

State inspector of coal mines reports

Section 87, Pages 2581 - 2610

These reports of the Kansas State Mine Inspector mostly concern coal mining, though by 1929 the scope of the reports broadens to include metal mines. The content of individual reports will vary. The reports address mining laws and mining districts; industry production and earnings; fatal and non-fatal accidents; accident investigations and transcripts of oral interviews; labor strikes; mine locations; mining companies and operators; and proceedings of mining conventions. The reports document the political, economic, social, and environmental impacts of more than seventy years of mining in southeastern Kansas.

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One of the Kansas strip mines, showing loaded cars being pulled out by engine.

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NONFATAL ACCIDENTS.

On account of some extraordinary accidents occurring at mine No. 45 of the Central Coal and Coke Company, at Ringo, Kan., I feel that it is my duty to include a report of them here. The following men employed as shot firers at that mine were burned by methane or marsh gas which was ignited by coming in contact with a naked light that the shot firers use to fire shots in the mine:

On August 6, 1915, Frank Roitz, a shot firer, employed two days.

On August 11, 1915, Elmer Porphir, a shot firer, employed for over a year at that mine.

On August 11, 1915, Jules Colney, tracklayer and extra shot firer, employed for that night.

On August 13, 1915, Wm. Boyd (colored), shot firer, employed two days previously.

On August 16, 1915, Ed Johnson and Hampton Wynn, shot firers; Johnson's first shift and Wynn's third shift.

The cause of these accidents is explained as follows: Before the shot firers enter the mine they have the fan slowed down or stopped, which will cause firedamp to accumulate in some of the working places where there is not a sufficient current of air to dilute, carry off or render harmless the explosive gases, and as soon as a naked light comes in contact with these gases they ignite and cause an explosion. Now the evidence received from the injured men at that mine shows that they ignited the firedamp with a naked light they used to light the shots in the mine. To prevent accidents while firing shots there should be a law enacted to provide that the shots be fired by a device operated from the surface, so it will not be necessary for men to be in the mine while shots are being fired.

Nonfatal accident. Investigated by Sherwood. Accident to Frank Roitz, shot firer at mine No. 45 of the Central Coal and Coke Company, on August 6, 1915.

Frank Roitz, after being duly sworn, testified "I am employed as shot firer at mine No. 45 of the Central Coal and Coke Company, and on August 6, 1915, I was burned by gas in the angle north back entry. I started to work at the usual time, about 4:30 p. m. I fired the first south entry first, and then the second south, and then the third south, and then I went in the angle north main entry to where an entry turns west. I think it is called the third west. It is the first place working, and I tamped the shots in that entry. There were two shots in the back and in the main entry there was just one to tamp. I tamped it; then I went to the face of angle north and tamped one cutting shot. I then went through to the back entry and tamped a shot in the crosscut. It was shot with dynamite, and the one in the face was a horseback shot which was also shot with dynamite. I then came back to the west entry and started to light the shots. I lit two in the back west and two in the straight. One was a coal shot and the other was a brushing. I then went to the face of the angle north and lit three shots, one cutting, one rib and one brushing. I then went over in the back angle entry and lit two shots; both were shot with dynamite. I had my lamp in my hand. I started out the back entry to get in the first room, and when I was out about 150 feet I saw the fire coming meeting me. I fell down. It went to the face and came back out. I don't know how far the fire went outside of where I laid. I had my lamp in my hand all of the time. I had the Dräger apparatus with me and I put it to my mouth and started out. There was so much smoke and heat that I could not tell how things looked, for I was in the dark till I came close to the main east, and then I lit my lamp. I had tried to light my lamp at the second east, but a match would not light

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at all till I got nearly out to the main east. There is where I lit my lamp and came on to the bottom. I met Elmer Porphir on the bottom and he rung for a cage and we went on top. I could not find any oil to put on me. I went to the washhouse and started to wash. That is when I first knew that I was burned badly. I changed clothes and went to Alex. McAllister's place and they dressed my burns with some kind of salve and I then went on home. Mr. McAllister sent for a doctor and he came and redressed my burns. The night before this I met a lot of smoke between the second east and room No. 16, and about the same place as I saw the fire coming from the night I was burned."

Statement of Mr. Frank Roitz: "I was going out of the angle back north entry with my face toward the bottom and was near room 16 and met the fire coming in and the fire went toward the face and came back over me."

John Bertinio, after being duly sworn says: "O one occasion I had only mark on the board on top, but had three marks on the outside of my brushing, and on one occasion I was marked out and was told by Mr. Dunn, who was fire boss at that time, that he did not have time to go in with me, but I was told by my partner that the fire boss had told him to brush our place with something before working."

James Kent, after being duly sworn says: "On the 7th day of August 1915, I examined the west side of mine No. 45 of the Central Coal and Coke Company, and I did not find any dangerous condition anywhere. I also examined the north east angle back on the east side of mine and found it in a safe condition. On the 31st of July I told Mr. Prideaux not to mark two crosses on the board for the northeast angle; that I would protect the men working in that entry."

Statement of Deputy Inspector Paisley: "I visited mine No. 45 of the Central Coal and Coke Company on August 7, 1915, and examined the board on top and the record book kept in the engine room and did not find any marks that indicated danger to any one working in the mine."

Statement of Elmer Porphir, after being duly sworn, on August 7, 1915:

Q. State your name. A. Elmer Porphir.

Q. Where are you employed? A. At mine No. 45 of the Central Coal and Coke Company.

Q. What is your occupation? A. Shot firer.

Q. State all that you know about this accident in which Frank Roitz was injured on August 6 at mine No. 45 of the Central Coal and Coke Company. A. I was just nearing the door on the first north on the east side and had all of my work finished. I felt a windy shot and came out and told the fireman that I was going after my buddy. I had quite a little difficulty in getting in at first, but when I got started in past the first north I saw he was coming. I walked back to the bottom and waited for him and asked him if he was done firing. He said "No, Elmer, I am not; I am burned." I asked how it happened, and he said, "I know now how Jimmy got killed. He had a windy shot and lit the gas. I could see gas burning all over me." I asked him if he had his Dreager with him. He said yes, and said if he did not have his Dreager he would have been dead. I brought him on top and looked for linseed oil to put on him, but could not find any. I asked him if he wanted a doctor and he said, "It won't be necessary." I told him if I was him I would not wash myself and go home the way he was. I called John Dunn at Girard some time before I could get him, because I had to get him through a messenger. When John Dunn arrived at mine No. 45 I asked if he had a doctor for my buddy and he said the doctor stopped off at the house. John asked me how it happened and I told him as Frank had told me. I went back into the mine with John Dunn, foreman, and Albert Toussiant, room boss. I said, "Well, if somebody will stay with me I will finish shooting the shots." John said, "Albert, you will stay with him, won't you."



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Toussiant said, "No, sir." So I said, "You fellows get away and stay in the clear and I will finish up." Toussiant stayed and I started shooting and that encouraged him and he stayed with me from the first east until I was finished, but he did not come into the second north.

Q. Did Frank Roitz have a Dreager apparatus on when you saw him?

A. Yes, sir. I asked him how it worked, and he said it worked all right.

Q. Have you any idea as to what caused this explosion? A. My judgment would be that he lit a windy shot, causing pressure on that gas which would really make the blaze expand greater than it would if standing still.

Q. Have you any idea of where that gas come from? A. In my opinion I believe it came out of the back entry from a horseback and some from the straight entry, and a windy shot ignited the gas and caused Frank Roitz to be burned.

Q. How do you fire your part of the mine? A. I generally take an easy entry first to get warmed up on, and then I go to my dangerous entry and fire that, and if it is on the other side of the mine I shoot the dangerous entry first; it saves me a lot of walking. That is the way I generally shoot. I could not explain how I shoot; it all depends on the conditions in the mine. I always try to make it a point when I get near the face to get two entries and a couple of room turns on each entry and make my get-away as far as I can from the shots at the face. If I find that there is too much gas in those entries I leave everything in the surroundings where I think the fire might light the gas. When I get in a close place that way I always see whether there is any powder lying around.

Q. Did you condemn any shots on August 6 on Frank Roitz's run?

A. Yes, I think I condemned two, but I can't remember where.

Q. Is there any way to safeguard that part of the mine so these accidents would not happen any more? A. I think so.

Q. What is it? A. I think if they had a proper sprinkling system and the crosscuts all six feet wide and three feet high that it would prevent all of these accidents, because in case of a windy shot if there is a narrow crosscut it will shoot through there and raise all of the dust, where if there is ample room for expansion you will hardly have any windy shots.

Nonfatal accident. Investigated by Pellegrino. Accident to Elmer Porphir, shot firer at mine No. 45 of the Central Coal and Coke Company, on August 11, 1915.

Elmer Porphir, after being duly sworn, states: "On August 11, 1915, I went in mine No. 45 of the Central Coal and Coke Company to perform my usual duty as a shot firer at that mine. I had good luck in firing and had my own work done. I came out on top and I found out that my buddy went home and never finished his run. I took the tracklayer with me and we went back in the mine to finish firing my buddy's run. We fired the first east off angle north first, then the straight east, then the fourth south, then the third south, and we got into the second south back entry on the east side, and I said to my buddy, 'Be a little careful, for the entry is raising in a little pitch and there might be a little gas accumulated in that entry at the present time.' I went over an empty car and got about six feet behind the car when I set the gas on fire without having any idea that there was any gas in that entry, for the blackboard was clear on top, and I did not believe that there would be enough gas to amount to anything in that entry on account of the blackboard on top being clear before I went in the mine. As soon as I found out what happened I looked for my buddy, and as soon as I found him I drug him for some distance and then told him to get hold of my belt so we would get out together. After getting on top I put linseed oil on his hands and the fireman took care of me and we then proceeded home. We did not have our Draeger apparatus with us."

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Joe Stuss, after being duly sworn, states: "I am gas man at mine No. 45 of the Central Coal and Coke Company, and I run the second south back entry on the west side on August 11, 1915, and I found that there was only a half cap of gas in that entry on that day. On August 12 I found only about a half cap of gas in that entry again. I asked one man—and I suppose he is the man that works in that entry; I believe his name is Angel—if he lit any gas yesterday, and he said that he worked all day with an open light in his place."

John L. Dunn, mine foreman, after being duly sworn, states: "The night watchman, Thomas Solomon, stated to me that on August 6, 1915, that he run the fan about 15 revolutions per minute while the shot firers were in the mine, under arrangements made with the shot firers. The injured men, Emil Porphir and Jules Colney, came out of the mine on August 11 at about 8:45."

T. B. Patterson, engineer, after being duly sworn, states: "I am the engineer at this mine and the fan runs, as near as I can tell, between 70 and 75 revolutions per minute, and I try to keep it running that way when the mine is working."

Nonfatal accident to Jules Colney, track layer at mine No. 45 of the Central Coal and Coke Company, on August 11, 1915.

