H. Suender	Prackville	Prackville	M. B. Holder	Morea	Pa.; L. V.
18	Phila. & Reading Coal & Iron Co.	J. R. Sharp	Pottsville	Pottsville	Fred. Cadwell	Shamokin	Reading
22	Baneroft	"	"	"	F. W. Landefeld	Ashland	"
22	Bast	"	"	"	Joseph Maguire	Tremont	"
25	Brookside	"	"	"	H. F. Schrawder	Pottsville	"
18	Eagle Hill	"	"	"	Louis Riley	Mahanoy City	"
20	Efangowan	G. B. Hadesy	"	"	William E. Jones	Gilberton	"
22	Gilberton	J. R. Sharp	"	"	W. A. Williams	Good Spring	"
25	Good Spring	"	"	"	P. J. Quigley	Shenandoah	"
21	Hammond	G. B. Hadesy	"	"	Daniel Holahan	Pine Grove	"
25	Lincoln	J. R. Sharp	"	"	T. B. VanBuren	Mahanoy City	"
20	Mahanoy City	G. B. Hadesy	"	"	John Schuster	"	"
20	Maple Hill	"	"	"	George Mayer	"	"
20	North Mahanoy	"	"	"	O. E. McGhee	Branchdale	"
19	Otto	J. R. Sharp	"	"	"	"	"
19	Phoenix Park	J. R. Sharp	Pottsville	Pottsville	D. L. Frelter	Pottsville	Reading
19	Pine Knot	"	"	"	"	"	"
18	Reevesdale	"	"	"	"	"	"
21	Shenandoah City	G. B. Hadesy	"	"	Joseph B. Garner	Shenandoah	"
18	Silver Creek	J. R. Sharp	"	"	A. J. Hauptly	Silver Creek	"
20	Tunnel Ridge	G. B. Hadesy	"	"	John Perry	Mahanoy City	"
18	Wadesville	J. R. Sharp	"	"	Thomas P. Davis	Pottsville	"
21	West Shenandoah	G. B. Hadesy	"	"	Peter McGonigle	Shenandoah	"
25	Middle Creek Washery	J. R. Sharp	"	"	M. J. Doyle	Tremont	"
18	Pine Forest Washery	"	"	"	"	"	"

<sup>1</sup> Not operating; partly dismantled.

<sup>2</sup> Glendower and Thomson are sections of Pine Knot Colliery.

Table 1—Operators, Location of Collieries, Railroads, 1928—Concluded

Operators and Collieries	District	General Superintendent	Post Office	Superintendent	Post Office	Railroad to Mine
<b>SCHUYLKILL COUNTY—Cont'd</b>						
Pine Hill Coal Co.	19	E. Stockett	Minersville	W. B. Wells	Minersville	Reading Pa.
Oak Hill	19	"	"	I. T. Lewis	"	"
Pine Hill	19	James B. Neale	Buck Run	D. J. Boyle	Pottsville	Pa.; Reading
Reppier Coal Co.	18	H. M. Smyth	Pottsville	H. M. Smyth	Pottsville	Reading
New Castle	19	E. O. Marty	Pottsville	G. N. Gray	Pottsville	Truck to Reading
Saint Clair Coal Co.	18	R. H. Buchanan	Seranton	George H. Jones	Port Carbon	Reading
Saint Clair	21	D. V. Randall	Wilkes-Barre	M. O. Edwards	Shaft	Pa.
Sherman Coal Corp.						
South Penn Collieries Co.						
Randolph						
Susquehanna Collieries Co.						
Wm. Penn						
<b>SULLIVAN COUNTY</b>						
Connell Anthracite Mining Co.	10	A. Widdowfield	Seranton	T. V. McLaughlin	Mildred	L. V.
CConnell	10	M. J. Murray	Seranton	R. G. May	Lopez	L. V.
Northern Anthracite Coal Co.						
Murray						
<b>SUSQUEHANNA COUNTY</b>						
Clifford Coal Co.	1					
Stillwaters	1	G. M. Gillette	Seranton	Peter Parry	Forest City	Erie
Hillside Coal & Iron Co.	1	Cadwalader Evans, Jr.	Seranton	F. L. Zollinger	Vandling	D. & H.; Erie
Forest City						
Hudson Coal Co.						
Clinton						
<b>WAYNE COUNTY</b>						
Hillside Coal & Iron Co.	1	G. M. Gillette	Seranton	Peter Parry	Forest City	Erie
Forest City	1	Cadwalader Evans, Jr.	Seranton	F. L. Zollinger	Vandling	D. & H.; Erie
Hudson Coal Co.						
Clinton						
Vandling Coal Co.						
Northeast						
		E. C. Widden	Vandling	E. C. Widden	Vandling	N. Y. O. & W.

Not reported.

Table 2—Number of tons of coal mined, number of days worked, number of persons employed, number killed and injured, quantity of powder, dynamite and permissible explosives used, 1927

Operators and collieries	District	Tons of coal shipped to market	Tons used at collieries for steam and heat	Tons sold to local trade and used by employees	Total production of coal in tons (Gross)	Number of days worked	Number of employees	Number of fatal accidents	Number of non-fatal accidents disability 60 days or more	Explosives		
										Pounds of black powder used	Pounds of dynamite used	Pounds of permissible explosives used
<b>CARBON COUNTY</b>												
Coleraine Colliery Co.	16	19,267	3,250		22,517	163	70					150
Coleraine Washery											6,000	
Coxe Brothers & Co., Inc.,	16	177,921	22,838	5,389	206,143	106	604	1	3		177,200	
Beaver Meadow												
Evans Colliery Co.	16	61,668	600	8,456	70,724	202	207		1		8,500	61,875
Lehigh Coal & Navigation Co.												
Nesquehoning	17	773,002	19,870	10,699	794,582	256	1,430	2	16		407,056	109,977
Lansford	17	756,927	30,940	2,538	791,406	237	1,589	7	29	6,000	766,923	57,775
Coaldale	17	370,293	21,517	15,075	407,064	230	578		3		190,970	60,295
Total		1,900,411	65,427	29,223	1,995,071		3,006	9	45	6,000	1,364,548	228,147
Lehigh Valley Coal Co.	16	92,957	600		92,957	211	177		5		24,020	
Spring Brook <sup>1</sup>												
Grand total		2,251,624	92,713	43,075	2,387,412	227	4,064	10	57	6,000	1,580,818	200,172
<sup>1</sup> Coal prepared at Audenried No. 4 Colliery, 16th district.												
<b>COLUMBIA COUNTY</b>												
Clift Coal Co.	16	29,285	3,279	457	27,061	224	122				8,000	10,375
Scotch Valley												
Hazel Brook Coal Co.	22	97,129	392	632	88,653	224	106		3		71,725	41,700
Midvalley												
Lehigh Valley Coal Co.												
Centralia	22	275,941	30,222	7,461	323,631 <sup>1</sup>	202	767		17		276,760	
Continental Washery	22	16,236	4,214		19,450	238	82					
Total		371,177	54,443	7,461	423,081		799		17		276,760	

Table 2—Number of tons of coal mined, number of days worked, number of persons employed, number killed and injured, quantity of powder, dynamite and permissible explosives used, 1927—Continued

Operators and collieries	District	Tons of coal shipped to market	Tons used at collieries for steam and heat	Tons sold to local grade and used by employees	Total production of coal in tons (Gross)	Number of days worked	Number of employees	Number of fatal accidents	Number of non-fatal accidents disability 60 days or more	Explosives		
										Pounds of black powder used	Pounds of dynamite used	Pounds of permissible explosives used
<b>COLUMBIA COUNTY—Cont'd.</b>												
Palla. & Reading Coal & Iron Co.	22	244,283	36,316	11,409	292,608	231	709	4	6	81,059	70,210	
Reppler Coal Co.	22	7,655			7,655	83	44					
Locust Run Washery	16	7,795	2,100	220	10,115	79	105			200	1,000	
Scotch Run Coal Co.												
Scotch Run												
Grand total:		741,924	97,080	20,179	859,133	207	1,858	4	28	498,644	123,335	
1 25,638 tons produced at stripping.												
<b>DAUPHIN COUNTY</b>												
Susquehanna Collieries Co.	25	403,444	48,815	7,176	459,435	246	1,226	4	14	132,970	271,175	
Williamstown	25	323,067	63,740	16,884	401,691	230	928	1	14	119,206	133,786	
Short Mountain												
Short Mountain Washery	25	725,511	112,665	23,060	861,126	337	2,154	5	23	252,175	404,961	
		108,438	5,927		114,365		23	1				
Grand total		832,937	118,482	23,060	975,479	240	2,177	6	28	252,175	404,961	
<b>LACKAWANNA COUNTY</b>												
Archbald Coal Co.	2	118,868	1,575	1,014	121,747 <sup>a</sup>	249	238 <sup>a</sup>			2,950	73,467	
Tappans <sup>a</sup>	5	5,322			5,322 <sup>a</sup>	68	28			1,500		
Barron Coal Co.												
Dunmore Anthracite Coal Co.	6	7,418	450	194	8,062	114	78			2,500		
Dunmore											200	

Fireside Coal Co.	1	275	50				17	43				300
Fireside												
M. A. Franklin Coal Co.	3	5,318	50	50	1,025	5,418	99	19				
Franklin Washery												
John Gibbons Coal Co.	5	42,500	700	1,500	44,700		304	52		800	1,500	
Gibbons												
Glen Alden Coal Co.	5	363,103	15,364		383,467		248	1,023	8	133,750	149,500	
Archbald												
Baker	5	476,562	33,745		509,517		247	1,144	3	212,425	281,725	
Diamond	2	487,640	41,479		529,319		247	1,427	6	182,250	786,000	1,200
Hampton Plants	5							70				
Hyde Park	5	353,640	107	49,285	403,032		251	1,209	9	176,750	191,300	
Pyne	4	400,891	22,745	2,632	426,318		247	1,005	5	339,000	65,000	
Taylor	4	433,722	12,742	21,865	493,329		248	1,171	5	227,500	167,875	
Storrs	6	940,029	56,102	22,389	1,038,630		249	2,413	9	1,161,875	560,265	
<b>Total</b>		<b>3,404,627</b>	<b>192,344</b>	<b>96,721</b>	<b>3,783,692</b>			<b>9,467</b>	<b>40</b>	<b>2,374,650</b>	<b>2,181,985</b>	<b>1,200</b>
Glendale Anthracite Collieries	1	156,501	291	1,379	158,171		275	445	1	4,300	20,548	150,480
Glendale												
Green Ridge Coal Co.	4	48,087	23	9,417	58,132		305	112	1	9,875	2,700	52,200
Green Ridge												
Hillside Coal & Iron Co.	1	127,318	15,989	5,944	158,645		229	218	4	63,262	87,732	106,462
Forest City												
Hudson Coal Co.	1	165,246	9,512	2,778	177,536		295	403	2	178,578	22,758	44,484
Ollinton												
Coal Brook	2	665,167	37,273	6,465	708,905		225	1,009	4	272,759	84,949	132,512
Eddy Creek	3	819,776	48,058		867,834		230	1,008	9	893,100	17,875	200,331
Gravity Slope	5	457,063	11,558	7,846	476,490		179	1,233	4	117,550	20,530	57,295
Greenwood	2	77,832	8,027	3,185	89,094		93	521	2	27,975	7,805	49,478
Jermyn	2	496,125	11,152		509,277		274	906	6	215,475	14,382	195,780
Marvne	3	709,025	50,125	20,059	789,209		224	1,939	3	729,016	44,562	224,468
Olyphant	6	767,900	90,913	25,208	889,321		215	1,949	2	378,700	9,025	312,814
Powderly	2	394,712	22,685	10,960	428,358		180	1,243	1	101,700	9,885	89,040
<b>Total</b>		<b>4,554,620</b>	<b>265,303</b>	<b>85,601</b>	<b>4,935,524</b>			<b>11,366</b>	<b>81</b>	<b>2,914,853</b>	<b>235,771</b>	<b>1,336,212</b>
Coal Brook Washery	2	823	42,120		42,443							
Gravity Slope Washery	2	100,210	6,916		107,126							
<b>Total</b>		<b>4,655,153</b>	<b>344,339</b>	<b>85,601</b>	<b>5,085,093</b>			<b>11,366</b>	<b>81</b>	<b>2,914,853</b>	<b>235,771</b>	<b>1,336,212</b>
Humbert Coal Co.	1	71,931	300	681	73,962		225	210	2	12,900	8,000	77,500
Sunnyside												
Jermyn & Co.	4	16,329	1,800	1,532	20,261		16	694		15,625	12,000	14,000
Jermyn												
Lackawanna Coal Co., Ltd.	6	193,045	25,440	13,956	237,443		208	499	5	30,775	192,500	
Lackawanna												

Table 2—Number of tons of coal mined, number of days worked, number of persons employed, number killed and injured, quantity of powder, dynamite and permissible explosives used, 1927—Continued

Operators and collieries	District	Tons of coal shipped to market	Tons used at collieries for steam and heat	Tons sold to local trade and used by employees	Total production of coal in tons (Gross)	Number of days worked	Number of employees	Number of fatal accidents	Number of non-fatal accidents disability 60 days or more	Explosives		
										Pounds of black powder used	Pounds of dynamite used	Pounds of permissible explosives used
<b>LACKAWANNA COUNTY—Cont'd.</b>												
Lackawanna Valley Fuel Co.	2	5,017 <sup>a</sup>			5,017 <sup>a</sup>	287	27			500	175	100
Gray Stripping	1	4,483			4,483	301	34			1,250	200	1,250
Old Buffalo Mine												
Glenwood Washery	2	9,489		2,708	9,489	90	61			1,750	375	1,850
Throop Washery	6	2,850	300		5,658	187	8					
		18,118			18,418		19					
<b>Total</b>		<b>30,567</b>	<b>300</b>	<b>2,708</b>	<b>38,675</b>		<b>88</b>			<b>1,750</b>	<b>375</b>	<b>1,350</b>
Lehigh Valley Coal Co.	7	45,068			49,090 <sup>14</sup>	207	101		1	10,725	34,225	12,950
Broadwell												
Lincoln Coal Co.	2	23,006	50	2,947	26,003	288	66	2	1	82,725		22,500
Oak Run												
Meadowside Coal Co.	6	14,481	500	11,229	26,260	228	125		1	11,974	525	11,325
Meadowside												
Mid-City Coal Co.	3	55,202	1,000	24,067	80,269	225	189	1		5,575	6,600	71,000
Bulls Head												
Moffat Coal Co.	5	53,208	420		53,628	208	136	1	3	12,500	7,126	27,475
Moffat												
Murrin Coal Co.	1	40,830	361	4,089	45,280	250	96	2	1		3,225	3,000
Fallbrook												
Pennsylvania Coal Co.	2	183,878	7,657		191,435 <sup>8</sup>	263	502		3	16,300	10,975	130,605
Erie												
No. 5	4	210,036	12,786	18,288	241,100	249	582	3	3	223,100	42,900	33,435
No. 1	6	920,167	34,071	400	854,578	253	1,518	3	19	919,575	22,760	97,023
Old Forge	4	303,302	52,084	5,957	421,363	210	1,128	3	1	96,875	12,793	120,588
Underwood	6	605,683	30,041	10,680	706,424	263	1,387	1	12	457,000	180,835	190,195
<b>Total</b>		<b>2,243,666</b>	<b>187,119</b>	<b>35,833</b>	<b>2,415,620</b>		<b>5,117</b>	<b>9</b>	<b>38</b>	<b>1,712,850</b>	<b>280,829</b>	<b>572,189</b>



Table 2—Number of tons of coal mined, number of days worked, number of persons employed, number killed and injured, quantity of powder, dynamite and permissible explosives used, 1927—Continued

Operators and collieries	District	Tons of coal shipped to market	Tons used at collieries for steam and heat	Tons sold to local trade and used by employees	Total production of coal in tons (Gross)	Number of days worked	Number of employes	Number of fatal accidents	Number of non-fatal accidents disability 60 days or more	Explosives		
										Pounds of black powder used	Pounds of dynamite used	Pounds of permissible explosives used
<b>LACAWANNA COUNTY—Cont'd</b>												
West Jermyn Coal Co.	2	5,683		133	5,816 <sup>3</sup>	261	23	1	1	1,000	400	30,000
West Mountain Mine		14,163,318	982,459	494,755	15,630,503	223	35,309	127	414	8,024,435	4,015,550	9,880,077
Grand total												
<sup>1</sup> Coal prepared at Gibbons breaker, 5th District. <sup>2</sup> Coal prepared at Throop Washery, 6th District. <sup>3</sup> Coal prepared at Avoca breaker, 7th District. <sup>4</sup> Including 24,213 tons produced and 22 employes at stripping operation. <sup>5</sup> Coal reared at Underwood breaker, 6th District. <sup>6</sup> Coal reared at Avoca breaker, 7th District. <sup>7</sup> Coal prepared at Ontario breaker, 6th District. <sup>8</sup> Coal prepared at Kingston No. 4 breaker, 9th District.												
<b>LUZERNE COUNTY</b>												
Alden Coal Co.	14	261,550	7,317	7,329	276,196	273	770	2	20	9,650	12,649	192,244
Alden Washery	14	46,331	1,570	229	48,130	149	12					
Total		307,881	8,887	7,558	324,326		782	2	20	9,650	12,649	192,244
Barry Coal Co.	12	10,141			10,141 <sup>10</sup>	206	83	1				1,000
Stripping												
Buck Mountain Coal Mining Co.	15	112,267	1,101	2,154	115,422	278	222	4	8		112,100	8,285
Gowen												
Central Coal Co.	10	51,773	759	235	52,811	135	70		2	17,350		4,300
Wyoming												
Clifford Coal Co.	7	21,004	400	92	21,500 <sup>9</sup>	250	157 <sup>9</sup>		1		6,000	
Clifford												



<b>John Conlon Coal Co.</b>												
10	26,681	150	12,562	49,703	220	164	1	5	8,750	4,250	12,500	
10	83,850	752	7,288	91,846	201	334	1	5	65,707	7,565	54,370	
	<b>Total</b>	<b>902</b>	<b>21,850</b>	<b>141,639</b>		<b>408</b>	<b>1</b>	<b>5</b>	<b>62,457</b>	<b>11,816</b>	<b>66,670</b>	
<b>Coze Brothers &amp; Co., Inc.</b>												
16	275,644	2,780	6,619	285,253	100	782	2	2		370,000		
15	215,082	68,426	12,351	296,759	212	700	1	8		189,363		
15	227,047	14,351	5,371	247,369	209	408	3	3		65,055		
	<b>Total</b>	<b>85,566</b>	<b>24,341</b>	<b>829,380</b>		<b>1,890</b>	<b>3</b>	<b>13</b>		<b>624,958</b>		
<b>B. M. Cranston</b>												
6	11,686	159		11,686	249	25					12,000	
16	181,961	4,415	2,177	188,553	284	492	3	13		3,650	70,775	
14	16,006			16,006	235	49				550	8,575	
10	169,291	45,625	21,503	236,399	297	497	6	7	49,450	12,000	66,000	
14	317,358	9,538		326,896	207	577	4	9		1,000	210,000	
18	254,667	15,648	5,911	276,124	254	595	1	10		8,500	102,000	
14	604,920	40,555	8,044	673,520	252	1,148	6	12	17,500	62,000	349,000	
7	108,791	11,080	6,875	126,746	242	492	1	7	17,500	6,525	86,700	
13	565,975	32,856	11,172	1,057,403	297	1,777	6	29		61,000	656,000	
13	462,401	37,842	14,960	535,203	253	1,198	6	21	38,750	47,000	438,000	
13	1,350,597	55,569	9,048	1,415,143	226	2,672	7	27		114,000	1,060,000	
12	760,243	32,000	15,528	807,751	173	1,630	8	21	60,250	3,990	445,725	
	<b>Total</b>	<b>235,130</b>	<b>71,513</b>	<b>5,229,820</b>		<b>10,159</b>	<b>39</b>	<b>136</b>	<b>194,000</b>	<b>294,015</b>	<b>3,349,425</b>	
<b>Grand Tunnel Coal Co.</b>												
13	141,826	951	1,479	144,298	265	317	3	4		7,825	29,150	
10	211,309	10,960	10,192	232,461	306	494	2	3	3,800	11,000	127,000	
9	19,991	1,825	9,003	30,819	285	47		3		1,000	19,000	
16	25,233	1,632	14,674	41,539	206	251				6,625	23,925	
15	131,069	14,943	536	146,548	249	130		2		74,000		
15	158,633	14,850	4,814	178,297	278	251		1		25,130		
	<b>Total</b>	<b>29,823</b>	<b>5,350</b>	<b>324,877</b>		<b>411</b>		<b>3</b>		<b>112,130</b>		

Table 2—Number of tons of coal mined, number of days worked, number of persons employed, number killed and injured, quantity of powder, dynamite and permissible explosives used, 1927—Continued

Operators and collieries	District	Tons of coal shipped to market	Tons used at collieries for steam and heat	Tons sold to local trade and used by employees	Total production of coal in tons (Gross)	Number of days worked	Number of employees	Number of fatal accidents	Number of non-fatal accidents disability 60 days or more	Explosives		
										Pounds of black powder used	Pounds of dynamite used	Pounds of permissible explosives used
<b>LUZERNE COUNTY—Cont'd.</b>												
Hillside Coal & Iron Co.	7	491,380	29,444	8,254	528,968	233	1,315	1	7	367,925	168,402	45,895
Butler												
Hudson Con'l Co.	11	313,613	41,454	9,455	364,523	139	1,438	2	23	140,000	12,206	152,949
Baltimore No. 5	11		11,637		11,637							
Baltimore No. 2 Bank	7	32,288	10,684	838	43,788	48	250	0	1	39,350	5,043	
Lahin	12	741,929	92,836	15,453	850,218	199	2,632	0	10	606,976	79,898	74,654
Loree No. 5—Boston	12	197	15		212	4	4					
Loree Bank	12	501,985	53,905	10,073	565,963	161	2,020	0	23	449,476	109,372	206,149
Pine Ridge	10											
Total		1,589,112	210,511	35,818	1,835,441		6,869	14	75	1,194,901	206,507	433,762
<b>Jeddo-Highland Coal Co.</b>												
Highland No. 2	15	15,368	15,368		15,368	289	225	1	4		57,185	
Highland No. 5	15	343,450	27,748	16,033	387,231	945	716	1	8		259,675	30,125
Jeddo No. 4	15	401,473	38,455	13,454	453,382	205	1,180	4	16		430,243	22,275
Jeddo No. 7	15	179,119	11,922	28,928	219,270	247	820		3		57,500	
Total		924,072	93,452	57,695	1,075,229		2,391	0	31		834,003	52,400
<b>John Ames Coal Co.</b>												
Franklin Washery	11	37,000	140	1,535	38,665	262	30					
Kingston Coal Co.												
Gaylord	12	143,264	9,300	11,328	164,963	271	259		2	8,375	10,750	4,982
Kingston No. 3	12	301,527	15,000	37,735	354,262	270	824	0	9	120,425	6,340	19,125
Kingston No. 4	9	242,888	31,000	791	274,779	272	732		4	70,075	13,662	42,049
Total		688,079	65,800	50,475	794,354		1,876	6	15	199,376	20,762	66,156

Company	13	411	76,307	109,279	260	297	1	4	10,825	84,875
George F. Lee Coal Co.										
Chauney										
Lehigh & Wilkes-Barre Coal Co.										
Buttonwood No. 22	13	33,909	8,563	453,427	255	1,058	5	15	4,800	285,400
Hollenback No. 2	11	26,715	76,337	369,479	256	843	3	8	16,475	240,000
Lance No. 11	12	514,558	58,260	608,487	258	1,176	7	10	287,175	215,600
Lance Culm Bank	12	6,202		6,202						
Maxwell No. 20	13	615,670	19,314	675,323	252	1,590	8	19	17,805	474,225
Nottingham No. 15	12	374,964	19,278	430,648	249	908	4	9	59,025	117,271
S. Wilkes-Barre No. 5	11	345,165	114,270	405,141	253	1,066	2	13	22,430	319,250
Stanton No. 7	11	747,074	57,357	851,407	257	1,836	3	15	30,325	628,400
Sugar Notch No. 9	13	358,332	4,775	391,999	245	1,064	2	9	425	28,705
Wauernale No. 18	14	781,961	7,152	771,050	255	1,432	4	15	3,350	281,825
Total		4,407,046	863,369	5,092,933		11,050	33	118	480,125	2,948,400
Lehigh Coal & Navigation Co.										
Cranberry	16	398,167	164,912	496,558	219	1,128	1	9	39,875	208,008
Cranberry Stripping	16	63,788		63,788	219	33			4,000	70,600
Total		351,955	164,912	560,346		1,221	1	9	4,000	203,093
Lehigh Valley Coal Co.										
Dorrance	11	333,123	61,973	443,689	213	970	1	6	63,025	339,825
Exeter	9	240,013	25,410	265,423	208	824	4	6	5,725	233,600
Franklin	11	211,410	7,763	252,778	207	622	4	6	2,360	17,175
Hazleton No. 1	15	178,562	45,420	233,897	185	598	1	16	115,400	104,465
Hazleton Shatt-Stockton	15	302,370	4,656	357,072	206	807	1	9	182,946	
Heidelberg No. 1	7	70,903	1,768	80,941	151	235	1	4	1,400	50,475
Maltby	9	177,455	10,607	232,931	201	594	1	6	10,350	164,825
Mineral Spring	10	143,763	7,710	177,989	204	535	3	7	875	137,050
Prospect	9	202,466	2,000	260,428	192	789	1	14	79,125	136,650
Prospect (Henry)	10	231,127	13,301	297,215	185	764	4	14	108,325	230,325
Seneca	7	236,470	16,606	286,614	206	609	2	3	22,350	144,775
William A.	7				{ 190	325		4	1,550	38,925
Spring Mountain	16	165,515	4,309	218,710	{ 211	488		1		59,700
Warrior Run	13	71,826	3,337	84,589 <sup>13</sup>	211	175		1		70,250
Westmoreland	9	128,572	4,654	148,368	202	370		5	1,250	139,250
Total		2,638,580	207,295	3,463,698		8,609	23	102	285,725	2,120,171
Lehigh & Wyoming Valley Coal Co.										
Florence	7	60,434	9,235	68,830	258	147	1		6,875	18,000
Lynott & Brown	8		3,005	3,915	225	19			3,900	200
Stripping										
Miners Mills Coal Mining Co.										
Miners Mills	10	69,387		69,387 <sup>3</sup>	290	129		1	75	3,420
Total										24,275

Table 2—Number of tons of coal mined, number of days worked, number of persons employed, number killed and injured, quantity of powder, dynamite and permissible explosives used, 1927—Continued

Operators and collieries	District	Tons of coal shipped to market	Tons used at collieries for steam and heat	Tons sold to local trade and used by employes	Total production of coal in tons (gross)	Number of days worked	Number of employes	Number of fatal accidents	Number of non-fatal accidents disability 60 days or more	Explosives		
										Pounds of black powder used	Pounds of dynamite used	Pounds of permissible explosives used
<b>LUCERNE COUNTY—Cont'd.</b>												
Mount Lookout Coal Co.	9	165,461	19,686	13,509	198,616	285	476	2	3	15,776	192,026	-----
Mount Lookout Washery	14	43,586	-----	-----	43,586	245	50	-----	-----	-----	-----	-----
Nanticoke Valley Coal Co.	15	280,011	65,566	11,931	458,508	288	1,019	-----	7	-----	372,076	108,075
Pardee Brothers & Co., Inc.	7	255,968	11,493	7,689	275,160 <sup>11</sup>	228	628	1	2	144,076	30,945	50,088
Lattimer Coal Co.	8	600,076	55,848	127	646,152	239	1,764	3	20	905,760	60,200	217,201
Central	6	602,269	46,078	14,773	563,230	229	1,739	0	16	423,060	86,813	162,490
Ewen	5	554,159	48,196	15,967	618,302	236	1,706	-----	13	106,025	75,173	259,325
No. 6	6	566,422	50,077	8,621	615,120	234	1,653	0	13	414,575	50,968	199,846
No. 14	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
<b>Total</b>	-----	2,469,004	211,753	47,187	2,717,954	-----	7,542	16	62	1,540,376	306,133	838,508
Perry Coal Co.	13	5,500	-----	-----	5,500	90	4	-----	-----	-----	-----	-----
Black Creek Washery	13	79,336	15,000	974	95,369	289	194	-----	-----	-----	40,000	9,000
Pittston Coal Mining Co.	7	14,591	1,530	175	16,296	102	178	2	1	-----	-----	11,900
Hadleigh	10	42,152	500	30,563	73,246	223	226	-----	4	500	12,000	14,000
T. F. Quinn Coal Co.	15	108,229	1,012	1,192	110,434	262	240	-----	-----	-----	40,135	-----
Consolidated	7	65,610	1,160	-----	66,770 <sup>12</sup>	277	96	4	5	-----	1,365	409,349
Raub Coal Co.	7	-----	-----	-----	-----	54	15	-----	-----	-----	-----	4,648
Louis	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Sandy Run Coal Co.	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Sandy Run	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Seranton Anthracite Coal Co.	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Barnum	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Pickaway	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
<b>Total</b>	-----	66,610	1,160	-----	66,770	-----	111	4	6	-----	1,365	413,996

Stackhouse Coal Co.	14	48,277	365	1,068	49,700	229	152	1	2,425	8,320	19,465
Salem											
Suffolk Anthracite Collieries Co.	7	242,800	6,570	5,532	254,902	298	298	1	3	15,350	65,675
Aroca											
Sullivan & Flynn	11	6,939	100	1,621	8,560	295	26			2,500	500
Sullivan & Flynn											
Suscon Coal Co.	9	21,905			21,905	214	64		7,500	2,300	
Suscon											
Susquehanna Collieries Co.	14	589,025	60,443	6,530	649,507	242	1,437	3	500	113,607	130,075
No. 6											
No. 7	14	739,724	62,007	27,909	831,200	255	2,281	11	130,276	168,857	564,225
Washery	14	1,207,749	103,060	34,208	1,475,007		3,638	14	129,775	282,424	604,300
		59,958	64,183		149,141	266	50				
Total		1,321,707	107,253	84,206	1,623,149		3,748	14	129,776	283,424	604,300
Temple Coal Co.	9	309,774	44,445	13,603	361,012	274	945	3	32,400	288,850	
Harry E.											
Traders Coal Co.	10	61,997		456	62,453*	188	319		4,250	4,500	59,775
Ridgewood											
Troy Coal Co.	9	12,354	200	2,646	15,222	283	45				7,600
Troy											
West End Coal Co.	14	406,975	4,300	18,967	425,235	249	977	1	100	63,075	104,300
West End											
Wolf Collieries Co.	15	74,429			14,429†	151	56			7,775	
Pond Creek											
Woodside	15	25,990			25,990‡	209	65			20,075	
Woodside											
Wolf No. 5	15	7,671			7,671*	209	14			4,000	
Wolf No. 5											
Total		48,000			48,000		136			81,850	
Yatesville Coal Co.	9	52,022			52,022	200	103	1	15,000	18,000	
Yatesville											
Grand total		24,683,721	2,314,459	1,868,678	28,296,853	234	68,815	194	728	4,542,028	6,083,317

† Coal prepared at Loomis Colliery, 13th District.

\* Coal prepared at East Boston Colliery, 16th District.

‡ Includes 31,520 tons from stripping operation.

§ Included with Loree Colliery.

|| Coal prepared at Highland No. 5 Colliery, 15th District.

¶ Coal prepared at Drifton Colliery, 15th District.

\*\* Coal prepared at Upper Lehigh Colliery, 15th District.

\* Coal prepared at Clifford Colliery, 7th District.

† Includes 5,453 tons and 15 employees from stripping operation.

‡ Includes 129,354 tons from William A. breaker abandoned September 1, 1927.

§ 84,206 tons prepared at Old Forge breaker, 4th District.

|| Includes 1,160 tons from Fickaway.

\*\* Coal prepared at Mineral Spring Colliery, 10th District.

