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DEVICES TO SAVE LIVES OF MINERS

U. S. Bureau of Mines Has Produced Six Inventions to Save Human Lives.

WASHINGTON, June 18.—That inventions will be produced under government control and even without hope of material reward by the workers is shown by the fact that engineers of the United States Bureau of Mines have recently perfected six devices, five of which indirectly involve the saving of human life, and the sixth the saving from waste of natural resources.

In each instance application has been made for patent in order to retain these devices for the use of the people without the payment of royalty and to prevent any commercial concern from gaining a monopoly in their manufacture.

Perhaps the most important of the inventions that are so being dedicated to improvements in the rescue apparatus worn by miners following disasters. This apparatus, which supplies oxygen to the rescuer, permits him to enter poisonous gases and carry on his work for a period of two hours.

Old Device Cost Three Lives.

In the Bureau of Mines' experience with this oxygen-breathing device three rescuers have lost their lives, and in each instance it is believed their deaths were due to certain defects in the apparatus.

This led to a desperate attempt upon the part of the engineers to construct an apparatus that would be reasonably safe. The engineers found considerable difficulty in the absorption of the poisonous matter of the breath in the apparatus, and also in the reduction of the high pressure oxygen carried in the tanks on the backs of the rescuer.

Both problems are submitted to William E. Gibbs, consulting engineer of the bureau, and after research covering several months the solution of both problems is announced in applications made for patents. The caustic soda which is used in the apparatus in taking up the poisonous exhalations of the breath has been so adjusted as to permit a continuous flow of the expired air. A series of successful experiments have already been made upon devices.

Valve Solves Second Problem.

The second problem—the reduction of the oxygen pressure of 2,000 pounds to the square inch to the proper amount needed by the rescuer—has been accomplished by the invention of a new type of valve. The apparatus as presented reduces the oxygen pressure, but supplies the oxygen at a constant rate, no matter how much the rescuer needs.

A third invention is that of a collapsible mine cage for use in rescue work following a mine disaster. Ortop the mine cage is so badly shattered by the effects of explosions that it cannot be operated in such instances, it is claimed, the collapsible cage would save the day in rescue work and perhaps be the means of saving many lives. The designer of this cage is George S. Rice, the chief mining engineer of the Bureau of Mines.

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MR. DOOLEY TALKS ON THE OPEN SHOP

"What is all this talk in the papers about the open shop," asked Mr. Hennessey.

"Why don't ye know?" said Mr. Dooley. "Really I'm surprised at your ignorance, Hennessey. What is the open shop? Sure, 'tis a shop where they kape th' door open 't' accomodate th' constant stream of min comin' in 't' take jobs cheaper than th' min that has th' jobs. 'Tis like this, Hennessey. Suppose wan of these free-born American citizens is wurkin' in an open shop for th' princely wages or one large iron dollar a day for tin hours. Along comes another free-born son-of-a-gun an' sez 't' th' boss, 'I think I could handle th' job for 90 cents.' 'Shure!' sez th' boss, an' wan dollar, man goes out into th' crowd world exercise his inalienable rights as a free born American citizen and scab on some other poor devil. An' so it goes on, Hennessey. An' who gets th' benefit? Thru, it saves the boss money, but he don't care no more for money than he does for his right eye. It's the principle with him. He hates 't' see min robbed of their independence, regardless of anything else."

"But," said Mr. Hennessey, "these open shop min ye mention say they are for the unions, if properly conducted."

"Shure," said Mr. Dooley. "If properly conducted. An' there ye are. An' how wud they have them conducted? No strikes; no rules; no contracts; no scales; barely innny wages, an' dam few mimbers."—Peter Finley Dunne.

CHEEST, I HAD TO LAUGH.

Me and me goll was walkin' along thru de woods one day and we seen a cat; at least we 'out it was a cat. So I says to me goll, "Pat de cat!"

She says, "Naw."

I says, "Pat de cat."

She says, "Naw."

I says, "Aw, f'wan; pat de cat!"

So she patted de cat, and sheest I had to laugh! It warn't no cat.

What is needed is a way devised for the parcel post to deliver its scrambled eggs socked.

SECRETARY BRYAN MUST NOT TALK

Officials Who Talk As a Side Line to Be Fined and Imprisoned.

WASHINGTON, June 19.—The recent announcement by William J. Bryan, Secretary of State, and certain members of congress had signed contracts to appear on the Chautauqua circuit this summer has prompted Representative Britten of Illinois to offer a bill making such activities on the part of public officials a violation of law.

Britten is of the opinion that department heads and members of congress should stick to their public jobs and leave the Chautauqua field to yodelers, tumblers and other performers of that kind.

His bill proposes an amendment to the Penal Code, making it unlawful for any government official or member of congress to accept an address for pay, other than his actual hotel and traveling expenses, during the time he occupies such position. The bill provides for a fine of not more than \$10,000 and imprisonment for not more than two years for violation of the law.

STRIKE SPREADS TO CITY OF SWISSVALE

Pittsburg, Pa., June 19.—Because the Westinghouse companies yesterday refused to treat with their 10,000 striking employes, the Allegheny congenial industrial colony today called out the 1,500 men in the plant of the Union Switch and Signal Company at Swissvale.

The strike was scheduled for noon, and a parade of east Pittsburg strikers was formed at 9 o'clock to encourage the movement. With five bands, one of them made up of bagpipers, fully 5,000 men and women marched to the Turtle Creek playground for a meeting before moving on to Swissvale.