Jules Colney, after being duly sworn, states: "I went over to the mine to telephone and the pit boss asked me to go down with the shot firer from the west side of the mine, because the shot firer on the east side of the mine had gone and not completed his work. I went with Elmer Porphir to fire the east side of mine No. 45. We went in the first east in the north angle and fired all of the shots, and then we went in the straight east and fired all the shots, and then we went to the fourth south on the east side and fired all the shots, then we went in the third south and fired those shots, and then to the second south, and that is where we met the gas just inside the crosscut, and the crosscut was about 60 feet from the face. When we came to the crosscut Porphir told me to go in the crosscut and tamp the shots in the back entry and he would fire them in the straight. There was a loaded car standing in the entry about half way between the face and the crosscut, and the entry was narrow and he could not pass it, but had to crawl over the top of the car, and I think that is when he lit it, for he had kept his light down and told me to look out for the gas. I was in about half way through the crosscut when the gas was lit. I took my cap and placed it over my mouth and crawled out to the entry, and the gas was still burning. I saw Porphir crawl back over the car, and he told me to come on; he was burnt too. I put my hand on his back and he took me out to the bottom. If he had not been with me I don't think I would have got out at all. We were hoisted on top and called for the night engineer, and he gave us some linseed oil and we rubbed some on us, and I went home and my wife bandaged me up. I could not sleep all night and I called Doctor Pierce this morning and he dressed my burns. I feel pretty easy this morning. I have been in the employ of the Central Coal and Coke Company just one week. I was gas man for the Wear Coal Company for three years."

Nonfatal accident. Investigated by Kotzman. Accident to Wm. Boyd, shot firer at mine No. 45 of the Central Coal and Coke Company, on August 13, 1915.

Wm. Boyd, after being duly sworn, says: "I have been employed by the Central Coal and Coke Company, as shot firer, at their mine No. 45 at Ringo since the 11th day of August, 1915. I went to work on the 13th day of August and started to fire the fifth north on the east side and fired all the cross entries, then I went to the third south and fired it, and came back to second south and then into the first south and fired all those shots; then I went to the first east on south and fired those shots; then I went to second east and fired them; then I came back to the straight south, and about fifteen or twenty feet in, to my judgment, was

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the shot that lit the gas, and that shot was fired in the second east. As I tried to go south I saw the fire. I fell down and protected my face. When I turned around I saw the flame going to the bottom, and part of it went to the face of the entry. I met my buddy and he asked me if I had a light, and I told him no. Then he said, 'Are you burned?' I said, 'Yes, bring me a light.' He was sitting in a crosscut and I went in there too, and we then went back into the back entry on the south and sat there a few minutes and then we finished the rest of the entries and then went on top."

Nonfatal accident. Investigated by Kotzman and Paisley. Accident to Ed Johnson and Hampton Wynn, at mine No. 45 of the Central Coal & Coke Company, on August 16, 1915.

Ed Johnson and Hampton Wynn, after being duly sworn, said: "This was Johnson's first shift and Wynn's third shift as shot firers in mine No. 45 of the Central Coal and Coke Company. We had fired all of the shots on the east side except the first south, and had fired the first east off first south and were going to the face of the first south to tamp some shots. We were going with our lamps close to the bottom and was just inside of the curtain between the second east and the smoke room off first south and believe we were about 140 or 150 feet from the face of the first south entry when we lit the gas with our lights. Johnson told the night fireman not to cut the fan down below forty revolutions per minute and was told by the fireman when he came out that he run the fan at that rate."

NUMBER OF NONFATAL ACCIDENTS AND THEIR CAUSES,

Last Six Months of Calendar Year 1915.

Fall of rock	122
Injury by cars	97
Miscellaneous	87
Igniting gas	43
Pushing cars	27
Caging or working on bottom	20
Lifting cars on track	17
Injured by mule	13
Injury to eye	12
Bad air	8
Injury to shot firers	6
Burned by steam pipes	5
Explosion of powder and dynamite	2

Total 459

NONFATAL ACCIDENTS IN DETAIL,

July 1, 1915, to January 1, 1916.

JULY.

1. Ed Long, eye inflamed by piece of sulphur flying in eye. July 1. Mine No. 11, Sheridan Coal Company.
2. R. Chizzia, foot bruised by cars. July 1. Mine No. 9, Howe Coal Company.
3. Fred Wade, shoulders and chest bruised by fall of rock. July 2. Mine No. 15, Western Coal and Mining Company.
4. Ignac Gorsik, knee bruised by fall of rock. July 2. Mine No. 10, Sheridan Coal Company.
5. Jim Javello, finger crushed by cars. July 2. Mine No. 10, Sheridan Coal Company.
6. Will May, finger bruised by holding same on hopper while coal was being dumped. July 3. Mine No. 49, Central Coal and Coke Company.



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7. Thomas Wilkins, injured by being kicked by mule. July 3. Mine No. 19, Wear Coal Company.
8. Wm. Pury, injured by car. July 3. Mine No. 2, Katy Coal Company.
9. John Furgeson, thumb mashed by wrench slipping while tightening bolts on boiler. July 4. Mine No. 49, Central Coal and Coke Company.
10. Martin Marchbanks, toe on left foot broken by fall of rock. July 6. Mine No. 9, Clemens Coal Company.
11. M. Sitani, leg bruised by fall of rock. July 6. Mine No. 19, Wear Coal Company.
12. Jake Barleck, knee injured by fall of rock. July 6. Mine No. 15, Western Coal and Mining Company.
13. M. L. Cronister, finger broken while caging car, account of coal rolling off of same. July 7. Mine No. 10, Western Coal and Mining Company.
14. Joe Gerant, shoulder bruised by car knocking out prop, permitting rock to fall on him. July 7. Mine No. 14, Western Coal and Mining Company.
15. Arthur Dues, leg bruised by cars. July 7. Mine No. 4, Mayer Coal Company.
16. Joe Bettan, leg injured by fall of coal. July 7. Mine No. 6, Nevius-Coulter Coal Company.
17. Ignac Burger, burned on arms and neck by gas. July 7. Mine No. 6, Dickinson Coal Company.
18. Bery Boyer, ankle bruised by cars. July 8. Mine No. 14, Western Coal and Mining Company.
19. Charles Theis, slightly bruised by fall of rock. July 8. Mine No. 9, Cherokee and Pittsburg Coal and Mining Company.
20. John O'Donnell, back sprained by lifting car. July 8. Mine No. 19, Wear Coal Company.
21. Frank Haskitt, foot injured by cars. July 9. Mine No. 43, Central Coal and Coke Company.
22. Harry Grizzle, foot cut by rail. July 9. Mine No. 43, Central Coal and Coke Company.
23. Elmer Jackson, burned by steam pipe in washhouse. July 10. Mine No. 17, Wear Coal Company.
24. Lou Roll, scalded while washing out boiler. July 11. Mine No. 15, Cherokee and Pittsburg Coal and Mining Company.
25. Steve Hulkan, head bumped while pinching down railroad cars. July 11. Mine No. 11, Cherokee and Pittsburg Coal and Mining Company.
26. John Criebert, strained self while pushing car. July 12. Mine No. 45, Central Coal and Coke Company.
27. V. Flouquet, strained back while lifting car on track. July 12. Mine No. 43, Central Coal and Coke Company.
28. George Prauser, fingers mashed by cars. July 12. Mine No. 14, Western Coal and Mining Company.
29. Earl Shopmier, finger pinched by coupling cars. July 12. Mine No. 15, Western Coal and Mining Company.
30. E. Giacomette, burned on back by gas. July 13. Mine No. 9, Cherokee and Pittsburg Coal and Mining Company.
31. James White, hand mashed by cars. July 13. Mine No. 14, Western Coal and Mining Company.
32. Joe Suschnick, shot firer, burns on face, neck and hands by gas. July 14. Mine No. 16, Western Coal and Mining Company.
33. Dave Underwood, foot bruised by shoe, and water in mine caused erysipelas to set in. July 15. Mine No. 43, Central Coal and Coke Company.
34. Joe Cheval, knee bruised by falling down while pushing cars. July 15. Mine 19, Wear Coal Company.
35. Frank Mehetti, elbow cut by fall of rock. July 15. Mine No. 15, Western Coal and Mining Company.



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36. L. Montin, breast bruised by falling on coal. July 15. Mine No. 19, Wear Coal Company.
37. Paul Jones, leg bruised by timber falling off car on leg. July 16. Mine No. 17, Wear Coal Company.
38. Victor Bocu, burned on neck and face by gas. July 16. Mine No. 4, Sheridan Coal Company.
39. C. Riggs, claims injury from bad air. July 16. Mine No. 14, Western Coal and Mining Company.
40. August Chebultz, foot bruised by cars. July 16. Mine No. 15, Western Coal and Mining Company.
41. F. Gurimerotti, burned on face and arms by gas. July 17. Mine No. 45, Central Coal and Coke Company.
42. Earl Lambertson, overcome by bad air. July 17. Mine No. 7, McCormick Coal Company.
43. Richard Lejang, foot mashed by car. July 20. Mine No. 42, Central Coal and Coke Company.
44. Joe Steel, finger injured by cars. July 20. Mine No. 15, Western Coal and Mining Company.
45. H. Jones, foot sprained and bruised by cars. July 20. Mine No. 19, Wear Coal Company.
46. Bert Cahill, body strained by mule. July 21. Mine No. 19, Wear Coal Company.
47. Chas. Young, injured by fall of rock. July 21. Mine No. 2, Katy Coal Company.
48. Tom Casalett, fell while pushing car, bruising hand. July 21. Mine No. 15, Western Coal and Mining Company.
49. Joe Kralgiz, injured by fall of rock. July 22. Mine No. 9, Fidelity Coal Mining Company.
50. F. Gognic, arm bruised by fall of rock. July 23. Mine No. 19, Wear Coal Company.
51. W. Lewis, leg bruised by fall of rock. July 23. Mine No. 19, Wear Coal Company.
52. Tom McLeod, injured nose with pick while mining off shot. July 23. Mine No. 8, Columbus Coal Company; leased by Newlands, Leggett & Co.
53. Chas. Zenionia, ulcer on right eye, caused by piece of coal striking him in eye. July 23. Mine No. 11, Sheridan Coal Company.
54. John Keck, foot severely mashed by being caught between car and rib. July 23. Mine No. 18, Western Coal and Mining Company.
55. William Howe, knee sprained by cars. July 23. Mine No. 16, Western Coal and Mining Company.
56. Wm. Jenkins, end of little finger cut off while removing timbers from cage. July 24. Mine No. 9, Howe Coal Company.
57. John Perratte, slightly injured by sticking pick in leg while throwing pick on car. July 26. Mine No. 11, Sheridan Coal Company.
58. John Spoke, leg fractured by car being moved on leg; explosion forced car, catching him between car and rib. July 26. Mine No. 18, Western Coal and Mining Company.
59. R. Pacinni, burned on head, arms, and body, as result of explosion. July 26. Mine No. 18, Western Coal and Mining Company.
60. John Early, overcome by bad air, afterdamp, and smoke as a result of explosion. July 26. Mine No. 18, Western Coal and Mining Company.
61. James Logan, burned about neck and got down in bad air in explosion. July 26. Mine No. 18, Western Coal and Mining Company.
62. Joe Kransburger, overcome by afterdamp after explosion. July 26. Mine No. 18, Western Coal and Mining Company.
63. J. Cattaneo, slipped and fell in mine, injuring knee. July 27. Mine No. 15, Western Coal and Mining Company.
64. Pete Rosaman, sulphur flew in eye while wedging down coal. July 27. Mine No. 13, Western Coal and Mining Company.



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65. John Bartelli, injured by fall of coal. July 27. Mine No. 11, Cherokee and Pittsburg Coal and Mining Company.

66. W. M. Thompson, injured by fall of rock. July 29. Mine No. 2, Katy Coal Company.

67. P. Boggio, right hand cut and crushed by fall of rock. July 30. Mine No. 12, Faulkner Coal Company.

68. Crispino Bavuso, right eye injured by piece of steel flying in eye in blacksmith shop. July 30. Mine No. 46, Central Coal and Coke Company.