Table 2—Number of tons of coal mined, number of days worked, number of persons employed, number killed and injured, quantity of powder, dynamite and permissible explosives used, 1927—Continued

Operators and collieries	District	Tons of coal shipped to market	Tons used at collieries for steam and heat	Tons sold to local trade and used by employees	Total production of coal in tons (gross)	Number of days worked	Number of employes	Number of fatal accidents	Number of non-fatal accidents disability 60 days or more	Explosives		
										Pounds of black powder used	Pounds of dynamite used	Pounds of permissible explosives used
<b>NORTHUMBERLAND COUNTY</b>												
Colonial Colliery Co.	22	729,564	2,839	4,036	727,897	296	1,176	4	11	106,825	365,025	
Excelsior Coal Co.	24	213,600	6,000	900	210,500	281	300	1	5	1,500	31,400	
Hickory Run Coal Co.	23	19,305	10,480		29,785	254	48					
Lehigh Valley Coal Co.	22	220,747	71,187	11,161	803,005	208	872	3	10	172,077		
Sayre Northumberland Mining Co.	24	332,841	10,760	3,974	347,575	202	650	4	18	33,144	130,836	
Enterprise No. 1 Washery	24	12,839			12,839	74	2					
Total		345,170	10,700	3,974	350,904		632	4	18	83,144	330,936	
Phila. & Reading Coal & Iron Co.	23	345,050	90,235		274,865	299	574	2	14	153,030	24,125	
Alaska	24	271,422	37,872	9,777	319,072	191	850	1	14	256,061	5,100	
Bear Valley	24					182	302		11	137,964		
Big Mountain	24					218	700		12	171,246	38,425	
Burnside	24	259,156	54,597	21,926	335,680	218	700		12	600		
Henry Clay	24	128,354	36,390	47,031	209,685	188	453	1	8	9,713	41,137	
Locust Spring	23	421,039	120,256	3,835	545,130	235	1,309	1	24	425	39,725	
North Franklin	24	222,257	30,498	8,317	261,102	155	763	1	11	164,645		
Reliance	23	150,601	28,815	27,853	213,271	228	681	1	5	122,002	67,760	
Stirling	24					276	297	1	6			
Total		1,705,530	237,663	118,791	2,156,884		5,928	8	105	1,025	1,805,772	236,212

24	Shamokin Coal Co.	189,171	946	12,911	203,028	296	313	2	5	48,560	104,000
	Nelson										
23	Shamokin Colliery Co.	216,772	13,000		229,772	296	75	1			
	Washery										
24	Shipman Coal Co.	67,078	4,083	1,025	72,136	112	465	3	5	22,200	47,150
	Glenbrook										
	South Penn Collieries Co.										
24	Katherine	79,796	11,512	755	92,353	254	104			2,229	25,304
	Susquehanna Collieries Co.										
24	Oamiron	255,533	19,065	17,619	292,217	210	787	1	6	83,275	104,400
	Lake Pider	219,110	24,220	4,803	247,929	189	830	1	5	59,117	141,070
23	Pennsylvania	251,632	9,499	7,369	278,500	185	992	4	18	47,945	107,900
	Richards	945,479	11,038	18	356,535	199	1,032	2	15	76,820	294,000
	Scott	352,765	58,785	9,614	421,104	259	986	6	15	80,900	300,600
	Total	1,434,459	122,613	89,213	1,596,285		4,677	14	59	348,697	1,067,279
	Grand total	5,209,212	591,023	103,416	6,053,651	270	14,640	40	213	2,221,084	2,247,897

<sup>1</sup> Includes 19,603 tons from stripping.  
<sup>2</sup> Includes 22,475 tons from stripping.  
<sup>3</sup> Includes 24,000 tons from stripping.

**SCHUYLLER COUNTY**

19	Black Heath Coal Co.	11,746	620	331	12,397	280	27			6,000	
	Black Heath										
19	Buck Run Coal Co.	256,960	3,850	4,325	*265,075	297	563	3	15	56,596	92,793
	Butcher Creek Coal Co.										
19	Laurel Run	4,659	88	300	5,077	88	27				259
	Chestnut Hill Coal Co.										
18	Coxe Brothers & Co., Inc.	6,075		37	6,113	105	19			820	2,100
	Onelda										
16	East Bear Ridge Colliery Co.	190,193	19,898	3,034	213,560	210	518		4	138,445	
	East Bear Ridge										
22	Frackville Coal Co.	224,702	7,300	6,054	235,256	264	444	2	3	119,000	
	Lucasna										
18	Gorman & Campton	62,233	676	3,031	65,690	238	29	1	1	10,259	26,000
	Bell										
16	Haddock Mining Co.	55,791	125	4,702	60,518	290	194	6	2	10,560	29,600
	Candlemas										
16	Candlemas Stripping	464,043	4,070	3,965	472,084	281	873	2	17	333,225	7,350
	Total	516,708	4,076	3,865	534,744	281	915	2	17	33,250	422,175

\* Includes 1,778 tons from stripping.  
<sup>1</sup> Coal prepared at Burnside, explosives included with Burnside.  
<sup>2</sup> Coal prepared at Henry Clay breaker.

Table 2—Number of tons of coal mined, number of days worked, number of persons employed, number killed and injured, quantity of powder, dynamite and permissible explosives used, 1927—Continued

Operators and collieries	District	Tons of coal shipped to market	Tons used at collieries for steam and heat	Tons sold to local trade and used by employees	Total production of coal in tons (Gross)	Number of days worked	Number of employees	Number of fatal accidents	Number of non-fatal accidents disability 60 days or more	Explosives		
										Pounds of black powder used	Pounds of dynamite used	Pounds of permissible explosives used
<b>SCHUYLKILL COUNTY—Cont'd.</b>												
Harleigh-Brookwood Coal Co.	21	8,803	528	33	9,364	60	27	.....	.....	.....	.....	.....
Black Creek Washery No. 1	21	198,841	1,552	1,822	202,315	267	202	2	6	20,385	.....	44,495
Kehley Run	22	275,761	2,020	.....	277,781	271	738	.....	14	209,200	.....	4,375
Lawrence	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	.....	553,405	4,100	1,955	559,460	.....	1,167	2	19	226,585	.....	49,070
<b>Hazle Brook Coal Co.</b>												
Girard	23	171,190	19,598	.....	190,788	250	203	.....	7	101,794	.....	1,795
Maryd	18	202,743	46,040	6,348	255,186	262	349	1	2	64,125	.....	43,875
Raven Run	21	221,182	5,252	903	227,437	253	316	5	2	65,360	.....	52,874
Westwood	25	117,891	1,940	334	120,165	227	238	.....	4	15,928	.....	46,800
Total	.....	712,011	72,880	7,585	795,576	.....	1,106	6	15	16,905	.....	145,946
<b>Laurel Coal Mining Co.</b>												
Bickle	22	2,920	50	.....	2,970	13	74	.....	.....	1,000	.....	.....
Lehigh & Wilkes-Barre Coal Co.	16	153,544	44,547	8,356	206,447	248	808	1	8	176,406	.....	.....
Anderson No. 4	16	170,524	22,106	.....	192,630	245	229	1	5	94,263	.....	.....
Honey Brook	16	88,168	.....	.....	88,168	248	129	.....	.....	8,375	.....	.....
stripping	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	.....	407,296	66,653	8,356	482,345	.....	1,290	2	13	3,375	.....	270,564
<b>Lehigh Coal &amp; Navigation Co.</b>												
Alliance	18	350,982	8,112	2,325	361,440	527	743	3	9	78,475	.....	85,525
Coaldale	17	342,713	24,296	16,940	383,949	250	898	3	15	207,269	.....	42,005
Greenwood	17	419,389	7,462	.....	425,851	229	785	1	13	206,475	.....	52,500
Rahn	17	440,879	9,133	.....	450,017	232	770	1	17	289,963	.....	25,950



Tamaqua No. 14		364,606	28,876	19,275	393,482	225	923	5	13	294,765	36,210
Total		1,918,593	77,914	19,275	2,015,772		4,000	13	66	1,196,877	252,890
Lehigh Valley Coal Co.											
18	Buck Mountain	242,177	65,377	2,990	510,544	210	784	4	16	41,249	177,350
21	Packer No. 2	154,303			154,303 <sup>11</sup>	208	340	1	7	90,032	
21	Packer No. 3	98,182			98,182 <sup>11</sup>	208	184	1	2	27,423	
21	Packer No. 4	122,319	57,074	5,393	184,786 <sup>11</sup>	208	494	7	7	58,524	
21	Packer No. 5	265,278	48,717	3,693	255,683 <sup>11</sup>	204	610	3	10	172,899	
20	Park	329,293	64,630	6,359	400,082	211	631	1	15	97,055	94,775
20	Springdale Washery	170,154	4,196		174,349	260	52	1		25	
Total		1,321,523	237,993	18,335	1,577,841		3,225	9	61	494,103	272,125
Locust Mountain Coal Co.											
21	Weston	454,611	7,135	6,583	468,329 <sup>11</sup>	294	464	1	10	8,975	
19	Lyle Coal Co.	230,021	63,192	5,809	304,022	210	725	1	17	54,218	110,163
18	Mill Creek Coal Co.	200,230	3,171	3,053	206,514 <sup>11</sup>	202	800	2	9	61,200	105,000
Pha. & Reading Coal & Iron Co.											
22	Manroft	189,660	18,601		201,161 <sup>14</sup>	221	205		0	0,060	7,620
22	East	215,098	41,624	17,323	274,045 <sup>11</sup>	206	607		10	129,775	10,450
20	Boston Run	43,217	21,320		64,537 <sup>10</sup>	179	250		4	47,535	600
25	Brookside	220,691	54,770	7,834	283,695	944	808	8	15	68,165	
18	Flag Hill	219,828	37,162	8,511	264,502	184	846	1	8	83,300	80,675
20	Langowan	180,065	26,626		207,001	193	594	1	13	81,710	2,650
22	Hilberton	174,979	45,557	14,068	234,604 <sup>10</sup>	193	943	2	10	169,839	2,500
19	Glendower	87,030	16,723		103,753	179	294	5	6	85,943	4,625
25	Good Spring	107,068	97,829	8,266	213,875	188	606	1	7	95,440	12,150
21	Hammond	177,954	45,590	5,776	229,320	190	643	6	13	52,213	66,701
21	Indian Ridge	135,778	16,463		152,241 <sup>12</sup>	192	418	1	12	102,759	625
20	Knickerbocker	87,373	16,750		104,123 <sup>12</sup>	163	268	1	4	90,570	1,887
21	Kobinor	295,849	67,154	11,551	374,555	187	180		7	18,239	6,600
25	Lincoln Washery	191,080			191,080	262	86	1	12	179,900	11,175
20	Maple Hill	190,527	29,666	28,077	238,270	196	696	2	10	133,299	3,850
25	Middle Creek	139,931	11,613	6,162	157,706	179	663	4	22	65,281	47,450
20	North Mahanoy	173,274	45,093	7,668	227,035	182	671	2	16	144,640	5,300
19	Otto	157,610	39,119	4,643	191,372	185	647	2	11	106,897	49,503
19	Phoenix Park	25,938	32,757	811	59,504	59	133	3	6	2,253	19,570
18	Pine Forest Washery	266,638			278,524	266	98	1	10	6,125	175,571
19	Pine Knot	154,110	54,819	13,062	221,991 <sup>10</sup>	179	657	1	4	80,059	35,948
18	Reevendale	202,128	13,338	16,844	232,330	341	294	4	2	111,809	2,685
20	Saint Nicholas	89,520	41,870	2,611	127,001	194	481	2	2		

Table 2—Number of tons of coal mined, number of days worked, number of persons employed, number killed and injured, quantity of powder, dynamite and permissible explosives used, 1927—Concluded

Operators and collieries	District	Tons of coal shipped to market	Tons used at collieries for steam and heat	Tons sold to local trade and used by employees	Total production of coal in tons (Gross)	Number of days worked	Number of employes	Number of fatal accidents	Number of non-fatal accidents disability 80 days or more	Explosives			
										Rounds of black powder used	Pounds of dynamite used	Pounds of permissible explosives used	
<b>SCHUYLKILL COUNTY—Cont'd.</b>													
Phila. & Reading Coal & Iron Co.—Cont'd.													
Schuylkill Washery	18	2,428	229	42,664	2,757	16	10	0	30	85,389	1,875		
Shenandoah City	21	91,555	42,026	42,664	176,535	192	652	0	12	166,680			
Silver Creek	18	225,721	35,443	3,922	265,155	169	715	1	12				
Suffolk	20	125,452	6,830		132,282*	194	418		13				
Thomaston	19		12,921		12,921*	179	390		6				
Tower City	20	164,603	724		165,327	244	302	4	11	130,663			
Tunnel Ridge	25	133,077	37,076		176,053	179	638	0	11	145,315		2,835	
Turkey Run	21				11	187	2	2	9	44,353		410	
Valley View	25	110,198			110,198	188	300		2	124,800			
Wadesville	18	208,981	35,663	47,372	291,896	184	603	2	21	59,642		100,016	
West Shenandoah	21	258,059	20,040	2,070	300,169**	187	531	2	10	50,184		21,512	
<b>Total</b>		<b>5,298,118</b>	<b>1,033,394</b>	<b>249,227</b>	<b>6,580,659</b>		<b>18,036</b>	<b>43</b>	<b>324</b>	<b>2,949,654</b>		<b>597,226</b>	
Pine Hill Coal Co.													
Oak Hill	19	307,426	9,179	7,314	323,919*	278	510	5	18	8,005		110,998	94,515
Pine Hill	19	319,850	56,492	1,075	377,907	220	923	0	26			169,342	187,300
<b>Total</b>		<b>627,276</b>	<b>65,671</b>	<b>8,389</b>	<b>681,576</b>		<b>1,733</b>	<b>5</b>	<b>44</b>	<b>8,005</b>		<b>280,340</b>	<b>281,815</b>
Reppler Coal Co.													
New Oastle	19	250,451	2,972	2,002	255,455	229	469		10			89,500	129,725
Saint Clair Coal Co.	18	216,454	16,000	20,700	353,154*	301	549	1	2	50		168,000	
Sherman Coal Corp.	19	119,514		31,172	141,686	234	169		4			20,625	23,819
South Penn Collieries Co.	18	139,218	2,434		141,642	299	224	5	8			79,100	18,975

Susquehanna Collieries Co.	21	228,100	35,696	1,014	205,710 <sup>22</sup>	205	587	8	10	155,271
William Penn		14,220,729	1,710,818	411,924	16,548,481	222	37,659	100	603	7,392,987
<b>Grand total</b>										<b>2,142,806</b>

1 Coal prepared at Spring Mountain Colliery, 16th District.

2 Includes 72,600 tons from stripping.

3 Includes 94,939 tons from stripping.

4 Coal prepared at Fine Knot breaker; 21,423 tons from stripping.

5 Includes 1,885 tons from stripping.

6 Includes 27,096 tons from stripping.

7 Includes 16,294 tons from stripping.

8 Coal prepared at Elkangowan Colliery.

9 Coal prepared at Saint Nicholas Colliery; dynamite included with Saint Nicholas.

10 Coal prepared at Tunnel Ridge Colliery.

11 Coal prepared at Packer No. 4 breaker.

22 Coal prepared at Shenandoah City Colliery.

23 Coal prepared at West Shenandoah Colliery.

24 Includes 51,000 tons from stripping.

25 Includes 2,829 tons from stripping.

26 Includes 2,413 tons from stripping.

27 Includes 93,683 tons from stripping.

28 Includes 7,945 tons from stripping.

29 Includes 4,027 tons from stripping.

30 Includes 230,140 tons from stripping.

31 Includes 18,563 tons from stripping.

32 Includes 6,961 tons from stripping.

<b>SULLIVAN COUNTY</b>												
Connell Anthracite Mining Co.	10	84,780	21,620	5,029	111,429	117	475		4	69,079	9,060	3,900
Connell												
Northern Anthracite Coal Co.	10	19,294	5,000	1,510	25,804	79	159			2,900		23,400
Murray												
<b>Grand total</b>		104,074	26,620	6,539	137,233	197	634		4	71,979	9,060	27,300
<b>SUSQUEHANNA COUNTY</b>												
Hillside Coal & Iron Co.	1	104,862	12,146	4,062	120,970	229	435	1	1	48,156	28,077	80,912
Forest City												
Hudson Coal Co.	1	106,938	6,156	1,788	114,892	235	177	1	4	115,017	21,009	28,650
Clinton												
<b>Grand total</b>		211,800	18,302	5,860	235,862	251	612	2	5	163,173	49,776	109,562
<b>WAYNE COUNTY</b>												
Hillside Coal & Iron Co.	1	32,256	3,556	1,283	38,075	229	217		3	15,207	9,058	25,551
Forest City												
Hudson Coal Co.	1	6,868	865	116	7,779	235	14			9,069	1,665	2,262
Clinton												
Northern Anth. Collieries Corp.	1	6,650	150		6,800 <sup>1</sup>	193	51		1	359	575	675
Northeast												
<b>Grand total</b>		45,474	4,381	1,399	54,254	223	282		4	24,637	11,297	28,488
<b>Grand total all counties</b>		62,515,333	5,836,317	2,488,880	70,863,690	227	167,648	492	9,147	19,689,259	72,653,518	19,622,988

1 Coal prepared at Throop Washery, 6th District.

Table 2—Number of tons of coal mined, number of days worked, number of persons employed, number killed and injured, quantity of powder, dynamite and permissible explosives used, 1928

Operators and collieries	District	Tons of coal shipped to market	Tons used at collieries for steam and heat	Tons sold to local trade and used by employees	Total production of coal in tons (gross)	Number of days worked	Number of employees	Number of fatal accidents	Number of non-fatal accidents disability 60 days or more	Number of non-fatal accidents disability less than 60 days	Explosives		
											Pounds of black powder used	Pounds of dynamite used	Pounds of permissible explosives used
<b>CARBON COUNTY</b>													
Coleraine Collieries Co.													
Coleraine Washery	16	14,436		244	14,680	143	63					2,650	
Coxe Brothers & Co. Inc.													
Beaver Meadow	16	169,005	17,761	5,914	192,680 <sup>1</sup>	177	609		9	49		177,750	
Evans Colliery Co.													
Evans	16	77,245	600	7,998	85,843	231	207	1	1	1		7,450	
Lehigh Coal & Navigation Co.													
Coaldale	17	308,956	24,187	13,347	346,490	232	588	1	10				
Lansford	17	308,493	23,445		326,938	134	1,491	6	16	98		390,332	
Nesquehoning	17	727,158	14,511	10,453	752,122	238	1,511	3	22	231	5,400	627,581	
Total		1,339,607	62,143	23,800	1,425,550		3,590	10	43	329	5,400	1,017,913	
Lehigh Valley Coal Co.													
Spring Brook <sup>2</sup>	16	67,000			67,000	178	221	1	1	33		31,685	
Grand total		1,667,298	80,504	37,956	1,785,753	192	4,690	12	59	412	5,400	1,287,448	
<sup>1</sup> Includes 92,023 tons from stripping.													
<sup>2</sup> Coal prepared at Spring Mountain colliery.													
<b>COLUMBIA COUNTY</b>													
Hazle Brook Coal Co.													
Midvalley	22	94,898	2,320	776	97,994 <sup>1</sup>	222	104			16		76,070	
Lehigh Valley Coal Co.													
Centralia	22	260,401	55,783	6,138	322,327 <sup>2</sup>	172	744		12	87		251,934	
Continental Washery	22	126,445	8,606		135,051	219	35			3			
Total		386,846	64,394	6,138	457,378		779		12	90		251,934	

Phila. & Reading Coal & Iron Co.												
Potts	22	342,759	38,864	11,969	398,592	284	643	1	6	87		99,253
Grand total		824,503	105,578	18,883	948,964	224	1,526	1	18	193		427,257
<sup>1</sup> Includes 23,660 tons from stripping.												
<sup>2</sup> Includes 24,628 tons from stripping.												
<b>DAUPHIN COUNTY</b>												
Susquehanna Collieries Co.												
Short Mountain	25	260,012	53,581	15,179	328,772	206	939		18	79		127,462
Williamstown	25	335,371	48,039	6,738	390,148	203	1,293	1	20	130		113,690
Short Mountain Washery	25	595,383	101,620	21,917	718,920	298	2,232	1	38	209		241,152
Grand total		679,770	106,988	21,917	808,675	206	2,265	1	38	209		241,152
<b>LACKAWANNA COUNTY</b>												
Beardslee & Lewis Coal Co.												
Stone Quarry	1		10	4,249	4,259	112	41				250	300
Childs Coal Co.												
No. 1 Mine	2	3,150			3,150 <sup>1</sup>	198	11				2,000	
D. F. M. Co.												
No. 1 Mine	2	5,893	95		5,988 <sup>2</sup>	195	20	1		1	4,000	
Dunmore Anthracite Coal Co.												
Dunmore	6	2,997	228	109	3,334	190	38		2	7	650	1,100
John Gibbons Coal Co.												
Gibbons	5	40,741	700	10,180	51,621 <sup>3</sup>	192	87		2	16		4,100
Glen Alden Coal Co.												
Archbald	5	282,300	12,912		295,212	216	1,009	1	12	154	65,625	116,250
Baker	5	509,239	31,620		540,909	248	1,172	6	14	147	346,975	215,237
Diamond	3	499,359	32,054		531,413	247	1,389	3	20	203	242,925	621,000
Hampton Plant	5						69					900
Hyde Park	5	291,708	114	61,067	352,889	249	1,232	1	13	125	130,500	195,750
Pyne	4	331,247	16,407	4,029	351,683	244	1,027	2	21	153	271,250	64,825
Storrs	6	928,633	65,443	24,989	1,019,070	249	2,439	9	31	255	1,095,425	467,025
Taylor	4	273,750	11,368	18,720	303,847	192	1,194	4	15	139	151,950	117,338
Total		3,116,291	169,918	108,814	3,395,023		9,531	20	124	1,176	2,304,650	1,797,425
Glendale Anthracite Collieries												
Glendale	1	157,222	240	1,180	158,642	264	359	4	2		4,200	27,200
Green Ridge Coal Co.												
Green Ridge	4	54,850	187	7,918	62,965	295	126		7	43	11,375	2,325

Table 2—Number of tons of coal mined, number of days worked, number of persons employed, number killed and injured, quantity of powder, dynamite and permissible explosives used, 1928—Continued

Operators and collieries	District	Tons of coal shipped to market	Tons used at collieries for steam and heat	Tons sold to local trade and used by employees	Total production of coal in tons (Gross)	Number of days worked	Number of employees	Number of fatal accidents	Number of non-fatal accidents disability 60 days or more	Number of non-fatal accidents disability less than 60 days	Explosives		
											Pounds of black powder used	Pounds of dynamite used	Pounds of permissible explosives used
<b>LACKAWANNA COUNTY—Cont'd.</b>													
Grove Hill Coal Co.													
Lackawanna	6	28,631			28,631	276	53				10,800	25,150	
Hillside Coal & Iron Co.													
Forest City	1	109,713	11,013	4,966	125,692	179	376						
Hudson Coal Co.													
Clinton	1	105,468	7,147	2,673	115,288	143	195		4	51	255,225	38,095	33,612
Coal Brook	2	672,313	51,265	5,779	729,357	243	1,538		26	639	290,975	73,190	67,835
Eddy Creek	3	792,236	47,402		839,638	238	1,671		15	222	869,325	8,400	189,985
Gravity Slope	2	398,730	8,001	8,454	415,185	134	1,123		4	139	104,700	22,337	93,771
Greenwood	5	74,497	8,478	3,394	86,369	103	386		14	23	75,925	5,808	15,028
Jermyn	2	549,832	7,011		556,843	220	1,005		17	141	403,025	4,026	101,076
Marvine	3	566,462	30,718	27,775	624,955	221	1,772		22	228	630,984	59,688	153,433
Olyphant	6	828,711	101,829	25,353	955,893	244	1,843		24	245	410,150	16,350	339,622
Powderly	2	331,161	14,660	15,036	360,857	179	1,126		8	167	146,000	935	34,391
		4,319,410	276,511	88,464	4,684,385		10,664		24	151	3,236,309	229,329	1,023,758
		38,320	62,637		100,957								
Gravity Slope Washery	2												
<b>Total</b>		<b>4,357,730</b>	<b>339,148</b>	<b>88,464</b>	<b>4,785,342</b>		<b>10,664</b>		<b>24</b>	<b>151</b>	<b>3,236,309</b>	<b>229,329</b>	<b>1,023,758</b>
Humbert Coal Co.													
Sunnyside	1	98,310	300	740	99,350	255	225		3	21	23,125	8,250	103,500
Jermyn & Co.													
Jermyn	4	72,972	5,400	6,907	85,179	72	637		2	7	50,000	39,000	55,000
Lackawanna Anthracite Mining Co.													
Richmondale	1	61,830	750	240	62,820	217	188		2	20	7,500	4,000	14,400

Lackawanna Coal Co. Ltd.													
Lackawanna	6	211,230	4,388	3,805	219,423	174	468		1	7	62	11,700	173,875
Lackawanna Valley Fuel Co.													
Glenwood Washery	2	20,368			20,368	226	9				3		3,375
Old Buffalo Mine	1	9,429			9,429	300	41				9	250	1,975
Throop Washery	6	24,888	300		25,188	178	25		1		3		
<b>Total</b>		<b>54,675</b>	<b>300</b>		<b>54,975</b>		<b>75</b>		<b>1</b>		<b>15</b>	<b>250</b>	<b>1,975</b>
Langcliffe Collieries Inc.													
Boland Mine	1	35,508	250	380	36,138	136	111			2	7	21,700	4,500
Tappans Mine	2	46,888	444	592	47,424	95	149			1	28	380	37,110
<b>Total</b>		<b>81,396</b>	<b>694</b>	<b>972</b>	<b>83,562</b>		<b>260</b>			<b>3</b>	<b>35</b>	<b>21,700</b>	<b>4,880</b>
Lehigh Valley Coal Co.													
Broadwell	7	47,815	966	2,415	51,196	188	113		1	19	13,425	23,300	31,650
Lincoln Coal Co.													
Oak Run	2	21,854		3,527	25,381	261	70			3	21	2,000	41,000
Meadowside Coal Co.													
Meadowside	6	30,006	500	10,206	40,712	256	126		3	4	34	15,250	8,025
Mid-City Coal Co.													
Bulls-Head	3	43,761	800	19,156	63,717	208	178			4	16	7,375	7,600
Mine Run Coal Co.													
Devils Eyebrow Mine	1	14,866	295		15,161	305	37		1	2		700	1,200
Moffat Coal Co.													
Moffat	5	61,476	320		61,796	211	153			2	37	5,250	8,225
Murrin Coal Co.													
Fallbrook	1	28,019	326	3,359	31,704	231	87			2	28	2,875	1,100
Namura Coal Co.													
Namura	5	5,313			5,313	263	14				1	3,750	1,250
Pennsylvania Coal Co.													
Erie Mine	2	192,108	1,943		194,051	269	454		1	111	13,170	18,300	139,400
No. 1	6	847,302	43,178		890,480	237	1,468		3	22	416	919,000	13,500
No. 5	4	202,666	13,969	27,083	243,718	235	513		2	5	207	194,000	28,850
Old Forge	4	327,688	54,667	9,330	391,735	235	1,032		4	6	162	112,500	13,500
Underwood	6	695,949	34,931	8,607	739,487	231	1,374		3	13	295	487,500	136,000
<b>Total</b>		<b>2,265,713</b>	<b>148,688</b>	<b>45,070</b>	<b>2,459,471</b>		<b>4,871</b>		<b>13</b>	<b>47</b>	<b>1,191</b>	<b>1,726,170</b>	<b>210,150</b>
Price-Pancoast Coal Co.													
Pancoast	4	202,461	19,700	5,188	227,349	209	547		4	11	122	143,575	17,050
Public Service Coal Co.													
Marshwood	6	33,958	195	1,303	35,456	153	232		2	29		200	10,750
Racket Brook Coal Co.													
Racket Brook	1	97,777	500	5,928	104,203	152	349			1	45	85,150	13,375
Raub Coal Co.													
Austin Tunnel	7	42,188			42,188	246	132			1	9	500	10,000

Table 2—Number of tons of coal mined, number of days worked, number of persons employed, number killed and injured, quantity of powder, dynamite and permissible explosives used, 1928—Continued

Operators and collieries	District	Tons of coal shipped to market	Tons used at collieries for steam and heat	Tons sold to local trade and used by employees	Total production of coal in tons (gross)	Number of days worked	Number of employees	Number of fatal accidents	Number of non-fatal accidents disability 60 days or more	Number of non-fatal accidents disability less than 60 days	Explosives		
											Pounds of black powder used	Pounds of dynamite used	Pounds of permissible explosives used
<b>LACKAWANNA COUNTY—Cont'd.</b>													
Roaring Brook Coal Co.													
Roaring Brook	4	27,000	200		27,200	300	58				60,000	3,000	15,000
Seranton Coal Co.													
Capouse	4	160,469	5,808		166,277 <sup>9</sup>	200	531		3	52	209,125	33,750	148,750
Johnson	6	116,826	1,828	21,901	140,353	151	666	3	21	52	121,125	26,525	102,375
Mt. Pleasant	4	64,350	4,809		68,959 <sup>10</sup>	265	238	2	2	32	48,750	1,950	8,700
Ontario	6	115,739	5,918	34,707	156,364	145	606	5	26	24,425	38,550	152,560	
Pine Brook	4	443,176	11,498	59,117	513,791	287	1,188	11	55	350,325	60,000	92,050	
Raymond Mine	2	106,850	4,672	3,016	114,538 <sup>11</sup>	140	490	3	29	28,125	16,250	146,250	
Richmond No. 3	6	22,165	7,321	246	29,732	193	145	1	10	10,075	6,500	85,000	
Riverside	2	96,190	9,016	11,177	116,383	154	466	4	18	162,700	12,060	32,750	
West Ridge	3	8,670		110	8,780 <sup>12</sup>	241	33	1	8		500		4,500
Total		1,134,435	50,468	130,274	1,315,177		4,413	6	49	282	954,650	196,075	772,985
South Penn Collieries Co.													
Legitts Creek	3	356,166	31,156	4,725	392,047 <sup>13</sup>	293	739	3	12	262	63,450	11,956	309,353
Von Storch	3	287,020	29,482	66,785	383,287	301	764	3	14	267	14,775	26,459	253,441
Total		643,186	60,638	71,510	775,334		1,503	6	26	529	78,225	38,415	562,794
Spencer Coal Co.													
Spencer	6	51,631	500	24,211	76,342	237	209	1	7	42	2,660	19,600	11,950
Sunrise Coal Co.													
Sunrise Stripping	2	9,091	1,000		10,091 <sup>14</sup>	221	8	1	2			200	
Temple Coal Co.													
Northwest	1	27,106	2,551	1,238	30,895	36	388		1	4	50	65,22 <sup>b</sup>	
Sterrick Creek	2	263,275	30,997	18,514	312,786	220	710	4	4	210	65,775	390,375	
Total		290,381	33,548	19,752	343,681		1,098	4	5	214	65,825	456,100	

Throop Coal Co.													
Crippen	6	15,230		7	15,237	288	20			1	1,600		3,350
West Jermyn Coal Co.													
West Jermyn	2	10,341		1,000	11,341	285	22		4	6	2,000		1b,000
Grand total		13,534,633	852,015	581,348	14,967,996	227	37,399	103	481	5,837	8,858,779	3,333,274	4,023,177

<sup>1</sup> Coal prepared at Washery of Lackawanna Valley Fuel Co., Throop.  
<sup>2</sup> Coal prepared at Sterrick Creek breaker.  
<sup>3</sup> Includes 33,716 tons from stripping.  
<sup>4</sup> Coal prepared at Avoca breaker, 7th District.  
<sup>5</sup> Coal prepared at Seneca breaker.  
<sup>6</sup> Coal prepared by Kingston Coal Co.  
<sup>7</sup> Coal prepared at Underwood breaker, 6th District.

<sup>8</sup> Coal prepared at Louise breaker, 10th District.  
<sup>9</sup> Coal prepared at Johnson Colliery, 6th District.  
<sup>10</sup> Coal prepared at Pine Brook Colliery, 4th District.  
<sup>11</sup> Coal prepared at Ontario breaker, 6th District.  
<sup>12</sup> Coal prepared at Johnson breaker, 6th District.  
<sup>13</sup> Coal prepared at Von Storch breaker.

