

J. ERVIN & W. KEETON.
POWDER MAGAZINE.
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948,923.

Patented Feb. 8, 1910.

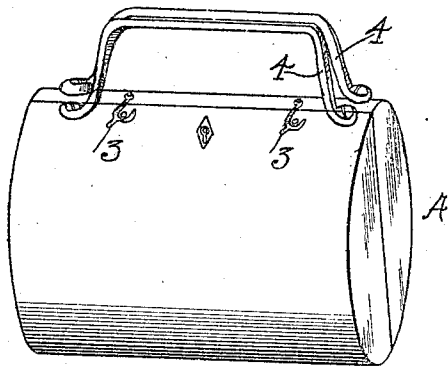


Fig. 1

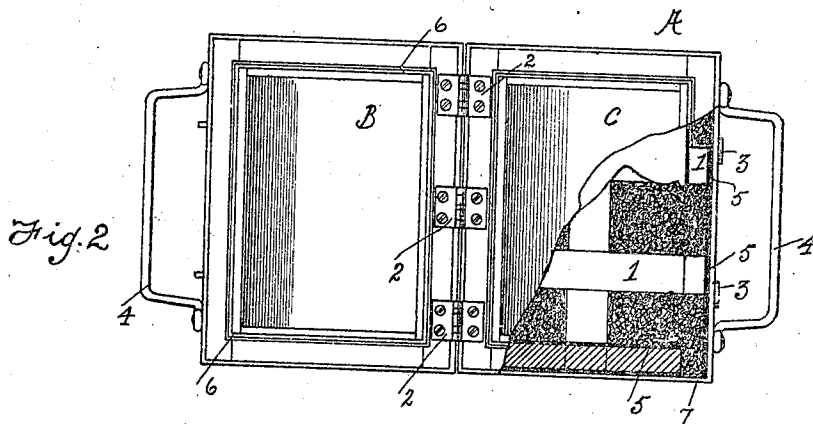


Fig. 2

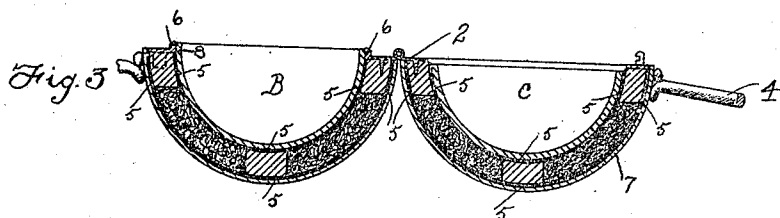


Fig. 3

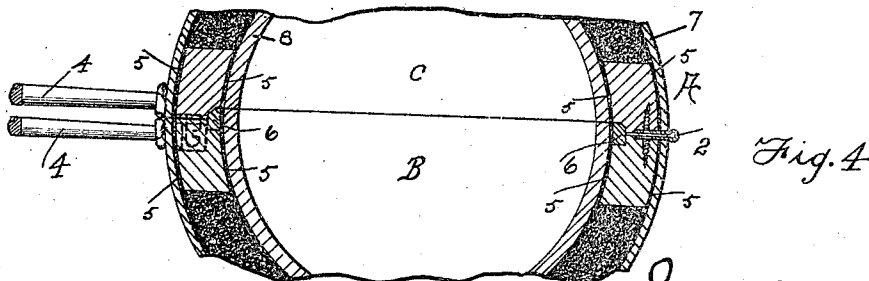


Fig. 4

Witnesses
W. Jones.
J. L. Curand.

Inventors
Jerry Ervin
and William Keeton
By Louis Rogers & Co.
their Attorneys

UNITED STATES PATENT OFFICE.

JERRY ERVIN AND WILLIAM KEETON, OF NELSONVILLE, OHIO.

POWDER-MAGAZINE.

948,923.

Specification of Letters Patent.

Patented Feb. 8, 1910.

Application filed January 12, 1909. Serial No. 471,969.

To all whom it may concern:

Be it known that we, JERRY ERVIN and WILLIAM KEETON, citizens of the United States, residing at Nelsonville, in the county of Athens and State of Ohio, have invented certain new and useful Improvements in Powder-Magazines, of which the following is a specification.

Our invention relates to an improvement in magazines for powder, and the object is to provide a receptacle more particularly for miners, whereby powder can be conveyed in the receptacle by the miner to any destination without the possibility of the powder in the receptacle being exploded by coming in contact with fire or other ignitable substances while in the receptacle.

The invention consists in certain novel features of construction and combination of parts which will be hereinafter fully described and pointed out in the claims.

In the accompanying drawings—Figure 1 is a perspective view; Fig. 2 is a view in elevation showing the compartments open and one of the compartments having certain parts broken away to disclose the interior structure; Fig. 3 is a longitudinal sectional view of Fig. 2; and Fig. 4 is a detailed sectional view of Fig. 1 disclosing the rubber packing around the edges of the receptacle.

A, represents the magazine which is made in two compartments B and C. The compartments are constructed preferably of wooden frames 1, 1 made semicylindrical or concave. The two frames are connected together by hinges 2, 2 and are closed by hooks or clasps 3, handles 4 being formed on each compartment for carrying the receptacle. The frames of both compartments are provided with a lining on each side of asbestos 5. Between the ends of the frame and between the lining on each side of the frame a filling of asbestos is received. On the outer surface of each compartment or frame and over the asbestos lining is a metallic covering 7 of zinc or copper, or any other suitable material. The interior of the compartments is covered with rubber 8 over the asbestos lining. Around the edges of the compartment B in the frame

a wedge shaped strip or packing 6 of rubber is received, which is adapted to be received in a groove around the frame 1 of the compartment C for forming an airtight connection between the compartments, thereby making the receptacle airtight.

This magazine or receptacle provides a safe means for conducting and conveying powder into mines and is proof against fire and explosive gases and other igniting means. These receptacles are made about the size of the ordinary powder magazine, but can be constructed larger or smaller as desired. These receptacles can be used for storing the powder as well as forming a means for conducting it through the mines.

It is evident that more or less slight changes might be made in the form and arrangement of the several parts described without departing from the spirit and scope of our invention, and hence we do not wish to be limited to the exact construction herein set forth, but:—

Having fully described our invention, what we claim as new and desire to secure by Letters Patent is:—

1. A powder magazine comprising compartments hinged together, an asbestos lining on the exterior and interior surfaces of the compartments, a metallic covering on the exterior surface of the compartments, and a lining of rubber on the interior surface.

2. A powder magazine comprising compartments hinged together, an asbestos lining on the exterior and interior surfaces of the compartments, a metallic covering on the exterior surface of the compartments, a lining of rubber on the interior surface, and means for connecting the compartments together.

3. A powder magazine, comprising compartments consisting of frames hinged together, an asbestos lining around said frames, a metallic covering on the exterior surface of the compartments, a lining of rubber on the interior surface of each compartment, and means for connecting the compartments together.

4. A powder magazine, comprising compartments consisting of frames hinged to-

gether, an asbestos lining around said frames, a metallic covering on the exterior of each frame, and a lining of rubber on the interior surface of each frame, a packing
5 strip connected to one of the frames adapted to be received in a groove in the other frame for forming an air tight connection between the frames.

In testimony whereof we affix our signatures, in the presence of two witnesses.

JERRY ERVIN.
WILLIAM KEETON.

Witnesses:

GARNETT TUCKER,
C. W. JUNIPER.