69. Roy Adams, toe mashed by car. July 31. Mine No. 46, Central Coal and Coke Company.

AUGUST.

70. John Cressen, hand cut by piece of wire fastened to drill. August 1. Mine No. 19, Wear Coal Company.

71. J. Brookbanks, finger mashed by rock falling off car. August 1. Mine No. 19, Wear Coal Company.

72. Lonnie Winn, left arm bruised by cage. August 2. Mine No. 4, Mayer Coal Company.

73. A. J. Parsons, finger bruised by coal falling off car. August 2. Mine No. 15, Western Coal and Mining Company.

74. Mike Alberno, wrist sprained while pushing car. August 2. Mine No. 48, Central Coal and Coke Company.

75. Earl Nelson, gash cut on chin and over eye by mule squeezing him against rib. August 2. Mine No. 11, Sheridan Coal Company.

76. Pete Marconi, right hand slightly injured. August 3. Mine No. 16, Western Coal and Mining Company.

77. Frank Mollek, ankle sprained by falling while pushing car. August 3. Mine No. 15, Western Coal and Mining Company.

78. Matt Holt, slightly injured. August 5. Mine No. 6, Mayer Coal Company.

79. Ed Wooten, injured by fall of rock. August 5. Pankin Coal Company.

80. Leon Scheachu, injured by fall of rock. August 6. Mine No. 2, Katy Coal Company.

81. Frank Roitz, burned on face, arms, hands and back by gas. August 6. Mine No. 45, Central Coal and Coke Company.

82. Martin Planco, injured by fall of rock. August 7. Mine No. 9, Fidelity Coal Mining Company.

83. Joe Rolds, shoulder bruised by timber falling down shaft. August 7. Mine No. 15, Clemens Coal Company.

84. James Grand, hip bruised by car. August 11. Mine No. 17, Wear Coal Company.

85. J. M. Logan, finger of right hand cut off by dropping switch that he was carrying. August 11. Mine No. 14, Clemens Coal Company.

86. Wm. Endicott, ribs fractured by falling off run board between cars. August 11. Mine No. 48, Central Coal and Coke Company.

87. Jules Colney, shot firer, burned on hands and face by gas. August 11. Mine No. 45, Central Coal and Coke Company.

88. Elmer Porphir, burned on hands and face by gas. August 11. Mine No. 45, Central Coal and Coke Company.

89. Henry Mariotti, leg bruised by cars. August 12. Mine No. 15, Western Coal and Mining Company.

90. Pete Lupens, leg bruised by fall of rock. August 12. Mine No. 9, Clemens Coal Company.

91. Paul Mesjednek, leg bruised by mule stepping on him. August 12. Mine No. 15, Western Coal and Mining Company.

92. James Ballard, back strained while pushing car. August 12. Mine No. 17, Wear Coal Company.

93. Mike Ramer, leg bruised by cars. August 12. Mine No. 48, Central Coal and Coke Company.

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94. D. Delaney, nail torn off thumb while coupling cars. August 12. Mine No. 48, Central Coal and Coke Company.
95. Anton Messina, back sprained while pushing car. August 12. Mine No. 17, Wear Coal Company.
96. Wm. Boyd, burned on face and hands by gas. August 13. Mine No. 45, Central Coal and Coke Company.
97. Ed Johnson, burned on face and hands by gas. August 16. Mine No. 45, Central Coal and Coke Company.
98. Hampton Wynn, burned on heels and ankles by gas. August 16. Mine No. 45, Central Coal and Coke Company.
99. J. H. Ward, finger mashed while driving on a brushing. August 16. Smith, Scott & White strip pit.
100. Frank Dohrobinack, chest injured by falling down while pushing car. August 17. Mine No. 17, Wear Coal Company.
101. Sam Herrell, left ankle and leg strained by being caught under a car. August 18. Mine No. 6, Dickinson Coal Company.
102. Wm. H. Wickle, ankle bruised by car. August 19. Mine No. 7, Spencer-Newland Coal Company.
103. Tony Ryder, hand injured by falling off car, catching hand in check hook. August 20. Mine No. 48, Central Coal and Coke Company.
104. Tony Sutler, burned on face, arms and body by gas. August 20. Mine No. 48, Central Coal and Coke Company.
105. Joe Brunskill, head cut by rail. August 22. Mine No. 43, Central Coal and Coke Company.
106. James Santini, fingers mashed by fall of rock. August 23. Mine No. 18, Western Coal and Mining Company.
107. John Brunetti, injured by fall of rock. August 23. Mine No. 9, Jackson & Walker Coal and Mining Company.
108. Louis Giacobetti, miner, finger bruised by fall of rock. August 23. Mine No. 15, Western Coal and Mining Company.
109. Frank Mariconi, back sprained by pushing car. August 23. Mine No. 15, Western Coal and Mining Company.
110. Anton Kotnik, arms, shoulders, ear burned, lips and head cut and was bruised about body and legs, when a cross bar to which trolley was fastened fell and struck him, knocking him down on motor. August 24. Mine No. 13, Western Coal and Mining Company.
111. Anselina Boffiani, toe bruised by car. August 24. Mine No. 16, Western Coal and Mining Company.
112. Ed Colf, finger crushed by car. August 24. Mine No. 9, Howe Coal Company.
113. Louis Snyder, burned about face and left arm by gas. August 25. Mine No. 48, Central Coal and Coke Company.
114. Frank Camp, finger injured by car. August 27. Mine No. 7, Fidelity Coal Mining Company.
115. Enrico Mancini, burned on hands, arms, neck and face by gas. August 30. Mine No. 15, Western Coal and Mining Company.
116. Andrew Pogschacher, burned on arm and face by gas. August 30. Mine No. 45, Central Coal and Coke Company.
117. A. Picchonni, thumb bruised by rock. August 30. Mine No. 7, Fidelity Coal Mining Company.
118. I. W. Shaw, right eye cut by being kicked by mule. August 31. Mine No. 45, Central Coal and Coke Company.
119. George Brackett, body bruised by fall of rock. August 31. Mine No. 14, Western Coal and Mining Company.

SEPTEMBER.

120. John Lenassi, toe broken by falling timber. September 1. Mine No. 13, Western Coal and Mining Company.
121. Lenzi Achilli, miner's knee. September 3. Mine No. 19, Wear Coal Company.

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122. L. J. Anderson, head bruised by fall of rock. September 3. Black Diamond Coal Company.
123. Mick Tyrney, ankle sprained by fall of rock. September 3. Mine No. 17, Wear Coal Company.
124. George Miller, shot firer, burned on face and arms by gas. September 3. Mine No. 48, Central Coal and Coke Company.
125. Alfred Pelango, hand mashed by car. September 7. Mine No. 16, Western Coal and Mining Company.
126. A. Bevevoans, burned on arms, back and neck by gas. September 7. Mine No. 19, Wear Coal Company.
127. A. Orland, head cut by fall of rock. September 8. Mine No. 19, Wear Coal Company.
128. Louis Zemiskie, burned on face and arms by gas. September 8. Mine No. 48, Central Coal and Coke Company.
129. Jake Makar, back bruised by fall of rock. September 8. Mine No. 19, Wear Coal Company.
130. E. W. Johnson, leg injured by cars. September 8. Mine No. 6, Mayer Coal Company.
131. John McGoughey, wrist sprained by cars. September 9. Mine No. 17, Wear Coal Company.
132. Alphonse Decro, burned by gas. September 9. Mine No. 7, Fidelity Coal Mining Company.
133. Bill Thompson, injured by fall of coal. September 10. Mine No. 2, Katy Coal Company.
134. John Emmerson, knee bruised by coal falling off cage. September 11. Mine No. 48, Central Coal and Coke Company.
135. Charles Franklin, injured by cars. September 11. Mine No. 2, Katy Coal Company.
136. Fred Jones, ankle bruised by cars. September 11. Mine No. 14, Western Coal and Mining Company.
137. Steve Plantanta, head bruised by car jumping track, knocking out timber, and timber fell on his head. September 11. Mine No. 46, Central Coal and Coke Company.
138. John Knoll, head bruised by striking it against roof while jumping off car that left track. September 13. Mine No. 46, Central Coal and Coke Company.
139. Joe Barbini, foot scalded by stepping in pool of hot water. September 13. Mine No. 15, Jackson & Walker Coal and Material Company.
140. Ed. Goul, severely bruised over body when scaffold gave way while working on water tank, and fell to the ground. September 13. Mine No. 10, Western Coal and Mining Company.
141. Wm. Howe, toe mashed by car. September 13. Mine No. 16, Western Coal and Mining Company.
142. Louis Ballock, ankle sprained and arms and body bruised while helping repair water tank when scaffolding broke and fell. September 13. Mine No. 10, Western Coal and Mining Company.
143. Rafael Blasi, finger bruised by cars. September 14. Mine No. 16, Western Coal and Mining Company.
144. Antone Schreigler, foot bruised by fall of coal. September 14. Mine No. 19, Wear Coal Company.
145. Charles Cummings, mule kicked a piece of coal, striking him below right eye. September 14. Mine No. 48, Central Coal and Coke Company.
146. Joe Novak, left hand cut by drill. September 14. Mine No. 45, Central Coal and Coke Company.
147. Val Gracner, leg broken by fall of rock. September 14. Mine No. 3, Sheridan Coal Company.
148. Paul Biston, back bruised by fall of rock. September 15. Mine No. 16, Western Coal and Mining Company.
149. Chas. Kuss, finger mashed by car. September 15. Mine No. 48, Central Coal and Coke Company.

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150. John Sluga, thumb bruised by falling on thumb while working on lump car. September 16. Mine No. 6, Dickinson Coal Company.
151. Julius Zenionia, head, arm and back bruised by fall of rock. September 16. Mine No. 12, Faulkner Coal Company.
152. Ben James, head cut by piece of coal falling down mine while he was stepping off cage on bottom. September 16. Mine No. 17, Wear Coal Company.
153. W. H. Newell, hand bruised by fall of coal. September 17. Mine No. 11, Sheridan Coal Company.
154. Sylvester Clavaria, leg bruised by car. September 17. Mine No. 18, Western Coal and Mining Company.
155. Ted Munn, injured by fall of rock. September 17. Mine No. 2, Katy Coal Company.
156. Pete Yencic, injured by fall of rock. September 17. Mine No. 6, Mayer Coal Company.
157. Frank Lupic, shoulder bruised by fall of rock. September 18. Mine No. 10, Sheridan Coal Company.
158. George Hughes, finger slightly injured while removing brushing. September 18. Mine No. 7, Spencer-Newland Coal Company.
159. Geo. Pouche, left hand cut and crushed by fall of rock. September 19. Mine No. 12, Faulkner Coal Company.
160. L. Pouche, leg cut below knee by fall of rock. September 19. Mine No. 12, Faulkner Coal Company.
161. Robert Nicholson, hip sprained by pushing car. September 20. Mine No. 48, Central Coal and Coke Company.
162. S. Calvai, knee strained while pushing car. September 21. Mine No. 18, Western Coal and Mining Company.
163. John Dannish, back and right leg bruised by fall of rock. September 21. Mine No. 48, Central Coal and Coke Company.
164. H. Blecker, shot firer, burned by gas. September 22. Mine No. 48, Central Coal and Coke Company.
165. Joe Benedict, back and shoulders bruised by coal falling off shaker while changing cars. September 22. Mine No. 48, Central Coal and Coke Company.
166. G. E. Gabbot, hand bruised by car. September 23. Mine No. 14, Western Coal and Mining Company.
167. Mat Pristavc, knee injured while pushing car. September 23. Mine No. 19, Wear Coal Company.
168. Luigi Eugene, injured by fall of rock. September 23. Mine No. 4, Mayer Coal Company.
169. Matt Ryder, miner, burned by gas. September 23. Mine No. 6, Nevius-Coulter Coal Company.
170. Ed. Aubert, miner, burned by gas. September 23. Mine No. 6, Nevius-Coulter Coal Company.
171. J. B. Albertson, knee bruised by fall of rock. September 24. Mine No. 17, Wear Coal Company.
172. Tony Savote, injured by fall of rock. September 24. Mine No. 11, Fidelity Coal Mining Company.
173. A. Kurrent, back sprained while lifting car on track. September 24. Mine No. 3, Sheridan Coal Company.
174. Frank Callosel, face and arm burned by gas. September 25. Mine No. 3, Sheridan Coal Company.
175. Artillio Savant, finger mashed, being caught between sprag and timber. September 25. Mine No. 20, Wear Coal Company.
176. Joe Par, burned on arms by gas. September 25. Mine No. 45, Central Coal and Coke Company.
177. Felix Bernardi, injured by fall of rock. September 27. Dodson and Walsh Coal Company, Mine No. 7.
178. John Koluza, burned on arms, hands and face by gas. September 28. Mine No. 7, McCormick Coal Company.