<b>LUZERNE COUNTY</b>													
Alden Coal Co.													
Alden	14	279,511	3,267	7,169	289,948	270	790		13	140	2,575	9,743	135,129
Alden Washery	14	117,695	4,110	534	122,339	363	22		1				
Total		397,207	7,377	7,703	412,287		812		14	140	2,575	9,743	135,129
Barry Coal Co.													
Barry stripping	12	4,700			4,700 <sup>1</sup>	299	37					1,100	
Buck Mountain Coal Mining Co.													
Gowen	15	120,685	1,039	2,896	124,620	248	192	1	5	122		94,937	32,700
Clifford Coal Co.													
Clifford Washery	7	27,429	600	3,186	31,215 <sup>2</sup>	200	35					300	
Clifford stripping	7	11,000	870		11,870 <sup>3</sup>	290	16						
Total		38,429	1,470	3,186	43,085		51					300	
John Conlon Coal Co.													
Conlon	10	8,117			8,117	117	52			2	1,600	850	2,500
Madeira	10	151,724	435	20,753	172,912	267	390	1	10	143	112,400	45,700	78,750
Total		159,841	435	20,753	181,029		442	1	10	145	114,000	46,550	81,250
Coxe Brothers & Co., Inc.													
Deringer & Tomhicken	15	241,658	1,117	11,958	254,733	166	839		8	106		290,415	
Drifton	15	176,241	64,026	9,250	249,517	182	595	2	10	52		89,386	
Eckley & Buck Mountain	15	225,095	11,962	9,302	246,299	196	397	2	4	31		58,875	
Total		642,934	77,105	30,510	750,549		1,831	4	22	189		438,676	
R. M. Cranston													
Cranston	8	12,662	100		12,762	264	25			1	700	1,000	10,000

Table 2—Number of tons of coal mined, number of days worked, number of persons employed, number killed and injured, quantity of powder, dynamite and permissible explosives used, 1928—Continued

Operators and collieries	District	Tons of coal shipped to market	Tons used at collieries for steam and heat	Tons sold to local trade and used by employees	Total production of coal in tons (gross)	Number of days worked	Number of employees	Number of fatal accidents	Number of non-fatal accidents disability 60 days or more	Number of non-fatal accidents disability less than 60 days	Explosives		
											Pounds of black powder used	Pounds of dynamite used	Pounds of permissible explosives used
<b>LUZERNE COUNTY—Cont'd.</b>													
Charles M. Dodson & Co.	16	98,689	2,186	1,125	102,000	122	406	3	4	34		37,175	
Beaver Brook	14	21,246	150		21,396	202	48		1	18		3,075	18,400
East Alden Mining Co.	10	205,751	45,625	13,820	265,196	291	624	5	9	170	42,500	9,500	95,325
East Boston Coal Co.	10	30,430			30,430 <sup>4</sup>	287	43			21	10,250	750	18,155
Fox Hill Mining Co.	14	325,724	9,500		334,224 <sup>5</sup>	258	581		6	51			226,000
Glen Alden Coal Co.	13	284,914	14,430	7,400	256,744	259	581	1	11	98		5,650	124,000
Auchincloss	14	581,012	36,370	8,589	625,971	258	1,121	4	12	179	8,000	37,000	343,000
Avondale	7	116,826	4,469	4,469	121,295 <sup>6</sup>	174	457		2	51	7,500	4,300	66,850
Bliss	13	887,926	37,029	12,270	937,225	260	1,858	2	28	243		68,900	708,000
Hallstead	13					366	71						
Loomis	10	451,733	35,239	10,165	497,137	249	1,168	4	19	198	28,750	44,925	436,400
Loomis Power Plant	13	1,289,663	46,643	9,487	1,345,798	260	2,610	12	25	316		130,000	987,125
Pettebone	12	866,481	37,179	25,382	929,042	258	1,602		24		24,375	8,000	601,000
Truesdale													
Woodward													
Total		4,754,279	215,395	77,762	5,047,436		10,049	23	127	1,136	68,625	298,775	3,492,375
Grand Tunnel Coal Co.	13	84,701	569	927	86,197	184	253	2	7	66		4,800	18,825
West Nantioke	10	153,998	13,112	7,806	204,916	299	485	1	25	140	14,175	3,250	148,500
Haddock Mining Co.	12	4,000	20	2,000	6,020	130	23						
Black Diamond	9	12,556	1,825	6,461	20,842	289	38		1	11		2,400	24,000
Hanover Coal Co.	15	190,402	7,182	770	198,354	255	111			1		54,250	
Cullen Washery													
Harris-Denly Coal Co.													
Kintz													
Hazle Brook Coal Co.													
Hazle Brook													
Upper Lehigh	15	130,923	8,858	6,398	146,179	245	256		4	27		59,698	
Total		321,325	16,040	7,168	344,533		367		4	28		113,948	
Hillside Coal & Iron Co.	7	391,039	22,639	7,025	420,703	196	1,256	7	9	163	299,375	154,225	71,000
Butler	11	214,978	28,189	10,943	254,110 <sup>7</sup>	124	904	15	25		113,258	22,970	90,007
Hudson Coal Co.	11	73,379	8,676	1,061	83,116	88	374	3	3	39	97,400	16,964	
Baltimore No. 5	12	604,059	86,261	18,154	708,474 <sup>8</sup>	179	2,547	4	26		510,100	61,582	29,613
Baltimore No. 2 Bank	12		2,544										
Lafin	10	471,696	52,241	10,948	534,885	164	1,879	5	23	225	606,300	99,052	96,819
Loree No. 5—Boston													
Loree Bank													
Pine Ridge													
Total		1,364,112	218,002	41,106	1,618,220		6,003	27	77	264	1,327,058	200,568	216,439
Jeddo-Highland Coal Co.	15		15,702		15,702	266	178	1	4	25		12,329	
Highland No. 2	15	418,722	25,298	16,070	460,090	259	727	5	10	132		259,949	71,775
Highland No. 5	15	584,123	42,610	44,584	671,317	255	1,091	3	8	226		416,625	29,100
Jeddo No. 4	15		10,089		10,089	248	157		1	22		30,500	
Jeddo No. 7													
Total		1,002,845	93,699	60,654	1,157,198		2,153	9	23	405		719,403	100,875
John-Ames Coal Co.	11	18,811	110	13,622	32,543	225	33						
Franklin Washery	12	80,429	9,600	16,975	107,004	283	308	2	4		3,675	9,139	9,587
Kingston Coal Co.	12	243,292	15,500	54,192	312,984	282	782	4	8		108,400	11,963	18,162
Gaylord	9	276,586	31,500	2,794	310,840	284	711	2	10	170	51,575	11,775	48,925
Kingston No. 2													
Kingston No. 4													
Total		600,307	56,800	73,921	730,828		1,801	8	22	170	163,650	32,877	76,674
Langcliffe Collieries Co.	7	119,377	3,294	3,553	126,224 <sup>9</sup>	116	273	1		17		13,000	21,825
Avoca	13	97,456	352	27,470	125,278	274	313	3	3	32		10,325	59,150
George F. Lee Coal Co.	15	19,771			19,771 <sup>10</sup>	291	67			29		4,000	
Chauncey	16	241,703	18,175	115,268	375,146 <sup>11</sup>	203	1,090	1	6	74		32,000	152,987
Lehigh Coal Co.	11	415,722	37,100	86,188	539,010	245	1,052	1	22		67,075	421,650	
Hazle Mountain No. 5	9	268,032	55,373	25,228	348,633	207	832	3	7	115	6,825	286,375	1,100
Lehigh Coal & Navigation Co.	11	211,899	27,782	5,652	245,333	219	619	1	16		1,350	16,200	124,325
Cranberry	15	222,031	17,490	49,944	289,465	222	606	1	9	92		126,693	
Lehigh Valley Coal Co.	15	236,639	55,144	8,156	299,939	181	785		9	88		147,843	
Dorrance	7	59,201	6,288	2,497	67,986	123	233		12		1,425	43,675	
Exeter	9	205,208	23,875	12,445	241,528	221	606	2	8	61	10,600	182,850	
Franklin													
Hazleton No. 1													
Hazleton Shaft & Stockton													
Heidelberg													
Maitby													

Table 2—Number of tons of coal mined, number of days worked, number of persons employed, number killed and injured, quantity of powder, dynamite and permissible explosives used, 1928—Continued

Operators and collieries	District	Tons of coal shipped to market	Tons used at collieries for steam and heat	Tons sold to local trade and used by employes	Total production of coal in tons (gross)	Number of days worked	Number of employes	Number of fatal accidents	Number of non-fatal accidents disability 60 days or more	Number of non-fatal accidents disability less than 60 days	Explosives		
											Pounds of black powder used	Pounds of dynamite used	Pounds of permissible explosives used
<b>LUZERNE COUNTY—Cont'd.</b>													
<b>Lehigh Valley Coal Co.—Cont'd.</b>													
Mineral Spring	10	94,036	15,890	4,131	114,057	138	515	4	7	72	1,725	98,100	22,750
Prospect	9	200,601	43,540	2,917	247,058	196	822	3	17	177	61,025	148,075	1,950
Prospect (Henry)	10	252,647	35,119	8,040	295,806	196	754	1	22	108	103,375	237,200	67,200
Seneca	7	98,758	26,953	8,308	134,019	176	505	3	5	38	18,480	35,237	87,200
Spring Mountain	16	173,172	42,897	4,284	220,353	178	447.	2	3	40	68,529	68,529	318,875
Warrior Run	13	59,243	7,724	2,374	69,341	220	125	2	2	15	30,000	30,000	318,875
Westmoreland	9	143,619	12,219	6,131	161,969	216	389	1	4	64	300	91,375	318,875
William A.	7	137,988	1,864	6,559	146,411 <sup>12</sup>	182	361	3	5	35	825	98,175	318,875
<b>Total</b>		<b>2,778,796</b>	<b>409,258</b>	<b>232,854</b>	<b>3,420,908</b>		<b>8,651</b>	<b>25</b>	<b>136</b>	<b>917</b>	<b>273,005</b>	<b>2,081,977</b>	<b>217,325</b>
<b>Lehigh &amp; Wilkes-Barre Coal Co.</b>													
Buttonwood No. 22	13	435,610	41,723	7,264	484,597	232	1,031	1	26	146	8,875	267,200	267,200
Hollenback No. 2	11	236,687	26,289	66,466	329,442	236	840	1	10	18	18,600	31,550	223,100
Lance No. 11	12	444,875	27,213	56,810	528,898	225	1,122	5	21	23	235,375	7,275	200,825
Maxwell No. 20	13	669,694	39,600	22,817	732,111	233	1,613	13	23	227	13,700	494,875	494,875
Nottingham No. 15	12	355,723	36,253	19,303	411,279	240	1,000	11	18	61,825	20,428	136,450	136,450
So. Wilkes-Barre No. 5	11	327,852	34,737	101,511	464,100	237	1,137	5	11	7,050	7,050	283,125	283,125
Stanton No. 7	11	630,506	51,946	52,495	734,947	229	1,726	3	14	8,700	8,275	566,025	566,025
Sugar Notch No. 9	13	358,737	28,713	5,133	392,583	233	1,090	3	6	135	50	27,025	318,875
Wanamie No. 18	14	699,247	31,456	8,048	738,751	237	1,428	5	16	164	1,025	73,835	355,475
<b>Total</b>		<b>4,158,931</b>	<b>317,930</b>	<b>339,847</b>	<b>4,816,708</b>		<b>10,987</b>	<b>47</b>	<b>145</b>	<b>672</b>	<b>325,575</b>	<b>197,513</b>	<b>2,845,750</b>
<b>Lehigh-Wyoming Valley Coal Co.</b>													
Florence	7	65,706		11,306	77,012	287	194			28	1,500	36,000	36,000
Lynott & Brown Stripping	8		10	4,859	4,869	272	15					400	400
<b>Miners Mills Coal Mining Co.</b>													
Miners Mills	10	85,038			85,038 <sup>13</sup>	298	159	1	3		225	3,325	36,800
<b>Mt. Lookout Coal Co.</b>													
Mt. Lookout	9	110,056	13,844	11,255	134,655	165	469	2	2	23	8,475	99,625	99,625
<b>Nanticoke Valley Coal Co.</b>													
Nanticoke Washery	14	55,006			55,006	294	53						
<b>Pardee Brothers &amp; Co.</b>													
Beaver Brook	16	33,734	2,182	108	36,024 <sup>14</sup>	85	257		3	17		21,775	21,775
Lattimer	15	344,435	57,181	10,780	412,396	279	957	2	10	135		478,875	18,750
<b>Total</b>		<b>378,169</b>	<b>59,363</b>	<b>10,888</b>	<b>448,420</b>		<b>1,214</b>	<b>2</b>	<b>13</b>	<b>152</b>		<b>506,650</b>	<b>18,750</b>
<b>Pennsylvania Coal Co.</b>													
Central	7	171,572	9,649	3,130	184,351 <sup>15</sup>	225	508	3	12	109	131,250	42,500	44,100
Ewen	8	468,628	48,962	51	517,641	223	1,458	3	17	236	238,125	21,050	145,475
No. 6	8	260,698	40,965	7,768	309,431	141	1,549	3	12	155	240,625	56,800	98,000
No. 9	8	508,015	49,004	15,131	570,150	215	1,680	6	14	271	210,000	79,500	231,200
No. 14	8	429,774	45,144	9,616	484,534	196	1,571	6	6	262	349,375	43,500	131,800
<b>Total</b>		<b>1,836,687</b>	<b>193,724</b>	<b>35,696</b>	<b>2,068,107</b>		<b>6,766</b>	<b>20</b>	<b>61</b>	<b>1,033</b>	<b>1,169,375</b>	<b>243,350</b>	<b>650,375</b>
<b>Pittston Coal Mining Co.</b>													
Hadleigh	13	53,914	15,000	889	69,803	244	165		2	49		9,000	18,000
<b>Plymouth Red Ash Coal Co.</b>													
Red Ash	12	14,470	78	5,403	19,951	233	69	1				50	2,500
<b>T. F. Quinn Coal Co.</b>													
Consolidated	7	25,266	1,905	693	27,864	127	181		1	5		4,750	20,000
<b>Raub Coal Co.</b>													
Louise	10	47,696	600	20,678	68,974	196	236		1	20	200	11,000	16,000
<b>Sandy Run Coal Co.</b>													
Sandy Run	15	115,273	1,121	1,262	117,656	234	207		2	30		20,100	20,100
<b>Scranton Anthracite Coal Co.</b>													
Barnum	7	46,513	550	126	47,189	274	107		2	60			12,372
Pickaway	7	15,055			15,055 <sup>16</sup>	220	68		1	1			8,846
<b>Total</b>		<b>61,568</b>	<b>550</b>	<b>126</b>	<b>62,244</b>		<b>175</b>		<b>2</b>	<b>61</b>			<b>16,218</b>
<b>E. S. Stackhouse Coal Co.</b>													
Salem	14	28,270	300	3,348	31,918	166	115				1,150	6,025	11,225
<b>Sullivan &amp; Flynn Coal Co.</b>													
Sullivan & Flynn	11	13,673	340	9,188	23,201	299	47				750		6,800
<b>Suscon Coal Co.</b>													
Suscon	9	13,325 <sup>18</sup>			13,325 <sup>17</sup>	190	22		1		3,500	625	625
<b>Susquehanna Collieries Co.</b>													
No. 6	14	696,496	89,965	7,178	743,639	277	1,459	2	31	191		140,370	149,625
No. 7	14	894,897	30,108	28,279	953,284	285	2,326	9	49	220	61,975	48,401	722,538
Washery	14	63,626	965		64,611	156	51						
<b>Total</b>		<b>1,655,019</b>	<b>71,058</b>	<b>35,457</b>	<b>1,761,534</b>		<b>3,836</b>	<b>11</b>	<b>80</b>	<b>341</b>	<b>61,975</b>	<b>188,771</b>	<b>872,163</b>

REPORT OF THE

DEPARTMENT OF MINES



Table 2—Number of tons of coal mined, number of days worked, number of persons employed, number killed and injured, quantity of powder, dynamite and permissible explosives used, 1928—Continued

Operators and collieries	District	Tons of coal shipped to market	Tons used at collieries for steam and heat	Tons sold to local trade and used by employes	Total production of coal in tons (gross)	Number of days worked	Number of employes	Number of fatal accidents	Number of non-fatal accidents disability 60 days or more	Number of non-fatal accidents disability less than 60 days	Explosives		
											Pounds of black powder used	Pounds of dynamite used	Pounds of permissible explosives used
<b>LUZERNE COUNTY—Cont'd.</b>													
Temple Coal Co.													
Harry E. -----	9	329,730	47,779	11,548	339,057	289	902	1	9	62	70,350	303,700	-----
Terry Coal Co.													
Black Creek Washery -----	13	13,640			13,640	235	4						
Troy Coal Co.													
Troy -----	9	20,305	250	5,124	25,679	297	58		2	2		8,000	20,000
West End Coal Co.													
West End -----	14	223,600	3,252	9,044	235,896	153	856	1	8	151	375	44,250	81,700
Wolf Collieries Co., Inc.													
Woodside Mine -----	15	25,203			25,203 <sup>10</sup>	182	71					19,500	-----
Yatesville Coal Co.													
Yatesville -----	9	51,948 <sup>18</sup>			81,948 <sup>20</sup>	286	125		3	6	58,500	26,550	-----
Grand total -----		23,140,141	1,926,181	1,274,201	26,340,523	223	64,282	208	840	6,927	4,017,863	5,994,038	9,607,015

<sup>1</sup> Coal prepared at East Boston breaker, 10th District.

<sup>2</sup> Coal prepared from refuse from No. 9 and Underwood Collieries, Pennsylvania Coal Co.

<sup>3</sup> Coal prepared by Kingston Coal Co.

<sup>4</sup> Coal prepared at No. 2 breaker, Kingston Coal Co., 12th District.

<sup>5</sup> Coal prepared at Loomis breaker, 13th District.

<sup>6</sup> Breaker abandoned June 14, 1923—13,587 tons prepared at Diamond breaker, 3rd District; 28,970 tons prepared at Taylor breaker, 4th District.

<sup>7</sup> Includes 3,705 tons from stripping.

<sup>8</sup> Includes 48,112 tons from stripping.

<sup>9</sup> 46,388 tons mined at Archbald Colliery, 2nd District, and 25,622 tons mined at Carbondale Colliery, 1st District, prepared at Avoca Colliery.

<sup>10</sup> Coal prepared at Breaker of Nanticoke Valley Coal Co., 14th District.

<sup>11</sup> Includes 89,332 tons from stripping.

<sup>12</sup> Coal prepared at Seneca breaker.

<sup>13</sup> Coal prepared at East Boston breaker.

<sup>14</sup> Coal prepared at Lattimer breaker, 15th District.

<sup>13</sup> Coal prepared at Old Forge breaker, 4th District.

<sup>14</sup> Coal prepared at Barnum breaker.

<sup>15</sup> Includes 4,000 tons from stripping.

<sup>16</sup> Run of Mine.

<sup>17</sup> Coal prepared at Drifton breaker.

<sup>18</sup> Includes 6,000 tons from stripping.

**NORTHERLAND COUNTY**

Colonial	23	720,000	5,915	7,832	703,790 <sup>14</sup>	296	1,177	3	4	110	125,420	407,754
Excelsior Coal Co.	24	212,180	6,000	1,070	220,200	248	287		1	45	1,200	21,850
Lehigh Valley Coal Co.	22	250,408	60,320	10,020	340,249 <sup>15</sup>	104	324	2	13	101	234,306	
Northumberland Mining Co.	24	374,719	10,794	4,904	390,417	287	771	3	13	232	57,131	339,135
Phila. & Reading Coal & Iron Co.	23	256,178	84,500		270,678	202	572	6	7	46	40,905	91,470
Bear Valley	24	259,340	40,945	7,270	317,575	200	835	1	15	83	214,046	500
Burnside	24	349,136	54,856	26,603	434,515	275	1,026	4	31	170	156,850	57,550
Henry Clay	24	162,516	35,749	42,417	240,682	192	728	1	11	76	130,472	44,650
Locust Spring	23	549,638	124,559	4,649	679,846 <sup>16</sup>	284	1,117	1	12	121	438,907	65,575
North Franklin	24	56,385	21,833	4,754	77,004	45	321		4	20	23,289	
Reliance	23	254,248	51,891	29,100	264,339	253	649	1	5	35	130,635	92,450
<b>Total</b>		<b>1,812,461</b>	<b>383,765</b>	<b>118,613</b>	<b>2,335,039</b>		<b>5,318</b>	<b>14</b>	<b>85</b>	<b>561</b>	<b>1,165,173</b>	<b>302,495</b>
Shamokin Coal Co.	24	42,121	640	5,130	47,941	50	330		1	32	19,400	26,400
Shamokin Colliery Co.	23	216,061	13,000		229,661	284	78					
South Penn Collieries Co.	24	50,005	11,025	2,215	64,145	221	83		2	10	1,105	12,425
Stevens Chapin Coal Co.	23	80,870	5,040		85,910	168	44					
Susquehanna Collieries Co.	24	268,725	9,147	15,667	318,560	201	538		11	80	64,801	200,204
Cameron	24	117,763	7,476	2,029	126,170	110	574	3	10	41	30,725	90,195
Lake Fidler	25	168,828	1,363	4,069	176,170	125	1,005	2	9	41	55,100	133,150
Pennsylvania	23	383,664	3,122	17	390,703	234	1,133	4	18	129	68,166	330,850
Richards	23	150,041	25,595	7,193	182,829	140	589		12	67	45,100	146,475
<b>Total</b>		<b>1,113,922</b>	<b>56,566</b>	<b>50,765</b>	<b>1,201,663</b>		<b>4,839</b>	<b>9</b>	<b>60</b>	<b>307</b>	<b>304,912</b>	<b>900,574</b>
<b>Grand total</b>		<b>4,894,231</b>	<b>623,461</b>	<b>181,419</b>	<b>6,699,111</b>	<b>207</b>	<b>13,757</b>	<b>31</b>	<b>178</b>	<b>1,458</b>	<b>1,822,515</b>	<b>2,061,133</b>

<sup>1</sup> Includes 60,794 tons from stripping.

<sup>2</sup> Includes 29,007 tons from stripping.

<sup>3</sup> Includes 44,994 tons from stripping.

Table 2—Number of tons of coal mined, number of days worked, number of persons employed, number killed and injured, quantity of powder, dynamite and permissible explosives used, 1928—Continued

Operators and collieries	District	Tons of coal shipped to market	Tons used at collieries for steam and heat	Tons sold to local trade and used by employees	Total production of coal in tons (Gross)	Number of days worked	Number of employees	Number of fatal accidents	Number of non-fatal accidents disability 60 days or more	Number of non-fatal accidents disability less than 60 days	Explosives		
											Pounds of black powder used	Pounds of dynamite used	Pounds of permissible explosives used
<b>SCUYLER COUNTY</b>													
Black Heath Coal Co.	19	15,941	800	442	16,733	259	27	1	1	1	0,246		
Buck Run Coal Co.	19	269,640	5,113	4,903	279,556	331	641	206	20	206	59,642	106,406	
Chestnut Hill Coal Co.	18	12,065	60	2,838	15,003	224	72				4,300	16,002	
Coze Brothers & Co. Inc.	16	136,337	14,676	2,417	153,332	154	494	1	1	69	104,010		
East Bear Ridge Colliery Co.	23	182,185	5,800	4,021	192,556	206	406	1	2	45	106,000		
Frackville Coal Co.	18	57,523	705	9,406	67,714	251	110		2		13,760	21,700	
Gorman & Oampfen	18	56,055	150	4,083	60,288	225	113		11		35,800		
Haddock Mining Co.	16	610,710	4,825	4,130	619,665	393	609	1	13	179	301,000	48,100	
Candlemas	18	2,055			2,055		44		1		23,650		
Salem Hill													
<b>Total</b>		<b>612,765</b>	<b>4,826</b>	<b>4,130</b>	<b>621,720</b>		<b>982</b>	<b>1</b>	<b>14</b>	<b>179</b>	<b>412,650</b>	<b>48,100</b>	<b>46,300</b>
<b>HARJIGH-BROOKWOOD COAL CO.</b>													
Lawrence	22	337,089	5,672	7,648	350,409	272	737	3	8	103	214,161	12,160	
Thomas	21	234,636	1,745	3,849	240,230	200	388	1	11	102	20,390	60,500	
<b>Total</b>		<b>571,724</b>	<b>7,417</b>	<b>11,497</b>	<b>590,639</b>		<b>1,125</b>	<b>4</b>	<b>19</b>	<b>205</b>	<b>234,551</b>	<b>72,660</b>	<b>72,660</b>
<b>HAZIE BROOK COAL CO.</b>													
Girard	22	106,419	8,601		115,011	179	169	1	1	19	47,366	4,675	
Maryd	18	194,529	46,218	11,919	252,674	255	342	3	9		59,150	26,125	
Raven Run	21	259,549	2,493	1,044	262,061	272	346	2		98	69,051	50,675	

Westwood	25	179,432	8,700	2,369	185,591	219	252	1	3	47	39,890	70,073
Total		770,190	60,985	15,832	846,447		1,111	7	22	184	24,100	161,450
Laurel Coal Mining Co.	22	8,314	30	367	8,781	56	79	1		5	2,000	500
Bieble Coal & Navigation Co.	18	236,280	7,078	2,450	305,688*	207	701		7		40,482	67,330
Alliance	17	369,788	30,940	17,074	437,797	232	902	1	12	94	404,524	100,810
Conditale	17	362,810	6,600		358,910	207	819	2	7	210	391,275	40,250
Greenwood	17	286,765	9,145		305,888	231	791		9	104	293,435	32,770
Rahn	13	375,405	15,571		393,577	233	852		13			
Tamaqua												
Total		1,803,514	70,252	19,524	1,893,270		4,065	3	53	408	1,149,766	241,160
Lehigh Valley Coal Co.	18	178,420	29,503	2,849	220,772	153	781	2	23		30,558	95,022
Buck Mountain	21	136,601			136,601	157	349	1	7	70		96,492
Packer No. 2	21	79,250			79,250*	167	139		1	24		25,499
Packer No. 3	21	36,034			36,034	120	89		6	81		34,466
Packer No. 4	21	121,014			121,014	120	600	2	13	118		154,945
Packer No. 5	20	323,539	49,921	7,483	386,943	202	945	4	21	239	111,034	120,600
Park	20	117,370	2,095		120,365	204	62		1	8		
Springdale Washery												
Total		1,057,728	170,300	17,843	1,245,771		3,317	10	71	535	141,602	517,424
Lehigh & Wilkes-Barre Coal Co.	16	218,210	44,038	8,387	270,635	225	1,054	1	32	75	169,328	
Audertied No. 4	16	158,247	21,004		180,251*	226	145	2	1	26	3,125	
Honey Brook 5												
Total		376,457	66,102	8,507	451,146		1,100	3	13	111	3,125	254,076
Locust Mountain Coal Co.	21	452,055	6,765	4,411	463,231*	232	641	2	14	83	275,717	
Weston												
Lytie Coal Co.	19	228,583	58,492	5,036	292,121*	198	750		12	56	84,720	116,753
Mill Creek Coal Co.	15	376,727	3,161	3,456	383,344*	352	765		21		89,200	101,590
Monaca 11												
Phila. & Reading Coal & Iron Co.	22	77,587	8,585		86,042*	101	143		3	37	5,230	10,475
Bancroft	22	359,793	45,318	10,110	423,221*	270	625		8	103	107,500	10,636
East	25	401,535	64,418	9,708	475,751	256	1,065	2	70	86	194,810	
Brookside	18	194,165	30,222	6,322	230,709	145	831	2	6		63,000	83,405
Eagle Hill	20	293,650	45,992		339,861	210	877	2	20	127	117,165	23,005
Ellangowan	22	257,474	36,361	11,259	305,094*	228	845	1	14	169	170,000	2,850
Gibberton	25	226,047	100,485	9,623	342,170	196	868	2	11	76	244,800	26,075
Good Spring	21	235,835	49,433	5,020	290,288	233	613	2	13	84	73,333	74,533
Hammond	25	321,777	54,904	9,875	386,556	299	900	2	14	44	121,926	3,375

Table 2—Number of tons of coal mined, number of days worked, number of persons employed, number killed and injured, quantity of powder, dynamite and permissible explosives used, 1928—Concluded

Operators and collieries	District	Tons of coal shipped to market	Tons used at collieries for steam and heat	Tons sold to local employees trade and used by	Total production of coal in tons (Gross)	Number of days worked	Number of employees	Number of fatal accidents	Number of non-fatal accidents disability 60 days or more	Number of non-fatal accidents disability less than 60 days	Explosives			Pounds of permissible explosives used
											Pounds of black powder used	Pounds of dynamite used	Pounds of	
<b>SCHUYLKILL COUNTY—Cont'd.</b>														
Phila. & Reading Coal & Iron Co.—Cont'd.														
Mahanoy City	20	185,367	50,529	27,133	233,034	229	634	4	3	53			43,710	71,900
Maple Hill	20	308,401	66,322	664	375,387 <sup>10</sup>	230	1,030	4	29	179			69,635	72,000
Middle Creek Washery	25	130,251	6,843	1,470	137,564	13	43		2	10			14,150	
North Mahanoy	20	223,432	46,413	8,632	278,707	218	631	3	7	68			34,625	77,275
Otto	10	253,564	36,390	5,301	296,016	232	693	1	10	90			83,505	65,627
Phoenix Park	19		8,509	168	8,705 <sup>17</sup>		9							10
Pine Forest Washery	13	119,642	6,134	1	125,327	159	97		1				525	3,400
Pine Knot 18	19	339,290	82,837	7,323	429,400 <sup>10</sup>	210	1,131	4	27	163	875		281,775	37,380
Reevesdale	18	88,933	7,523	9,079	106,940	141	332		3				30,072	19,349
Shenandoah City	21	313,037	60,563	44,034	418,233 <sup>12</sup>	235	992	2	40	314			108,622	2,340
Silver Creek	18	219,831	33,372	3,744	256,947	149	918	2	14				176,710	
Tunnel Ridge	20	223,876	57,207	3	281,086	212	634	2	10	43			169,073	4,250
Wadesville	13	154,376	30,838	57,066	241,858	178	816		12				56,186	142,175
West Shenandoah	21	361,379	41,903	2,408	405,336	231	981	2	33	245			136,620	46,310
Total		5,311,633	961,762	226,519	6,509,804		15,928	40	314	1,370	875		2,419,229	789,672
Pine Hill Coal Co.														
Oak Hill	19	234,365	5,232	14,783	254,400 <sup>10</sup>	222	737	2	11	149			38,426	106,010
Pine Hill	19	361,646	16,194	1,303	379,145	240	909	2	23	141			53,246	196,833
Total		656,013	21,470	16,086	693,575		1,706	4	34	290			135,681	301,843
Reppier Coal Co.														
New Castle	13	224,164	2,232	2,301	228,697	211	479	1	10	105			66,531	144,132
Saint Clair Coal Co.	13	264,009	16,000	15,756	296,425 <sup>21</sup>	267	550	1	5				160,000	
Sherman Coal Corp.	19	119,736		29,833	149,625	231	183		3	100			41,850	12,900

South Penn Collieries Co.	18	97,444	2,205	400	100,049	184	202	3	30,774	12,881
Eandolph										
Susquehanna Collieries Co.	21	198,777	39,441	2,023	238,241 <sup>19</sup>	212	585	7	148,668	
Wm. Penn										
Grand total		13,338,208	1,518,201	421,697	15,778,107	210	35,510	651	4,439	53,100

1 Coal prepared at Spring Mountain colliery.  
 2 Includes 12,983 tons from stripping.  
 3 Coal prepared at Casdemas colliery, 16th District.  
 4 Includes 257 tons of bank coal.  
 5 Includes 1,717 tons of bank coal.  
 6 Coal prepared at Packer No. 4 breaker.  
 7 Includes 12,231 tons from stripping.  
 8 Coal prepared at Audenried No. 4 breaker.  
 9 Includes 44,358 tons from stripping.  
 10 Includes 3,025 tons stored at mines.  
 11 75,773 tons from Wolf Creek Drifts prepared at Lawrence breaker, Harleigh.  
 12 Includes 70,655 tons from stripping and 1,643 tons from culm bank.  
 13 Includes 14,712 tons from stripping.