Picket lines were strengthened during the night, and careful watch kept on the railroad adjacent to the factories where the strike is on. Scores of men wearing gumboots patrolled the banks of Turtle Creek at the point where the armed guards were stationed early in the week.

Officers of the Union say they have the men well in hand and express the belief that there will be no disorder as long as the county authorities prevent the sale of liquor in the strike district.

"SENATE STALLING," SO SAYS W. J. BRYAN

PENNINGTON, N. J., June 19.—In an interview prior to his address at the commencement of the Pennington school, Secretary of State Bryan declared the United States senate was blocking the progress of legislation that has been urged upon it by the Wilson administration. "The senate's rule-providing for unlimited debate upon all matters before it is described as 'plutocracy's last stronghold.' 'Plutocracy has been defeated,' he added, 'wherever the issue could be presented; but its last stronghold has yet to be taken. I have no doubt, however, that this will be taken before long; the sentiment against unlimited debate is constantly increasing.'"

G. W. PERKINS WILL NOT LEAVE PARTY

NEW YORK, June 19.—G. W. Perkins said he has no intention of retiring as chairman of the executive committee of the Moose national committee.

"What Mr. Pinchot says cannot drive me out of the party," said Mr. Perkins. "I don't think anything will happen as a result of Mr. Pinchot's letter. I don't think it will change either his relations or mine to the Moose party."

"I don't question Mr. Pinchot's sincerity," Mr. Perkins said. "I have known his views on these matters for some time. He knows mine, so a discussion of our differences would not do any good. The whole thing now is that we will differ on these things before the entire country."

PENN. MINE WORKERS ADOPT WAGE SCALE

PITTSBURGH, Pa., June 19.—Adjusting conditions so that peace for a period of two years is assured in the bituminous coal fields of western Pennsylvania, the special convention of District No. 5, United Mine Workers, President Van Bittner presiding, in Labor temple, adjourned last night.

Changes in the contract dealt entirely with what is known as the outside day wage scale. This scale guarantees for dumpers \$2.30 a day, rockmen \$2.45 a day, bushers \$2.05 a day, trimmers \$2.25 a day, and car cleaners \$2 a day. Wages and conditions of blacksmiths, carpenters and rivermen remain the same. Firemen hereafter will work only eight hours a day, but at the same wages as are now paid.

WANT BASE BALL GAME WITH DULUTH PRINTERS

The St. Paul Typographical Union Baseball club has issued a challenge to the Duluth printers for a ball game to be played at Duluth during the labor convention. The Duluth printers have accepted. On the Sunday morning preceding the convention the state printers will hold a meeting at Kalamazoo hall. The ball game will take place in the afternoon, and in the evening the local printers will give a banquet in honor of the visiting typographers.

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COAL MINERS' DEATH RATE IN U. S. GROWS

The Bureau of Mine Statistics Show Increase of Fatalities Over 1913.

WASHINGTON, June 19.—Men killed in and about coal mines in the United States during April numbered 346, as compared with 285 in April, 1913, according to Bureau of Mine statistics announced today. The large increase this April was due to an explosion at Eccles, W. Va., which resulted in the death of 180 men.

For the four months ended with April, this year's total was 917 men killed, compared with 818 men killed last year during the first four months. During 1913 there were 2,785 men killed in and about mines in the country.

This was at the rate of 3.32 per 1,000 men employed and 4.88 per 1,000,000 short tons of coal mined, or a production of 204,585 short tons of coal for every life lost.

ANOTHER UNION FOR INTERNATIONAL FALLS

John M. Stoughton of Fort Edward, N. Y., organizer for the International Brotherhood of Pulp, Sulphite and Paper Mill Workers, was in Duluth during the week accompanied by George A. Schneider, vice president of the International Brotherhood of Papermakers.

Mr. Stoughton was on his way to International Falls for the purpose of looking over the field with a view of organizing the unskilled workmen employed at the paper mills there. Mr. Schneider is making a tour through the state, visiting St. Cloud, Sartell, Grand Rapids, Cloquet and International Falls. He said the trade in the paper industry was fair. He left for the Soo last evening.

BARTENDERS SLAUGHTER PRINTERS' BALL TEAM

The baseball teams of the Typographical and Bartenders' unions met at Desmond park last Sunday afternoon in a deadly contest. Motor boats were stationed out in the harbor to pick up wild balls. The score was awful. It is a shame to make it public. The bartenders put it over on the printers to the tune of 23 to 2. Of course this story comes from a bartender. The printers are silent. In any event it was an awful slaughter. Catlin and Brown were the battery for the printers, while Larson and Mueller did honors for the bartenders.

SCHOOL BOARD WILL GRANT AN 8 HOUR DAY

Detroit, June 19.—As a result of conferences between the executive board of the Detroit Federation of Labor and the Board of Education, the latter has modified its long work day rule for painters, and hereafter these workers will enjoy the eight-hour day.

Labor Convention
DULUTH, JULY 20-21-22, 1914

The Minnesota State Federation of Labor will hold its Annual Convention at Duluth, Minnesota on above dates, and delegates and members from all parts of the state will go. Arrange to attend this convention and use

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Night Express Leave St. Paul 11:10 p. m., Minneapolis 11:45 p. m., arrives Duluth 6:30 a. m. Electric Lighted Sleeping Cars are on track and ready for occupancy at 9:00 p. m., and passengers may remain in their berths until 8:00 a. m.

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