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179. Leo Rushford, back sprained by pushing car. September 28. Mine No. 19, Wear Coal Company.

180. Wm. Bickle, burned on back, on neck and right side of face by gas. September 28. Mine No. 49, Central Coal and Coke Company.

181. James Powell, leg injured by fall of rock. September 29. Mine No. 15, Western Coal and Mining Company.

182. Bob Finn, nail torn off thumb by hand being caught between two pieces of rock, one on each car while coupling same. September 29. Mine No. 45, Central Coal and Coke Company.

183. John Macari, left wrist sprained, head bruised and possibly hurt internally by fall of rock. September 30. Mine No. 9, Clemens Coal Company.

OCTOBER.

184. O. Norris, finger cut by car door falling on same while caging. October 1. Mine No. 42, Central Coal and Coke Company.

185. W. McElvain, thumb crushed by pit-car wheel falling on hand. October 1. Mine No. 9, Howe Coal Company.

186. Jerry Skojanc, left knee sprained and inflamed by hitting knee on car when car jumped the track. October 1. Mine No. 45, Central Coal and Coke Company.

187. Feronel Francq, breast injured by falling against rail while pushing a car, feet slipped. October 2. Mine No. 15, Western Coal and Mining Company.

188. Sherman Neet, teamster, left side severely bruised by falling off wagon load of hay, striking side against flange of wagon box, while loading hay. October 2. Mine No. 11 Jackson & Walker Coal and Mining Company.

189. J. B. LeRoy, right foot cut and several small bones in same broken by getting foot caught between rails while trying to step off turn-table. October 2. Mine No. 49, Central Coal and Coke Company.

190. John Jarko, back bruised by fall of rock. October 2. Mine No. 13, Western Coal and Mining Company.

191. Wm. Stack, back sprained while lifting car on track. October 3. Mine No. 19, Wear Coal Company.

192. Henry Cellier, ankles and feet bruised by a fall of soapstone. October 4. Mine No. 4, Osage City Labor Exchange.

193. Henry Heider, thumb cut by fall of rock. October 4. Mine No. 4, Osage City Labor Exchange.

194. R. Gavonio, toes on left foot crushed by car running on foot. October 3. Mine No. 8, Sheridan Coal Company.

195. John Oglario, injured by a fall of rock. October 4. Mine No. 30, Jackson & Walker Coal and Mercantile Company.

196. John Spinello, ankle sprained while pushing car. October 4. Mine No. 16, Western Coal and Mining Company.

197. Joe Bohovick, back sprained by pushing car. October 4. Mine No. 43, Western Coal and Mining Company.

198. Joe Jerman, finger mashed and bone broken in hand by spragging car. October 4. Mine No. 48, Central Coal and Coke Company.

199. Thomas Celik, leg bruised by car. October 5. Mine No. 10, Western Coal and Mining Company.

200. J. Martinik, alleges injury to stomach. October 3. Mine No. 19, Wear Coal Company.

201. Fred Konec, thumb and finger cut by a fall of rock. October 5. Mine No. 19, Wear Coal Company.

202. Joe Votorveck, left arm burned by gas. October 5. Mine No. 16, Western Coal and Mining Company.

203. Alfred Pelango, back, shoulders and chest bruised by fall of rock. October 5. Mine No. 16, Western Coal and Mining Company.

204. Luther White, slightly injured. October 6. Mine No. 2, Katy Coal Company.



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205. Tony Church, injured by fall of rock. October 6. Mine No. 42, Central Coal and Coke Company.
206. Elmer Perard, arm bruised by fall of rock. October 6. Mine No. 8, Pittsburg Northern Coal Company.
207. Coate Miller, strained self internally by lifting on car. October 6. Mine No. 3, Sheridan Coal Company.
208. Joe Baratone, finger bruised by cars. October 7. Mine No. 6, Dickinson Coal Company.
209. R. Wolomnick, finger nail on index finger of right hand torn off by fall of rock. October 7. Mine No. 45, Central Coal and Coke Company.
210. Vincent Perero, face and arms burned by gas. October 8. Mine No. 11, Jackson & Walker Coal and Mining Company.
211. Robert Gore, finger bruised by fall of coal. October 8. Mine No. 8, Sheridan Coal Company.
212. Angelo Eccli, back bruised by fall of rock. October 8. Mine No. 6, Dickinson Coal Company.
213. Frank Rusmisll, wrist sprained by falling down while unloading drum. October 8. Mine No. 14, Western Coal and Mining Company.
214. Clover Wilkerson, head cut by fall of rock. October 9. Mine No. 16, Western Coal and Mining Company.
215. John Kavator, claims lungs are affected by bad air. October 11. Mine No. 13, Western Coal and Mining Company.
216. F. E. Roy, face burned by holding light over mixing tank of gasolene engine. October 11. Mine No. 10, Pittsburg and Midway Coal Company.
217. Abe Towns, right eye inflamed by piece of coal or other substance striking him in eye while cutting. October 11. Mine No. 14, Faulkner Coal Company.
218. Jim Burrows, injured by fall of rock. October 11. Mine No. 2, Katy Coal Company.
219. Ernest Collins, arms and face scorched by can of carbide exploding. October 11. Mine No. 43, Central Coal and Coke Company.
220. Frank Angel, rib broken by car. October 12. Mine No. 45, Central Coal and Coke Company.
221. W. H. Symes, hand bruised by sledge flying off handle. October 12. Mine No. 7, Spencer-Newland Coal Company.
222. Jas. Seconi, burned on arms, hands and face by gas. October 12. Mine No. 10, Sheridan Coal Company.
223. Martin Simoncic, back strained by pushing car. October 13. Mine No. 15, Western Coal and Mining Company.
224. W. Peder, ankle bruised by catching same in frog of switch. October 13. Mine No. 11, Sheridan Coal Company.
225. Paul Galligan, toe bruised by dropping tie on same. October 13. Mine No. 2, Nesch Coal Company's pit.
226. E. W. Meyers, toes on left foot severely bruised by dropping a piece of 4 x 8 x 14 timber on same. October 14. Mine No. 48, Central Coal and Coke Company.
227. L. Enrichie, left hand injured by pick. October 15. Mine No. 3, Sheridan Coal Company.
228. Leonard Regard, face, hands, arm and ears burned by gas. October 15. Mine No. 18, Western Coal and Mining Company.
229. A. Ard, toe bruised by car. October 15. Mine No. 18, Western Coal and Mining Company.
230. James Mackie, severely injured about the face while springing holes. October 15. Whitmer Contracting Company's pit.
231. Fred Skerbinek, back sprained while lifting car on track. October 15. Mine No. 45, Central Coal and Coke Company.
232. John Kennedy, finger bruised by catching same between rails. October 16. Pittsburg Scammon Coal Company's pit.

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233. J. A. Miller, three ribs on right side broken by car, car took switch into room, squeezing him against roof. October 16. Mine No. 10, Sheridan Coal Company.
234. James Mannion, wrist and thumb sprained while mining off shot. October 16. Mine No. 48, Central Coal and Coke Company.
235. W. Morrow, burned about face by steam while washing boilers. October 16. Mine No. 14, Western Coal and Mining Company.
236. Wm. Crawford, artery cut on top of head by piece of rock or coal falling down main shaft on head. October 16. Mine No. 4, Sheridan Coal Company.
237. M. L. Cronister, eye injured by a piece of sulphur flying in eye. October 18. Mine No. 10, Western Coal and Mining Company.
238. L. Demter, finger mashed by fall of rock. October 18. Mine No. 18, Western Coal and Mining Company.
239. J. H. Dudley, back injured by car. October 18. Mine No. 19, Western Coal and Mining Company.
240. R. Desi, back sprained by pushing car. October 19. Mine No. 17, Wear Coal Company.
241. Geo. Cessna, toe mashed by car. October 19. Mine No. 2, Cherokee Crescent Coal Company.
242. Ben Jenkins, knee cap on right leg bruised by a piece of coal hitting him on knee. October 19. Mine No. 45, Central Coal and Coke Company.
243. A. H. Tygart, burned by gas. October 19. Mine No. 11, Fidelity Coal Mining Company.
244. Vincent Perero, burned on face and arms by gas. October 19. Mine No. 11, Jackson & Walker Coal and Mining Company.
245. J. Hussey, injured by fall of rock. October 20. Mine No. 19, Wear Coal Company.
246. John Werbis, left eye cut by piece of rock striking him in eye. October 20. Mine No. 45, Central Coal and Coke Company.
247. Arthur Mathis, internally injured while lifting car on track. October 21. Mine No. 43, Central Coal and Coke Company.
248. Chas. Hamlin, ankle bruised by a fall of slate. October 21. Mine No. 2, Home-Riverside Coal Company.
249. Bert Cahill, kicked by mule, head and shoulder cut. October 21. Mine No. 19, Wear Coal Company.
250. Jessie Giles, injured by a fall of rock. October 22. Mine No. 2, Katy Coal Company.
251. Chas. Matthews, slightly injured, while mining off shot. October 22. Mine No. 16, Western Coal and Mining Company.
252. John Shafer, back injured by fall of rock. October 22. Mine No. 8, Sheridan Coal Company.
253. Thos. Viney, legs bruised by cars. October 23. Mine No. 15, Crowe Coal Company.
254. Amie Dobois, back and head bruised by fall of rock. October 22. Mine No. 8, Pittsburg Northern Coal Company.
255. Joe Krosovec, miner's knee. October 22. Mine No. 14, Western Coal and Mining Company.
256. John Keith, burned on face and breast by premature explosion of shot. October 22. Mine No. 2, Keith & Ellison Coal Company.
257. Jeff O'Neil, back injured and internal injuries by a fall of rock. October 22. Mine No. 3, Sheridan Coal Company.
258. Frank Bond, burned by gas. October 23. Mine No. 6, Mayer Coal Company.
259. Joe Kerin, ribs broken by falling down while pushing car out of room. October 23. Mine No. 17, Wear Coal Company.
260. Frank Ovnick, burned on face and hands by gas. October 23. Mine No. 45, Central Coal and Coke Company.