<b>SULLIVAN COUNTY</b>										
Connell Anthracite Mining Co.	10	73,047	20,000	5,697	98,744	106	465	9	85	68,475
Northern Anthracite Coal Co.	10	15,768	4,150	1,191	21,000	126	108	3	5	1,200
Murray										
Grand total		88,805	24,150	6,888	119,843	110	563	3	40	69,675

<b>SUSQUEHANNA COUNTY</b>										
Hillside Coal & Iron Co.	1	87,772	3,812	3,976	100,560	179	327	1	8	91,950
Forest City										
Hudson Coal Co.	1	73,372	4,973	1,359	80,204	143	159			60,300
Clinton										
Grand total		161,144	13,765	5,335	180,764	167	496	1	8	91,250

<b>WAYNE COUNTY</b>										
Hillside Coal & Iron Co.										
Forest City										
Hudson Coal Co.										
Clinton	1	6,333	483	163	6,979	143	153			
Vandling Coal Co.										
Northeast	1	2,705			2,705	61	15			1,250
Grand total		31,033	2,638	1,167	34,828	150	248			1,250

Grand total all counties		69,859,762	5,153,501	2,551,301	69,564,564	219	109,721	447	2,282	39,746
										19,320,807
										19,225,305

Table 4—Showing source of power, number and kinds of boilers, engines, locomotives, and electrical equipment in use, 1927

County	Power Plant																
	Boilers				Engines				Haulage		Locomotives						
	Cylindrical		Tubular		Steam engines (all classes)		Internal combustion engines (gas)		Electric dynamos (all classes)		Number of horses		Gasoline	Air	Steam	Electric battery	Electric
	Number	Total horse power	Number	Total horse power	Number	Total horse power	Number	Total horse power	Number	Total kilowatts	Number	Total horse power					
Casbon	20	4,328	20	3,000	1	40	4	407	359	27,566	150	1	4	28	8	48	
Columbia	30	4,560	30	5,168			4	726	41	3,015	128	1	4	14	5	20	
Deaphin	20	8,340	16	5,218			5	8,309	52	11,588	137			4		20	
Lakawanna	266	76,273	574	78,716	2	285	121	61,412	2,525	139,910	1,490	6		80	59	702	
Luzerne	689	168,079	1,721	279,555	17	622	191	80,037	3,697	185,327	4,169	4	28	249	153	863	
Northumberland	160	28,030	206	38,336	1	30	32	10,186	569	48,278	1,117	1		44	26	104	
Schoykill	642	107,656	695	124,893	18	180	56	21,109	1,458	113,598	2,111	2	50	225	46	306	
Sullivan	18	2,890	13	2,020			5	960	4	85	20					24	
Susquehanna	28	3,100	28	2,800			5	1,250	75	3,133	24			3		24	
Wayne	4	1,080	28	1,922			3	670	84	4,148	22			2	3	6	
Total	35	3,104	1,803	541,426	30	1,047	426	185,125	8,762	551,657	9,068	14	81	647	300	2,183	

Table 4—Showing source of power, number and kinds of boilers, engines, locomotives, and electrical equipment in use, 1928

Operators and collieries	District	Power Supply	Power Plant										Haulage							
			Boilers		Engines				Locomotives				Number of horses and mules	Gasoline	Air	Steam	Electric battery	Electric		
			Cylindrical	Tubular	Number	Total horse power	Steam engines (all classes)	Number	Total horse power	Internal combustion engines (gas)	Number	Total kilowatts							Number	Electric motors except haulage
<b>CARBON COUNTY</b>																				
Colebrook Colliery Co.	16	Purchased	1	120																
Coleraine Washery	16	Purchased	8	2,000	20	3,000														
Coxe Brothers & Co., Inc.	16	Purchased																		
Beaver Meadow	16	Purchased	2	750																
Evans Colliery Co.	17	Purchased	4	988																
Evans	17	Purchased	6	854																
Lehigh Coal & Navigation Co.	17	Purchased	10	1,727																
Coaldale	17	"																		
Lansford	17	"																		
Nesquehoning	17	"																		
<b>Total</b>																				
<b>COLUMBIA COUNTY</b>																				
Lehigh Valley Coal Co.	16	Purchased	1	120	20	4,537	20	3,000												
Spring Brook																				
<b>Grand total</b>																				
<b>See Schuylkill County.</b>																				
<b>COLUMBIA COUNTY</b>																				
Hazle Brook Coal Co.	22	Purchased																		
Midway	27	Purchased	6	1,800	15	2,350														
Lehigh Valley Coal Co.	22	Purchased	1	150																
Centerville																				
Continental Washery																				
<b>Total</b>																				



Table 4—Showing source of power, number and kinds of boilers, engines, locomotives, and electrical equipment in use, 1928—Continued

Operators and collieries	District	Power Supply	Power Plant															
			Boilers				Engines						Haulage					
			Cylindrical		Tubular		Steam engines (all classes)		Internal combustion engines (gas)		Electric dynamos (all classes)		Electric motors except haulage		Locomotives			
			Number	Total horse power	Number	Total horse power	Number	Total horse power	Number	Total horse power	Number	Total horse power	Number	Total horse power	Gasoline	Steam	Electric battery	Electric
<b>COLUMBIA COUNTY—Cont'd.</b>																		
Phila. & Reading Coal & Iron Co.	23	Purchased	16	2,000	10	2,346												
Potts			23	3,950	20	4,606			6	600	27	2,004		4	1		4	
Grand total																		108
<b>DAUPHIN COUNTY</b>																		
Susquehanna Collieries Co.	25	Purchased	12	6,600	23	5,068			3	16,400	17	1,975						64
Short Mountains	25	"	3	1,740	3	120			3	854	30	10,005						82
Williamstown																		
Grand total			2	150	26	8,340	16	5,918	6	16,254	56	12,611						146
<b>LACKAWANNA COUNTY</b>																		
Reynolds & Lewis Coal Co.	1	Purchased	1	50														
Stone Quarry																		
Childs Coal Co.	2	"																
No. 1 Mine																		
D. F. M. Co.	2	"	1	25	1	20												
No. 1 Mine																		
Dunmore Anthracite Coal Co.	6	Purchased	2	250														
Dunmore																		
John Gibbons Coal Co.	6	Purchased	13	400														
Gibbons																		
Glen Alden Coal Co.																		
Archibald	5	"	4	1,212	5	519			1	500	40	2,334						3
Baker	6	"	10	2,130	5	900			1	2,100	108	10,608						7
Diamond	8	"	8	2,000	5	1,601			6	1,624	84	5,330						8
Hampton Plants	5	"	28	9,569	8	470			6	9,500	33	7,359						35
Hyde Park	9	"			13	2,190			3	1,000	73	2,710						5

Company	4	5	1,615	7	1,604	3	1,940	43	1,600	1	1	22
Pyne	5	1,615	7	1,604	3	1,940	43	1,600	1	1	22	
Storrs	16	2,667	10	2,850	7	4,750	184	10,802	11	1	51	
Taylor	4	1,212	3	2,900	3	1,000	108	6,392	5	1	37	
<b>Total</b>	<b>70</b>	<b>22,353</b>	<b>51</b>	<b>12,625</b>	<b>22</b>	<b>21,424</b>	<b>762</b>	<b>48,061</b>	<b>25</b>	<b>1</b>	<b>346</b>	
<b>Glendale Anthracite Collieries</b>	<b>1</b>	<b>Purchased</b>				<b>280</b>	<b>45</b>	<b>2,590</b>	<b>24</b>	<b>1</b>	<b>2</b>	
Glendale												
Green Ridge Coal Co.												
Green Ridge	4	Purchased	1	30			10	879	5	1	3	
Grove Hill Coal Co.												
Lackawanna	6	Purchased					4	125	8			
Hillside Coal & Iron Co.												
Forest City	1											
Hudson Coal Co.	1											
Clinton	2											
Coal Brook	3											
Eddy Creek	2											
Gravity Slope	5											
Greenwood	2											
Jermyn	3											
Marvine	3											
Olyphant	6											
Powderly	2											
<b>Total</b>	<b>60</b>	<b>21,368</b>	<b>221</b>	<b>17,302</b>	<b>25</b>	<b>20,000</b>	<b>683</b>	<b>42,592</b>	<b>493</b>	<b>33</b>	<b>156</b>	
<b>Humbert Coal Co.</b>	<b>1</b>	<b>Purchased</b>	<b>1</b>	<b>80</b>			<b>22</b>	<b>949</b>	<b>11</b>	<b>2</b>	<b>6</b>	
Sunnyside												
Jermyn & Co.	4	Purchased	4	2,100	20	2,267			32			
Jermyn												
Lackawanna Anthracite Mining Co.	1	Purchased	1	75			19	692	3	1	3	
Richmondale												
Lackawanna Coal Co., Ltd.	6											
Lackawanna												
Lackawanna Valley Fuel Co.	2	Purchased					7	190	5	3	14	
Greenwood Washery	1											
Old Buffalo	6	Purchased	1	100			11	365	6	3		
Tiroop Washery												
<b>Total</b>	<b>1</b>	<b>100</b>					<b>18</b>	<b>555</b>	<b>6</b>	<b>3</b>		
<b>Lancette Collieries Inc.</b>	<b>1</b>	<b>Purchased</b>					<b>11</b>	<b>457</b>	<b>10</b>	<b>1</b>		
Boland												
Tappans	2						8	395	11	3	4	
<b>Total</b>	<b>1</b>	<b>75</b>					<b>19</b>	<b>852</b>	<b>21</b>	<b>4</b>	<b>4</b>	

Table 4—Showing source of power, number and kinds of boilers, engines, locomotives, and electrical equipment in use, 1928—Continued

Operators and collieries	District	Power supply	Power Plant						Haulage							
			Boilers		Engines		Number of horses and mules	Locomotives								
			Cylindrical	Tubular	Steam engines (all classes)	Internal combustion engines (gas)		Electric dynamos (all classes)	Electric motors except haulage	Gasoline	Air	Steam	Electric battery	Electric		
Number	Total horse power	Number	Total horse power	Number	Total horse power	Number	Total kilowatts	Number	Total horse power	Number of horses and mules	Gasoline	Air	Steam	Electric battery	Electric	
<b>LACKAWANNA COUNTY—Cont'd.</b>																
Labigh Valley Coal Co.	7	Purchased					1	150	16	817	3					
Lincoln Coal Co.	2	Purchased		15					14	380	2					
Oak Run	6	Purchased	3	300	2	140			19	425	18					
Meadowside	3	Purchased	1	200			1	150	12	815	5				1	4
Mid-City Coal Co.	1	Purchased														
Bulls Head	1	Purchased	1	25	1	50					4					
Mine Run Coal Co.	5	Purchased									13			2		
Devil's Eyebrow	1	Purchased	2	150	1	40			1	12	12			2	1	
Moffat	5	Purchased														
Murrin Coal Co.	1	Purchased														
Fallbrook	5	Purchased														
Namurs Coal Co.	3	Purchased	1	80												
Namuna	6	Purchased	18	3,200	17	2,090			1	300	24					10
Pennsylvania Coal Co.	6	Purchased	6	950	14	1,225			3	3,000	2					50
Eric	4	Purchased	30	2,850	16	1,128			2	465	24					13
No. 1	4	Purchased	8	3,200	6	2,252			5	1,500	2					27
No. 5	6	Purchased	62	10,150	53	6,695			3	2,250	4					60
Old Forge	5	Purchased	1	80					14	7,615	56			5		160
Underwood	4	Purchased			6	817										
Total																
Price-Pancoast Coal Co.	4	Purchased							1	200	27					11
Pancoast	6	Purchased									18					630
Public Service Coal Co.																
Marshwood																

	1	25	400	26	1,130	12	2	2	12
Racket Brook Coal Co.	1								
Racket Brook									
Raub Coal Co.	7			7	220	7			
Austin Tunnel									
Roaring Brook Coal Co.	4			4	100	3			
Scranton Coal Co.									
Capouse	4		200	19	863	44		1	4
Johnson	6		300	58	4,234	51	2		4
Mt. Pleasant	4		150	5	100	28		2	1
Ontario	6		365	31	2,072	56	4		5
Pine Brook	4		1,200	25	2,041	104			17
Raymond	2		1,200	24	888	70	4	1	4
Richmond No. 3	6		800	1	80	20			
Riverside	2		730						
West Ridge	3		875	31	1,486	39		2	
Total			2,465	199	11,744	422	10	6	35
South Penn Collieries Co.									
Legitts Creek	3		300	59	2,230	35		1	9
Von Storch	3		400	134	4,701	53	8		8
Total			700	193	7,931	88	3	1	17
Spencer Coal Co.									
Spencer	6			26	637	22			
Sumrise Coal Co.									
Sumrise Stripping	2						2		
Teagle Coal Co.									
Northwest	1		300	35	1,114			2	2
Sterrick Creek	2		800	30	1,800	70	3		15
Total			1,100	65	3,574	70	5		18
Throop Coal Co.									
Crippen	6			3	35				
West Jermyn Coal Co.									
West Jermyn	2			1	25	4			
Grand total	2	225	103	2,633	144,570	1,462	79	57	635

\* See Susquehanna County.  
 \* See Wayne County.

Table 4—Showing source of power, number and kinds of boilers, engines, locomotives, and electrical equipment in use, 1928—Continued

Operators and collectees	District	Power supply	Power Plant										Haulage										
			Boilers				Engines				Number of horses and mules	Gasoline	Air	Steam	Electric battery	Electric							
			Cylindrical		Tubular		Steam engines (all classes)		Internal combustion engines (gas)								Electric motors except haulage						
			Number	Total horse power	Number	Total horse power	Number	Total horse power	Number	Total kilowatts							Number	Total horse power					
<b>LUZERNE COUNTY</b>																							
Alden Coal Co.	14	Purchased		4	882	1	400																
Alden																							
Barry Coal Co.	12																						
Barry Stripping																							
Buck Mountain Coal Mining Co.	16	Purchased		1	60																		
Gowen																							
Clifford Coal Co.	7	Purchased		1	75																		
Clifford																							
John Conlon Coal Co.	10	Purchased																					
Conlon																							
Madeira	10	"																					
Total																							
Coze Brothers & Co., Inc.	15	Purchased		4	260																		
Deringer & Tombliken	15	"		10	4,820	17	1,600	2	12	3	600												
Drifton				12	1,700	17	1,700	1	10	3	350												
Eckley & Buck Mountain	15																						
Total				35	6,480	54	3,300	3	22	6	950												
R. M. Cranston	8	Purchased		2	50	2	35																
Cranston																							
Charles M. Dodson & Co.	16	Purchased		5	500																		
Beaver Brook																							
East Alden Mining Co.	14	Purchased	1	125																			
East Alden																							

	10	8	1,942	27	1,258	1	20		98				
East Boston Coal Co.													
East Boston													
Fox Hill Mining Co.													
Fox Hill									2				
Glen Alden Coal Co.													
Avonchilross													
Avondale													
Biles													
Hallstead													
Loomis													
Loomis Power Plant													
Petelebone													
Truesdale													
Woodward													
Total													
Grand Tunnel Coal Co.													
West Nanticoke													
Haddock Mining Co.													
Black Diamond													
Harover Coal Co.													
Cullen Washery													
Harris-Denly Coal Co.													
Kintz													
Hazle Brook Coal Co.													
Hazle Brook													
Upper Lehigh													
Total													
Hillside Coal & Iron Co.													
Butler													
Hudson Coal Co.													
Baltimore No. 5													
Lafin													
Lowe No. 5-Boston													
Pine Ridge													
Total													
Jeddo-Highland Coal Co.													
Highland No. 2													
Highland No. 5													
Jeddo No. 4													
Jeddo No. 7													
Total													

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Table 4—Showing source of power, number and kinds of boilers, engines, locomotives, and electrical equipment in use, 1928—Continued

Operators and collieries	District	Power Supply	Power Plant										Haulage					
			Boilers		Engines				Locomotives				Gasoline	Air	Steam	Electric battery	Electric	
			Cylindrical	Tubular	Steam engines (all classes)		Internal combustion engines (gas)		Electric dynamos (all classes)	Total kilowatts	Number	Total horse power						Number of horses and mules
					Number	Total horse power	Number	Total horse power										
<b>LUCERNE COUNTY—Cont'd.</b>																		
John-Ames Coal Co.	11	Purchased		1	50													
Franklin Washer	12	Purchased		4	1,300		18	1,600		1	158		18					
Kingston Coal Co.	12	"		6	1,900		17	2,700							6	15	6	
Gaylord	9	"		12	2,600		57	6,000		7	1,715		19			3	4	
Kingston No. 2																		
Kingston No. 4																		
<b>Total</b>				23	6,000		72	10,300		8	1,907		37		111		12	
Langcliffe Collieries Co.	7	Purchased	3	?	230		4	700									2	
Avoca																		
George F. Lee Coal Co.	12	Purchased			126								51		1,473		5	
Chauncey																		
Lobigh Coal Co.	15	Purchased																
Hazle Mountain No. 5	16	Purchased								1	300		111		9,411		14	
Lobigh Coal & Navigation Co.																		
Cranberry																		
Lehigh Valley Coal Co.	11	Purchased		4	1,904		15	5,200					10		1,117		23	
Dorrance	9	"		7	2,702		30	2,100		3	400		32		608		10	
Exeter	11	"		2	2,112		36	2,510					12		490		4	
Franklin	15	"		3	2,000		12	1,510		1	20							
Hazleton No. 1	15	"		8	2,650		25	3,250										
Hazleton Shaft & Stockton	7	"		13	1,920		21	1,722										
Heidelberg	9	"		6	1,800		19	1,715										
Maltby	10	Purchased		4	1,000		20	2,435		3	298		23		525		6	
Mineral Spring	9	"		10	2,700		46	5,380		2	300		9		610		10	
Prospect	10	"		8	2,000		29	4,050					7		495		11	
Prospect (Henry)	7	"		6	3,000		23	2,050		3	525		35		140		13	
Seneca																		

DEPARTMENT OF MINES

16	Spring Mountain	9	2,700	12	1,400																
13	Warrior Run	10	1,500	11	1,100																
3	Westmoreland	7	1,100	16	2,628																
7	William A.																				
	Total	102	22,524	317	37,230	1	20	21	3,373	240	9,000	757	32	28	103						
	Lehigh & Wilkes-Barre Coal Co.																				
13	Buttonwood No. 22	16	3,546	69	9,692																
11	Hollenback No. 2	8	2,000	53	6,788																
12	Lance No. 11	3	2,000	47	2,768																
13	Maxwell No. 20	1	2,726	55	9,096																
12	Nottingham No. 15	13	2,500	52	6,733																
11	So. Wilkes-Barre No. 5	12	2,500	53	8,925																
11	Stanton No. 7	16	2,988	68	7,974																
13	Sugar Notch No. 9	8	2,000	40	4,148																
14	Wasamle No. 13	12	2,628	50	5,761																
	Total	104	22,862	486	64,751			4	385	94	8,100	1,122	13	12	3	84					
	Lehigh-Wyoming Valley Coal Co.																				
7	Florence																				
	Lynnott & Brown	1	250																		
8	Stripping																				
10	Miners Mills																				
	Mt. Lookout Coal Co.																				
9	Mt. Lookout	6	1,200	23	2,850																
14	Nanticoke Valley Coal Co.																				
	Nanticoke Washery																				
16	Beaver Brook	1	100																		
15	Lattimer	15	3,720	17	1,650																
	Total	18	3,820	17	1,680																
	Pennsylvania Coal Co.																				
7	Central	4	2,000	14	1,355																
8	Ewen	17	4,165	20	2,170																
8	No. 6	32	3,300	38	1,158																
8	No. 9	12	3,744	27	6,041																
8	No. 14	23	4,500	28	6,200																
	Total	85	17,709	125	16,924																
13	Pittston Coal Mining Co.																				
	Huddleigh	1	1,340	9	611																



Table 4—Showing source of power, number and kinds of boilers, engines, locomotives, and electrical equipment in use, 1928—Continued

Operators and collieries	District	Power Supply	Power Plant						Haulage														
			Boilers		Engines				Number of horses and mules	Gasoline	Air	Steam	Electric battery	Electric									
			Cylindrical	Tubular	Number	Total horse power	Internal combustion engines (gas)	Number							Total kilowatts	Number	Electric motors except haulage						
<b>LUBERNE COUNTY—Cont'd.</b>																							
Plymouth Red Ash Coal Co.	12	Purchased		1	100							3	145	2									
T. P. Quinn Coal Co.	7	Purchased		4	500							7	200	0		1							
Consolidated Raub Coal Co.	10	Purchased		3	600							3	20	21		1		2					
Y-culme Bandy Run Coal Co.	15	Purchased		1	60							30	1,105	24		1							
Sandy Run Beranton Anthracite Coal Co.	7	Purchased		1	125							30	1,376	2				1					
Barnum Fleckaway	7	Purchased		1	125																		
<b>Total</b>				1	125									2				1					
<b>E. S. Stackhouse Coal Co.</b>																							
Salem	14	Purchased		1	15							2	450										
Sullivan & Flynn Coal Co.	11	Purchased		1	50																		
Sullivan & Flynn	9	Purchased																					
Suscon	14			2	500																		
Suscon	14			20	5,000																		
Susquehanna Collieries Co.	14			22	5,500																		
No. 6				1	20																		
No. 7				24	3,500																		
<b>Total</b>				25	3,500							5	100	5	100	22	17,852	149	0	19	10	57	
<b>Temple Coal Co.</b>																							
Harry E. Terry Coal Co.	9	Purchased		14	3,600							3	500						2				
Black Creek Washery	15	Purchased																					
<b>Total</b>				14	3,600																		5

Troy Coal Co.	9	Purchased	1	20	2	650	1,745	257,628	142	158	78,699	127	1,100	3,839	296,605	3,964	3	25	239	150	880
West End Coal Co.	14	Purchased			2					4	1,100	127							6	2	20
Wolf Collieries Co., Inc.	15	Purchased										6									
Wolf Mines												8									
Yatesville Coal Co.	9	Purchased										9									
Yatesville												9									
<b>Grand total</b>			15	2,284	643	164,697	1,745	257,628	9	142	158	78,699	3,839	296,605	3,964	3	25	239	150	880	
<b>NORTHUMBERLAND COUNTY</b>																					
Colonial Colliery Co.	23	Purchased			3	375						165				70			3	11	13
Colonial							5	355								45					
Excelsior Coal Co.	24				2	600														4	
Lehigh Valley Coal Co.	22	Purchased			7	2,100	19	4,700				57	715			25				5	12
Sayre					1	500	1	75				67	200			50				2	6
Northumberland Mining Co.	24	Purchased																			
Enterprise																					
Phila. & Reading Coal & Iron Co.	23				12	2,200	7	1,305								63				2	4
Alaska					17	2,125	12	3,981				43	1,280			40					10
Bear Valley	24	Purchased			20	2,500	13	2,796				26				70				3	7
Burnside	24	"			14	1,750	10	2,107				24				80				4	1
Henry Clay	24	"			15	4,075	22	7,628				28	4,780			100				7	7
Loquat Spring	23	Purchased			14	1,750	13	2,875				26				31				1	9
North Franklin	24	"			14	1,750	9	2,659				26	815			63				1	4
Reliance	23	"			105	16,150	85	22,585				118	6,775			481				14	42
<b>Total</b>																					
Shamokin Coal Co.	24	Purchased			1	250						53				13				3	
Nelson					3	450	1	100				16									
Shamokin Colliery Co.	23	Purchased			3	900	5	400													
Washey					3	900	5	400								11				1	
South Penn Collieries Co.	24																				
Katherine					2	400	1	150													
Stevens Chapin Coal Co.	23	Purchased			2	500	3	119													
Washey					2	500	3	119													
Susquehanna Collieries Co.	24	Purchased			2	500	3	217													
Cameron	24	"			2	500	3	217				46	312			62				1	6
Luke Fidler	24	"			1	300					3	614				62				3	4
Pennsylvania	23	"			1	150					3	1,195				69				4	11
Richards	23	"			1	150					2	555				84				4	7
Scott	23	"			8	2,000	46	5,289			4	1,420				60				1	7
<b>Total</b>			2	250	16	3,950	54	5,616			17	4,096				243				13	35
<b>Grand total</b>			2	250	144	25,075	174	35,951			24	11,706				905	1			44	18

Table 4—Showing source of power, number and kinds of boilers, engines, locomotives, and electrical equipment in use, 1928—Continued

Operators and collieries	District	Power Supply	Power Plant										Haulage							
			Boilers				Engines						Locomotives							
			Cylindrical		Tubular		Steam engines (all classes)		Internal combustion engines (gas)		Electric dynamos (all classes)		Electric motors except haulage		Number of horses and mules	Gasoline	Air	Steam	Electric battery	Electric
			Number	Total horse power	Number	Total horse power	Number	Total horse power	Number	Total horse power	Number	Total kilowatts	Number	Total horse power						
<b>SCHUYLKILL COUNTY</b>																				
Black Heath Coal Co.	19			1	120	2	80				3	400							4	
Buck Run Coal Co.	19	Purchased		3	900	1	30												40	
Buck Run Coal Co.	18	Purchased																	2	
Chestnut Hill	16	Purchased	1	30															10	
Doxe Brothers & Co., Inc. Oneida	16	Purchased						16	80										5	
East Bear Ridge Colliery Co.	23	Purchased								1	50								20	
East Bear Ridge	18	Purchased																	14	
Fraeville Coal Co.	18	Purchased																	7	
Lucanna	18	Purchased	1	150															323	
Gorman & Campion Coal Co. Bel	18	Purchased	1	75						1	25								8	
Haddock Mining Co.	16	Purchased	2	300															101	
Candlemas	18	Purchased																	5	
Salem Hill	18	"																	52	
<b>Total</b>			2	300						1	300								106	
Harleigh-Brookwood Coal Co. Lawrence	22	Purchased	3	700															49	
Thomas	21	"	3	250															38	
<b>Total</b>			4	950															87	



Table 4—Showing source of power, number and kinds of boilers, engines, locomotives, and electrical equipment in use, 1928—Concluded

Operators and collieries	Power plant										Haulage								
	District	Power supply	Boilers		Engines				Locomotives										
			Cylindrical		Tubular		Steam engines (all classes)		Electric dynamos (all classes)		Total horse power	Number	Total horse power	Number	Gasoline	Air	Steam	Electric battery	Electric
			Number	Total horse power	Number	Total horse power	Number	Total horse power	Number	Total kilowatts									
<b>SCHEFFEL COUNTY—Cont'd.</b>																			
<b>Phila. &amp; Reading Coal &amp; Iron Co.—Cont'd.</b>																			
	22	Purchased	12	1,623	14	4,955	4	3,000	53	4,735	49	4	5	1	7	1			
	25		10	2,960	13	2,550					85		3		2				
	21	Purchased	20	2,500	16	2,325	1	200	14	559	19		9		2				
	25		20	2,500	12	4,215	2	550			69								
	20	Purchased	18	2,250	12	1,840					54								
	20	"	40	5,000	33	8,530	1	200			74		9	2	2				
	25	"	5	625	1	425	2								3				
	20	Purchased	18	2,250	13	2,325	2	800			52				2				
	19	"	7	1,750	16	2,115	1	300	38	8,470	77			1					
	18	Purchased	4	500	2	540													
	19	Purchased	23	4,605	28	7,836	3	780	47	2,687	108			13	2				
	18	"	6	760	4	695	2	355	4	600	10			4					
	21	Purchased	25	3,100	17	3,185	1	300	20	901	69			6	2				
	18	Purchased	18	3,250	11	3,710	2	500	4	400	37				1				
	20	"	26	3,250	17	3,145					49			2					
	18	"	19	2,700	16	4,982	1	200	6	900	76			3	1				
	21		15	2,100	16	2,465	2	500	43	2,390	62			2	2				
		Total	233	53,980	286	71,510	27	13,730	272	21,692	1,139		30	67	3			113	
<b>Pine Hill Coal Co.</b>																			
	19	Purchased	3	1,000			2	400	64	5,233	60			4	1			5	
	19	"	4	3,000			3	600	49	6,407	58			1	1			8	
		Total	7	4,000			5	1,000	113	12,830	118			5	2			13	

Beppeler Coal Co.	19	Purchased	4	90	580	98,331	553	111,997	18	110	70	24,674	1,669	139,565	2,184	2	48	394	52	305
New Castle																				
Saint Clair Coal Co.	18	Purchased			5	675	3	856	1	5	2	1,000	67	5,365	24			15	4	8
Saint Clair																				
Sherman Coal Corp.	19	Purchased			1	117					1	50	32	1,440	6			1	3	2
South Penn. Collieries Co.	18	Purchased			1	210					2	300	13	650	79					
Randolph																				
Susquehanna Collieries Co.	21	Purchased			15	2,300	16	1,850												
Wm. Penn.																				
Grand total			4	90	580	98,331	553	111,997	18	110	70	24,674	1,669	139,565	2,184	2	48	394	52	305
<b>SULLIVAN COUNTY</b>																				
Connell Anthracite Mining Co.	10				7	1,900	7	1,450			4	730	14	225	7					14
Connell																				
Northern Anthracite Coal Co.	10				8	600	8	580			1	200	1	50	19					
Murray																				
Grand total					15	2,500	15	2,030			5	930	15	275	26					14
<b>SUSQUEHANNA COUNTY</b>																				
Hillside Coal & Iron Co.	1	Purchased			28	3,000	24	2,200			4	000	75	2,808	17				3	20
Forest City																				
Hudson Coal Co.	1																			
Clinton																				
Wayne																				
Wayne																				
Hillside Coal & Iron Co.	1																			
Forest City																				
Hudson Coal Co.	1				4	1,080	24	1,380			3	270	78	3,000	16	1			2	3
Clinton																				
Vandling Coal Co.	1	Purchased																		
Northeast																				
Grand total					4	1,080	24	1,380			3	270	79	3,060	18	1			2	3
Grand total all counties			32	3,529	1,788	536,278	3,197	460,065	29	477	206	196,739	9,431	694,183	9,663	11	61	607	253	2,106

1 See Wayne County.  
 \* See Susquehanna County.

Table 5—Operators and mines, type and size of fans, volume of air produced by fan per minute, number and capacity of pumps, 1928

Operators and collieries	District	Ventilation							Pumps			
		Name of fan	Type—disc or centrifugal	Diameter of fan in feet	Revolutions per minute	Water gauge developed—in inches	Power used	Cubic feet of air per minute produced by the ventilator	Total number	Total capacity in gallons per minute	Number	Pumps Delivering Water to Surface
<b>CARBON COUNTY</b>												
Caterline Colliery Co.	16											
Cokerline Washery												
Coxe Brothers & Co., Inc.	16	Clark	Disc	20	90	1.1	Steam	78,872	2	1,500	2	1,075
Beaver Meadow												
Evans Colliery Co.	16	Vulcan	Centrifugal	6	200	2.5	Electricity	50,000	1	1,800	1	1,800
Evans												
Lehigh Coal & Navigation Co.												
Coaldale	17	Jeffrey	Centrifugal	10	191	3.25	Electricity	230,000	10	10,000	2	4,500
Lansford	17	Sirocco	"	10	180	3.55	"	148,000	11	27,500	7	16,500
		Sirocco	"	10	205	2.80	"	62,000				
		Jeffrey	"	12	141	1.	"	202,000				
		American	"	9	169	2.5	"	170,139				
		Jeffrey	"	10	183	2.55	"	140,350				
		Jeffrey	"	10	195	3.75	"	246,000	4	9,750		
		Jeffrey	"	8	195	2.75	"	75,000				
		Connellsville	"	11	152	2.75	"	160,000				
									25	47,250	10	21,000
Lehigh Valley Coal Co.	16	Vulcan	Disc	7	160	.3	Electricity	37,645	5	2,650	1	750
Spring Brook												
Grand total									43	61,650	20	30,525

COLUMBIA COUNTY		22	Sirocco	Disc	8	187	1.	Electricity	75,000	2	3,000	2	3,000
Hazel Brook Coal Co.								Electricity					
Midvalley								Electricity	68,400	4	4,000	2	3,000
Lehigh Valley Coal Co.		22	Jeffrey	Centrifugal	7	148	2.	Electricity	50,750				
Centralia			Guibal	Disc	10	192	.5	"	29,670				
			Jeffrey	Centrifugal	7	315	1.	"	53,812				
			Guibal	"	12	100	.5	"					
Phila. & Reading Coal & Iron Co.		22	Guibal	Centrifugal	21	80	1.6	Steam	107,000	6	8,950	4	2,083
Pottis			Guibal	"	21	80	1.6	"	50,000				
			Jeffrey	"	6	190	.4	Electricity	68,000				
			Jeffrey	"	6	190	1.	"	55,000				
Grand total										12	15,950	8	8,083
DAUPHIN COUNTY													
Susquehanna Collieries Co.		25	Vulcan	Centrifugal	14	134	2.	Steam	130,740	22	20,448	8	7,035
Short Mountain			Sturtevant	"	4	270	1.2	Electricity	59,430				
			Sturtevant	"	5	240	1.8	"	16,400				
			Sturtevant	"	5	200	1.4	"	16,000				
			Sturtevant	"	10	180	2.3	"	23,220	21	20,507	5	9,215
Williamstown		25	Vulcan	"	10	150	.9	"	55,526				
			Vulcan	"	12	147	2.5	"	90,000				
			Sturtevant	"	9	185	1.0	"	47,000				
			Jeffrey	"	5	188	.6	"	17,300				
			Champion	"	2	100	.2	"	3,802				
			Jeffrey	"	5	204	.2	"	80,000				
			Stine	"	5	200	1.25	"	8,000				
			Buffalo	"	6	270	1.6	"	7,680				
Grand total										63	41,315	13	16,240
LACKAWANNA COUNTY													
Beardslee & Lewis Coal Co.		1						Natural	5,000	4	450	2	850
Stone Quarry													
Childs Coal Co.		2						Natural	8,000				
No. 1 Mine													
D. F. M. Co.		2						Natural					
No. 1 Mine													
Dunmore Anthracite Coal Co.		6						Natural		1	550		
Dunmore													



Table 5—Operators and mines, type and size of fans, volume of air produced by fan per minute, number and capacity of pumps, 1928—Continued

Operators and collieries	District	Ventilation						Pumps				
		Name of fan	Type—disc or centrifugal	Diameter of fan in feet	Revolutions per minute	Water gauge developed—in inches	Power used	Cubic feet of air per minute produced by the ventilator	Total number	Total capacity in gallons per minute	Number	Pumps Delivering Water to Surface Approximate number per minute
<b>WACKAWANNA COUNTY—Cont'd.</b>												
John Gibbons Coal Co.	5	Jeffrey	Disc	12	120	2.8	Electricity	222,500	2	400	1	150
Gen Alden Coal Co.	5	Vulcan	Centrifugal	16	90	1.5	"	535,105	8	6,000	3	6,000
Archibald	5	Jeffrey	"	19	85	2.	"		31	17,850		
Baker		Jeffrey	"	14	76	1.	"		19	21,850	6	13,800
Diamond	3	Danville	"	15	90	1.3	Steam	128,300				
		Jeffrey	"	15	90	1.6	"	189,000				
Hampton Plants	5	Connellsville	"	14	150	3.5	Electricity	400,000	11	22,000	5	4,500
		Connellsville	"	14	150	3.5	Steam	400,000				
Hyde Park	5	Guibal	"	35	63	1.	Electricity	91,800	28	23,450		
		Guibal	"	14	119	.9	"	84,000				
		Guibal	"	25	72	1.5	"	101,000				
		Guibal	"	24	70	2.	Steam	85,000				
		Guibal	"	24	60	2.	"	100,125				
Pyne	4	Guibal	"	24	72	2.1	"	205,400	26	12,050	2	2,950
Storrs	5	Finch	"	25	76	2.5	"	200,000	20	20,700	3	10,500
		Vulcan	"	12	123	2.2	Electricity	100,000				
		Jeffrey	"	25	90	1.2	Steam	181,630				
		Guibal	"	25	84	2.4	"	180,000				
		Jeffrey	Disc	18	84	2.	Electricity	172,000				
Taylor	4	Jeffrey	Centrifugal	17	90	1.8	"	300,000	24	24,900	5	16,800
		Guibal	"	25	60	1.3	Steam	144,000				
<b>Total</b>									107	154,800	24	64,400

