

Rules.

1. The officers shall be as follows: A manager of events, a secretary, and assistants, a field marshal and assistants, and a chief usher and assistants.

2. Each team may be identified by the number worn by the captain, the same corresponding to the number on the printed list of teams on the final programme.

3. Each team shall perform according to the numbers assigned; all holding odd numbers performing together; subsequently, those holding even numbers, together.

4. All patients must be placed on stretcher after each treatment. All artificial respiration must be given for one minute.

5. No practicing shall be permitted on the day of demonstrations, nor shall the patient assist in any treatment.

6. As soon as an event has been completed, the team shall stand at position and the captain shall raise his hand.

7. The number of each event will be displayed, as performed upon the bulletin board.

8. The beginning and closing of each event will be designated by the sounding of a gong. Two signals will be given for removal of bandages.

EVENT II.—10.30 to 11.30 a.m.

Part I.—A permissible explosive, equal in disruptive force to one-half pound of 40 per cent. nitroglycerine dynamite, tamped with one pound of dry fire clay, will be fired into the gallery.

No explosion of the coal dust is expected.

The Forbes Field Dust Gallery.

This gallery is cylindrical, 133 feet long, and an internal diameter of six feet four inches, and represents an underground tunnel or part of a coal mine. The explosive is fired into the end of the gallery. Within the gallery are 133 pounds of fine coal dust from the Pittsburgh seam, distributed uniformly throughout, and 20 pounds on a wooden bench 20 feet long near the mouth of the cannon, making a total of 153 pounds of coal dust.

Part II.—Demonstration of the use of birds in exploring mines after explosions or mine fires, at which carbon monoxide causes a large percentage of the fatalities. A few birds, which are much more sensitive to the effect of poisonous gas than men, can be taken into a mine with a rescue party, and as soon as they show signs of distress, the party can retreat to a safety. In the demonstrations a man will enter a glass box, the atmosphere of which contains 0.25 of 1 per cent. of carbon monoxide gas, and remain there for some time after the birds have collapsed.

Part III.—A charge of FFF black blasting powder, equal in disruptive force to one-half pound of 40 per cent. nitroglycerine, tamped with dry fire clay, will be fired into the gallery containing 153 pounds bituminous coal dust, being the same dust as that used in Event II, Part I.

An explosion of coal dust is anticipated.

Part IV.—Foremen miners of the Bureau of Mines, equipped with various types of artificial breathing apparatus, will enter the gallery immediately after the coal dust explosion and recover supposed victims of mine explosion. First aid miners of the Bureau of Mines will resuscitate those overcome by noxious gases, using artificial respiration and oxygen respirator apparatus. They will administer first aid to the injured, using in this demonstration only the pocket

first aid packet and those things which might be near after an explosion in a mine.

EVENT III.—11.30 to 12 Noon.

Introduction of President Taft by Joseph A. Holmes, Director, United States Bureau of Mines.

Presentation of medals, by William H. Taft, President of the United States.

Address, John K. Tener, Governor of the Commonwealth of Pennsylvania.

Address, Walter L. Fisher, Secretary of the Interior.

Address, Miss Mabel Boardman, American National Red Cross Society.

EVENT IV.

Parade of 19,927 miners, each of whom in his person represents one of the 19,927 men killed in the coal mines of the United States in the last twenty years.

Miners to march in review before the President's stand, and then to special cars on Forbes Street, which will carry them to the river front, where they will witness the marine parade commemorative of the Centenary of the Opening of Steam Navigation on the Ohio River.

NATIONAL MINE SAFETY DEMONSTRATION.**Entrance Rules.**

The following rules, with suggestions, are sent mine operators who expect to enter first aid teams in the National Mine Safety Demonstration.

Rule 1.—The National Mine Safety Demonstration will be a non-competitive exhibition of skill in first aid to the injured in mines.

Rule 2.—Not more than one team of five men to represent any one coal mine, or the U. S. Bureau of Mines, or state mine departments, except that coal mining companies operating more than one mine may enter additional teams representative of groups of miners, helpers, trapper boys, or other mine workers.

Rule 3.—All persons entering to submit certificates showing that they are, or have been, bona fide mine workers.

[Suggestion—Submit a brief statement by one of the state mine inspectors to the effect that Messrs. Jone Doe, Richard Roe, etc., have worked in and around coal mines (give minimum length of time). (Signed and dated:— Inspector).]

Rule 4.—All entries to close one month prior to date finally selected for the meet (viz., Sept. 30, midnight).

[Suggestion.—The entries, like the certificates, need not follow any particular form, being merely a letter stating that you enter the following men, giving the full name of all entrants with the company name and official in charge.

Positively no entries will be accepted after October 1, since names are to appear on souvenir programme, which will go to press that day.]

Rule 5.—Coal companies entering teams to be invited to present, not later than one month in advance of the meet, viz., Sept. 30th, a list of five events as their choice, these to be submitted to the managers, who will select five for adoption from the various events suggested, each entering team to exhibit in these events suggested by them and such others of the five as they may elect.

[Suggestion.—The five events you prefer will, with others, be submitted to the committee to the committee of managers, who will select for the public exhibit from all those suggestions, the five which have the majority of recommendations. No suggestions will be received after October 1, on which date the five events selected will go to press. You will be notified promptly.