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261. George Chaussard, strained and sprained about back and limbs while attempting to step off cage, fell down. October 25. Mine No. 16, Western Coal and Mining Company.
262. John Podloger, ankle sprained by falling down. October 25. Mine No. 13, Western Coal and Mining Company.
263. Anthony Didier, injured by fall of rock. October 25. Mine No. 9, Jackson & Walker Coal and Mining Company.
264. Jno. Steele, right ankle sprained by car. October 25. Mine No. 48, Central Coal and Coke Company.
265. Vito Fenton, burned on left arm by gas. October 25. Mine No. 45, Central Coal and Coke Company.
266. Mitchell Chublanco, thumb bruised by getting hand caught between lump of coal and roof. October 25. Mine No. 45, Central Coal and Coke Company.
267. Wm. Roy, head cut and bruised by a fall of rock. October 26. Mine No. 2, Katy Coal Company.
268. F. L. Evans, abscess on left leg, caused by bruise, coal falling on leg. October 26. Mine No. 9, Howe Coal Company.
269. Santo Moncelloti, leg slightly bruised by fall of rock. October 26. Mine No. 5, Joseph Ryan Lease.
270. Frank Maltby, thumb bruised by fall of rock. October 27. Mine No. 15, Western Coal and Mining Company.
271. Gene Gary, knee bruised by cars. October 27. Mine No. 8, Sheridan Coal Company.
272. Jas. Huffman, shoulder burned by gas. October 27. Mine No. 2, Home-Riverside Coal Company.
273. Glen Fincher, ankle sprained by car. October 28. Mine No. 13, Western Coal and Mining Company.
274. Tony Pasqualie, arms and face burned by gas. October 28. Mine No. 45, Central Coal and Coke Company.
275. Henry Radcliffe, toe mashed by car. October 28. Mine No. 45, Central Coal and Coke Company.
276. He. Devoe, small bone in left foot dislocated by fall of coal. October 28. Mine No. 8, Sheridan Coal Company.
277. N. Donatti, foot bruised and lacerated by a fall of rock. October 29. Mine No. 18, Western Coal and Mining Company.
278. G. Donati, left foot badly mashed by a fall of rock. October 29. Mine No. 18, Western Coal and Mining Company.
279. Robert Wilson, toes badly bruised by having foot caught between cable and boom of steam shovel. October 29. Pit of Whitmer Contracting Company.
280. Joe Zibert, arms and face burned by gas. October 30. Mine No. 6, Dickinson Coal Company.
281. Frank Selock, hand bruised by car. October 30. Mine No. 6, Dickinson Coal Company.
282. Virgil Nomady, hand bruised by fall of rock. October 30. Mine No. 17, Wear Coal Company.
283. John Todd, burned about head and hands by an explosion of carbide. October 30. Pit of Skidmore-Patterson Coal Company.
284. F. Daniaux, left knee bruised by fall of rock. October 30. Mine No. 42, Central Coal and Coke Company.
285. John Zoor, toe on left foot mashed by car. October 31. Mine No. 48, Central Coal and Coke Company.

NOVEMBER.

286. Alex. Elder, chin cut by falling on car which he was turning around on turn-table. November 1. Mine No. 43, Central Coal and Coke Company.
287. R. G. Bowser, left hand cut by chunk of coal falling on hand while mining off a shot. November 1. Mine No. 10, Sheridan Coal Company.

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288. T. Cheskowskey, slightly injured. November 1. Mine No. 1, J. H. Price & Sons Coal Company.
289. Samuel Gardner, finger mashed by motor running over it. November 2. Mine No. 13, Western Coal and Mining Company.
290. Albert Touissant, toes mashed by car. November 2. Mine No. 45, Central Coal and Coke Company.
291. B. Bernardi, finger crushed by cars. November 2. Mine No. 11, Sheridan Coal Company.
292. T. Potter, finger broken by car. November 2. Mine No. 2, Cherokee Crescent Coal Company.
293. Archie McFadden, head cut by coal falling off shaker. November 3. Mine No. 16, Western Coal and Mining Company.
294. Jno. Cremosinak, arm burned by gas. November 3. Mine No. 7, McCormick Coal Company.
295. T. Orochowski, eye injured by piece of slate hitting in eye. November 3. Mine No. 2, Home-Riverside Coal Company.
296. R. Huddok, injured by an explosion of dynamite cap. November 3. Mine No. 2, Home-Riverside Coal Company.
297. Mike Uhles, hips burned by steam; was blowing flues when nozzle came off hose. November 4. Mine No. 9, Jackson & Walker Coal and Mercantile Company.
298. L. F. Williams, slightly injured in an explosion. November 4. Mine No. 2, Katy Coal Company.
299. C. Bickerdyke, back bruised by falling off scaffold. November 5. Mine No. 49, Central Coal and Coke Company.
300. Pete Omich, hand bruised by fall of rock. November 5. Mine No. 6 Mayer Coal Company.
301. Frank Augustini, back bruised by fall of rock. November 6. Mine No. 8, Fidelity Coal Company, leased by Corsini.
302. Eugene Niboli hip sprained by pushing car. November 6. Mine No. 48, Central Coal and Coke Company.
303. George Smarles, finger mashed by car. November 6. Mine No. 18, Western Coal and Mining Company.
304. Jno. Pecnik, hand burned by gas. November 8. Mine No. 7, McCormick Coal Company.
305. Joe Aubry, hand cut by cars. November 8. Mine No. 7, Spencer-Newland Coal Company.
306. A. Alexander, finger mashed by car. November 8. Mine No. 2, Home-Riverside Coal Company.
307. Wm. Weaver, shot firer, arms and body bruised, gash over left temple caused by flying coal or rock from shot. November 8. Mine No. 13, Western Coal and Mining Company.
308. Pete Mossia, burned on face and arms by gas. November 8. Mine No. 45, Central Coal and Coke Company.
309. Martin Drnovschek, hand injured by car. November 8. Mine No. 16, Western Coal and Mining Company.
310. Steve Potter, ribs broken by fall of rock. November 8. Mine No. 16, Western Coal and Mining Company.
311. Mike Sterga, knee bruised by falling. November 9. Mine No. 13, Western Coal and Mining Company.
312. H. Yarros, finger mashed by fall of coal. November 9. Mine No. 2, Home-Riverside Coal Company.
313. Joe Gemza, superficial abrasion on back, caused by fall of rock. November 9. Mine No. 16, Western Coal and Mining Company.
314. D. Bemas, alleges he was injured by bad air. November 9. Mine No. 7, Spencer-Newland Coal Company.
315. Pearl Grayson, cut over left eye and left side nose and muscle of right arm; bruised by being kicked by a mule. November 10. Mine No. 14, Faulkner Coal Company.
316. F. Slaper, back bruised and strained by a fall of rock. November 10. Mine No. 18, Western Coal and Mining Company.

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317. A. Fulton, face, hands and hip burned by windy shot. November 10. Mine No. 18, Western Coal and Mining Company.
318. R. Rocca, knee bruised by striking same against rock while pushing car. November 11. Mine No. 45, Central Coal and Coke Company.
319. W. Hairsean, leg bruised and cut by sticking pick in same while trying to open oil barrel. November 11. Mine No. 19, Wear Coal Company.
320. John Craig, hand cut while coupling cars. November 11. Mine No. 10, Western Coal and Mining Company.
321. Ben Purgatori, foot bruised by fall of rock. November 12. Mine No. 16, Western Coal and Mining Company.
322. Fred DeBois, lip cut by a piece of flying stone. November 12. Mine No. 2, Nesch Coal Company.
323. Frank Lupic, arms and face burned by gas. November 13. Mine No. 10, Sheridan Coal Company.
324. Thomas Sylcon, foot sprained while jumping off water box, catching foot on tie. November 13. Mine No. 9, Clemens Coal Company.
325. Pat McCabe, left leg broken and mashed above the ankle by fall of rock. November 13. Mine No. 48, Central Coal and Coke Company.
326. John Mouser, face, neck and hands burned by gas. November 15. Mine No. 18, Western Coal and Mining Company.
327. S. Martinache, finger mashed while spragging car. November 15. Mine No. 18, Western Coal and Mining Company.
328. P. Lahota, finger cut by fall of rock. November 15. Mine No. 48, Central Coal and Coke Company.
329. John Homez, knee bruised by fall. November 15. Mine No. 19, Western Coal and Mining Company.
330. Cleo Smith, fingers crushed by cars. November 15. Mine No. 4, Sheridan Coal Company.
331. Jesse Wade, back injured by car. November 15. Mine No. 8, Sheridan Coal Company.
332. J. O. Oarr, foot injured by stepping on nail. November 15. Mine No. 7, McCormick Coal Company.
333. Andrew Nuzarie, back sprained by lifting car. November 15. Mine No. 11, Sheridan Coal Company.
334. A. A. Clemer, slightly injured on right arm. November 15. Mine No. 11, Clemens Coal Company.
335. Jno. Pater, hand bruised by lifting chunk of coal. November 16. Mine No. 8, Sheridan Coal Company.
336. L. Arabia, injured by car jumping track, squeezing him against rib. November 16. Mine No. 3, Sheridan Coal Company.
337. D. R. Hheld, finger mashed by car. November 16. Pit No. 111, Ellsworth-Klaner Construction Company.
338. F. Cootantino, foot bruised by motor. November 16. Mine No. 13, Western Coal and Mining Company.
339. A. Roberts, slightly injured. November 16. Mine No. 19, Wear Coal Company.
340. C. Ingram, foot sprained by cars. November 16. Mine No. 19, Wear Coal Company.
341. J. W. Lewis, ankle sprained slightly. November 16. Mine No. 19, Wear Coal Company.
342. Jake Gartner, back bruised by fall of rock. November 16. Mine No. 16, Western Coal and Mining Company.
343. Sam George, leg broken by car. November 17. Mine No. 48, Central Coal and Coke Company.
344. Charles Maybery, ankle bruised by being kicked by mule. November 18. Mine No. 19, Western Coal and Mining Company.
345. John Carn, back injured by pushing car. November 18. Mine No. 9, Jackson & Walker Coal Company.
346. John Hay, hand mashed by getting it caught between car and rib. November 18. Mine No. 46, Central Coal and Coke Company.