Glendale Anthracite Collieries Glendale	1	Guibal	Centrifugal	14	118	1.5	Electricity	95,000	14	9,050	3	5,206
Green Ridge Coal Co. Green Ridge	4	Guibal	"	16	100	2.	"	70,000				
Grove Hill Coal Co. Grove Hill	6	Jeffrey	Disc	6	250	.9	Electricity	19,500	1	75		
Lackawanna Hillside Coal & Iron Co.	3						Natural	31,500				
Forest City Hudson Coal Co.	1											
Clinton Coal Brook	2	Sturtevant	Centrifugal	6	110	.5	Electricity	16,870	59	20,945	5	3,550
		Jeffrey	"	14	120	2.	"	108,000				
		Guibal	"	20	95	1.5	"	144,500				
		Guibal	"	17	100	1.4	"	67,700				
Eddy Creek	3	Allis Chalmers	"	28	75	3.0	Steam	244,300	38	25,790	8	4,988
		Vulcan	"	14	122	2.2	"	100,000				
		Guibal	"	22	96	2.2	"	148,700				
		Jeffrey	"	14	110	2.8	"	136,965				
Gravity Slope	2	Guibal	"	20	88	1.2	Electricity	125,450	20	11,620	2	2,160
		Guibal	"	17	117	1.5	"	95,500				
Greenwood	5	Vulcan	"	10	68	.9	"	43,000	30	27,335	4	2,725
		Guibal	"	17	75	.5	"	14,470				
		Guibal	"	17	91	1.	"	68,534	27	27,740	9	7,530
Jermyn	3	Guibal	"	21	92	1.8	"	128,005	63	30,635	3	3,161
		Guibal	"	25	75	.8	Steam	62,010				
Marvine	3	Guibal	"	25	65	2.5	"	89,540				
		Guibal	"	22	79	1.8	"	194,475				
		Guibal	"	22	75	2.	"	90,740				
		Guibal	"	20	88	2.4	Electricity	109,970				
		Guibal	"	20	88	1.7	"	142,685				
Olyphant	6	Guibal	"	20	90	2.4	Steam	96,540	64	31,175	5	712
		Jeffrey	"	20	85	3.3	"	207,300				
		Guibal	"	28	56	3.1	"	221,545				
Powderly	2	Buffalo	"	7	200	1.2	"	8,078	20	24,225	6	5,223
		Buffalo	"	10	160	1.6	Electricity	91,000				
		Vulcan	"	10	108	1.6	"	54,590				
Total									315	215,265	44	29,909
Humbert Coal Co. Sunnyside	1	Guibal	Centrifugal	6	250	.5	Electricity	22,000	4	1,500	1	500
Jermyn & Co. Jermyn	4	Guibal	Centrifugal	14	90	1.1	Steam	72,300	17	11,000	2	5,400
		Guibal	"	18	55	1.	Electricity	65,000				
		Guibal	"	18	60	1.1	"	75,000				
Lackawanna Anthracite Mining Co. Richmondale	1						Natural					

Table 5—Operators and mines, type and size of fans, volume of air produced by fan per minute, number and capacity of pumps, 1928—Continued

Operators and collieries	District	Ventilation						Pumps				
		Name of fan	Type—disc or centrifugal	Diameter of fan in feet	Revolutions per minute	Water gauge developed—in inches	Power used	Cubic feet of air per minute produced by the ventilator	Total number	Total capacity in gallons per minute	Number	Pumps Delivering Water to Surface
<b>LACKAWANNA COUNTY—Cont'd.</b>												
Lackawanna Coal Co., Ltd.	6	Guibal	Centrifugal	20	80	1.6	Steam	81,300	11	18,000	7	11,000
Lackawanna		Guibal	"	20	80	2.3	"	57,500	1	600		
Lackawanna Valley Fuel Co.	2											
Glenwood Washery	1											
Old Buffalo	1											
Langeliff Collieries Inc.	1	Cross	Centrifugal	6	387	1.	Electricity	52,000	6	1,000	1	800
Boland	2	Stine	"	6	275	1.5	"	25,000	17	1,500		
Tappans	5	Stine	"	5	475	1.5	"	26,000				
Total.									23	9,150	1	500
Lehigh Valley Coal Co.	7	Jeffrey	Disc	8	100	1.2	Electricity	55,900	6	1,000	8	600
Broadwell												
Lincoln Coal Co.	2	Jeffrey	Centrifugal	5	450	.8	Electricity	18,000	8	200		
Oak Run												
Meadowside Coal Co.	6											
Meadowside												
Mid-City Coal Co.	3											
Bulls Head												
Mine Run Coal Co.	1											
Devil's Eyebrow												
Moffat Coal Co.	5											
Moffat												
Murrin Coal Co.	1											
Fallbrook												

Company	Count	Machine	Speed	Weight	Power	Material	Value	Count	Value
Namurs Coal Co.	5	Guibal	75	16	Centrifugal	Natural	50,000	8	2,700
Namurs	2	Guibal	400	5	"	Electricity	26,000	1	2,500
Pennsylvania Coal Co.	6	Guibal	130	10	"	"	90,000	21	6,600
Erie	6	Guibal	70	20	"	"	42,000		
No. 1	4	Guibal	135	18	"	Steam	74,000		
	4	Guibal	72	20	"	"	82,120	16	4,400
No. 5	4	Guibal	70	10	"	Electricity	19,650	6	11,000
Old Forge	4	Guibal	52	20	"	Electricity	99,700		
	4	Guibal	55	14	"	"	82,325		
	6	Guibal	70	20	"	"	100,000		
	6	Guibal	149	8	"	"	81,000	34	14,116
Underwood	6	Guibal	135	14	"	Steam	105,000		
	6	Guibal	100	10	"	"	277,900		
	6	Guibal	148	10	"	"	144,000		
Total								110	49,988
Price-Pancoast Coal Co.	4	Jeffrey	126	14	Centrifugal	Electricity	228,350	28	24,700
Pancoast	4	Jeffrey	90	20	Disc	Steam	Emergency		
	4	Guibal	70	14	Centrifugal	Electricity	50,000		
	4	Jeffrey	152	8	"	"	99,500		
Public Service Coal Co.	6					Natural			
Marshwood	1	Jeffrey	170	10	Disc	Electricity	100,000	10	2,000
Packet Brook Coal Co.	1	Jeffrey	180	6	"	"	60,000		
Packet Brook	7					Natural		1	500
Raub Coal Co.	4					Natural			
Austin Tunnel	4	Guibal	80	20	Centrifugal	Steam	102,640	12	6,000
Roaring Brook Coal Co.	4	Robinson	274	5	Disc	Electricity	32,850	2	2,400
Roaring Brook	4	Guibal	55	20	Centrifugal	Steam		10	3,900
Serenton Coal Co.	4	Guibal	52	20	"	"	142,690	13	8,400
Capouse	4	Guibal	87	20	"	"	88,240		
	4	Guibal	90	14	"	Electricity	68,480		
Johnson	4	Robinson	264	5	Disc	"	42,800		
Mt. Pleasant	2	Guibal	104	17	Centrifugal	Steam	232,490	18	7,600
Ontario	2	Guibal	80	13	"	"	99,400	14	6,455
Pine Brook	4	Guibal	85	14	"	Electricity	86,000		
Raymond	4	Guibal	38	20	"	Steam	30,480	2	1,200
Richmond No. 3	4	Guibal	38	20	"	"		2	600

Table 5—Operators and mines, type and size of fans, volume of air produced by fan per minute, number and capacity of pumps, 1928—Continued

Operators and collieries	District	Ventilation						Pumps				
		Name of fan	Type—disc or centrifugal	Diameter of fan in feet	Revolutions per minute	Water gauge developed—inches	Power used	Cubic feet of air per minute produced by the ventilator	Total number	Total capacity in gallons per minute	Number	Pumps Delivering Water to Surface Approximate number of gallons per minute
<b>LACKAWANNA COUNTY—Cont'd.</b>												
Stranton Coal Co.—Cont'd.	2	Guibal	Centrifugal	20	87	1.5	Steam	90,200	18	10,400	4	5,100
Riverside		Robinson	Disc	5	275	.9	Electricity	31,000				
West Ridge	3						Natural		87	44,018	17	20,200
Total												
South Penn Collieries Co.	3	Guibal	Centrifugal	20	30	2.	Steam	125,000	13	21,700	6	14,750
Legitts Creek		Guibal	"	22	72	1.8	"	181,000				
Spencer Coal Co.	6						Natural	88,000	3	1,000	1	50
Spencer												
Temple Coal Co.	1	Guibal	Centrifugal	16	70	.3	Steam	29,100	9	2,200	3	1,800
Northwest	2	Guibal	"	20	75	.6	"	160,100	23	17,040	4	6,200
Sterrick Creek		Guibal	"	25	65	.4	"	100,100				
		Guibal	"	10	175	.3	"	27,900				
Total									32	19,240	7	7,500
Throop Coal Co.	6	Jeffrey	Centrifugal	2	1,800		Electricity	4,000				
Orippen												
West Jermyn Coal Co.	2						Natural	10,000				
West Jermyn												
Grand total									853	573,364	141	181,302

<sup>1</sup> See Susquehanna County.  
<sup>2</sup> See Wayne County.

### LUCERNE COUNTY

Alden Coal Co.												
Alden	14	Guibal	Centrifugal	24	70	2.4	Electricity	79,600	12	3,600	4	1,900
		Vulcan	"	12	130	2.5	"	149,000				
		Vulcan	"	7	170	1.3	"	62,000				
Buck Mountain Coal Mining Co.												
Gowen	15								12	8,600	1	1,000
John Conlon Coal Co.												
Conlon	10	Stine	Disc	3	300		Electricity	32,000	1	400	1	400
Madelra	10	Jeffrey	Centrifugal	12	120	1.2	"	115,000	4	2,800	2	1,800
Total									6	6,300	3	2,200
Coxe Brothers & Co., Inc.												
Deringer & Tombacken												
	15	Guibal	Centrifugal	8	180	.5	Electricity	84,600	8	6,700	5	6,100
		Jeffrey	"	5	153	2.	"	23,042	4	1,760	3	1,600
		Guibal	"	15	50	.9	"	80,376				
	35	Guibal	"	20	70	.2	"	151,000	11	11,200	6	9,500
		Jeffrey	"	8	140	.9	"	100,000				
		Jeffrey	"	7	164	1.1	"	34,475				
	15	Straltfo	"	7	290	.5	Natural	27,469	6	2,500	4	3,050
Total									28	22,940	18	20,250
S. M. Cranston												
Cranston	5	Buffalo	Centrifugal	4	400	1.	Electricity	10,800	1	170	1	170
Phariss M. Dodson & Co.												
Beaver Brook	16	Champion Blower	Centrifugal	2	1,750	4.3	Electricity	4,000	9	22,000	6	9,950
East Alden Mining Co.												
East Alden	14						Natural					
East Boston Coal Co.												
East Boston	10	Guibal	Centrifugal	25	65	1.4	Steam	105,000	23	8,324	3	4,500
Fox Hill Mining Co.												
Fox Hill	10	Champion Blower	Centrifugal	8	55	1.05	Electricity	20,000	9	78	1	57
Glen Alden Coal Co.												
Auchinloss	14						Steam	291,000	3	900	2	600
		Guibal	Centrifugal	25	70	2.5	"	Emergency				
		Guibal	"	12	143	2.4	Electricity	341,000				
		Vulcan	"	26	60	1.8	Electricity					
		Dickson	"	14	120	2.8	Electricity					
		Vulcan	"	25	80	2.8	Steam	225,000	23	19,750	7	9,500
		Jeffrey	"	8	214	2.8	Electricity					
		Guibal	"	25	52	2.5	Steam	500,000				
		Jeffrey	"	14	100	2.5	Electricity	500,000	21	12,700	4	5,000
		Vulcan	"	17	105	3.1	Steam	145,000				
	7	Exhaust	Disc	12	173	1.8	Electricity	103,368	15	20,950	4	15,600

Table 5—Operators and mines, type and size of fans, volume of air produced by fan per minute, number and capacity of pumps, 1928—Continued

Operators and collieries	District	Ventilation						Pumps					
		Name of fan	Type—disc or centrifugal	Diameter of fan in feet	Revolutions per minute	Water gauge developed—inches	Power used	Cubic feet of air per minute produced by the ventilator	Total number	Total capacity in gallons per minute	Number	Pumps Delivering Water to Surface	
												Approximate number of gallons per minute	
LUBERNE COUNTY—Cont'd. Glen Alden Coal Co.—Cont'd. Loomis	13	Vulcan	Centrifugal	20	85	3.	Steam	230,000	14	16,000	3	700	
		Vulcan	"	20	85	2.5	"	150,000					
		Vulcan	"	12	160	3.	Electricity	139,000					
		Vulcan	"	12	160	3.	"	87,600					
	Loomis Power Plant Pettebone	10	Dickson	"	25	52	2.6	Steam	235,000	15	9,200	5	5,160
			Dickson	"	20	90		Electricity	Emergency				
		13	Sturtevant	"	16	76	1.6	"	250,000				
			Sturtevant	"	16	76		Steam	Emergency				
			Gulbal	"	25	80	2.5	"	153,300	66	37,000	16	15,280
			Gulbal	"	25	80	2.5	"	197,700				
Jeffrey			"	16	105	2.5	"	229,500					
Vulcan			"	16	100	2.5	"						
Woodward	12	Gulbal	"	25	80	2.5	"	116,800					
		Open Type	"	12	125	1.	Electricity	84,700					
		Open Type	"	12	125	.8	"	57,000					
		Vulcan	"	12	80	.8	"	90,315					
		D. L. & W.	Disc	23	90	3.7	Steam	144,700	41	26,100	3	3,700	
		Jeffrey	"	20	93	2.5	"	163,300					
		Jeffrey	"	20	90	4.	Electricity	271,495					
		Dickson	"	20	103	3.2	"	278,163					
		Dickson	"	25	47	3.	Steam						
		Jeffrey	"	20	70	2.2	"	66,000					
Total							238	277,760	44	53,540			

Grand Tunnel Coal Co.	13	Jeffrey	Centrifugal	8	90	2.	Electricity	85,000	5	8,000	3	8,000
West Nanticoke	10	Guibal	Centrifugal	20	100	2.	Electricity	80,000	9	4,000	2	2,150
Haddock Mining Co.	9	Kinta					Natural	9,250	4	1,125	2	675
Black Diamond	15	Hazle Brook Coal Co.							4	1,500	2	1,500
Harris-Denly Coal Co.	15	Upper Lehigh							20	2,500	8	9,500
<b>Total</b>									14	11,000	10	11,000
Hillside Coal & Iron Co.	7	Guibal	Centrifugal	12	140	2.	Steam	73,550	41	7,000	7	2,700
Butler		Guibal	"	12	140	2.	Electricity	40,000				
		Guibal	"	14	95	2.	"	95,000				
		Guibal	"	14	95	2.	"	17,000				
		Guibal	"	16	80	1.	Steam	15,000				
		Guibal	"	20	50	.8	Electricity	69,550				
Hudson Coal Co.	11	Guibal	"	20	70	1.2	"	150,805	72	43,820	6	2,948
Baltimore No. 5		Guibal	"	20	95	2.9	Steam	90,120				
		Guibal	"	20	64	2.4	"	54,845				
		Guibal	"	22	80	1.6	Electricity	46,000				
		Guibal	"	20	50	.7	"	33,000				
		Jeffrey	"	17	98	2.9	Steam	114,640				
		Jeffrey	"	20	74	2.3	"	102,498				
		Guibal	"	5	200	1.4	Electricity	50,000	22	17,700	4	1,514
Lafin	7	Jeffrey	"	5	200	1.2	Electricity	51,200				
		Guibal	"	23	70	3.1	Steam	107,989	45	41,700	8	4,440
Loree No. 1-Boston	12	Guibal	"	22	80	2.	"	242,961				
		Guibal	"	22	82	1.75	"	118,141				
		Guibal	"	17	105	3.2	"	176,390				
		Buffalo	"	7	87	.1	Electricity	11,000				
		Guibal	"	17	85	1.2	Steam	129,700				
		Guibal	"	22	70	2.	"	146,510				
Pine Ridge	10	Guibal	"	12	140	2.7	Electricity	132,700	45	33,550	5	3,851
		Guibal	"	22	75	1.7	Steam	33,700				
		Guibal	"	28	69	2.	"	177,000				
		Guibal	"	28	64	3.1	Electricity	192,100				
<b>Total</b>									184	136,700	23	12,551
Jeddo-Highland Coal Co.	15	Guibal	Centrifugal	16	65	.6	Steam	54,000	19	11,000	7	9,200
Highland No. 2		Guibal	"	16	60	.7	Electricity	60,000				
		Guibal	"	16	95	1.5	Steam	89,567	6	5,000	1	1,500
Highland No. 5	15	Sturtevant	"	7	100	1.	"	27,020				



Table 5—Operators and mines, type and size of fans, volume of air produced by fan per minute, number and capacity of pumps, 1928—Continued

Operators and collieries	District	Ventilation						Pumps				
		Name of fan	Type—disc or centrifugal	Diameter of fan in feet	Revolutions per minute	Water gauge developed—in inches	Power used	Cubic feet of air per minute produced by the ventilator	Total number	Total capacity in gallons per minute	Number	Pumps Delivering Water to Surface
<b>LUERN COUNTY—Cont'd.</b>												
Jeddo-Highland Coal Co.—Cont'd.												
Jeddo No. 4	15	Guibal	Centrifugal	16	78	1.75	Steam	55,300	11	7,800	1	2,100
		Guibal	"	25	85	2.75	"	121,000				
		Guibal	"	16	75	1.	"	63,000				
		Jeffrey	"	8	110	.9	Electricity	68,000				
Jeddo No. 7	15	Sturtevant	"	5	150	.3	Steam	31,000	0	3,000	1	1,000
Total									43	28,000	10	13,800
Kingston Coal Co.												
Gaylord	13	Guibal	Disc	25	55	1.	Steam	128,000	4	1,800		
Kingston No. 3	13	Guibal	"	25	65	1.5	"	212,000	0	1,800		
		Guibal	"	21	70	1.5	"					
		Tuibo	Centrifugal	3	870		Electricity	15,000				
Kingston No. 4	9	Guibal	"	35	75	2.2	Steam	224,000	13	10,500	6	6,250
		Guibal	"	25	50	2.5	"					
		Buffalo	Disc	25	75	2.5	Electricity	Emergency				
		Guibal	Centrifugal	25	80	2.5	Steam	235,000				
		Guibal	"	25	80	2.5	"					
		Buffalo	Disc	25	75	2.5	Electricity	Emergency				
Total									22	13,000	6	6,250
Langciffe Collieries Inc.												
Avoca	7						Natural	46,900	9	8,800	3	3,200
George F. Lee Coal Co.							Electricity	57,000	5	5,400	3	2,300
Chauncey	13	Jeffrey	Centrifugal	4	345	1.						

Company	No.	Shaft	Machine	Speed	Power	Capacity	Notes
Lehigh Coal Co. Hask Mountain No. 5 Lehigh Coal & Navigation Co. Cranberry	15	Jeffrey	Centrifugal	2	580	14,000	1
	16	Jeffrey	Centrifugal	2	580	15,700	1
	16	Guibal	Electricity	16	68	42,741	400
	16	Guibal	Electricity	16	63	65,500	1
Lehigh Valley Coal Co. Dorranos	11	Jeffrey	Centrifugal	5	130	80,850	15
	11	Guibal	Centrifugal	35	49	180,022	1
	9	Guibal	Steam	28	63	146,000	Emergency
	9	Guibal	Steam	30	63	144,803	Emergency
Exeter	11	Guibal	Steam	20	75	96,600	4
	11	Guibal	Steam	20	75	124,800	
	11	Guibal	Steam	20	75	110,400	
	11	Guibal	Steam	20	90	124,000	3
Hazleton No. 1	15	Jeffrey	Steam	16	90	75,000	
	15	Jeffrey	Steam	16	65	53,648	2
	15	L. V. Standard	Steam	20	65	25,870	7,000
	15	L. V. Standard	Steam	20	65	53,407	2
Hazleton Shaft & Stockton	15	Guibal	Electricity	20	43	27,000	5
	15	Guibal	Steam	20	60	39,351	19,350
	15	Jeffrey	Electricity	8	122	1,673	
	15	Jeffrey	Electricity	8	122	5,148	
Heddelberg Maltby	7	Guibal	Steam	20	65	34,040	
	9	Guibal	Electricity	8	156	14,828	
	9	Guibal	Electricity	20	43	10,913	
	9	Guibal	Electricity	20	43	67,983	5
Mineral Spring	7	Jeffrey	Disc	7	185	107,000	2
	9	Jeffrey	Centrifugal	8	200		14,800
	9	Guibal	Centrifugal	25	78		6,800
	9	Guibal	Centrifugal	25	78		
Prospect	10	Jeffrey	Disc	8	128	120,000	3
	10	Guibal	Centrifugal	20	68	115,800	10,600
	10	Guibal	Centrifugal	20	65	115,800	3
	10	Guibal	Centrifugal	20	65	28,000	
Prospect (Henry)	9	Guibal	Centrifugal	12	100	90,100	3
	9	Guibal	Centrifugal	12	72		6,700
	9	Guibal	Centrifugal	15	75		2,600
	9	Guibal	Centrifugal	15	75	163,150	
Seneca	10	Guibal	Centrifugal	30	55	100,650	
	10	Guibal	Centrifugal	30	55		Emergency
	10	Guibal	Centrifugal	30	53	90,875	3
	10	Guibal	Centrifugal	28	45	79,972	3
Seneca	7	Guibal	Centrifugal	25	50	102,480	
	7	Guibal	Centrifugal	25	50	91,200	
	7	Guibal	Centrifugal	24	74	119,250	10
	7	Guibal	Centrifugal	12	120	70,600	16,500

Table 5—Operators and mines, type and size of fans, volume of air produced by fan per minute, number and capacity of pumps, 1928—Continued

Operators and collieries	District	Ventilation						Pumps				
		Name of fan	Type—disc or centrifugal	Diameter of fan in feet	Revolutions per minute	Water gauge developed—in inches	Power used	Cubic feet of air per minute produced by the ventilator	Total number	Total capacity in gallons per minute	Number	Pumps Delivering Water to Surface
<b>LUSHER COUNTY—Cont'd.</b>												
Lehigh Valley Coal Co., Cont'd.	16	Guibal	Centrifugal	20	75	.5	Steam	57,526	7	3,243	2	1,350
Spring Mountain	13	Guibal	"	20	56	1.2	"	100,000				
Warrior Run		Guibal	"	14	75	1.2	"	32,000				
Westmoreland	9	Guibal	"	20	78	1.8	"	116,000				
William A.	7	Jeffrey	Disc	8	106	.6	Electricity	42,535	13	3,900	3	2,000
		Jeffrey	"	6	390	.5	"	19,137				
		Jeffrey	"	6	390	.5	"	15,881				
		Jeffrey	"	4	390	.3	"	6,851				
<b>Total</b>									290	125,633	29	69,300
<b>Lehigh &amp; Wilkes-Barre Coal Co.</b>												
Buttonwood No. 22	15	Jeffrey	Centrifugal	12	100	1.5	Steam	Emergency	17	10,104	4	2,848
		Jeffrey	"	12	100	1.5	"	145,100				
		Guibal	"	24	73	1.9	"	Emergency				
		Guibal	"	25	45	1.9	"	156,000				
		Vulcan	"	6	130	.015	Electricity	26,450				
Hollenbeck No. 2	11	Guibal	"	35	45	2.	Steam	168,790	14	5,506	1	1,091
		Guibal	"	24	72	1.5	"	Emergency				
		Guibal	"	33	43	1.8	"	Emergency				
		Guibal	"	28	43	2.	"	122,840				
		Jeffrey	"	3	124	1.	Electricity	17,460				
Lanceo No. 11	12	Jeffrey	"	16	100	2.2	Steam	300,300	19	8,179	3	1,673
		Jeffrey	"	16	100	2.2	"	Emergency				
Maxwell No. 20	13	Guibal	"	24	72	1.9	"	Emergency	11	7,188	4	1,812
		Guibal	"	24	72	1.9	"	201,790				
		Guibal	"	25	43	1.4	"	102,870				
		Guibal	"	25	43	1.4	"	Emergency				

Nottingham No. 16	12	Guibal	24	73	1.9	Electricity	105,185	24	13,039	3	3,794
		Guibal	24	73	1.9	Electricity	Emergency				
		Guibal	16	106	2.5	Electricity	150,700				
		Vulcan	16	106	2.5	Air	Emergency				
		Jeffrey	8	120	.5	Electricity	65,000				
So. Wilkes-Barre No. 5	11	Guibal	35	43	1.7	Steam	186,100	11	4,640	2	399
		Guibal	35	43	1.7	"	Emergency				
		Guibal	35	43	1.7	"	183,600				
		Guibal	35	43	1.7	"	Emergency				
Stanton No. 7	11	Vulcan	14	90	1.3	Electricity	343,945	22	10,534	4	2,372
		Vulcan	14	90	1.3	Air	Emergency				
		Vulcan	14	90	1.3	Steam	282,700				
		Vulcan	14	90	1.7	"	Emergency				
Sugar Notch No. 9	13	Jeffrey	16	92	2.	"	213,500	20	8,678	4	1,563
		Jeffrey	16	92	2.	"	Emergency				
		Jeffrey	16	92	2.	"	80,000				
		Jeffrey	16	92	2.	"	Emergency				
Wanamie No. 18	14	Guibal	24	70	1.8	Electricity	107,820	13	8,124	4	1,396
		Guibal	16	92	2.2	Steam	127,000				
		Jeffrey	16	115	1.6	Electricity	83,000				
		Jeffrey	16	112	1.5	"	131,700				
Total			151	76,601	20						17,053
Lehigh-Wyoming Valley Coal Co.	7	Stine	6	360	1.6	Electricity	49,530	1	1,200	1	1,290
Florence											
Miners Mills Coal Mining Co.	10					Natural	03,000	2	200	1	100
Miners Mills											
Mt. Lookout Coal Co.	9	Guibal	20	70	2.	Steam	105,200	31	18,000	2	3,000
Mt. Lookout		Guibal	20	80	2.3	"	62,310				
Pardee Brothers & Co., Inc.	16	Champion Blower	2	1,750	.3	Electricity	4,000	15	12,550	6	9,950
Beaver Brook		Stine	6	335	1.	"	60,000				
		Sturtevant	2	468	.1	"	20,000				
		Stine	8	335	1.	"	29,400	5	7,300	2	2,300
		Sturtevant	6	195	.4	"					
		Stine	6	450	1.	"	11,250				
		Stine	6	446	.6	"	23,900				
		Stine	6	450	.8	"	30,595				
		Sturtevant	6	194	1.	"	20,600				
		Sturtevant	6	205	.4	"					
		Sturtevant	6	223	.4	"	28,700				
		Sturtevant	4	180	.3	Air	9,400				
Total			20	19,650	8						12,550

Table 5—Operators and mines, type and size of fans, volume of air produced by fan per minute, number and capacity of pumps, 1928—Continued

Operators and collieries	District	Ventilation							Pumps			
		Name of fan	Type—disc or centrifugal	Diameter of fan in feet	Revolutions per minute	Water gauge developed—in inches	Power used	Cubic feet of air per minute produced by the ventilator	Total number	Total capacity in gallons per minute	Number	Pumps Dr. lifting Water to Surface
LUZERNE COUNTY—Cont'd. Pennsylvania Coal Co.	7	Galbal	Centrifugal	20	50	.5	Steam	106,800	28	51,050	12	14,400
		Galbal	"	18	40	.8	Electricity	38,400				
		Galbal	"	20	60	.6	Steam	67,600				
		Galbal	"	14	90	1.8	"	115,140	43	20,460	6	15,800
	Ewen	Galbal	"	14	98	1.6	"	92,625				
		Galbal	"	20	60	.8	"	51,162				
		Galbal	"	10	157	2.	Electricity	116,285				
		Galbal	"	20	70	1.2	Steam	47,850				
	No. 6	Galbal	"	20	70	1.1	Steam	117,190	26	9,950	1	2,500
		Galbal	"	20	70	1.	"	145,475				
		Galbal	"	20	75	1.1	"	136,100				
		Galbal	"	20	68	1.5	"	17,390				
No. 9	Galbal	"	20	70	1.5	"	49,560	45	28,978	9	17,200	
	Galbal	"	10	125	2.	Electricity	13,750					
	Galbal	"	20	60	1.	Steam	8,800					
	Galbal	"	20	59	1.	"	134,500					
No. 14	Galbal	"	20	64	1.1	"	47,755					
	Galbal	"	10	135	2.	Electricity	68,000					
	Galbal	"	20	64	1.1	Steam	67,115					
	Galbal	"	20	55	.5	"	48,300	53	33,050	6	7,800	
	Galbal	"	14	120	2.	Electricity	168,290					
	Galbal	"	20	70	1.5	Steam	63,300					
	Galbal	"	20	70	.9	"	97,360					
	Galbal	"	17	70	.8	"	17,790					
		Galbal	"	20	65	.8	"	7,595				
		Galbal	"	17	56	.7	Electricity	45,900				

Company	No.	Shaft	Power	Capacity	Equipment	Method	Cost	Value	Product	Notes
<b>Total</b>							195	112,888	34	57,700
Pittston Coal Mining Co.	18	Guibal			Centrifugal	Steam	11	6,700	2	1,900
Hadleigh										
Plymouth Red Ash Coal Co.	12	Red Ash				Natural	1	126		
T. F. Quinn Coal Co.	7	Consolidated				Natural				
Baub Coal Co.	10	Louise				Natural	4	2,600	1	1,000
Sandy Run Coal Co.	15	Sandy Run				Natural	7	8,250	1	1,000
Scranlon Anthracite Coal Co.	7	Barnum			Disc	Electricity	3	210	1	70
Fickaway	7	Guibal			Centrifugal	"				
E. S. Stackhouse Coal Co.	14	Salem				Natural	8	1,250	8	1,000
Sullivan & Flynn Coal Co.	11	Own Make			Disc	Electricity	1	300	1	300
Sullivan & Flyna										
Suseon Coal Co.	9	Sturtevant			Centrifugal	Electricity	1	100	1	100
Suseon										
Susquehanna Collieries Co.	24	Sturtevant			Centrifugal	Electricity	39	26,685	16	20,735
No. 6		Jeffrey	180	1.2	"	"				
		Yulean	150	1.8	"	"				
		Connellsville	140	2.	"	"				
		Guibal	170	1.8	"	"				
		Guibal	70	1.6	"	"				
		Guibal	72	2.1	"	Steam	48	15,400	4	7,600
		Guibal	60	1.6	"	"				
		Guibal	64	2.	"	"				
		Guibal	80	1.8	"	Electricity				
		Jeffrey	90	2.4	"	Steam				
		Copal	216	3.2	"	Electricity				
		Yulean	195	3.9	"	Steam				
		Sturtevant	240	.2	"	Electricity				
		Connellsville	170	1.3	"	"				
<b>Total</b>							81	42,055	20	28,305
Temple Coal Co.	9	Guibal			Centrifugal	Steam	53	26,935	6	8,550
Harry E.		Guibal	75	2.	"	"				
		Guibal	95	2.5	"	"				
		Guibal	90	2.3	"	"				
Terry Coal Co.	33	Black Creek			Washery		2	600		

Table 5—Operators and mines, type and size of fans, volume of air produced by fan per minute, number and capacity of pumps, 1928—Continued

Operators and collieries	District	Ventilation						Pumps				
		Name of fan	Type—disc or centrifugal	Diameter of fan in feet	Revolutions per minute	Water gauge developed—in inches	Power used	Cubic feet of air per minute produced by the ventilator	Total number	Total capacity in gallons per minute	Number	Pumps Delivering Water to Surface
<b>LUZERNE COUNTY—Cont'd.</b>												
Troy Coal Co.	9											
West End	14	Guibal	Centrifugal	15	130	1.2	Natural	23,500	2	600	2	600
		Jeffrey	"	8	180	1.2	Electricity	75,000	32	24,550	9	21,000
		Jeffrey	"	4	600	.5	"	14,500				
		American Blower	Disc	4	500	.6	"	12,500				
		Buffalo	"	4	550	.5	"	13,000				
		Jeffrey	Centrifugal	10	380	1.3	"	21,000				
Wolf Collieries Co., Inc.	15	Guibal	Centrifugal	8	1,100	.8	Electricity	8,000	6	3,000	4	3,000
Wolf												
Yatesville Coal Co.	9	Sturtevant	Centrifugal	6	250	1.	Electricity	28,500	3	225	1	75
Yatesville												
Grand total									1,893	1,070,459	395	411,436
<b>NORTHUMBERLAND COUNTY</b>												
Colonial Colliery Co.	23	Jeffrey	Centrifugal	6	250	2.5	Electricity	60,000	33	48,168	5	11,500
Colonial		Vulcan	"	12	150	2.5	"	100,000				
		Mullen	"	21	80	2.	"	80,000				
		Mullen	"	12	80	1.5	"	65,000				
		Sturtevant	"	8	100	2.5	"	50,000				
		Jeffrey	"	8	100	1.5	"	40,000				
		Sturtevant	"	6	365	.8	"	25,000				

