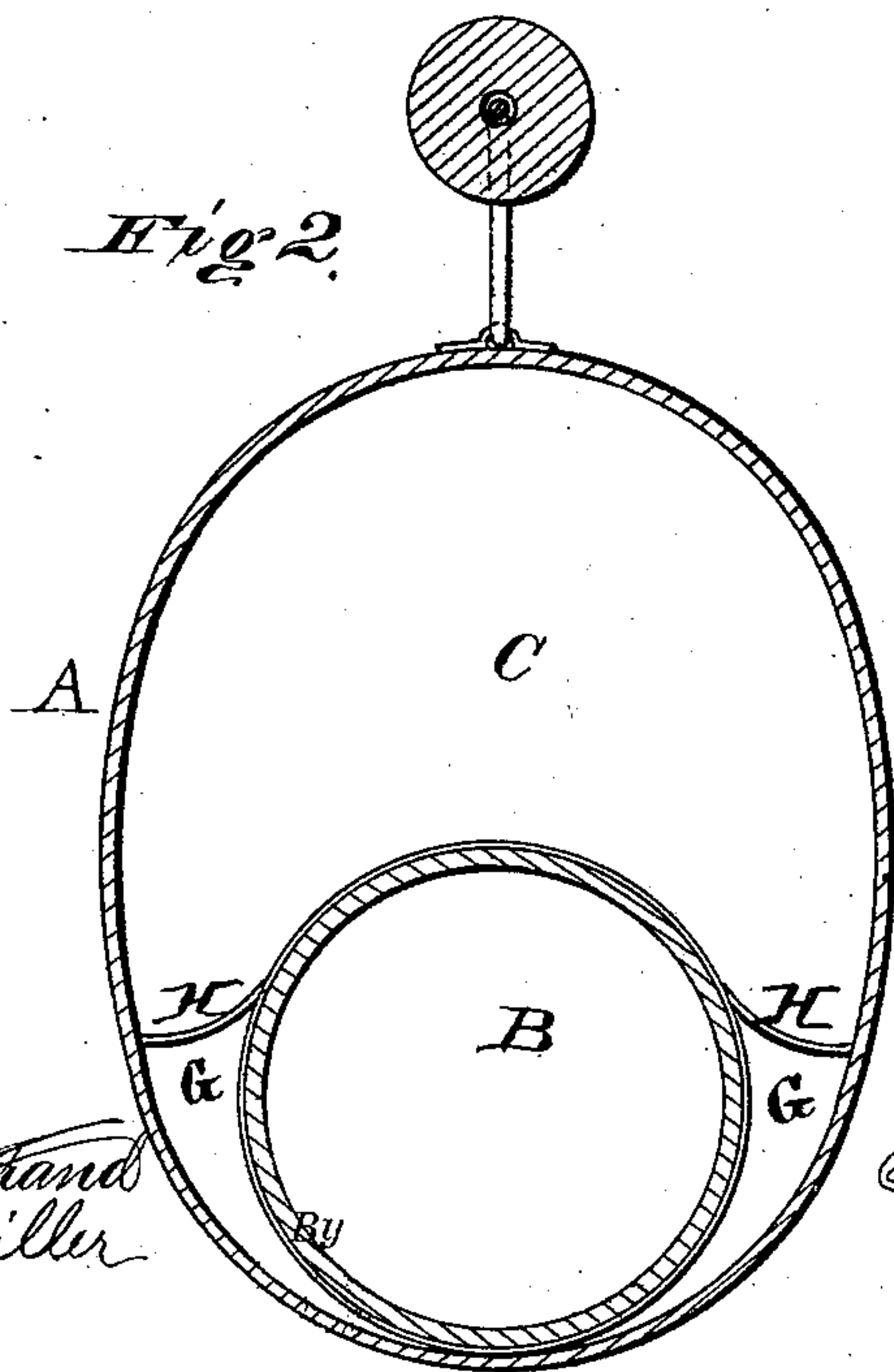
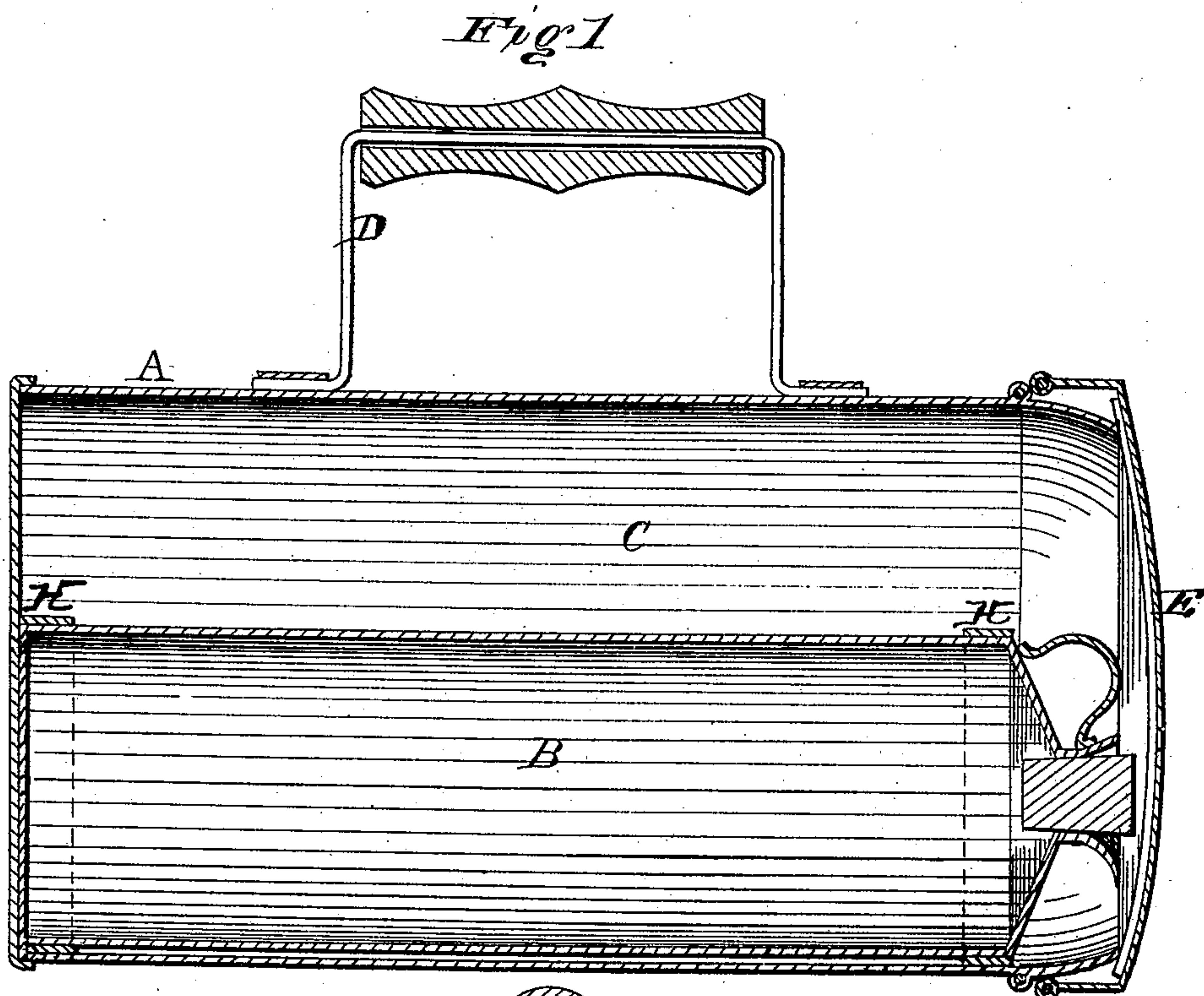