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347. Leslie Robinson, internally injured while pushing car. November 18. Mine No. 48, Central Coal and Coke Company.
348. Lewis Kordisch, finger bruised by car. November 19. Mine No. 19, Western Coal and Mining Company.
349. F. Srelinjack, back sprained by lifting car. November 19. Mine No. 11, Sheridan Coal Company.
350. F. D. Bootright, leg bruised by fall of rock. November 19. Mine No. 12, Faulkner Coal Company.
351. Earl Shopmier, foot strained and flesh lacerated by catching foot in tail chain. November 20. Mine No. 15, Western Coal and Mining Company.
352. Clay Dunkam, foot bruised by flat sheet falling on foot. November 22. Mine No. 8, Sheridan Coal Company.
353. Clyde Griggs, leg bruised by car. November 22. Mine No. 7, McCormick Coal Company.
354. Fred Newberry, fingers bruised by getting hands caught in pulley while pulling casing from deep well. November 22. Mine No. 42, Central Coal and Coke Company.
355. M. J. O'Donnell, burned on neck and arms by gas. November 22. Mine No. 45, Central Coal and Coke Company.
356. Henry Moriconi, foot bruised by car. November 22. Mine No. 9, Jackson & Walker Coal Company.
357. M. Swart, knee injured by fall of rock. November 22. Mine No. 2, Katy Coal Company.
358. A. Marconi, arm sprained by fall of rock. November 23. Mine No. 16, Western Coal and Mining Company.
359. Alex. Vinciarelli, side and shoulders injured by cars. November 23. Mine No. 15, Western Coal and Mining Company.
360. W. A. Minson, overcome by bad air. November 24. Mine No. 9, Howe Coal Company.
361. Clyde Moore, right eye badly injured by bolt hitting in eye. November 24. Mine No. 8, Sheridan Coal Company.
362. Frank Jones, finger mashed and nail torn off by getting finger caught in hitching. November 24. Mine No. 2, Skidmore-Patterson Coal Company.
363. M. Gardy, body cut and bruised by fall of slate. November 24. Mine No. 2, Home-Riverside Coal Company.
364. Chas. Bavuso, back sprained while pushing car. November 25. Mine No. 21, Wear Coal Company.
365. Leo Rushford, fingers mashed by cars. November 26. Mine No. 48, Central Coal and Coke Company.
366. Frank Adamson, fingers bruised by cars. November 26. Mine No. 45, Central Coal and Coke Company.
367. John Lamax, fingers mashed and ribs cracked by catching fingers while spragging and falling against rib. November 27. Mine No. 21, Wear Coal Company.
368. Charles Nice, right cheek bone bruised by piece of coal from shot. November 27. Mine No. 111, Ellsworth-Klaner strip pit.
369. John Stack, leg injured by getting caught between two cars. November 27. Mine No. 46, Central Coal and Coke Company.
370. Fred Stermer, foot bruised by striking it with sledge. November 27. Mine No. 2, Pittsburg Scammon Coal Company.
371. Tony Sunoncic, ankle sprained by car running over foot. November 28. Mine No. 48, Central Coal and Coke Company.
372. A. Cuig, small bone in left leg broken by tail chain catching leg. November 29. Mine No. 4, Clemens Coal Company.
373. John Reed, leg bruised by fall of rock. November 30. Mine No. 10, Sheridan Coal Company.

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374. Jos. Pasquiline, side and back bruised by being caught between roof and top of tank car on which he was riding. December 1. Mine No. 15, Jackson & Walker Coal and Mining Company.

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375. C. Oberg, leg bruised by cars. December 1. Mine No. 8, Sheridan Coal Company.
376. F. Potocnik, lit gas in hole, fell and bruised elbow. December 2. Mine No. 19, Wear Coal Company.
377. Jack Burnett, wrist burned by coming in contact with steam pipe. December 2. Mine No. 49, Central Coal and Coke Company.
378. Louis Loisek, burned on face and arms by gas. December 3. Mine No. 3, Sheridan Coal Company.
379. Wm. Nelson, hand slightly injured by taking out grates on shovel. December 4. Mine No. 1, Skidmore-Patterson Coal Company.
380. Albert Kos, shoulder and arm bruised by fall of rock. December 4. Mine No. 16, Western Coal and Mining Company.
381. John Todd, head and face burned by pouring powder into shot hole. December 4. Skidmore-Patterson Coal Company, strip pit.
382. A. Dues, finger mashed by cars. December 6. Mine No. 2, Katy Coal Company.
383. John Allen, fingers bruised by fall of rock. December 6. Mine No. 15, Western Coal and Mining Company.
384. Joe Szespanski, arm and leg bruised by fall of rock. December 6. Mine No. 15, Western Coal and Mining Company.
385. John Hocove, hand bruised by fall of rock. December 6. Mine No. 45, Central Coal and Coke Company.
386. Mike Mohnan, back sprained by pushing car. December 6. Mine No. 45, Central Coal and Coke Company.
387. M. McCormick, back sprained by lifting car on track. December 6. Mine No. 10, Sheridan Coal Company.
388. H. Huffman, head and body cut by fall of slate. December 6. Mine No. 2, Home-Riverside Coal Company.
389. Wm. Kruse, hand cut by fall of slate. December 7. Mine No. 2, Home-Riverside Coal Company.
390. John Sihlugi, neck, face and arms burned by gas. December 8. Mine No. 45, Central Coal and Coke Company.
391. Jack Hay, right foot burned by stepping in hole full of hot water. December 8. Mine No. 49, Central Coal and Coke Company.
392. W. H. Hile, right side and hip bruised by fall of rock. December 8. Mine No. 11, Sheridan Coal Company.
393. Bert Cheaerhagero, left eye injured by coal flying in eye. December 8. Mine No. 3, Sheridan Coal Company.
394. John Braxton, leg injured by cars. December 8. Mine No. 7, McCormick Coal Company.
395. Ed. Denayer, hips and back bruised and sprained by fall of rock. December 9. Mine No. 21, of the Wear Coal Company.
396. George Martin, back sprained by lifting rock. December 9. Mine No. 19, Western Coal and Mining Company.
397. Roy Welch, eye injured by firing shots. December 9. Mine No. 14, Canal Fuel Company.
398. J. Hines, burned on neck, face, ears and wrists by windy shot. December 9. Mine No. 21, Wear Coal Company.
399. C. Riskie, back sprained by lifting car. December 10. Mine No. 18, Western Coal and Mining Company.
400. Frank Madden, ankle sprained. December 10. Mine No. 10, Sheridan Coal Company.
401. A. Rudolph, back burned by gas. December 10. Mine No. 2, Home-Riverside Coal Company.
402. Cammile LeRoy, right leg bruised by being caught between cars. December 10. Mine No. 45, Central Coal and Coke Company.
403. Vessadini Pasq, finger injured by car. December 10. Mine No. 16, Western Coal and Mining Company.
404. W. Paci, knee bruised by car. December 11. Mine No. 49, Central Coal and Coke Company.



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405. Truman Dean, rib broken by falling across timber. December 11. Mine No. 45, Central Coal and Coke Company.
406. J. L. Thomas, back sprained by lifting water box. December 11. Mine No. 48, Central Coal and Coke Company.
407. Archie Kirkwood, finger mashed by hitting with hammer. December 12. Mine No. 45, Central Coal and Coke Company.
408. John Strobel, ankle bruised by cars. December 13. Ellsworth-Klaner Construction Company.
409. Frank Burnett, head cut by fall of rock. December 13. Mine No. 21, Wear Coal Company.
410. D. Pacchetti, knuckle broken while caging a car, piece of coal rolled back on hand. December 14. Mine No. 18, Western Coal and Mining Company.
411. Frank Isentrout, fingers bruised by cars. December 14. Mine No. 15, Western Coal and Mining Company.
412. Stanley Ducroux, thigh injured by car. December 14. Mine No. 15, Western Coal and Mining Company.
413. Frank Hudson, strained self by pulling car off cage. December 14. Mine No. 13, Western Coal and Mining Company.
414. Paul Mesednick, slightly injured. December 15. Mine No. 15, Western Coal and Mining Company.
415. Ray West, thumb crushed by car. December 15. Mine No. 10, Sheridan Coal Company.
416. D. Fiori, finger crushed by pushing car out of room. December 15. Mine No. 10, Sheridan Coal Company.
417. Lee Haitong, finger mashed by fall of rock. December 15. Mine No. 20, Wear Coal Company.
418. S. Swafford, side bruised by falling pipe which fell off car. December 15. Smith, Scott & White pit.
419. Lee Stafford, knee bruised by car. December 16. Mine No. 15, Western Coal and Mining Company.
420. Joe Zurek, finger mashed by cars. December 16. Mine No. 45, Central Coal and Coke Company.
421. J. Brookbanks, kicked on hip by mule. December 16. Mine No. 21, Wear Coal Company.
422. Wm. Thompson, finger pinched by cars. December 16. Mine No. 6, Doubleday Coal Company.
423. John Robinson, injured by fall of rock. December 17. Mine No. 11, Jackson & Walker Coal and Mercantile Company.
424. Wm. May, three toes on right foot crushed by a 6-foot prop falling on foot. December 17. Mine No. 49, Central Coal and Coke Company.
425. John Lenne, knee cut by crawling over coal in room. December 18. Mine No. 14, Western Coal and Mining Company.
426. Major Jones, face, neck and arms burned by gas. December 18. Mine No. 14, Faulkner Coal Company.
427. J. Modica, finger mashed by piece of coal falling down shaft striking him on hand. December 20. Mine No. 18, Western Coal and Mining Company.
428. Jack Veriant, burned on arms and face by gas. December 20. Mine No. 21, Wear Coal Company.
429. B. Garighetti, back injured by fall of rock. December 20. Mine No. 3, Sheridan Coal Company.
430. Mike Waco, slipped, causing him to fall. December 20. Mine No. 16, Western Coal and Mining Company.
431. S. Klimeck, right leg bruised by fall of coal. December 21. Mine No. 8, Sheridan Coal Company.
432. Claude Green, finger cut by getting it caught in hitching. December 21. Mine No. 45, Central Coal and Coke Company.
433. Chas. Kuss, toes mashed by getting same caught between cars. December 21. Mine No. 45, Central Coal and Coke Company.

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434. Melvin Ezzel, foot bruised by falling coal. December 21. Mine No. 48, Central Coal and Coke Company.
435. Bryan Zurek, knee bruised by striking same on bottom. December 21. Mine No. 45, Central Coal and Coke Company.
436. Winn Dyer, arm broken by cage. December 21. Mine No. 9, Jackson & Walker Coal Company.
437. E. Ferneti, claims injury from bad air. December 22. Mine No. 18, Western Coal and Mining Company.
438. E. Checci, burned on face, neck and arms by gas. December 22. Mine No. 48, Central Coal and Coke Company.
439. Jas. Country, side bruised by fall of rock. December 22. Mine No. 45, Central Coal and Coke Company.
440. Anton Ruper, struck on head and shoulder by fall of rock. December 23. Mine No. 13, Western Coal and Mining Company.
441. Lou. Blaine, hands, arms and legs burned while burning grass around powder house. December 23. Mine No. 9, Fidelity Coal Mining Company.
442. Bert Cahill, injured by cars. December 23. Mine No. 19, Wear Coal Company.
443. Ed. Mahan, neck and ankle injured by fall of rock. December 23. Mine No. 19, Wear Coal Company.
444. Charles Kerr, muscles in arm cut while breaking out window glass in order to escape steam in bathhouse. December 27. Mine No. 18, Western Coal and Mining Company.
445. Tom Lenosa, back sprained by pushing car. December 27. Mine No. 19, Western Coal and Mining Company.
446. Tom Cox, ribs broken by mule crowding him against rib. December 27. Mine No. 6, Doubleday Coal Company.
447. Joe Salot, back sprained by lifting car. December 27. Mine No. 19, Wear Coal Company.
448. Robert Finn, toes mashed by cars. December 28. Mine No. 45, Central Coal and Coke Company.
449. Sam Niceta, toe mashed by cars. December 28. Mine No. 21, Wear Coal Company.
450. Joe Magnetti, foot sprained by fall of slate. December 29. Mine No. 21, Wear Coal Company.
451. Jack Payne, ribs broken and back injured by fall of rock. December 29. Mine No. 20, Wear Coal Company.
452. Batisto Nizzio, leg bruised by fall of rock. December 29. Mine No. 9, Jackson & Walker Coal and Mercantile Company.
453. John Bettega, back sprained by lifting car on track. December 29. Mine No. 20, Wear Coal Company.
454. John Bregar, burned on face, neck and arms by gas. December 29. Mine No. 21, Wear Coal Company.
455. Steve Potter, back and hips strained by lifting loaded car. December 29. Mine No. 16, Western Coal and Mining Company.
456. Mike Heinlein, leg bruised by fall of rock. December 30. Mine No. 9, Jackson & Walker Coal and Mercantile Company.
457. O. P. Mack, leg broken by fall of slate. December 31. Mine No. 1, Brainwood & Clement Coal Company.
458. Jack Ratziano, left eye injured by piece of sulphur striking eye while digging with a pick. December 31. Mine No. 19, Western Coal and Mining Company.
459. F. Zersek, back and hips badly bruised by fall of rock. December 31. Mine No. 8, Sheridan Coal Company.