Company	24	22	24	23	24	24	24	23	24	24	Total	Shamokin Coal Co. Neilson	Shamokin Colliery Co. Wabary	South Penn Collieries Co. Katharine
Excelsior Coal Co. Corbin	24	22	24	23	24	24	24	23	24	24		24	25	24
Lehigh Valley Coal Co. Sayre	24	22	24	23	24	24	24	23	24	24		24	25	24
Northumberland Mining Co. Enterprise	24	22	24	23	24	24	24	23	24	24		24	25	24
Phila. & Reading Coal & Iron Co. Alaska	24	22	24	23	24	24	24	23	24	24		24	25	24
Bear Valley	24	22	24	23	24	24	24	23	24	24		24	25	24
Burnside	24	22	24	23	24	24	24	23	24	24		24	25	24
Henry Olvy	24	22	24	23	24	24	24	23	24	24		24	25	24
Locust Spring	24	22	24	23	24	24	24	23	24	24		24	25	24
North Franklin	24	22	24	23	24	24	24	23	24	24		24	25	24
<b>Total</b>	60	57,543	37	59,150	5	4,250	2	2,000	5	4,700	1	400	1	400
Shamokin Coal Co. Neilson	24	22	24	23	24	24	24	23	24	24		24	25	24
Shamokin Colliery Co. Wabary	24	22	24	23	24	24	24	23	24	24		24	25	24
South Penn Collieries Co. Katharine	24	22	24	23	24	24	24	23	24	24		24	25	24



Table 5—Operators and mines, type and size of fans, volume of air produced by fan per minute, number and capacity of pumps, 1928—Continued

Operators and collieries	District	Ventilation						Pumps				
		Name of fan	Type—disc or centrifugal	Diameter of fan in feet	Revolutions per minute	Water gauge developed—in inches	Power used	Cubic feet of air per minute produced by the ventilator	Total number	Total capacity in gallons per minute	Number	Pumps Delivering Water to Surface Approximate number per minute
<b>NORTHUMBRLAND CO.—Cont'd.</b>												
Washery	23	Guibal	Centrifugal	20	105	3.2	Electricity	62,776	3	3,000		
Stevens Chapin Coal Co.		Guibal	"	18	107	3.2	Steam	48,825	14	13,550	3	3,000
Busquehanta Collieries Co.	24	Vulcan	"	6	176	1.	Electricity	19,340				
Cameron		Sturtevant	"	5	540	.5	"	22,000				
		Sirocco	"	5	500	.8	"	16,700				
		Connellsville	"	8	174	1.7	"	110,000				
Lake Fidler	24	Guibal	"	18	95	1.5	Steam	69,000	30	32,025	9	3,500
		Guibal	"	16	150	2.	Electricity	65,000				
		Guibal	"	12	120	1.5	"	53,000				
		Sturtevant	"	10	200	2.4	"	13,000				
		Sturtevant	"	4	250	.5	"	13,200				
		Connellsville	"	8	174	2.	"	53,500				
		Carpenter	"	5	250	.5	"	9,000				
Pennsylvania	23	Guibal	"	21	90	2.	"	124,500	17	17,719	8	4,094
		Guibal	"	21	90	2.2	"	112,200				
		Guibal	"	15	90	2.	"	102,000				
		Sturtevant	"	6	163	1.2	"	51,200				
		Capell	"	7	200	1.	"	63,400				
		Connellsville	"	6	165	.9	"	65,400				
		Connellsville	"	8	170	1.7	"	103,000				
		Buffalo	"	6	200	1.	"	27,000				
Richards	23	Guibal	"	18	100	1.7	"	69,476	15	14,000	3	1,713
		Guibal	"	21	100	1.7	"	91,447				
		Jeffrey	"	7	160	1.5	"	58,163				

Scott	23	Jeffrey Connellville Vulcan Guibal Guibal Guibal	" " " " "	10 8 12 10 10 18	150 170 159 172 168 90	1.8 1.7 3.5 1.7 1.7 1.6	" Steam Electricity "	116,000 89,867 136,370 107,000 50,000 54,000	12 9,400 4 1,498	68 67,344 27 13,855	218 216,165 93 67,195	
<b>SCHUYLKILL COUNTY</b>												
Black Heath Coal Co.	19	Jeffrey	Centrifugal	6	300	3.	Natural	100,000	21	17,200	7	6,450
Black Heath	19	Jeffrey	"	6	380	1.25	"	62,000				
Buck Run Coal Co.	19	Jeffrey	"	5	240	1.13	"	49,000				
Buck Run	19	Jeffrey	"	6	240	1.13	"	25,000				
	19	Jeffrey	Disc	6	400	1.	"	25,000				
Chestnut Hill Coal Co.	18	Jeffrey	Centrifugal	5	640	1.5	Electricity	5,000	3	1,000	2	500
Chestnut Hill	16	Guibal	Centrifugal	20	60	.9	Steam	39,400				
Coxs Brothers & Co., Inc.	16	Jeffrey	"	8	118	1.2	Electricity	51,192				
Owens	16	Peber	"	12	130	.5	Steam	57,340				
East Bear Ridge Colliery Co.	22	Guibal	Centrifugal	16	75	1.2	Electricity	50,000	4	5,800	4	5,800
East Bear Ridge	18	Jeffrey	Centrifugal	3	300	1.	Electricity	4,800	2	575		
Frackville Coal Co.	18	Stine	Disc	3	1,160	2.	Electricity	2,500	2	800	1	900
Lucanna	16	Jeffrey	Centrifugal	6	105	1.5	Electricity	10,500	40	23,375	15	12,000
Gorman & Campion Coal Co.	16	Jeffrey	"	8	128	1.	"	95,000				
Haddock Mining Co.	18	Jeffrey	"	8	115	1.3	"	25,000				
Candlemas	18	Jeffrey	"	8	180	1.2	"	52,000				
Salem Hill	18	Jeffrey	"	3	350	1.5	"	15,000	1	50	1	50
Total				41	29,125	16			41	29,125	16	12,050
Harleigh-Brookwood Coal Co.	22	Vulcan	Centrifugal	20	80	2.	Electricity	140,000	15	15,000	4	3,200
Lawrence	21	Vulcan	"	14	80	1.2	"	80,000	14	12,350	4	1,000
Thomas							Natural		29	30,730	8	4,200
Total												

Table 5—Operators and mines, type and size of fans, volume of air produced by fan per minute, number and capacity of pumps, 1928—Continued

Operators and collieries	District	Ventilation						Pumps				
		Name of fan	Type—disc or centrifugal	Diameter of fan in feet	Revolutions per minute	Water gauge developed—in inches	Power used	Cubic feet of air per minute produced by the ventilator	Total number	Total capacity in gallons per minute	Number	Pumps Delivering Water to Surface Approximate number per minute
<b>SCHUYLKILL COUNTY—Cont'd.</b>												
Haile Brook Coal Co.	22	Sirocco	Disc	7	170	1.75	Electricity	60,000	5	9,200	4	9,000
Girard	18	Vulcan	Centrifugal	20	54	1.	Steam	44,400	6	10,150	4	4,200
Maryd		Jeffrey	"	7	156	1.3	Electricity	50,000				
Raven Run	21	Guibal	Disc	9	266	1.1	"	24,130	15	14,409	5	2,800
Westwood	25	Sturtevant	Centrifugal	6	225	.6	"	14,700				
		Vulcan	"	14	110	1.	"	56,000	6	2,850	2	2,400
		Total							32	36,659	15	18,400
Laurel Coal Mining Co.	22	Jeffrey	Centrifugal	3	425	1.	Electricity	23,450	2	1,300	1	500
Biddle	18	Jeffrey	Centrifugal	8	230	2.2	Electricity	102,600	8	13,300	2	4,100
Lehigh Coal & Navigation Co.		Sturtevant	"	9	160	2.6	"	104,300				
Alliance		Guibal	"	10	96	.8	"	59,700				
Coaldale	17	Jeffrey	"	10	171	2.25	"	229,000	4	7,350	3	6,000
Greenwood	17	Sturtevant	"	12	128	1.8	Steam	55,600				
Rahn	17	Vulcan	"	12	184	4.25	Electricity	270,000	5	8,750	2	6,000
		Jeffrey	"	10	179	3.	"	162,000	12	17,000	5	11,500
		Sirocco	"	10	176	1.9	"	46,780				
		Jeffrey	"	3	130	1.25	"	11,000				
Tamaqua	18	Guibal	"	21	92	2.75	"	240,000	5	9,000	5	9,000
		Guibal	"	20	93	2.8	"	79,000				
		Total							84	55,300	18	26,600

Company	Year	Machine	Centrifugal	Disc	Speed	Power	Capacity	Value	Quantity	Value	Quantity	Value	Quantity								
Lehigh Valley Coal Co. Buck Mountain	18	Guibal	20		20	2	110,000	10	10,500	5	30,500										
		Guibal	16		85	.5	60,000														
		Vulcan	10		160	.5	60,000														
		Guibal	25		65	1.6	97,000														
		Jeffrey	8		162	1.	117,000	6	4,800	2	1,450										
		Guibal	18		70	.6	85,500														
		Guibal	20		62	1.	76,000	4	6,000	2	4,400										
		Vulcan	18		90	2.	120,800	4	4,500	2	2,500										
		Vulcan	18		60	2.	70,000														
		Sirocco	9		113	1.5	62,000	53	21,500	12	8,600										
Springdale Washery	20	Guibal	6		130	1.	49,000														
		Sturtevant	6		75	1.	25,700														
		Jeffrey	8		160	1.	31,000	4	6,200	2	5,200										
Total													92	67,060	25	22,650					
Lehigh & Wilkes-Barre Coal Co. Audenried No. 4	16	Jeffrey	12		110	.8	47,700	10	15,000	7	8,000										
		Guibal	15		80	.8	49,700														
		Guibal	15		66	.6	23,600	1	1,000	1	1,000										
		Guibal	8		135	.8	80,000														
		Guibal	15		66	.7	24,500														
		American Blower	4		1,200	3.	8,000														
		American Blower	4		1,500	3.	8,000														
	Total													11	10,000	8	9,000				
	Locust Mountain Coal Co. Weston Lytle Coal Co. Lytle	21	Stone	5		580	2.	96,000	6	1,400											
		19	Guibal	20		94	2.2	145,000	15	16,950	2	5,000									
		Guibal	18		65	2.2	90,000														
		Guibal	12		164	2.1	120,000														
		Guibal	6		475	1.8	41,000														
Mill Creek Coal Co. Morea Middle Lehigh Wolf Creek	18	Guibal	16		70	.4	48,125	12	20,500	9	2,700										
		Guibal	6		106	1.	25,700	8	4,300	1	400										
		Guibal	21		5	1.	48,250	8	6,150	4	800										
Total													23	20,850	14	3,900					
Phila. & Reading Coal & Iron Co. Bancroft	22	Jeffrey	6		190	1.	76,000	1	1,000												
		Jeffrey	6		106	1.	50,000														
		Guibal	21		5	1.	90,000	9	11,022	4	1,311										
Total													9	11,022	4	1,311					

Table 5—Operators and mines, type and size of fans, volume of air produced by fan per minute, number and capacity of pumps, 1928—Continued

Operators and collieries	District	Ventilation						Pumps				
		Name of fan	Type—disc or centrifugal	Diameter of fan in feet	Revolutions per minute	Water gauge developed—in inches	Power used	Cubic feet of air per minute produced by the ventilator	Total number	Total capacity in gallons per minute	Number	Pumps Delivering Water to Surface
											Approximate number of gallons per minute	
<b>SCHUYLKILL COUNTY—Cont'd.</b>												
Phila. & Reading Coal & Iron Co.—Cont'd.												
Bast—Cont'd.	22	Guibal	Centrifugal	21	30	2	Steam	72,000				
		Jeffrey	"	10	190	1.	Electricity	76,000				
		Jeffrey	"	6	190	1.1	"	60,000				
		Jeffrey	Disc	6	185	1.2	"	70,867				
Brookside		Guibal	Centrifugal	15	91	1.2	Steam	39,182				
		Guibal	"	21	91	2.1	"	72,914				
		Jeffrey	Disc	6	170	.8	Electricity	89,507				
		Jeffrey	"	6	165	1.	"	27,267				
		Jeffrey	"	6	167	.7	"	33,098				
Eagle Hill	18	F. & R.	Centrifugal	20	80	1.6	Steam	98,200	4	4,089	8	1,468
		Guibal	"	8	80	.4	Electricity	45,000				
		Jeffrey	"	6	200	2.	"	88,775				
		Jeffrey	"	6	200	2.	"	85,450				
		Jeffrey	"	10	140	1.	"	139,800				
Illangowan	20	Guibal	"	21	70	1.	Steam	75,000	7	12,746	7	2,694
		Guibal	"	18	55	.9	"	101,000				
		Guibal	"	21	80	1.9	"	107,000	10	16,450	4	3,872
Gilberton	23	Guibal	"	21	80	1.9	"	84,000				
		Jeffrey	"	6	190	1.5	Electricity	89,000				
		Jeffrey	"	6	190	1.5	"	46,000				
Good Spring	25	Guibal	"	18	80	1.2	Steam	76,845	7	8,227	4	2,362
		Guibal	"	19	80	1.2	"	146,267				
		Guibal	"	16	80	1.	"	57,963				

Mine Name	Equipment	Capacity	Efficiency	Power	Cost	Value	Notes
Hammond	Guibal	15	1.6	45,000	103,754		
	Jeffrey	6	.4	41,400	46,800		
	Jeffrey	6	.6	172	188,000	9,546	2,173
	Guibal	21	2.2	80			
Lincoln	Guibal	21	2.2	80			
	Guibal	21	2.2	80			
Mahanoy City	Guibal	16	2.	85	184,110	7,130	2,705
	Guibal	21	2.	88	77,110		
Maple Hill	Guibal	21	1.7	88	210,000	5,962	1,380
	Guibal	21	1.7	70	100,000	14,993	4,717
Middle Creek	Guibal	21	1.7	84	67,000		
	Guibal	21	1.7	75	39,000		
	Guibal	21	1.9	75	102,000		
	Jeffrey	6	.5	233	38,000		
	Guibal	21	1.8	75	63,000		
	Guibal	21	1.7	70	43,000		
	Jeffrey	6	.3	118	62,000		
	Jeffrey	6	.3	180	81,000		
	Guibal	6	.3	180	83,500		
	Jeffrey	21	1.9	80	169,000	10,816	2,1,353
North Mahanoy	Jeffrey	6	2.	235	104,000		
	P & R	21	2.25	35	30,800	9,500	7, 2,056
	P & R	15	1.75	70	24,000		
	P & R	18	.88	60	34,800		
Otto	P & R	21	1.25	94	85,800		
	Jeffrey	6	.5	134	10,600		
	Guibal	8	.68	160	37,700		
	Guibal	21	2.	79	72,300	13,788	9, 6,064
Pine Knot	Jeffrey	6	.5	450	56,300		
	Jeffrey	6	.2	150	11,800		
Reesdale	Jeffrey	6	.2	150	11,800		
	Jeffrey	6	.2	110	27,800		
Shenandoah City	Guibal	21	1.3	90	98,000	14,521	5, 1,504
	Guibal	6	1.9	200	76,800		
Silver Creek	Guibal	15	1.1	70	72,150		
	Jeffrey	6	1.3	154	74,000		
Tunnel Ridge	P & R	21	1.6	65	96,800		
	Jeffrey	10	1.3	200	95,200		
Wadesville	Jeffrey	6	2.	245	69,000	24,404	9, 5,246
	Guibal	6	2.	245	98,000		
West Shenandoah	Guibal	21	1.8	70	103,000		
	Guibal	15	1.7	72	65,000		
	Guibal	21	2.	80	78,000		
	Jeffrey	8	.6	110	32,000	8,500	2, 8,500
	Guibal	6	.5	90	11,000		
	Guibal	21	1.	70	58,000		
	Guibal	6	1.6	233	51,000		
	Guibal	21	1.6	70	60,000		
	Jeffrey	6	1.2	315	69,000		
	Guibal	21	3.	90	112,000	12,063	3, 1,505
	Jeffrey	6	.5	162	68,570		

Table 5—Operators and mines, type and size of fans, volume of air produced by fan per minute, number and capacity of pumps, 1929—Concluded

Operators and collieries	District	Ventilation						Pumps				
		Name of fan	Type—disc or centrifugal	Diameter of fan in feet	Revolutions per minute	Water Gauge developed—in inches	Power used	Cubic feet of air per minute produced by the ventilator	Total number	Total capacity in gallons per minute	Number	Pumps Delivering Water to Surface Approximate number per minute
<b>SOMERSET COUNTY—Cont'd.</b>												
Phila. & Reading Coal & Iron Co.—Cont'd.	21	P & R	Centrifugal	6	192	2.	Electricity	60,640				
West Shenandoah—Cont'd.												
Total									145	180,101	70	44,583
Pine Hill Coal Co.	19	Jeffrey	Centrifugal	10	100	3.	Electricity	150,000	5	6,800	3	4,400
Oak Hill		Jeffrey		5	170	3.	"	23,000				
Pine Hill	19	Jeffrey	"	6	234	3.15	"	141,500	6	10,500	3	9,500
		Jeffrey	"	7	155	1.2	"	96,000				
		Guibal	"	10	67	.7	"	45,700				
		Guibal	"	18	95	1.5	"	56,000				
Total									11	17,300	6	10,650
Reppler Coal Co.	19	American Blower	Centrifugal	6	250	1.15	Electricity	30,540	21	22,110	6	8,000
New Castle		Jeffrey		6	235	1.15	"	32,700				
		Jeffrey	Disc	6	255	1.15	"	30,850				
		Jeffrey		6	320	.75	"	21,460				
		Jeffrey	Centrifugal	4	272	1.25	"	16,470				
Saint Clair Coal Co.	18	Vulcan	Centrifugal	10	130	1.2	Electricity	125,000	21	18,600	70	8,700
Saint Clair		Guibal	"	16	95	1.5	"	85,000				
		Jeffrey	"	7	98	1.	"	40,000				
Sherman Coal Corp.	19	Jeffrey	Centrifugal	3	450	1.2	Electricity	17,050				
Sherman												

South Penn Collieries Co.	18	Buffalo	Centrifugal	3	770	1.4	Electricity	30,760	2	1,300	2	1,800
Randolph		Vulcan	Centrifugal	19	184	2.	Electricity	82,000	2	1,300	2	1,800
Susquehanna Collieries Co.	21	Jeffrey	Centrifugal	13	116	2.	Steam	189,400	2	1,300	1	1,000
Wm. Penn									519	535,000	516	209,233
Grand total												
<b>SULLIVAN COUNTY</b>												
Connell Anthracite Mining Co.	10	Guibal	Centrifugal	16	87	1.	Electricity	200,000	3	500		
Connell		Scioe	"	5	500	1.	"	80,000				
Northern Anthracite Coal Co.	10	Guibal	Centrifugal	16	85	1.0	Steam	72,500				
Murray									3	500		
Grand total												
<b>SUSQUEHANNA COUNTY</b>												
Hillside Coal & Iron Co.	1	Guibal	Centrifugal	20	60	1.	Electricity	83,004	20	19,290	7	4,800
Forest City		Guibal	"	20	35	1.	"	37,155				
Hudson Coal Co.	1	Guibal	"	24	50	1.	Steam	122,150				
Clinton									30	19,290	7	4,800
Grand total												
<b>WAYNE COUNTY</b>												
Hillside Coal & Iron Co.	1	Guibal	Centrifugal	20	95	2.3	Steam	111,789	29	14,300	4	2,645
Forest City		Guibal	"	17	100	2.3	Electricity	42,749				
Hudson Coal Co.	1	Buffalo	"	15	90	1.8	"	47,930				
Clinton												
Vandling Coal Co.	1						Natural					
Northeast												
Grand total									29	14,300	4	2,645
Grand total all counties									3,359	2,548,812	648	931,509

1 See Wayne County.  
2 See Susquehanna County.



Table 6—Showing coal seam worked, machinery used, number of employes and number of tons produced by mechanical mining, 1927

County	Mechanical mining						Machine mining (all methods)			
	Number of scraper units	Number of conveyor units	Number of loading machines	Number of employes engaged in this class of work	Number of tons of coal produced by this class of mining	Electric	Mining machines		Approximate tons produced by electric machines	Approximate tons produced by compressed air machines
							Compressed air	Electric		
Carbon	127	2	3	1,173	913,647	96	13	1,007,708	33,921	
Columbia	97	110	5	886	668,157	8		72,305		
Dauphin	33	46		297	203,280	6		11,476		
Lackawanna	14			67	54,061					
Northumberland	10			20	11,000	15		55,700		
Schuylkill	1	1		26	11,471	32		61,158		
Susquehanna	15			143	123,456					
Wayne										
Total	297	159	8	2,636	1,985,072	137	13	1,206,847	33,921	

**Table 6—Showing coal seam worked, machinery used, number of employes and number of tons produced by mechanical mining, 1928**

Operators and Collieries	District	Geological and local name of coal bed	Average height of seam—in inches	Mechanical mining					Machine mining (all methods)											
				Number of scraper units	Number of conveyor units	Number of loading machines	Number of employes engaged in this class of work	Number of tons of coal produced by this class of mining	Mining machines		Approximate tons produced by electric machines	Approximate tons produced by compressed air machines								
									Electric	Compressed air										
<b>CARBON COUNTY</b> <b>COLUMBIA COUNTY</b> <b>DAUPHIN COUNTY</b> <b>LACKAWANNA COUNTY</b>																				
Glen Alden Coal Co.																				
Diamond	3			1			10	600		1			600							
Hyde Park	5	H or Four Foot	28	2			36	66,142		8			66,142							
Storrs	6	H or Four Foot	40	7	5		109	68,561		6			47,371							
Total				10	5		155	135,303		15			114,113							
Glendale Anthracite Collieries																				
Glendale	1	Clark Rider	24	2			11	12,000												
Hillside Coal & Iron Co.																				
Forest City <sup>1</sup>	1																			
Hudson Coal Co.																				
Clinton <sup>2</sup>																				
Coal Brook	2	B or Dunmore No. 1	42	8			150	139,597		11			139,597							
Eddy Creek	3			9			92	58,869		4			14,758							
Gravity Slope	2	B or Dunmore No. 1	42	5			38	33,742		1			8,098							
Jermyn	2	B or Dunmore No. 1	30	19			176	173,158		12			106,677							
Marvine	3			20			172	111,197		2			4,210							
Olyphant	6	C or Bottom Clark	41	15			130	125,267		2			19,060							
Powderly	2	D or New County	51	1			8	1,567		1			1,567							
Total				77			766	643,397		33			293,967							

Table 6—Showing coal seam worked, machinery used, number of employes and number of tons produced by mechanical mining, 1928—Continued

Operators and Collieries	District	Geological and local name of coal bed	Average height of seam—in inches	Mechanical mining					Machine mining (all methods)			
				Number of scraper units	Number of conveyor units	Number of loading machines	Number of employes engaged in this class of work	Number of tons of coal produced by this class of mining	Mining machines		Approximate tons produced by electric machines	Approximate tons produced by compressed air machines
									Electric	Compressed air		
<b>LACKAWANNA COUNTY—Cont'd.</b>												
Lackawanna Anthracite Mining Co.	1	Dunmore No. 3	26	3			32	24,275				
Richmondale												
Lackawanna Coal Co., Ltd.	6	C or Clark	26	2			85	10,706	5		9,042	
Lackawanna												
Lehigh Valley Coal Co.	7	Red Ash	29	5			28	22,000				
Broadwell												
Pennsylvania Coal Co.												
No. 1	6	B or Dunmore No. 1	48			4	36	14,040				
No. 5	4	B or Dunmore No. 3	45			2	14	5,460	10		5,460	
Old Forge	4	B or Dunmore No. 3	30			1	10	6,900	1		6,900	
Underwood	6	B or Dunmore No. 3	50	1			10	4,500	19		96,824	
Price-Panocoast Coal Co.												
Panocoast	4	B or Dunmore No. 3	34	6	15		98	62,515				
Scranton Coal Co.												
Capouse	4	B or Dunmore No. 3	30	2			16	5,760				
Johnson	6	B or Dunmore No. 2	48	3			26	7,500				
Pine Brook	4	B or Dunmore No. 3	46	1			7	7,200	9		246,620	
Total				6			49	20,460	9		246,620	
Temple Coal Co.												
Northwest	1	Dunmore No. 1	27 1/2	10			49	3,398				
		Dunmore No. 3	29 1/2									
Grand total				122	20	7	1,343	964,954	92		772,926	

<sup>1</sup> See Susquehanna County.

<sup>2</sup> See Wayne County.

<b>LUZERNE COUNTY</b>										
Alden Coal Co.	14	Orchard	30		7		9	8,500		
Alden										
Clifford Coal Co.	7	Pittston	96			1	16	11,870		
Clifford Stripping										
John Conlon Coal Co.	10	Ross	48	2			8	4,000		
Madeira										
Charles M. Dodson & Co.	16	Gamma	36		1	2	16	3,937	1	3,937
Beaver Brook										
Glen Alden Coal Co.	14	Ross	72	3			28	30,040		
Bliss		Twin	54							
Loomis	13	Abbott	30	7			60	10,800		
		No. 6	34							
Pettebone	10	Ross	31	12			99			
		Skidmore	30							
		Five Foot	46							
Total				22			187	40,840		
Grand Tunnel Coal Co.	13	Ross	30		2		32		1	18,761
West Nanticoke										
Haddock Mining Co.	10	Ross Top Split	30			1	5	2,597		
Black Diamond										
Hillside Coal & Iron Co.	7	Clark	40	1			13	5,733		
Butler		Stark	36							
		Marcy	54							
		Pittston	120							
		Red Ash	104							
Hudson Coal Co.	11	Baltimore	144	7			43	27,376	1	249
Baltimore No. 5		Baltimore	144	2			27	8,445	1	6,334
Baltimore Tunnel	7	Marcy	60	1			3	753		
Lafin		Red Ash	36							
Loree No. 5—Boston	12	Hillman	101	9	1		55	34,834		
Pine Ridge	10	Five Foot	38	10			57	37,954		
Pine Ridge Shaft		Top Red Ash	86							
		Three Foot	40							
		Checker	48							
Delaware Shaft		Top Ross	30	14			80	54,668		
		Ross	36							
		Three Foot	40							
Total				43	1		265	164,030	2	6,583

Table 6—Showing coal seam worked, machinery used, number of employees and number of tons produced by mechanical mining, 1928—Continued

Operators and Collieries	District	Geological and local name of coal bed	Average height of seam—in inches	Mechanical mining				Machine mining (all methods)			
				Number of scraper units	Number of conveyor units	Number of loading machines	Number of employees engaged in this class of work	Number of tons of coal produced by this class of mining	Mining machines		Approximate tons produced by electric machines
								Electric	Compressed air		
<b>LUZERNE COUNTY—Cont'd.</b>											
George F. Lee Coal Co.	13	Ross	30		33		80				
Chauncey											
Lehigh Valley Coal Co.	9	F or Checker	78	1			6				
Exeter											
Checker Shaft											
Old Shaft				60			1				5,936
Red Ash Shaft		B or Red Ash	42	2			12				
Maltby		C or Top Ross	25	1			7				4,683
Total				4		1	33				10,619
Mt. Lookout Coal Co.	9	C or Top Ross	39	2			8				
Mt. Lookout			B or Red Ash	57			6		3		13,465
Pennsylvania Coal Co.	8			12	1		112		6		37,296
Ewen				1			7				4,827
No. 6					2			29			19,308
No. 9											
Total				15	1		148		6		37,296
Seranton Anthracite Coal Co.	7	Red Ash	24	4	1		22				47,189
Barnum			Pittston	89							
Pickaway			Red Ash	24	1	1		18			15,055
Total				5	2		40				62,244

Susquehanna Collieries Co.	14	Top Ross	30	3			21				34,754
No. 6			Twin	36	2			18			18,827
No. 7			Orchard	36							
Total				5			39				53,581
Temple Coal Co.	9	C or Bottom Ross	48	3			15				14,450
Harry E											
West End Coal Co.	14	Boss	58								
West End			Top Red Ash	30	3	17	1	76			26,411
West End			Red Ash	60							
Grand total				105	69	6	996		13		80,042
<b>NORTHUMBERLAND COUNTY</b>											
Colonial Colliery Co.	23	Lykens Valley No. 1	48								
Colonial			Lykens Valley No. 2	30							
Colonial Shaft			Buck Mountain No. 4	46							
Colonial Shaft			Buck Mountain Split No. 5	30	16	29		106			143,350
Colonial Shaft			Seven Foot No. 6	30							
Colonial Shaft			Skidmore No. 7	54							
Colonial Shaft			Mammoth No. 8	150							
Colonial Shaft			Holmes No. 10	30							
Colonial Shaft			Seven Foot No. 6	54	10	1		50		3	6,090
Total					26	30		156		3	6,090
Phila. & Reading Coal & Iron Co.	23	Buck Mountain No. 5	50	7	8		59		1		5,456
Alaska			Skidmore No. 7	52							
Alaska			Mammoth No. 8	148							
Alaska			Holmes No. 10	58							
Burnside	24	Buck Mountain No. 5	80		1		6			3,542	
Locust Spring	23										
Shaft		Seven Foot No. 6	32								
Shaft		Skidmore No. 7	48								
Shaft		Mammoth No. 8	240		3		6			3,216	
Shaft		Four Foot No. 9	48								
Shaft		Holmes No. 10	60								
Shaft		Diamond No. 13	52								
Shaft		Lykens Valley No. 2	72								
Shaft		Buck Mountain No. 5	52								
Shaft		Skidmore No. 7	54								
Reliance	23	Mammoth No. 8	180	1	7		18			9,053	
Reliance		Four Foot No. 9	48								

Table 6—Showing coal seam worked, machinery used, number of employees and number of tons produced by mechanical mining, 1928—Concluded

Operators and Collieries	District	Geological and local name of coal bed	Average height of seam—inches	Mechanical mining						Machine mining (all methods)			
				Number of scraper units	Number of conveyor units	Number of loading machines	Number of employees engaged in this class of work	Number of tons of coal produced by this class of mining	Electric	Mining machines	Compressed air	Approximate tons produced by electric machines	Approximate tons produced by compressed air machines
<b>NORTHUMBERLAND COUNTY—Cont'd.</b>													
Phila. & Reading Coal & Iron Co.—Cont'd.													
Reliance—Cont'd.	23												
Total			54 52	8	28		69	56,325	1			5,456	
Grand total				34	49		245	243,085	4			11,540	
<b>SCHUYLKILL COUNTY</b>													
Hazle Brook Coal Co.													
Raven Run	21		30 129 144	11			58	95,980					
Phila. & Reading Coal & Iron Co.													
Otto	19		110		10		20	57,100					
Pine Knot	19		98		14		28						
Wadenville	18		48		4		12	18,000					
			54		3		9						
			44 51		7		28	11,035					
Total					38		97	81,725					
Pine Hill Coal Co.													
Pine Hill	19		47		7		37	30,940					
Grand total					45		190	196,070					

**SUSQUEHANNA COUNTY**

Hillside Coal & Iron Co.  
 Forest City  
 Hudson Coal Co.  
 Clinton  
 1 See Wayne County.

**WAYNE COUNTY**

Hillside Coal & Iron Co.  
 Forest City<sup>2</sup>  
 Hudson Coal Co.  
 Clinton

Grand total all counties

<sup>2</sup> See Susquehanna County.