P. A. OLIVER.

COMBINED POWDER-CAN AND CARTRIDGE-CASE.

No. 180,366.

Patented July 25, 1876.



WITNESSES
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PAUL A. OLIVER, OF WILKESBARRE, PENNSYLVANIA.

IMPROVEMENT IN COMBINED POWDER-CANS AND CARTRIDGE-CASES.

Specification forming part of Letters Patent No. **180,366**, dated July 25, 1876; application filed March 6, 1876.

To all whom it may concern:

Be it known that I, PAUL A. OLIVER, of Wilkesbarre, in the county of Luzerne, and in the State of Pennsylvania, have invented certain new and useful Improvements in Combined Powder-Can and Cartridge-Case; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention consists of a combined powder-can and cartridge-case, the latter composed of an outer case having a hinged cover at one end, and an exterior side handle, and provided on its interior with metal strips, holding the powder-can in position, as will be hereinafter more fully set forth.

To enable others more skilled in the art to make and use the same, I will now proceed to more fully describe it, referring to the annexed drawings, forming a part of this specification, in which—

Figure 1 represents a longitudinal section of my invention. Fig. 2 is a transverse section of the same.

My invention is intended expressly for the use of miners, more particularly in mining coal. The cartridges and powder at present are carried into the mine separately. I propose to furnish the miners with a package which accommodates the two together, making it much more convenient, and at the same time safer, the powder being in the inner can, and the cartridges also protected

from accidental mutilation by the outside shell.

I first construct a tight case-body, of metal or other suitable material, of suitable size or shape, such as round, square, oblong, or polygonal. In the interior of this case is formed a partitioned space, G, of a size to allow a can of powder to be placed. This space is formed by means of two or more metal strips, H H. Around the space for the insertion of the powder-can is a receptacle or receptacles for placing the blasting-cartridges.

A represents the main case; G, the partitioned space for the powder-can; B C, the receptacle for placing the cartridges.

This invention is cheaply made, and will be found very convenient for miners.

D represents a handle attached to the side of the case, and E represents the hinged top, which not only secures the cartridges in their receptacle, but also prevents the powder-can from slipping out.

Having thus fully described my invention, what I claim is—

A combined powder-can and cartridge-case, consisting of the outer case A, having the hinged cover E at one end, and the side handle D and the inner case B, which is held in position by the metal strips H, substantially in the manner and for the purpose specified.

PAUL A. OLIVER.

Witnesses:

S. L. BROWN,
C. M. CONYINGHAM.