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GENERAL INFORMATION.

On October 27, 1915, I mailed to every coal operator in the state the following circular letter, which is self-explanatory:

PITTSBURG, KAN., October 27, 1915.

GENTLEMEN—The time is fast approaching when coal-dust explosions will occur in the Kansas coal mines, and I feel it my duty to warn all the coal companies in the state of Kansas where shot firers are used to use special precautions at the present time to prevent these explosions.

To prevent these explosions it is necessary that the mine be kept as clean as possible from loose coal which may be ground into dust, and of all rubbish in which such dust may accumulate, in order to facilitate the removal and the wetting of the coal dust in mines.

It is highly important that the dust on the walls, timbers and floors of the working places and roadways should be kept wet, and all other precautions against explosions should be practiced with unusual care where there is danger of dust explosions before any shots are fired. A system of watering which occasionally sprinkles the floor only, and leaves dry dust on the timbers and walls, is useless, and also dangerous, in that it may generate an unwarranted feeling of security against an explosion.

The greatest advances that can be made in safeguarding the lives of the men employed as shot firers in this field would be the adoption of a device operated from the surface, firing the shots in all mines where practicable, by which all shots may be fired at a time when all miners and other employees are out of the mine.

The overcharging of shots should be avoided, as it is unnecessary and dangerous. Shots should never be tamped with fine coal or drill dust. Clay or other suitable material should be used for this purpose, and all drill dust should be removed from the drill holes.

It is a fact that thorough discipline about the mine is absolutely essential to safety, and that thorough discipline can be only brought about with the hearty coöperation of the coal operators, miners and the state.

Hoping that you will do your utmost to keep your mines in a safe condition and endeavor to reduce the dangerous conditions existing in your mines, I remain,

Yours very respectfully,

JOHN PELLEGRINO,
Asst. Commissioner of Labor.

DECISIONS RENDERED BY THE ATTORNEY-GENERAL.

The following decisions were rendered by Attorney-general Brewster regarding the distance between crosscuts and where they should be made, noxious gases generated in coal mines, whether or not mine owners who furnish dynamite at their own expense to coal miners must require miners to sign for the dynamite, and the following circular, with a copy of the decisions, was mailed by this department to every local union in the state:

PITTSBURG, KAN., November 24, 1915.

GENTLEMEN—Enclosed you will please find three different opinions rendered by Hon. S. M. Brewster, attorney-general of the state of Kansas, defining the following sections of the mining laws of the state of Kansas:

Section 5003 of the General Statutes of 1909, in regard to crosscuts at intervals of not more than forty feet.



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Sections 5005, 5006 and 4986, requiring the owner of the mine to ventilate the mine to such an extent as will dilute, carry away and render harmless the noxious gases generated therein.

Section 1 of chapter 272 of the Session Laws of 1915, in regard to requiring the miners to sign for the dynamite received.

Hoping that these interpretations will meet your approval, and that they will be carried out to the letter of the law, I remain,

Yours very respectfully,
JOHN PELLEGRINO,
*Assistant Commissioner of Labor,
In charge of Mine Inspection Department.*

TOPEKA, KAN., November 17, 1915.

P. J. McBride, Esq., Commissioner of Labor, Statehouse:

DEAR SIR—I have your favor of the 17th inst., asking my opinion as to whether or not section 5003 of the General Statutes of 1909 requires, in the cases named in the statute, crosscuts at least forty feet on both sides of rooms where such crosscuts are possible.

The statute provides that forty feet shall constitute the distance between break-throughs or crosscuts and that these shall be made through the pillar which divides the rooms where any of said rooms are in operation. This, in my judgment, requires crosscuts through all pillars which form the wall of any rooms in operation, and therefore requires crosscuts at intervals of not less than forty feet on each side of such rooms.

Yours very truly,
S. M. BREWSTER,
Attorney-general.

TOPEKA, KAN., November 17, 1915.

P. J. McBride, Esq., Commissioner of Labor, Statehouse:

DEAR SIR—I have your favor of the 17th inst., in which you ask regarding the duty of coal-mine operators to remove dangerous gases from coal mines, under section 5006 of the General Statutes of 1909.

Section 5005 provides that the mine owner shall provide ample means of ventilation so as to provide an ample supply of pure air. The first sentence of section 5006 is as follows:

"The inspector of mines shall cause the volume of air to be increased when necessary to such an extent as will dilute, carry off and render harmless the noxious gases generated therein."

In my judgment this is the measure of the duty of the mine owner. It is true that the last sentence of this section provides that the "hydrogen or fire damp generated therein must be diluted and rendered harmless before any person or persons enter such working or abandoned part of the mine with a naked light." But this does not mean that the mine owner has performed his duty in this respect when he has so diluted the gas as to make it safe to enter with a safety lamp.

My construction of this section is strengthened by the provisions of section 4986, which again requires the owner of the mine to ventilate to such an extent as will dilute, carry away and render harmless the noxious gases generated therein.

Yours very truly,
S. M. BREWSTER, *Attorney-general.*

TOPEKA, KAN., November 17, 1915.

P. J. McBride, Esq., Commissioner of Labor, Statehouse:

DEAR SIR—I have your favor of the 17th inst., asking my opinion regarding the construction of chapter 272 of the Session Laws of 1915. The question submitted is whether or not mine owners who furnish dynamite at their own expense to coal miners must require the miners to sign for the dynamite.

In my judgment they must do so. Section 1 provides that any person, firm or corporation who shall sell, give away or otherwise dispose of any dynamite, shall keep a record which shall be signed by the party receiving:



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the explosive. Section 2 in the same language requires that no person, firm or corporation shall sell, give away or otherwise dispose of any of the explosives to any intoxicated or irresponsible person. The intent of section 2 clearly is to prevent the sale or giving away of dynamite to intoxicated persons, whether they are employed by the person selling or giving the dynamite away or not. Since this section uses the same language as section 1, the language in section one should be given the same meaning.

Section 3 provides that any person, firm or corporation who shall be found in the possession or control of dynamite without having executed the receipt provided for by section 1 shall be deemed to have violated this act in like manner as the person, firm or corporation who shall sell or dispose of the same without taking the receipt. Under this section I believe if one of the miners under the circumstances stated above should secrete the dynamite about his person and carry it out of the mine he would be liable for having it in his possession without having signed for it.

For all of these reasons I believe that, under the circumstances stated, it is the duty of the mine owner to require the signature of the miners to whom explosives covered by the act are delivered.

Yours very truly,

S. M. BREWSTER,
Attorney-general.

RULES FOR KANSAS COAL MINES.

The following rules should be adopted by coal mines in the state of Kansas and strictly adhered to:

1. Any person not employed at the mine must get permission from the mine management before entering.
2. Any person in the state of intoxication shall not be allowed in or around a coal mine.
3. No person who had not had previous experience as a miner should be employed in a coal mine, unless he starts to work with a practical miner.
4. The mine foreman should exercise his best judgment to preserve the health, lives and morals of the men at his mine.
5. If conditions are unsafe and liable to cause an accident the person observing the same should notify the mine foreman or management at once.
6. The mine foreman should have charge of the ventilation of his mine, and should personally inspect or examine all airways in the mine at least once every week, and see to it that they are kept free from falls and rubbish.
7. For each and every man working in a mine it is necessary that there should be a volume of air of at least 100 cubic feet per minute, and from 300 to 500 cubic feet per minute for every horse or mule. Ample allowance should be made for every motor used in the mine, according to its size and the power used.
8. The mine foreman should be supplied with an anemometer, and he should keep a correct account of the air traveling in each entry at least once a week, and send a copy of the report to the state mine inspection department.
9. Under no circumstances should there be more than 75 men on one split or current of air, for if there are more than that number it will cause the air to be more or less foul and not fit for men to breathe.
10. In case of a mine foreman noticing a bad or loose rock, or if anybody informs him that there is a bad or loose rock in any place in the mine, he should have that rock pulled down or timbered in a practical manner. At no time use only one prop to secure a bad rock, for if the rock gets heavy it will cause a side weight to bear on the prop and push

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it out, and may result in a fatal accident. Always use a series of props, as one prop is not sufficient.

11. Every miner should have extra props of the right length in his working place, so in case of an emergency he does not have to wait until the driver delivers props to him to put his place in safe condition to prevent an accident by a fall of rock.

12. Any miner who passes a dangerous rock or observes any dangerous conditions in a mine should notify the mine foreman or proper authorities, and call the attention of every man that has to pass under or near to where these dangerous conditions exist.

13. Any time that an employee finds a door that has been left open any unreasonable length of time he should notify the proper authorities to that effect.

14. At any mine where the company is obliged to employ a gas man or fire boss they should endeavor to employ a man who has had at least five years' experience as a miner in the Kansas coal field, and who can satisfy the company that he is able to handle that position.

15. No miner shall be allowed to use a safety lamp until he has given satisfactory evidence that he understands its proper uses.

16. Any working place that is generating fire damp must be kept free, and no miner should be allowed to work with an open light until such gas has been diluted or rendered harmless.

17. In case of a miner striking an unusual strong feeder of fire damp in his working place he should at once extinguish his open light and notify every miner or other person working on that current of air, and request that everybody use special precautions, and should notify the mine management to that effect at once.

18. Any miner or other person employed in any mine should carefully observe any danger marks made by the gas man or fire boss, and at no time should any one pass a danger mark whereby the gas man or fire boss condemned a certain room or entry as being in a dangerous condition.

19. In case of a fire in a mine, nobody but the men taking care of the fire should be allowed in that part of the mine which is affected, and at no time should any one be allowed on the return air, for if any fire damp should accumulate and be forced over the fire without being properly diluted, or it be ignited by any cause, it will cause an explosion and endanger the lives of all the men in the mine.

20. The men taking care of a fire in a mine should be provided with small rescue apparatus, as the noxious gases and smoke are injurious to their health, and will endanger the lives of persons who are forced to go into those dangerous parts of the mine to extinguish the fire without proper apparatus.

21. At no time should any person be allowed to fight a fire in a mine without a standard safety lamp, as an open lamp or a defective safety lamp will ignite the fire damp generated therein and cause the life of every man in the mine to be in jeopardy.

22. Before using safety lamps they should be carefully examined and cleaned by the gas man or fire boss or some competent person designated by the company. A defective safety lamp should never be used, because it will give a feeling of false security and may cause a catastrophe.

23. In filling safety lamps with gasoline or any other high explosive oil, special precautions against fire or explosions should be taken at all times.