1	Dunmore No. 1	31	2	1	38	42,000	12	13,848
1								
1	Dunmore No. 1	30	18		125	\$7,305		
			227	184	18	2,937	121	570,802

Table 7—Number of each class of employees inside, 1927

County	Mine foremen	Assistant mine foremen	Rigs bosses	Minders	Minders' laborers	Machine runners	Machine runners' helpers	Motormen	Motormen's assistants	Drivers and runners	Trackmen	Bratticemen	Timberman and rockmen	Propmen and pipemen	Electricians	Doorboys	All other employees	Total inside
Carbon	11	13	45	1,065	255	---	---	72	63	94	99	16	472	22	24	19	633	2,935
Columbia	9	36	---	520	123	---	---	26	23	78	46	27	180	14	2	27	291	1,345
Dauphin	3	9	23	610	132	---	---	14	14	118	21	22	273	43	9	13	290	1,589
Lackawanna	102	427	115	9,918	10,116	172	841	767	799	1,412	740	120	541	320	108	250	3,601	30,449
Lawrence	185	641	428	18,934	14,801	83	375	1,023	1,026	8,206	1,290	501	1,460	630	253	1,014	6,978	52,350
Northumberland	38	169	74	5,527	1,340	3	3	120	108	500	187	219	601	135	81	104	1,774	10,923
Schuylkill	111	468	203	11,543	3,479	---	---	300	243	1,586	495	638	2,171	308	94	185	5,173	26,672
Sullivan	2	5	---	223	88	12	12	18	26	7	10	---	30	---	---	---	25	481
Susquehanna	4	6	---	320	125	50	12	24	18	16	16	1	14	---	6	13	55	603
Wayne	2	15	---	143	240	---	---	15	10	9	16	---	2	---	---	---	40	502
Total	467	1,763	908	48,812	30,159	330	1,243	2,424	2,370	6,723	2,959	1,548	6,080	1,486	624	1,640	18,371	127,952

Table 7—Number of each class of employes inside, 1928

Operators and Collieries	District	Mine foremen	Assistant mine foremen	Fire bosses	Miners	Miners' laborers	Machine runners	Machine runners' helpers	Motormen	Motormen's assistants	Drivers and runners	Treckmen	Brattmen	Timbermen and rockmen	Pumpmen and pipemen	Electricians	Doorboys	All other employes	Total inside	
<b>CARBON COUNTY</b>																				
Coleraine Colliery Co.	16	1	1	1	16	16					2	1	1					3	41	
Coleraine Washery																				
Coxe Brothers & Co., Inc.	16	3	6		153	140			7	7	26	22	6	14	1	1	6	27	434	
Beaver Meadow																				
Evans Colliery Co.	16	1	1		84	18					12	2	2	0	10	1		10	147	
Evans																				
Lehigh Coal & Navigation Co.	17																			
Coaldale	17	2	6	35	325	8			32	27	23	22	4	306	6	8	5	285	1,094	
Lausford	17	3	1	28	345	42			20	29	12	33	3	188		12	8	209	1,092	
Newquehoning	17																			
Total		5	7	64	688	50			62	56	35	65	7	494	6	20	13	594	2,128	
<b>Lehigh Valley Coal Co.</b>																				
Spring Brook	16	1	2		45	49			1	1	8	4		26	5	1		28	182	
Grand total		11	16	65	972	273			70	64	93	84	16	550	22	22	19	652	2,030	
* See Schuylkill County.																				
<b>COLUMBIA COUNTY</b>																				
Hasle Brook Coal Co.	22	1	1		25	14			2	1	4	2		2	1	1	1	9	65	
Mid-valley																				
Lehigh Valley Coal Co.	22	4	19		257	33			22	22	20	30	24	33	5	1	12	135	607	
Centralia																				
Phila. & Reading Coal & Iron Co.	22	1	11		237	21			4		26		12		6		7	123	450	
Potts																				
Grand total		6	31		539	68			28	23	62	32	36	35	12	2	20	257	1,122	



Table 7—Number of each class of employes inside, 1928—Continued

Operators and Collieries	District	Mine foremen	Assistant mine foremen	Fire bosses	Miners	Miners' laborers	Machine runners	Machine runners' helpers	Motormen	Motormen's assistants	Drivers and runners	Trackmen	Bratticemen	Timbermen and rockmen	Pumpmen and pipemen	Electricians	Doorboys	All other employes	Total inside
<b>DAUPHIN COUNTY</b>																			
Susquehanna Collieries Co.	25	1	4	10	216	58	10	10	7	7	39	4	8	119	49	6	3	102	653
Short Mountain	25	2	5	14	410	79			7	7	70	18	13	126	17	2	13	209	992
Williamstown																			
Grand total		3	9	24	626	137	10	10	14	14	109	22	21	245	66	8	16	311	1,645
<b>LACKAWANNA COUNTY</b>																			
Beardslee & Lewis Coal Co.	1	1			14	16						1			1			1	34
Stone Quarry																			
Childs Coal Co.	2	1			4	3					1								9
No. 1 Mine																			
D. F. M. Co.	2	1			7	7					2								17
No. 1 Mine																			
Dunmore Anthracite Coal Co.	6	1			10	13					2	1		2		1			30
Dunmore																			
John Gibbons Coal Co.	5	1			6	6			1	1	2	2		2					21
Gibbons																			
Glen Alden Coal Co.	5	1	9		287	293			26	27		17	2	5	3	5	3	187	865
Archbald	5	4	14		298	312			42	49	3	30	6	49	12	11	2	168	1,000
Baker	3	3	13	6	389	395	1	1	32	32	24	34	7	15	12	9	7	158	1,138
Diamond	5														3				3
Hampton Plant	5	4	9		289	318	6	5	44	12		16	2	17	12	9	8	299	1,050
Hyde Park	4	1	11		252	270			27	26		10	2	7	7	4		228	845
Pyne	6	5	23	14	628	769	4	6	55	58	6	38	19	43	13	14	13	350	2,058
Storrs	4	3	12	3	311	326			36	36		17	4	11	11	9	3	192	974
Taylor																			
Total		21	91	23	2,454	2,683	11	12	262	240	33	162	42	147	73	61	36	1,582	7,933

Glendale Anthracite Collieries	1	1	5	2	117	135			4	4	29	7	2	2	6	2		12	328
Glendale																			
Green Ridge Coal Co.	4	1	1		40	42			3	3	4	2		2		1		6	105
Green Ridge																			
Grove Hill Coal Co.	6	1	1		14	16					4	2		2				8	48
Lackawanna																			
Hillside Coal & Iron Co.	1																		
Forest City <sup>1</sup>																			
Hudson Coal Co.	1																		
Clinton <sup>2</sup>	2	1	24		383	372	8	142	49	48	10	38	8	8	11	4	4	108	1,218
Coal Brook	3	3	27	10	481	448	8	84	25	29	122	17	12	8	12	2	23	202	1,513
Eddy Creek	2	1	19		304	288	5	33	21	21	43	26	4	31	10	2	2	80	890
Gravity Slope	5		9		143	40			11	11	22	8		3	1	1		41	278
Greenwood	2	1	18		232	261	18	158	27	28	2	27	2	6	1	2	9	93	885
Jermyn	3	3	33	11	339	418	23	147	39	41	66	55	3	64	7	5	9	133	1,396
Marvine	6	2	26	11	367	490	14	116	25	25	77	20	5	9	7	3	14	199	1,410
Olyphant	2	1	19		249	394		1	13	13	61	26		10	2	2	2	45	838
Powderly																			
Total		12	175	32	2,498	2,711	76	681	210	205	403	217	34	136	53	21	63	901	8,428
Humbert Coal Co.	1	1	2		75	75			4	4	7	2	1	1	1			2	175
Sunnyside																			
Jermyn & Co.	4	3	11		182	182					64	12		8	10	1	6	22	501
Jermyn																			
Lackawanna Anthracite Mining Co.	1	1	1		50	71	4	3	3	3	3	3	1	3	2	1	1	11	161
Richmondale																			
Lackawanna Coal Co., Ltd.	6	4	5	4	136	10	16	69	12	13	2	9	3	21	12	4	2	67	389
Lackawanna																			
Lackawanna Valley Fuel Co.	1	1	1		6	9					3								20
Old Buffalo																			
Langeliffe Collieries Inc.	1	1	2		38	37					11	2		2	1			1	95
Boland	2	1	1		56	28			2	2	10	2			1			5	108
Tappans																			
Total		2	3		94	65			2	2	21	4		2	2			6	208
Lehigh Valley Coal Co.	7	1	1		31	37			3	3		4	1	2	4	1	3	8	99
Broadwell																			
Lincoln Coal Co.	2	1			22	22			2	2		1		1				4	55
Oak Run																			
Meadowside Coal Co.	6	2			34	43					15	2						9	105
Meadowside																			
Mid-City Coal Co.	3	1	4	1	43	59			6	6	4	3		8	2	1		8	146
Bull's Head																			
Mine Run Coal Co.	1	1			13	13					3								30
Devil's Eyebrow Mine																			

Table 7—Number of each class of employes inside, 1928—Continued

Operators and Collieries	District	Mine foremen	Assistant mine foremen	Fire bosses	Miners	Miners' laborers	Machine runners	Machine runners' helpers	Motormen	Motormen's assistants	Drivers and runners	Trackmen	Bratticemen	Timbermen and rockmen	Pumpmen and pipemen	Electricians	Doorboys	All other employes	Total inside
<b>LACKAWANNA COUNTY—Cont'd.</b>																			
Moffat Coal Co.	5	2			45	59					12	4		2				6	130
Murrin Coal Co.	1	1	1		28	28			1	1	9	2		4					75
Namura Coal Co.	5	1			4	5												2	12
Pennsylvania Coal Co.																			
Erie Mine	2	1	3		164	179			10	10	15	8		1	3	3	3	19	419
No. 1	6	4	7	7	415	478	2		48	45	1	28		18	7	12	22	90	1,182
No. 2	4	1	5	3	104	133	2	1	12	12	19	14	1	39	5	8	5	75	439
Old Forge	4	3	9		329	319	1	8	26	26	8	23	1	21	9	11	5	35	820
Underwood	6	4	10	6	409	388	9	7	52	52		31	8		9	16	7	116	1,124
Total		13	34	16	1,421	1,495	14	16	148	145	38	104	10	79	33	50	42	335	3,993
Price-Panocast Coal Co.	4	3	11		96	159			17	17	7	7	2	12	10	6	2	64	413
Public Service Coal Co.	6	1	1		70	76					24	3		6		1		18	200
Marshwood																			
Racket Brook Coal Co.	1	1	5		133	68			13	18	2	8		2	3		3	13	269
Raub Coal Co.	7	1	2		46	51			3		13	2		2				3	123
Austin Tunnel																			
Roaring Brook Coal Co.	4	1	1		20	20					6	2		1				2	53
Roaring Brook																			
Scranton Coal Co.	4	1		5	167	233			8	8	35	8	7	3	6	2	4	31	513
Capouse	6	1	3	4	169	213			7	7	27	11	2	11	11	1		29	496
Johnson	4	1	1	2	56	75			5	5	20	3	1	21	3		4	17	214
Mt. Pleasant	4	1	1	1	219	114			6	6	42	12	2	1	11	1	3	29	455
Ontario	4	3	5	1															
Pine Brook	4	1	2	10	311	322	3	26	21	22	120	26	8	35	16	13	39	69	1,044

Raymond Mine	2	1	4		153	166			6	6	39	9			9	2	12	30	439
Richmond No. 3	6	1	1	1	35	42					16	3	2	1	3		2	10	117
Riverside	2	1	2		182	88			3	3	42	7	4		9	2	3	32	379
West Ridge	3	1			1	27									1			1	31
Total		11	18	24	1,293	1,282	3	26	56	57	341	79	26	72	69	21	67	248	3,693
South Penn Collieries Co.	3	1	12	9	182	264			14	20	23	22	4	8	22	11	2	48	642
Legitts Creek	3	1	8	4	153	250			14	16	30	24	2	20	9	11	3	65	610
Von Storch																			
Total		2	20	13	335	514			28	36	53	46	6	28	31	22	5	113	1,252
Spencer Coal Co.	6	1	6		74	70					23	4				2		4	184
Spencer																			
Temple Coal Co.	1	1	2		130	49	12	32	4	5	18	13	1		4		3	22	296
Northwest	2	1	6	5	165	176			4	4	64	10	1	9	7	1	6	78	537
Sterrick Creek																			
Total		2	8	5	295	225	12	32	8	9	82	23	2	9	11	1	9	100	833
Throop Coal Co.	6	1			5	5					2	1		1				1	16
Crippen																			
West Jermyn Coal Co.	2	1			8	7					3								19
West Jermyn																			
Grand total		101	408	120	9,723	10,282	136	839	786	769	1,217	719	130	554	324	199	239	3,556	30,102
1 See Susquehanna County.																			
2 See Wayne County.																			
<b>LUZERNE COUNTY</b>																			
Alden Coal Co.	14	1	1	5	217	228	1	1	6	6	91	4	8	10	4		18	81	682
Alden																			
Buck Mountain Coal Mining Co.	15	1	5		78	10			5	5	7	2		14	2			8	137
Gowen																			
John Conlon Coal Co.	10	1	1	1	11	14					10	1		5					44
Conlon	10	1	4	3	130	133			5	6	16	5	2	2	6	2		20	335
Madeira																			
Total		2	5	4	141	147			5	6	26	6	2	7	6	2		20	379
Coxe Brothers & Co., Inc.	15	5	11		353	210			17	17	29	18	6	24	1	6	1	20	723
Deringer & Tomhicken	15	4	7		196	18			5	4	40	13	3	20	5	1	3	25	344
Drifton	15	2	6		137	46					63	6		18	4			4	286
Eckley & Buck Mountain																			
Total		11	24		691	274			22	21	132	37	9	62	10	7	4	49	1,353

Table 7—Number of each class of employes inside, 1928—Continued

Operators and Collieries	District	Mine foremen	Assistant mine foremen	Fire bosses	Miners	Miners' laborers	Machine runners	Machine runners' helpers	Motormen	Motormen's assistants	Drivers and runners	Trackmen	Bratticemen	Timbermen and rockmen	Pumpmen and pipemen	Electricians	Doorboys	All other employes	Total inside
<b>LUZERNE COUNTY—Cont'd.</b>																			
R. M. Cranston																			
Cranston	8	1			8	12													21
Charles M. Dodson & Co.																			
Beaver Brook	16	1	7		102	65	2	2	6	6	8	4		15	5	1		27	251
East Alden Mining Co.																			
East Alden	14	1		1	14	10							1	2	2	1		7	39
East Boston Coal Co.																			
East Boston	10	1	4	6	145	112					85	7	1	20	21	2	10	80	494
Fox Hill Mining Co.																			
Fox Hill	10	1		1	11	14					7	1		2	3				40
Glen Alden Coal Co.																			
Auchincloss	14	1	5	5	250	119			12	11	2	8	8	15	3	2	9	79	529
Avondale	13	1	3	4	120	116			11	11	10	6	6	17	11	3	9	107	435
Bliss	14	2	20	1	297	203		78	27	25	41	20	13	29	9	4	6	196	921
Hallstead	7	1	4		130	123			10	10	15	8	1	4	5	3	4	91	409
Loomis	13	4	12	14	589	383	1	1	52	56	35	29	33	87	6	9	28	194	1,533
Pettebone	10	3	18		273	245	11	88	29	28	16	24	13	30	5	7	4	169	963
Truesdale	13	6	34		766	645			71	68	16	41	43	54	27	21	31	495	2,318
Woodward	12	5	27	10	475	323			43	42	40	30	20	33	14	13	12	226	1,319
Total		23	123	34	2,900	2,157	12	117	255	251	175	166	137	269	80	62	109	1,557	8,427
Grand Tunnel Coal Co.																			
West Nanticoke	13	1	1	1	52	64	1	1			30	5	3	5	6	1		32	203
Haddock Mining Co.																			
Black Diamond	10	1	9	3	129	142	1	4	6	15	36	12	6	26	13	2	6	10	421
Harris-Denly Coal Co.																			
Kintz	9	1	1		18	10					3				1				29
Hazle Brook Coal Co.																			
Hazle Brook	15														1				1
Upper Lehigh	15	1	2		58	56			1	1	15	3	3	4	5	1		3	159

Total		1	2		58	56			1	1	15	3	3	4	6	1		3	154
Hillside Coal & Iron Co.																			
Butler	7	4	12	1	347	372			39	42		32		1	7	11	20	139	1,027
Hudson Coal Co.																			
Baltimore No. 5	11	3	16	12	163	167	8	35	13	13	24	22	11	17	10	5	2	91	612
Baltimore Tunnel	11	1	9	1	111	120	3	24	7	7	17	13		6				36	355
Lafin	7	1	6		94	39	1	2	5	4	12	6			2	1		38	211
Loee No. 5—Boston	12	5	51	8	644	624	10	45	19	14	196	64	22	67	10	2	24	244	2,049
Pine Ridge	10	4	41	6	526	398	22	115	27	25	113	45	11	10	12	3		149	1,507
Total		14	123	27	1,538	1,348	44	221	71	63	362	150	44	100	34	11	26	558	4,734
Jeddo-Highland Coal Co.																			
Highland No. 2	15	2	1	1	42	36			4	4	1	7	2	17	6		1	3	127
Highland No. 5	15	3	7	6	208	202			12	12	17	10	6	20	2		9	54	568
Jeddo No. 4	15	6	11	7	236	272			17	17	10	19	11	33	2	2	14	28	785
Jeddo No. 7	15	1	2		43	36					5	2		10	1			6	106
Total		12	21	14	579	546			33	33	33	38	19	130	11	2	24	91	1,586
Kingston Coal Co.																			
Gaylor	12	1	4	1	77	66			2	2	23	4	1	2	2		1	22	208
Kingston No. 2	12	3	7	5	219	159			16	14	28	15	7	50	4	4	3	43	577
Kingston No. 4	9	2	5	7	190	161			6	4	59	12	5	12	14	4	8	33	523
Total		6	16	13	486	386			24	20	110	31	13	64	20	8	12	98	1,307
Langcliffe Collieries Inc.																			
Avoca	7	1	3		60	60			4	4	11	3		14	4	2		20	186
George F. Lee Coal Co.																			
Chauncey	13	1	2		33	95			5	7	24	7	1	16	3	4		21	269
Lehigh Coal & Navigation Co.																			
Cranberry	16	1	14		197	168			18	20	9	10		82	14	1	3	200	737
Lehigh Valley Coal Co.																			
Dorrance	11	3	21		291	174			29	29	57	35	25	41	7	10	25	142	889
Exeter	9	2	13		311	151			17	18	54	19	5	14	16	4	7	53	689
Franklin	11	4	15		198	80			2	2	63	18	6	20	11	2	10	71	502
Hazleton No. 1	15	2	9		218	30			6	5	15	13	8	59	5	6	4	85	465
Hazleton Shaft & Stockton	15	4	11		269	30			15	15	11	24	3	47	7	7	2	53	498
Heidelberg	7	3	3		63	30					21	7	2	9	1	1		13	153
Maltby	9	1	14		177	113			11	11	57	10	3	8	3	1	10	52	476
Mineral Spring	10	1	13		133	56			5	6	44	17	5	14	8	1	8	52	413
Prospect	9	3	16		202	122			9	10	64	20	10	37	8	2	28	130	661
Prospect (Henry)	10	3	20		235	140			18	15	63	20	12	16	7	2	30	85	666
Seneca	7	2	10		116	106			14	13	12	14	3	10	18	1	2	53	374
Spring Mountain	16	1	7		88	10			8	8	12	11		13	3	5	4	52	225

Table 7—Number of each class of employes inside, 1928—Continued

Operators and Collieries	District	Mine foremen	Assistant mine foremen	Fire bosses	Miners	Miners' laborers	Machine runners	Machine runners' helpers	Motormen	Motormen's assistants	Drivers and runners	Trackmen	Bratticemen	Timbermen and rockmen	Pumpmen and pipemen	Electricians	Doorboys	All other employes	Total inside
<b>LUZERNE COUNTY—Cont'd.</b>																			
<b>Lehigh Valley Coal Co.—Cont'd.</b>																			
Warrior Run	13	2	3		32	25					4	3		5	5			8	87
Westmoreland	9	1	9		121	72			10	10	15	8	2	8	9	2	7	28	302
William A.	7	1	7		104	98			5	5	34	11	1	14	11	1	5	14	311
Total		33	176		2,608	1,237			149	147	526	230	93	310	124	45	142	891	6,711
<b>Lehigh &amp; Wilkes-Barre Coal Co.</b>																			
Buttonwood No. 22	13	2		16	251	233			5	5	68	20	9	9	7	1	42	145	813
Hollenback No. 2	11	1	1	12	232	168			3	3	50	13	8	82	6		38	60	677
Lance No. 11	12	1	1	13	347	228			16	26	76	18	10	33	10	1	56	95	931
Maxwell No. 20	13	1	1	17	563	325			17	26	74	17	14		11	1	5	284	1,356
Nottingham No. 15	12	2	1	16	277	239			12	18	49	21	3	19	11	3	26	109	806
So. Wilkes-Barre No. 5	11	1	2	16	335	231			7	7	61	6	4	23	4		77	182	956
Stanton No. 7	11	2	1	26	568	366			14	19	102	23	11	32	9	1	75	191	1,440
Sugar Notch No. 9	13	1	1	11	351	250			12	18	42	12	10		10	1	52	145	916
Wanamie No. 18	14	2		17	446	426			21	22	56	15	12		6	4	22	127	1,176
Total		13	8	144	3,870	2,466			107	144	578	145	81	198	74	12	393	1,338	9,071
<b>Lehigh-Wyoming Valley Coal Co.</b>																			
Florence	7	1	1		42	37			2	2	10	4	2	4	2	3	2	30	142
Miners Mills Coal Mining Co.	10	1	3	1	61	53					12	2		3	1			4	141
Mt. Lookout Coal Co.	9	1	4	4	142	94	3	3	14	16	16	5	3	5	7	6		46	369
Pardee Brothers & Co. Inc.	16	1	5		104	50			6	6	7	6		13	5			13	216
Beaver Brook	15	2	10	7	468	34			3	3	36	22	5	34	1	2	4	40	671
Lattimer																			
Total		3	15	7	572	84			9	9	43	28	5	47	6	2	4	53	887
<b>Pennsylvania Coal Co.</b>																			
Central	7	2	3	1	148	152			14	14	6	13	2		5	4	9	69	442
Ewen	8	4	10	9	281	457	4	3	35	35	43	41	11	6	19	15	13	178	1,164
No. 6	8	3	12	10	408	450			22	22	125	35	3		7	7	21	179	1,299
No. 9	8	5	11	9	449	436			56	56	35	40	7	7	13	12	26	190	1,352
No. 14	8	4	11	11	455	412			43	43	45	34	8	7	9	10	19	171	1,282
Total		18	47	40	1,736	1,907	4	3	170	170	254	163	31	20	53	48	88	787	5,539
<b>Pittston Coal Mining Co.</b>																			
Hadleigh	13	1	2	1	44	37			5	5	12	5		3	4			2	121
Plymouth Red Ash Coal Co.	12	1	1		20	20					5	2							49
T. F. Quinn Coal Co.	7	1	3		46	50					8							15	123
Raub Coal Co.	10	3	2		76	54			6		21	5		2	1			9	179
Sandy Run Coal Co.	15	1	3		61	17					15	3		25	3	1		1	130
Seranton Anthracite Coal Co.	7	1	1	1	16	16					2	2	2			1	1	25	68
Barnum	7	1	1		10	10			1	1	1	1			1	1		28	56
Pickaway	7	1	1		10	10													
Total		2	2	1	26	26			1	1	3	3	2		1	2	1	53	124
<b>E. S. Stackhouse Coal Co.</b>																			
Salem	14		2		30	31			5	5		3						4	80
Sullivan & Flynn Coal Co.	11	1			12	15						1			2	1		8	40
Suscon Coal Co.	9	1			5	4					2	1						1	14
Susquehanna Collieries Co.	14	2	11	13	330	388			23	31	55	28	14	38	13			130	1,076
No. 6	14	5	7	30	661	617			40	43	70	38	16	65	15		34	226	1,867
No. 7	14																		
Total		7	18	43	991	1,005			63	74	125	66	30	103	28		34	356	2,943
<b>Temple Coal Co.</b>																			
Harry E.	9	2	8	8	290	114			5	6	102	10	5	37	14	2	21	101	725
Troy Coal Co.	9	1	1		18	8					6	1			1	1	1	8	46
West End Coal Co.	14	3	16	3	220	234			28	28		20	3		5	12		87	659
Wolf Collieries Co. Inc.	15	1	1		27	17					8	2	2		3				63
Wolf Mine	15	1	1		27	17					8	2	2		3				63
Yatesville Coal Co.	9	1	2		38	38					12	2			1	1	2	7	105
Yatesville	9	1	2		38	38					12	2			1	1	2	7	105
Grand total		182	688	362	18,284	13,824	68	352	1,064	1,107	2,923	1,218	504	1,606	581	253	919	6,802	50,737

Table 7—Number of each class of employes inside, 1928—Continued

Operators and Collieries	District	Mine foremen	Assistant mine foremen	Pit bosses	Miners	Miners' laborers	Machine runners	Machine runners' helpers	Motor men	Motor men's assistants	Drivers and runners	Trackmen	Brickmen	Timbermen and rockmen	Pumpmen and pipemen	Mechanics	Doorboys	All other employes	Total inside
<b>NORTHUMBERLAND COUNTY</b>																			
Colonial Colliery Co.	23	9	5	—	524	112	2	2	28	15	60	16	24	54	21	10	5	90	775
Colonial		1	1	2	49	24	—	—	—	—	13	3	1	5	—	—	—	1	100
Excelsior Coal Co.	24	8	17	—	312	91	—	—	18	16	14	25	25	28	9	1	14	70	641
Lehigh Valley Coal Co.	22	1	8	—	377	44	—	—	10	10	51	20	8	31	19	8	5	88	655
Sayre		2	8	—	314	20	—	—	5	4	22	9	22	—	0	—	1	62	482
Northumberland Mining Co.	24	2	14	—	317	87	—	—	10	10	20	6	20	11	6	—	6	90	509
Enterprise		2	15	—	442	88	—	—	6	6	58	6	36	10	8	—	3	37	778
Phila. & Reading Coal & Iron Co.	24	2	18	—	300	40	—	—	1	1	39	2	13	7	3	—	4	39	513
Alaska	23	4	19	—	469	24	—	—	2	2	67	12	27	1	9	—	6	151	794
Bear Valley	24	1	12	—	85	31	—	—	4	3	9	3	28	13	4	—	2	27	232
Burnside	24	1	7	—	286	33	—	—	3	4	20	3	11	19	8	—	1	100	476
Henry Clay		14	89	—	2,208	323	—	—	32	30	242	41	169	31	43	—	23	616	3,375
Louist Spring	23	1	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
North Franklin	24	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Reliance	23	1	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total																			
Shamokin Coal Co.	24	1	1	5	132	55	—	—	—	—	18	3	4	12	3	—	—	13	242
Nelson		1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
South Penn Collieries Co.	24	1	1	—	35	9	—	—	2	1	1	—	—	—	—	—	—	3	53
Katherine		1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Susquehanna Collieries Co.	24	1	4	13	307	62	—	—	6	6	6	20	16	76	15	2	9	90	632
Cameron	24	2	2	9	379	79	—	—	4	4	6	10	11	51	5	2	7	37	628
Lake Fidler	23	2	3	13	363	111	—	—	11	11	11	8	15	68	8	2	12	166	804
Pennsylvania	23	1	4	12	457	90	—	—	7	7	20	6	13	31	5	2	5	160	611
Richards		1	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

28	1	3	13	389	114	7	7	16	10	15	78	3	2	8	126	787
Scott																
Total	7	16	61	1,925	456	85	85	55	54	70	334	36	10	86	629	3,762
Grand total	37	137	68	5,587	1,114	2	121	452	162	291	525	131	29	83	1,488	10,306
<b>SCHUYLKILL COUNTY</b>																
Black Heath Coal Co.	19			8				3								12
Black Heath																
Buck Run Coal Co.	19	2	10	243	106	12	12	21	6	6	7	4	2	1	51	484
Buck Run																
Chestnut Hill Coal Co.	18	1		14	14			2	1	1		1			2	37
Chestnut Hill																
Coxe Brothers & Co., Inc.																
Oneysda	16	3		178	36	4	4	39	11	4	44				30	367
East Bear Ridge Colliery Co.																
East Bear Ridge	22	1	6	151	38	6	6	8	5	8	37	5	2	2	61	336
Frackville Coal Co.																
Lucena	15	1		51		1	1	15	2		5	1			2	80
Borman & Campion Coal Co.																
Bell	18	1	1	46	8	4	4	2	2		1		1		9	75
Haddock Mining Co.																
Candlemas	16	6	9	296	275	2	2	78	11	5	1	23		6	25	738
Salem Hill	13	1	2	15	15	1	1		2						3	40
Total	7	11		310	291	8	2	78	13	5	1	23		6	28	778
Marleigh-Brookwood Coal Co.																
Lawrence	23	2	4	263	42	10	10	35	8	4	33	22	4		32	535
Thomas	21	1	11	114	62	4	1	11	3		13	4			30	254
Total	3	15	8	380	104	14	11	46	11	4	51	26	4		112	789
Hazle Brook Coal Co.																
Girard	23	1	3	60		6	6	2	3	1	8	3	1	3	13	111
Meryd	18	1	4	110	20	5	5	12	2	2	18	6	3	3	44	228
Raven Run	21	1	2	76	52	4	4	5	4	2	4	2	1		23	180
Westwood	25	1	3	94	13	4	4	3	2	4	13	2			40	183
Total	4	7	7	340	85	19	14	22	11	9	43	13	2	6	120	702
Laurel Coal Mining Co.																
Bickle	23	1	1	38	7			6			3					37
Lehigh Coal & Navigation Co.																
Alliance	18	2	7	250	9	8	8	17	2	11	39		1	1	162	523
Coaldale	17	3	5	443	8	27	28	21	17	6	182		14		327	1,109
Greenwood	17	1	2	240		18	11	5	9	3	141		6	10	174	603

Table 7—Number of each class of employes inside, 1928—Continued

Operators and Collieries		District	Mine foremen	Assistant mine foremen	Fire bosses	Miners	Miners' laborers	Machine runners	Machine runners' helpers	Motor men	Motor men's assistants	Drivers and runners	Trackmen	Brattice men	Timberman and rockmen	Pumpmen and pipemen	Electricians	Doorboys	All other employes	Total inside
<b>SCHUYLKILL COUNTY—Cont'd.</b>																				
Lehigh Coal & Navigation Co.—Cont'd.																				
	17		2	2	19	246				15	15	20	19	3	47	4	10	10	101	603
	18		2	4	14	185	93			15	13	15	9		141		5	7	235	638
			10	13	81	1,320	50			83	75	78	56	23	550	4	36	28	1,039	3,456
Lehigh Valley Coal Co.																				
	18		2	19		323	85			1		41	16	14	19	6	2	8	80	610
	21		1	3		183	37			16	14		15	12	26	7	2	6	49	346
	21		1	6		101	17			2	2	7	10	1	17	3	1	1	14	188
	21		1	7		89	8			7	6		14	3	9	4	3	2	48	198
	21		1	14		125	44			14	13	4	14	12	18	3	6	8	69	415
	20		3	18		304	200			8	8	37	9	6	10	7	9	2	83	704
			9	73		1,155	359			47	43	89	78	43	89	30	23	27	343	2,463
Lehigh & Wilkes-Barre Coal Co.																				
	16		2	3	3	303	341			3	3	42	17	1		11		33	5	767
	16		1	3		20	24					4	2	1			3		5	63
			3	6	3	323	365			3	3	46	19	2		11	3	33	10	830
Locust Mountain Coal Co.																				
	21		1		7	181	1			12	11		4	2	5	4			47	275
	19		1	4	13	242	48			4	3	32	5	7	27	7	2		130	525
	18		3		12	320	43			10	10	25	12	3	16	8	4		49	515
Phila. & Reading Coal & Iron Co.																				
	22		1	10		45	8			3		10		3				1	4	75
	22		3			149	40			3	6	16	7	54	46	9		4	49	305

25	3	19	365	68	11	11	34	51	37	35	3	128	786	
Brookside														
18	2	9	381	73	5	39	39	5	25	27	8	85	615	
Eagle Hill														
20	3	15	277	22	2	40	40	5	23	40	3	96	605	
Kilgawan														
22	2	13	237	58	9	39	39	6	23	50	1	117	610	
Gilberton														
25	3	15	277	75	9	43	43	5	54	3	5	112	618	
Good Spring														
21	1	7	247	45	10	11	11	14	18	6	5	65	481	
Hammond														
25	2	19	303	83	17	16	94	48	32	53	5	179	796	
Lincold														
20	1	5	266	78	4	3	22	2	24	4	3	49	459	
Mahanoy City														
20	4	18	394	69	11	48	48	3	32	27	3	120	728	
Maple Hill														
19	1	11	202	40	3	16	16	17	17	5	5	81	438	
North Mahanoy														
20	2	13	200	47	4	4	38	17	29	22	2	81	474	
Otto														
19	2	19	326	77	6	67	67	4	22	7	2	238	735	
Pine Knot														
18	1	1	100	12	2	2	7	1	5	15	3	37	182	
Revesdale														
21	2	15	441	115	1	1	38	9	5	56	3	68	751	
Shenandoah City														
18	2	7	351	82	12	39	39	7	17	44	1	111	682	
Silver Creek														
20	2	10	274	46	5	4	22	7	17	9	9	96	482	
Tunnel Ridge														
18	2	13	250	70	8	7	32	8	23	56	2	99	571	
Wadesville														
21	2	15	410	71	6	85	85	14	9	53	2	113	736	
West Shenandoah														
	40	237	5,623	1,234	119	63	628	212	469	504	46	1,927	11,268	
Total														
19	1	4	231	100	2	2	23	12	10	14	1	55	339	
Pine Hill Coal Co.														
19	1	3	403	100	6	5	20	14	16	76	1	63	746	
Oak Hill														
2	2	7	684	200	6	7	53	25	25	89	2	118	1,255	
Pine Hill														
19	1	1	240	37	10	10	21	6	5	6	3	33	386	
Reppiler Coal Co.														
18	2	1	194	62	11	14	9	3	5	---	1	34	339	
New Castle														
19	1	1	69	13	2	2	13	3	2	12	---	14	133	
Saint Clair Coal Co.														
18	1	1	104	23	5	4	8	1	2	4	---	2	178	
Saint Clair														
21	1	1	200	41	---	---	35	18	4	7	---	92	427	
Sherman Coal Corp.														
18	1	1	104	23	---	---	---	---	---	---	---	---	---	
Sherman														
21	1	1	200	41	---	---	---	---	---	---	---	---	---	
South Penn Collieries Co.														
18	1	1	104	23	---	---	---	---	---	---	---	---	---	
Randolph														
21	1	1	200	41	---	---	---	---	---	---	---	---	---	
Susquehanna Collieries Co.														
Wm. Penn														
Grand total	90	392	12,439	3,179	377	329	1,279	566	635	1,661	83	157	4,303	25,835
10	1	4	179	32	16	28	---	13	---	30	5	3	11	261
SULLIVAN COUNTY														
Connell Anthracite Mining Co.														
10	1	1	32	32	---	---	9	2	---	1	---	---	3	61
Connell														
2	2	5	211	64	15	26	9	15	---	31	10	5	8	142
Northern Anthracite Coal Co.														
Murray														
Grand total														



Table 7—Number of each class of employes inside, 1928—Concluded

Operators and Collieries	District	Mine foremen	Assistant mine foremen	Fire bosses	Miners	Miners' laborers	Machine runners	Machine runners' helpers	Motorists	Motorists' assistants	Drivers and runners	Trackmen	Bricklayers	Timbermen and rockmen	Pumpmen and pipemen	Electricians	Doorboys	All other employes	Total inside
<b>SUSQUEHANNA COUNTY</b>																			
Hillside Coal & Iron Co.	1	4	8		387	107	5	3	28	23	2	14	3	4	13	5	14	73	640
Forest City																			
Judson Coal Co.																			
Clinton <sup>1</sup>	1																		
<sup>1</sup> See Wayne County.																			
<b>WAYNE COUNTY</b>																			
Hillside Coal & Iron Co.	1	1	13		204	199			14	7	3	14	1		4	2		20	201
Forest City																			
Hudson Coal Co.																			
Clinton																			
Vandling Coal Co.																			
Northeast	1				5	4					1	1				1			12
Grand total		1	13		109	203			14	7	4	15	1		4	3		20	403
<sup>1</sup> See Susquehanna County.																			
Grand total all counties		446	1,707	832	48,773	29,251	243	1,240	2,515	2,471	6,140	2,787	1,637	5,111	1,436	610	1,470	17,485	124,162

Table 8—Number of each class of employes outside, 1927

County	Superintendents	Foremen	Blacksmiths	Carpenters	Engineers and firemen	Mechanists	Trackmen	Statepickers (boys)	Statepickers (men)	Office employes	All other employes	Total outside	Total inside	Grand total inside and outside
Carbon	9	17	15	88	164	69	63	42	13	23	650	1,150	2,808	4,086
Columbia	2	8	13	28	77	11	2	54	6	14	322	538	1,348	1,896
Dauphin	2	4	14	52	71	41	13	10		23	358	588	1,589	2,177
Dickinson	48	98	174	508	738	247	142	497	259	348	4,190	7,239	30,449	37,688
Luzerne	69	198	285	1,012	1,924	380	256	950	348	427	8,412	14,266	82,359	96,615
Northumberland	13	68	68	192	463	73	55	203	194	144	2,241	3,717	10,823	14,640
Schuylkill	40	127	103	702	1,658	269	284	608	301	310	7,159	11,735	28,672	38,407
Sullivan	2	2	5	9	23	4	4	15	12	4	73	153	481	634
Susquehanna	1	1	3	16	28	5	8	25	1	5	79	172	608	865
Wayne	2	3	4	5	16	7			4	10	88	148	502	650
<b>Total</b>	<b>189</b>	<b>486</b>	<b>772</b>	<b>2,610</b>	<b>5,157</b>	<b>1,096</b>	<b>827</b>	<b>2,489</b>	<b>1,108</b>	<b>1,321</b>	<b>22,561</b>	<b>39,096</b>	<b>127,902</b>	<b>167,645</b>

Table 8—Number of each class of employes outside, 1928

Operators and Collieries	District	Superintendents	Foremen	Blacksmiths	Carpenters	Engineers and Firemen	Mechanists	Trackmen	Statepickers (boys)	Statepickers (men)	Office employes	All other employes	Total outside	Total inside	Grand total inside and outside
<b>CARBON COUNTY</b>															
Coleraine Colliery Co.	10	1	2	1	1	4	1				1	11	22	41	63
Coleraine Washery															
Coxe Brothers & Co., Inc.	16		1	8	9	24	5	4	2	2	3	120	175	484	609
Beaver Meadow															
Evans Colliery Co.	16	1	1	2	2	8		2	17	4	2	23	60	147	207
Evans															
Lehigh Coal & Navigation Co.	17														
Condale <sup>1</sup>	17	3	4	4	26	51	44	27	3		5	230	337	1,004	1,491
Lansford	17	5	8	6	38	65	28	98	10	6	8	286	479	1,082	1,511
Nesquehoning	17														
Total		8	12	10	72	118	67	55	18	6	11	506	878	2,120	3,002
<b>COLUMBIA COUNTY</b>															
Lehigh Valley Coal Co.	16		1	1	2	9	3	2			2	19	39	182	221
Spring Brook															
Grand total		10	17	17	98	169	78	63	84	12	19	679	1,172	2,900	4,102
<sup>1</sup> See Schuylkill County.															
<b>COLUMBIA COUNTY</b>															
Hazle Brook Coal Co.	22	1	1	1	8	6	1			3	2	21	39	60	104
Mid-Valley															
Lehigh Valley Coal Co.	22		4	6	15	20	2		13		3	74	137	607	744
Centralia			1		4	2			6		1	21	25		35
Continental Washery	23														
Total			5	6	19	23	2		19		4	96	172	607	779

Phila. & Reading Coal & Iron Co.	1	1	2	11	27	2		39	9	6	97	104	450	648
Yonkers	1	7	9	30	65	5		47	31	32	218	404	1,122	1,525
<b>Grand total</b>														
<b>DAUPHIN COUNTY</b>														
Susquehanna Collieries Co.	25	1	6	15	42	27	2	6		16	165	266	635	829
Short Mountain	25	2			7			1			23	33		33
Short Mountain Washery	25	2			28	9		2			204	301	992	1,293
Williamstown		2	5	31										
<b>Grand total</b>		5	11	46	77	36	11	11		29	392	650	1,645	2,255
<b>LACKAWANNA COUNTY</b>														
Beardslee & Lewis Coal Co.	1									1	5	7	34	41
Stone Quarry				1										
Childs Coal Co.	2						1							11
D. F. M. Co.	2				1									30
No. 1 Mine		1	1	1	1					1	2	8	17	28
Dunmore Coal Co.	6	1	1		1							8	30	38
John Gibbons Coal Co.														
Gibbs, D.	5	2	1	1	17		4	11			20	66	21	87
Glen Alden Coal Co.														
Archbold	5	1	2	15	10	2		11	3	3	90	144	865	1,009
Baker	5	1	5	28	14	6	1	11			102	172	1,000	1,172
Diamond	3	1	2	35	16	5	1	12			173	253	1,328	1,389
Hampton Plants	5	1	1		14	1					45	66		69
Hyde Park	5	1	1	11	11	3		14	4	1	132	182	1,050	1,232
Pyne	4	1	2	6	8	1		49	4	3	106	162	845	1,027
Stotts	6	2	7	32	26	7	1	44	12	6	237	351	2,058	2,439
Taylor	4	1	3	26	5	3		32	10	5	154	229	974	1,184
<b>Total</b>	9	19	25	153	103	28	9	161	33	28	1,044	1,608	7,933	9,531
<b>Glendale Anthracite Collieries</b>														
Glendale	1		2	2	7	1				3	15	31	328	359
Green Ridge Coal Co.	4	1	1	2	3	1		1		1	10	21	105	126
Grove Hill Coal Co.	6											5	48	53
Hillside														
Forest City	1				1									
Hudson Coal Co.														
Chintous	1													
Coal Brook	2	1	6	12	24	10	9	9	9	21	225	320	1,218	1,538
Eddy Creek	3	1	4	5	20	1	9	1	3	10	107	158	1,018	1,671

Table 8—Number of each class of employes outside, 1928—Continued

Operators and Collieries	District	Superintendents	Foremen	Blacksmiths	Carpenters	Engineers and Firemen	Machinists	Trackmen	Statepickers (boys)	Statepickers (men)	Other employes	All other employes	Total outside	Total inside	Grand total inside and outside
<b>LACKAWANNA COUNTY—Cont'd.</b>															
<b>Hudson Coal Co.—Cont'd.</b>															
.....	3	1	0	0	0	0	0	1	0	11	12	157	233	800	1,123
.....	5	1	1	0	0	16	6	1	.....	0	7	57	106	978	1,056
.....	0	1	1	0	0	0	0	.....	.....	1	14	78	190	833	1,005
.....	0	0	0	0	0	43	14	0	.....	0	27	225	376	1,772	1,997
.....	0	2	4	0	7	06	15	31	.....	.....	28	558	438	1,410	1,848
.....	0	1	0	0	0	21	5	1	.....	37	18	190	288	853	1,125
		10	21	35	68	226	63	35	0	141	137	1,207	2,041	6,426	10,460
<b>Humbert Coal Co.</b>															
.....	1	1	1	1	2	5	1	1	0	0	2	26	60	170	220
<b>Jermyn &amp; Co.</b>															
.....	4	1	1	0	0	20	1	2	21	13	6	62	126	001	037
<b>Lackawanna Anthracite Mining Co.</b>															
.....	1	1	1	1	3	2	1	1	0	.....	1	15	27	101	136
<b>Richmondale</b>															
.....	0	1	1	2	3	9	1	1	.....	.....	2	59	78	289	408
<b>Lackawanna Coal Co., Ltd.</b>															
.....	0	1	1	1	1	1	1	1	.....	.....	.....	6	9	.....	9
<b>Lackawanna Valley Fuel Co.</b>															
.....	1	1	1	0	.....	.....	1	1	.....	.....	1	14	21	30	41
<b>Glenwood Washery</b>															
.....	1	1	1	1	1	1	.....	.....	0	.....	1	14	25	.....	25
<b>Old Buffalo</b>															
.....	0	1	1	0	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>Throop Washery</b>															
.....	0	0	0	0	1	1	1	1	8	.....	2	24	55	20	75
		3	2	2	1	1	1	1	8	.....	2	24	55	20	75
<b>Langcliffe Collieries Inc.</b>															
.....	1	1	1	1	2	3	.....	.....	.....	.....	1	5	16	06	111
.....	0	1	1	1	4	4	1	4	.....	.....	1	25	41	108	149
.....	0	1	2	2	6	7	1	6	.....	.....	2	30	57	203	260
		1	2	2	6	7	1	6	.....	.....	2	30	57	203	260
<b>Lehigh Valley Coal Co.</b>															
.....	7	1	1	1	1	1	.....	.....	.....	.....	10	10	14	99	119

Lincoln Coal Co.	2	1	1	1	2	2	1	1	1	1	1	9	15	55	70
Oak Run															
Meadowside Coal Co.	4		1	1	1	1						12	21	105	125
Meadowside															
Mid-City Coal Co.	8	1	1	1	2	5	1					10	32	146	178
Bulls Head															
Mine Run Coal Co.	1	1			2	2						1	7	80	37
Devil's Eyebrow															
Moffat Coal Co.	5	1	1	1	2	2	1					13	23	130	153
Moffat															
Murrin Coal Co.	1	1			1	1						6	12	75	87
Fallbrook															
Namora Coal Co.	5	1											2	12	14
Namora															
Pennsylvania Coal Co.	2	1	1	1	2	3						26	35	419	454
Erte															
No. 1	2	1	1	2	81	24	13	9				160	286	1,182	1,483
No. 5	4	1	1	7	7	9	2					41	104	439	548
Old Forge	4	1	1	2	23	24	10	7				111	203	820	1,032
Underwood	6	1	1	4	22	35	14	2				132	250	1,124	1,374
Total		5	5	21	86	88	89	18	189	12	17	460	879	3,993	4,871
Price-Fancoast Coal Co.	4	1	1	2	6	11	2	1	15	10	1	84	134	413	547
Pancoast															
Public Service Coal Co.	6		1	1	2	3	1	1	5		2	17	32	200	232
Marshwood															
Racket Brook Coal Co.	1	1	2	2	4	10	1	1	5	3	8	43	80	269	349
Racket Brook															
Raub Coal Co.	7				1							8	9	123	132
Austin Tunnel															
Roaring Brook Coal Co.	4	1		1	1	1					1		5	53	58
Roaring Brook															
Serauton Coal Co.	4		1	1	1	10	1					48	63	518	581
Capoue															
Johnson	6	1	8	7	7	15	1	2	16		2	123	170	456	607
Johnson															
Mt. Pleasant	4	1		1	1	6					2	14	24	214	238
Ontario	6	1	7	11	15	15	6	5	4	11	4	87	151	455	605
Pine Brook	4	1	4	1	13	4	4		8	3	3	112	144	1,044	1,188
Raymond	2	1	2	2	14	14	1	6		3	1	26	51	439	490
Richmond No. 3	6	1	1	2	11	11	1				1	12	28	117	145
Richmond No. 3															
Riverside	2	1	2	3	3	20	3	1	10	2	1	44	87	379	466
Riverside															
West Ridge	3										1	1	2	31	33
Total		7	20	26	104	104	17	14	33	16	16	467	720	3,893	4,413

Table 8—Number of each class of employes outside, 1928—Continued

Operators and Collieries	District	Superintendents	Foremen	Machinists	Carpenters	Engineers and Driven	Machinists	Trackmen	Statepickers (Boys)	Statepickers (men)	Office employes	All other employes	Total outside	Total inside	Grand total inside and outside
<b>LACKAWANNA COUNTY—Cont'd.</b>															
South Penn Collieries Co.	3					28	9			1	7	85	97	642	739
Legitza Creek	3	1	1	3	15	10	14	5		1	15	80	154	610	764
Von Storch															
<b>Total</b>		1	2	7	27	38	28	5		2	22	124	251	1,952	1,503
<b>Spencer Coal Co.</b>															
Spencer	6	1	1	1	2	3	1				3	13	25	184	209
Sunrise Coal Co.															
Sunrise Stripping	2			1		3		4					8		8
Yumple Coal Co.															
Northwest	1	1	2	2	3	14	1	4	15		2	50	92	206	298
Sterrick Creek	2	1	2	2	4	15	3	2	23		4	117	173	537	710
<b>Total</b>		2	4	4	7	29	4	0	38		6	167	265	833	1,098
<b>Throop Coal Co.</b>															
Throop	6	1			1	1					1		4	16	20
Grippen															
West Jermya Coal Co.															
West Jermya	2			1								2	3	19	22
<b>Grand total</b>		50	79	188	417	695	159	109	451	250	280	4,087	6,726	80,102	86,828
* See Susquehanna County.															
* See Wayne County.															
<b>LUZERNE COUNTY</b>															
Alden Coal Co.	14	1	1	3	7	15	3	2	3	3	9	89	130	682	812
Alden															
Barry Coal Co.															
Barry Stripping	12	1	1	1	1	12		2	5			14	17		27

Buck Mountain Coal Mining Co.	15																	55	187	102
Gowen																				
Oilford Coal Co.	7																	35		35
Clifford																		16		16
Clifford Stripping	7																			
Total																		51		51
John Conlon Coal Co.	10																	8	44	52
Conlon																		35	335	390
Madeira	10																			
Total																		63	379	442
Coxe Brothers & Co., Inc.	15																	116	723	869
Deringer & Tomblaken	15																	251	344	595
Eckley & Buck Mountain	15																	111	586	397
Total																		478	1,353	1,861
B. M. Cranston	6																	4	21	25
Cranston																				
Charles M. Dodson & Co.	16																	153	251	405
Beaver Brook																				
East Alden Mining Co.	14																	9	39	48
East Alden																				
East Boston Coal Co.	10																	130	404	524
East Boston																				
Fox Hill Mining Co.	10																	3	40	43
Fox Hill																				
Glen Alden Coal Co.	14																	52	529	581
Auchincloss																		146	433	581
Avondale	13																	200	921	1,121
Bliss	14																	48	459	457
Bliss																				
Haltstead	7																	263	1,533	1,853
Loomis	13																	71		71
Loomis																				
Loomis Power Plant	10																	205	563	1,165
Pettebons	13																	252	2,318	2,610
Truesdale	13																	233	1,319	1,602
Woodward	12																			
Total																		1,622	8,427	10,049
Grand Tunnel Coal Co.	13																	50	203	233
West Nanticoke																				
Haddock Mining Co.	10																	64	421	485
Black Diamond																				



Table 8—Number of each class of employes outside, 1928—Continued

Operators and Collieries	District	Superintendents	Foremen	Blacksmiths	Carpenters	Engineers and Firemen	Mechanics	Trackmen	Statepickers (boys)	Statepickers (men)	Office employes	All other employes	Total outside	Total inside	Grand total inside and outside
<b>LUZERNE COUNTY—Cont'd.</b>															
Haver Coal Co.	18		1	2	1	9	1		2		1	18	23		23
Oulick Washery		1			1	3			2			2	0	29	38
Harris-Denly Coal Co.	9														
Kintz		1	2	1	5	19	2	3	9	2	2	64	110	1	111
Hazle Brook Coal Co.	16	1	1	2	2	25	3	3	13	4	3	46	103	163	206
Hazle Brook		1													
Upper Lehigh		2	3	3	7	44	5	6	22	6	5	110	213	154	367
Total															
Hillside Coal & Iron Co.	7	1	1	5	20	30	13	15	13	3	1	137	239	1,027	1,250
Butler															
Hudson Coal Co.	11	2	3	4	17	55	12			24	22	153	292	612	904
Baltimore No. 5	11			1		9	3					6	19	335	374
Baltimore Tunnel	7	1	2	1	4	13	1	1			3	62	88	311	390
Lafin	12	3	5	3	23	33	11			30	34	301	493	2,049	2,547
Loree No. 5—Boston	10	3	4	7	19	53	14	1		35	23	213	372	1,607	1,979
Pine Ridge															
Total		0	14	21	63	213	41	3		89	32	735	1,969	4,734	6,003
Jeddo-Highland Coal Co.	15		1	2		11		2			2	33	51	137	178
Highland No. 2	15		1	2	5	18		2		21	2	105	159	563	727
Highland No. 5	15		3	7	11	29		14		16	4	221	306	763	1,091
Jeddo No. 4	15	1	1	2	2	8					2	36	51	166	157
Jeddo No. 7	15		1	2	2	8									
Total		1	6	13	18	66		15		37	10	293	567	1,586	2,153
John Ames Coal Co.	11	1	1		1	4					1	20	20		35
Franklin Washery									5						



Table 8—Number of each class of employees outside, 1928—Continued

Operators and Collieries	District	Superintendents	Foremen	Blacksmiths	Carpenters	Engineers and firemen	Machinists	Trackmen	Statepickers (Boys)	Statepickers (men)	Other employes	All other employes	Total outside	Total inside	Grand total inside and outside
<b>LUZERNE COUNTY—Continued</b>															
Lehigh-Wyoming Valley Coal Co.	7	1	1	1	3	4		3	0		1	23	42	140	184
Florence															
Lynott & Brown	8	1	1								1	12	15		16
Stripping															
Miners Mills Coal Mining Co.	10	1	1	1	1	3					1	10	18	141	159
Miners Mills															
Mt. Lookout Coal Co.	9	1	1	2	6	14	3	1	8		3	61	100	309	469
Mt. Lookout															
Nanticoke Valley Coal Co.	14	1	1		4	2		2	1			42	53		53
Nanticoke Valley Coal Co.															
Nanticoke No. 5 Washery	16		1	2	4	9	3	2			2	18	41	318	367
Fardee Brothers & Co., Inc.	15	1	1	6	24	37	15	7	4	10	18	164	280	671	835
Beaver Brook															
Lattimer															
Total		1	2	7	29	46	78	9	4	25	15	182	327	887	1,214
Pennsylvania Coal Co.															
Central	7	1	1	2	7	12	4				1	38	66	443	505
Ewen	8	1	2	5	25	42	19	1	40		2	137	294	1,164	1,458
No. 6	8	1	1	6	23	37	7	2	27		6	130	250	1,000	1,348
No. 9	8	1	1	5	24	40	18	1	56	1	3	162	338	1,302	1,680
No. 14	8	1	1	5	33	31	15	2	39	2	9	158	289	1,292	1,571
Total		5	6	20	122	168	63	0	105	3	21	645	1,227	5,500	6,708
Pittston Coal Mining Co.															
Hadleigh	13	1	3	1	3	11	1	1	1	5	1	17	44	191	196
Plymouth Red Ash Coal Co.	12				1	5	1		4		2	9	20	49	69
Red Ash															
T. F. Quinn Coal Co.	7	1	1	1	2	8			27	3	2	13	58	133	183
Consolidated															



Table 8—Number of each class of employes outside, 1928—Continued

Operators and Collieries	District	Superintendents	Foremen	Blacksmiths	Carpenters	Engineers and fitters	Machinists	Trackmen	Stateplekers (boys)	Stateplekers (men)	Office employes	All other employes	Total outside	Total inside	Grand total inside and outside
<b>NORTHUMBERLAND COUNTY—Cont'd.</b>															
Phila. & Reading Coal & Iron Co.															
	23	1	1	1	4	27	1	2	27	14	6	48	90	482	572
	24	1	1	4	3	33	3	5	—	—	6	130	295	569	864
	24	1	1	2	13	35	1	—	—	—	7	144	247	779	1,026
	24	1	1	2	9	35	1	5	31	—	8	120	215	513	728
	28	1	1	2	15	36	2	9	57	3	8	139	223	794	1,117
	24	1	1	1	9	27	1	5	18	3	6	50	159	222	381
	23	1	1	2	7	31	1	1	31	—	6	92	173	476	649
		7	7	15	60	227	10	25	207	20	43	802	1,443	3,875	5,318
Shamokin Coal Co.															
	24	1	1	2	6	11	1	1	3	—	4	59	86	242	330
Shamokin Colliery Co.															
	23	1	1	1	4	4	—	2	8	—	1	56	78	—	78
South Penn. Collieries Co.															
	24	1	1	1	2	11	1	—	—	1	1	17	26	53	86
Stevens Chapin Coal Co.															
	23	1	1	1	2	4	—	—	2	2	1	30	44	—	44
Susquehanna Collieries Co.															
	24	—	2	4	18	19	3	3	17	—	11	129	206	632	838
	24	—	4	6	17	28	4	2	13	—	12	160	246	638	874
	23	1	2	4	16	18	9	2	17	—	13	119	201	804	1,005
	23	—	3	4	14	24	6	6	22	—	13	120	222	811	1,133
	23	—	2	6	16	20	4	1	22	—	23	115	202	787	989
		1	13	24	51	199	25	14	91	—	62	655	1,077	3,762	4,839
		10	27	64	200	422	72	53	382	44	126	2,002	3,431	10,306	13,737

**SCHUYLKILL COUNTY**

19	Black Heath Coal Co.	1	1	1	1	1	1	1	2	1	9	15	12	27
19	Black Heath	1	1	2	8	11	1	10	10	5	118	157	484	641
18	Buck Run Coal Co.	1	1	1	1	1	1	1	4	1	4	15	37	52
16	Chestnut Hill Coal Co.	1	1	4	8	23	6	6	1	3	68	117	367	484
22	Coxe Brothers & Co., Inc.	1	1	2	11	7	3	2	14	7	70	122	336	458
18	East Bear Hedges Colliery Co.	1	1	1	2	3	1	4	5	1	18	39	80	119
18	East Bear Ridge	1	1	2	2	3	1	1	5	1	21	38	75	113
16	Frackville Coal Co.	1	10	6	9	23	4	11	3	7	118	201	738	939
18	Lucenna	1	1	1	2	3	1	4	5	1	18	39	80	119
22	Gorman & Campion Coal Co.	1	2	1	2	3	1	1	5	1	21	38	75	113
21	Bell	1	1	5	19	19	4	2	25	6	116	202	635	737
25	Haddock Mining Co.	1	1	2	7	7	2	3	20	6	81	134	254	388
22	Candlemas	2	2	7	20	26	6	5	45	12	197	326	789	1,125
21	Salem	1	10	7	9	24	4	11	3	7	130	205	778	983
<b>Total</b>		4	6	6	27	72	6	4	21	19	232	409	702	1,111
22	Harleigh-Brookwood Coal Co.	1	1	1	3	14	2	1	1	5	27	59	111	169
18	Lawrence	1	1	2	4	27	1	1	7	3	67	114	229	342
21	Thomas	1	1	2	15	23	2	2	8	10	100	163	180	246
25	Hazen Brook Coal Co.	1	1	3	5	8	1	2	6	4	38	69	168	252
22	Glard	1	1	1	3	14	2	1	1	5	27	59	111	169
18	Maryd	1	1	2	4	27	1	1	7	3	67	114	229	342
21	Haven Run	1	1	2	15	23	2	2	8	10	100	163	180	246
25	Westwood	1	1	3	5	8	1	2	6	4	38	69	168	252
<b>Total</b>		4	6	6	27	72	6	4	21	19	232	409	702	1,111
22	Laurel Coal Mining Co.	1	1	1	1	4	1	1	1	1	12	22	57	70
18	Lehigh Coal & Navigation Co.	3	3	3	9	22	10	1	13	3	106	178	523	741
17	Alliance	2	5	7	24	59	28	15	1	8	231	381	1,109	1,490
17	Cosdale	3	3	3	9	19	17	6	7	2	137	226	603	829
17	Greenwood	1	1	2	12	31	10	6	1	3	101	178	603	781
18	Rahn	1	1	2	13	34	12	4	6	1	113	194	658	852
18	Tamaqua	1	1	2	13	34	12	4	6	1	113	194	658	852
<b>Total</b>		10	16	17	81	165	86	32	26	8	690	1,157	3,496	4,653
18	Lehigh Valley Coal Co.	1	1	5	16	30	8	2	4	2	96	165	616	781
21	Buck Mountain	1	1	2	1	5	1	1	1	1	8	16	346	362
21	Packer No. 2	1	1	2	1	5	1	1	1	1	8	16	346	362

Table 8—Number of each class of employes outside, 1928—Continued

Operators and Collieries	District	Superintendents	Foremen	Blacksmiths	Carpenters	Engineers and firemen	Mechanics	Trackmen	Statepickers (boys)	Statepickers (men)	Office employes	All other employes	Total outside	Total inside	Grand total inside and outside
<b>SCHUYLKILL COUNTY—Cont'd.</b>															
Lehigh Valley Coal Co.—Cont'd.															
Packer No. 3	21	1	1	1	19	20	5	4	6	3	5	1	5	183	188
Packer No. 4	21	1	2	4	18	13	7	1	8	4	6	113	100	339	339
Packer No. 5	21	1	2	4	18	13	7	1	8	4	6	120	185	600	600
Park	20	1	2	6	12	83	3	9	5	2	2	150	241	945	945
Springdale Washery	20	1	1	6	3	8	3	1	3	1	1	85	63	52	52
Total		2	7	22	71	120	23	17	26	9	10	532	854	2,403	3,317
Lehigh & Wilkes-Barre Coal Co.	16	1	2	2		51			27		4	200	287	707	1,051
Anderson No. 4	16	1	3	4	21	3	2	10			8	81	82	63	145
Honey brook															
Total		1	5	6	21	54	2	10	27		12	281	369	830	1,196
Locust Mountain Coal Co.	21	1	6	7	11	28	10	25	16	14	16	222	366	275	641
Weston															
Lyle Coal Co.	19	1	1	2	16	45	5	1	17	5	14	117	225	525	750
Lyle															
Mill Creek Coal Co.	18	2	7	7	41	21	1	4	22	5	4	79	190	515	705
Mores															
Phila. & Reading Coal & Iron Co.	22	1	1	2	3	7	2	1	9	8	1	35	63	75	143
Bancroft	22	1	1	3	11	49	2	1	20	2	5	125	250	295	525
East	22	1	1	4	15	50	1	5	18	2	10	172	280	785	1,015
Brookside	25	1	1	3	12	28	1	4	25	9	6	127	216	615	831
Eagle Hill	13	1	1	3	7	41	4	1	20	14	8	161	272	605	877
Shangwan	20	1	1	3	10	44	2	2	29	7	9	125	225	545	845
Gilberton	22	1	1	3	10	44	2	2	29	7	9	125	225	545	845
Good Spring	25	1	3	3	18	34	5	9	23	7	7	143	250	610	863

Hammond	21	1	1	1	1	4	5	18	11	0	57	182	431	618
Lincola	25	1	1	2	14	2	7	16	6	6	111	294	796	990
Mabany City	30	1	1	2	8	1	1	30	4	7	92	165	459	624
Maple Hill	30	1	1	4	4	4	8	31	2	0	174	292	728	1,160
Middle Creek Washery	25	1	1	1	1	1	8	.....	.....	1	23	43	48	.....
North Mahanoy	20	1	1	3	10	3	6	26	6	6	104	196	486	681
Orto	19	1	1	4	14	1	1	22	8	0	142	219	474	668
Phoenix Park	19	1	1	1	5	1	1	.....	.....	1	7	9	.....	9
Pine Forest Washery	18	1	1	5	13	1	14	46	3	2	65	97	.....	97
Pine Knot	19	1	3	5	8	2	2	.....	.....	8	263	806	786	1,181
Reverdale	18	1	1	2	8	4	3	.....	.....	3	140	149	152	332
Shenandoah City	21	1	1	3	8	4	4	12	17	12	131	241	761	992
Silver Creek	18	1	1	3	16	2	2	33	5	6	189	283	682	918
Tunnel Ridge	20	1	1	3	10	1	1	9	15	7	168	192	492	624
Wadsworth	18	1	1	2	15	2	1	27	6	9	132	245	671	816
West Shenandoah	21	1	1	5	10	1	7	27	3	8	143	245	786	981
<b>Total</b>		19	80	65	217	784	45	75	453	155	143	4,642	11,296	15,228
Pine Hill Coal Co.	19	1	1	6	14	11	12	9	9	6	126	198	539	737
Oak Hill	10	1	1	5	18	17	16	4	16	6	130	223	746	989
<b>Total</b>		2	2	10	32	98	28	13	18	90	13	401	1,285	1,706
Supplier Coal Co.	19	1	1	2	5	9	2	3	10	3	57	93	386	479
New Castle	18	1	5	4	11	30	7	4	1	5	177	211	339	500
Saint Clair	19	1	1	1	3	5	3	1	2	6	28	65	133	185
Sherman Coal Corp.	18	1	1	2	3	6	2	2	.....	2	22	44	158	202
South Penn Collieries Co.	21	1	2	7	13	28	5	.....	13	9	76	168	427	545
Wm. Penn		57	111	185	630	1,523	243	213	739	271	5,972	10,263	25,865	35,098
<b>Grand total</b>		8	34	4	9	94	8	6	13	9	61	126	442	608
<b>SULLIVAN COUNTY</b>														
OConnell Anthracite Mining Co.	10	1	1	3	8	15	3	5	10	2	48	104	261	463
Connelly		1	2	1	1	6	.....	.....	3	1	3	22	81	108
Northern Anthracite Coal Co.		2	3	4	9	24	8	6	13	3	61	126	442	608
Murray														
<b>Grand total</b>		2	3	4	9	24	8	6	13	3	61	126	442	608



Table 8—Number of each class of employes outside, 1928—Concluded

Operators and Collieries	District	Superintendents	Foremen	Blacksmiths	Carpenters	Engineers and firemen	Mechanics	Trackmen	Statepickers (boys)	Statepickers (men)	Other employes	All other employes	Total outside	Total inside	Grand total inside and outside
<b>SUSQUEHANNA COUNTY</b>															
Hillside Coal & Iron Co.	1	1	1	3	4	18	6	4	22	1	6	87	153	640	793
Forest City															
Hudson Coal Co.															
Clinton <sup>1</sup>	1														
<sup>1</sup> See Wayne County.															
<b>WAYNE COUNTY</b>															
Hillside Coal & Iron Co.	1	1	2	2	2	14	5			2	11	77	116	391	507
Forest City <sup>2</sup>															
Hudson Coal Co.															
Clinton															
Vandling Coal Co.															
Northeast	1	1				1						1	8	12	15
Grand total		2	2	2	2	15	6			2	11	78	119	403	522
<sup>2</sup> See Susquehanna County.															
Grand total all counties		215	449	604	2,348	4,870	1,008	600	2,569	932	1,306	21,568	96,659	134,102	160,721

TABLE  
OF  
INSPECTION DISTRICTS 1927-1928

<i>District</i>	<i>Inspector</i>	<i>Headquarters</i>
1	William Reid .....	Carbondale
2	P. J. Moore .....	Carbondale
3	L. M. Evans .....	Scranton
4	Augustus McDade .....	Taylor
5	S. J. Phillips .....	Scranton
6	*David T. Williams .....	Scranton
7	Bert Golden .....	Scranton
8	Joseph J. Walsh .....	Wilkes-Barre
9	Edwin C. Curtis .....	Kingston
10	John B. Corgan .....	Kingston
11	Thomas J. Williams .....	Kingston
12	D. T. Davis .....	Wilkes-Barre
13	Frank Kettle .....	Nanticoke
14	John L. Picton .....	Plymouth
15	David J. Roderick .....	Hazleton
16	J. J. Stickler .....	Hazleton
17	William J. Clements .....	Coaldale
18	Timothy A. Ryan .....	Pottsville
19	Charles G. Fromme .....	Pottsville
20	P. C. Fenton .....	Mahanoy City
21	William R. Bottomley .....	Shenandoah
22	James Quigley .....	Mount Carmel
23	B. I. Evans .....	Mount Carmel
24	P. J. Friel .....	Shamokin
25	Charles J. Price .....	Lykens

\*Died December 31, 1928.

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