24. At any time when occasion requires that all men use safety lamps to work with, the men should be searched before going into the mine, and all inflammable objects, open lights and any other known means that may cause a flame should be taken away from them.

25. Before going into a mine the fire boss should first examine and clean his safety lamp. He should then examine the fan and fan house and observe whether or not any unusual conditions exist. Under no circumstances should he take an open light into the mine with him.

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If his safety lamp does not give him sufficient illuminating power he should have the mine officials provide him with an up-to-date electric light or any other light that will not ignite fire damp. He should observe whether the mine air is traveling its usual course and see if the air current is uniform. Every door and curtain must be closely examined as a leaky door or curtain will allow fire damp and noxious gases to accumulate, and whenever a change in the air current is contemplated it should be carefully considered before the work is begun, and every precaution used to secure the safety of the men. In case a feeder has been tapped during the night it should be allowed to flow freely, and the gas diluted by pure air. If the feeder is large the air should be increased to such an extent that it will dilute the gases that are generated by it, and no man should be allowed to work on the return air or near the feeder with an open light. In case of fire damp in any one of the working places in sufficient quantity to endanger the health or lives of the men employed, he should put a danger mark in those places and not allow men to work there until cleared of all gas to such an extent as to be rendered harmless.

26. In case a strong feeder is struck in a mine during the day it may be plugged for the time, so as to get the men working on that current of air safely out of the way. As soon as the men on that current are out and there is no danger of injuring anybody in the mine, the feeder should be allowed to flow freely and should be diluted by the air to such an extent that it will render it inexplorable or harmless. At no time should any feeder be ignited to burn it up, for the feeder may be strong enough to produce an explosion and endanger the lives of the men.

27. The question concerning air circulation in a mine while shots are being fired largely depends on the condition of the mine and should be carefully considered. Under no circumstances should the fan be stopped, or the air current blocked while firing shots in gaseous mines, as it is absolutely necessary that there be a sufficient current of air traveling in a mine to dilute and carry off the noxious gases and fire damp generated, and if the fan is stopped or the air current blocked it will allow fire damp to accumulate, with the result that they will be ignited by the open light of the shot firers or the flame of some shots and cause an explosion, and the probability is that the shot firer may lose his life.

28. Hauling ways or traveling ways which are used as airways and which are frequently used by drivers or any other persons should be provided with two doors. These doors should be placed at such a distance apart that one will check the air when the other is open, forcing the air to stay in its regular course. Check doors should especially be used in close vicinity to the fan.

29. Black powder is ignited or exploded by spark, flame or heat, and at no time should a miner be smoking or keep his lamp on his cap, when making up his powder. He should always place his lamp in such a protected position that the air current can not blow any spark from his lamp onto or near the powder.

30. The practice of mixing black powder and dynamite in one shot should not be allowed under any circumstances, as it may result in an accident to a miner or shot firer.

31. Every mine official, miner or other person working in a mine should be made liable to criminal prosecution for leaving any form of explosives in such an unprotected place or position that it is possible to be ignited accidentally.

32. Powder should not be hauled by an electric motor unless the car in which the powder is hauled for delivery is thoroughly insulated.

33. As soon as a miner has his shot holes drilled he should remove from the holes all of the coal dust which was made in drilling the shots. The only safe way to remove it is to send it to the surface.

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34. Use your best judgment in making up your powder, for shots that are overcharged or undercharged may result fatally to a shot firer.

35. At no time should a miner or other person open a keg of powder by any other way than unsealing the seal of the keg. Never open a keg of powder with any metallic substance that may cause a spark, as it may explode the powder and cause an accident.

36. The practice of biting dynamite caps on the fuse should be forbidden, as it is dangerous. Nothing but a standard crimper that is especially made for crimping dynamite caps on the fuse should be used.

37. When it is necessary to thaw dynamite, do not thaw it near a fire, as this may cause it to explode.

38. At no time should a miner have in his possession in a mine any more than one day's supply of powder. In case of an explosion, if surplus powder is on hand, it may be set off and result in the explosion being more violent.

39. Detonators or caps should be kept in a safe place and never near any dynamite or black powder. In case of an explosion, if kept in a protected place, they can not be blown around on the road or traveling ways or any place in a mine, thus eliminating the danger of men stepping on them and causing them to explode and resulting in an accident.

40. When tamping shots always use clay tamping. Do not tamp your shots with a few dummies, thinking that it is sufficient. A shot should be tamped to the mouth of the hole in a good, practical manner. It may result in an accident to the shot firer if the shots are not tamped in a practical way.

41. At no time should drill dust or fine coal be used to tamp the shots in a coal mine, as it is not safe for the shot firer or any one else to be near when such a shot explodes.

42. To prevent dust explosions it is necessary that a mine be kept as clean as possible from all loose coal which may be ground into dust, and of all rubbish in which such dust may accumulate, in order to facilitate the removal and wetting of the coal dust. The dust on the walls, timbers and floors of the working places, traveling ways and roadways should be kept wet or removed, and all other precautions against explosions should be practiced with unusual care before any shots are fired in a coal mine, to prevent dust explosions. The system of watering by which the floor is only occasionally sprinkled, and leaves dry dust on the timbers and walls, is useless, and also dangerous, as it may cause an unwarranted feeling of security against an explosion.

43. Sprinkling the traveling and haulage ways, room necks or any other place with water, where necessary, is a good system if carried out right. Some good results have been obtained by using this system in some of the mines in the state of Kansas.

44. Traveling and haulage ways and other places where coal dust is likely to accumulate should be kept clean and sprinkled. To keep the same wet, salt has been used in some of the mines in Kansas with good results. The salt should be scattered on the roof, walls and floors, and in the gob where possible, and in any other place where necessary, as it will keep the dust moist and prevent it from being raised in the air.

45. The humidifying system by which all exhaust steam from the machinery at the mine, and, if necessary, live steam, is turned into the downcast current of the air, has been used for some time in some of the mines in Kansas, and has produced good results.

46. The mine foreman should see that manholes are made on all mechanical and animal-hauling roads, for the protection of the men going to and from their working places, and should be kept clear of all obstructions.

47. The practice of drivers leaving the parting at quitting time in empty cars and running the mules to the bottom on a dead run must be prohibited, for they may run over a miner or other person, or the cars



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may jump the track and knock out some timbers and the result may be an accident.

48. At each mine one man should be designated to thoroughly inspect the cages, safety catches, guides and ropes after each day's work, for an accident may occur which may prove fatal to a cageload of men. A record should be kept of the same every day.

49. A gasoline motor should never be used in a mine except on the return air, where the gases and fumes discharged from that motor will not be inhaled by the men.

50. The man in charge of letting men up and down the mine should be careful to keep all men a safe distance from the cage, and should observe carefully that all men are on the cage before giving the signal to lower or hoist.

51. Extreme caution should be used when placing the plunger for an air bell in a mine. The plunger should be turned down at all times, so the cager or any other man signaling to the engineer will have to lift up on the plunger to ring the bell. If a push plunger is used it must be from five and one-half to six feet from the bottom, so nobody can accidentally push the plunger and ring the bell.

52. In case of an accident to the fan or fan engine, whereby the ventilation of the mine may be checked or stopped to such an extent that it will be inadequate for the men working in the mine, the mine foreman should order all the men out of the mine and not allow them to reënter until there is a sufficient supply of air.

53. At no time should the mine foreman allow the men to turn a room in advance of the last crosscut in the entry.

54. The mine foreman should see to it that all the props delivered to the men are cut as nearly square as possible on each end, as a prop that is cut on an angle may cause an accident by a fall of rock.

55. The mine foreman or assistants should visit each working place in a mine at least twice a week, and should observe all faulty conditions in the working places, and instruct the men to use special precautions if needed. They should make a daily report of places visited by them.

56. The mine foremen should see to it that every ventilating fan at the mines in the Kansas coal field is kept in operation continuously day and night, so it will clear the mine of all powder smoke or other noxious gases before the men enter the mine.

57. Every ventilating fan at the mines should be equipped with a recording instrument by which the number of revolutions of the fan is registered. A record of the same should be kept every day by the mine foreman or employee designated to keep the same.

58. The mine foreman should read the report of the fire boss every day and countersign the same in ink.

59. The operator should at all times keep the washhouses in a sanitary and healthful condition, and the miners and men using the same should assist in doing likewise, and not waste or destroy water, light, heat or power necessary to maintain healthful conditions. At no time should they be permitted to leave in their lockers any matches, dynamite, dynamite caps or any other explosive that is liable to ignite and destroy property of the company or endanger the lives of others using the premises.

60. The mines in the state of Kansas should be provided with a mechanical device which fires the shots from the surface, making it unnecessary for any one being in the mine while the shots are being fired.

61. At all mines where mechanical shot-firing devices are used a standard checking system should be furnished for the men employed, and every person entering and leaving the mine should be checked in and out.

62. Sufficient time should be given the men employed at a mine where a mechanical shot-firing device is used to enable them to get to the sur-

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face before any shots are fired. At no time should any shots be fired until every man or check is accounted for.

63. At any mine where an electric current is used to fire shots the circuit should be broken at the bottom of the mine and a piece of wire about nine feet long removed and taken to the surface and not brought into the mine until ready to fire shots. There should also be a ground switch on the bottom and on top, and this circuit should be kept open while anybody is in the mine, on account of lightning or any short circuit that may occur.

64. At all mines where mechanical shot-firing devices are used and should the occasion arise that men must go into the mine while firing shots, they should be provided with mechanical breathing devices and up-to-date safety lamps.

65. In case of an electric shock, break or shut off the electric current instantly, using any dry nonconductor to move the patient or wire. Never use any wire or moist material to move the patient or the electric wire, and see to it that the breathing of the injured person is restored by manual artificial respiration or by some mechanical device, and send for the nearest doctor at once. Give the patient fresh air, keep his body warm, and do not give him any liquid by mouth until he is fully conscious.

66. To break an electric current use a short piece of rail, tamping bar or any other piece of metal of sufficient length; place the end on one wire or rail and let the other end of the bar fall against the other electric current. At no time hold any electric conductor in your hand to connect the negative and positive current. Drop it at all times. In case of a double wire throw a wrench or any other metal across the wire, and it will short-circuit the current and relieve the injured party.

OBSERVE SAFETY FIRST AT ALL TIMES.

It is Always Better to be Wise and Safe than to be Foolhardy and Sorry.

At each mine in the state of Kansas a first-aid and mine-rescue team should be organized, and it should be provided with first-aid material, and if necessary with some mine-rescue apparatus.

Every man employed in a mine should have some knowledge of first-aid treatment, especially mine officials, drivers and any other day men. They should be provided with the necessary first-aid material. The pocket first-aid packet is used extensively and is bringing good results.

In case of an explosion the rescue party should first examine the fan and engine, and if damaged they should be repaired, and then speed up the fan. An effort should then be made to get to the bottom of the mine at once. At no time should the direction of the air current be changed after an explosion, except after careful consideration. The men entombed will rely on the direction in which the air should be traveling to find their way out, and if the air is changed it will, on account of the air current not traveling its usual way, confuse them and may cause their death by suffocation.

Do not allow all of the men to discuss matters and suggest plans, as it will not speed the work any and will cause confusion among themselves. They should select one man as the leader—a man who has had some experience in mine explosions—and follow his advice.

As soon as the rescue party finds it difficult to advance it should at once form into relay squads of two or three men each, and let part of the squads take care of the ventilation and the other part endeavor to find the injured men or bodies. Each squad should have a leader who is