(No Model.)

G. M. PETERS.

BLASTING CARTRIDGE.

No. 422,440. Patented Mar. 4, 1890.

Fig. 1.

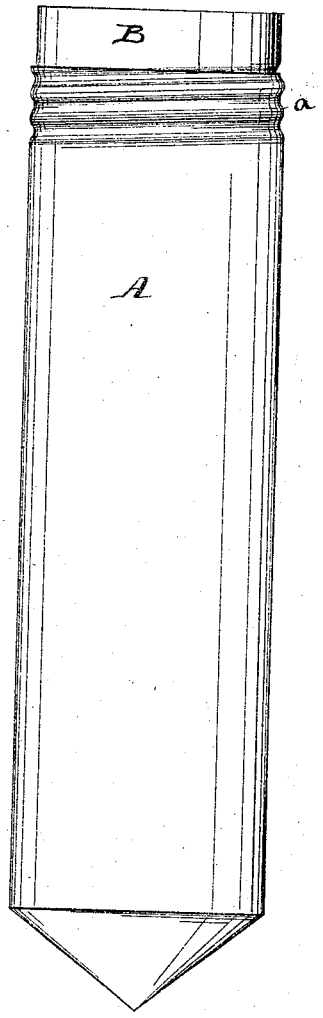
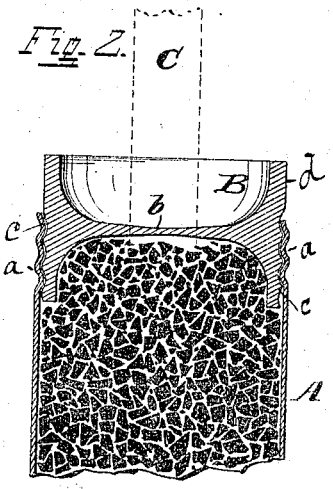


Fig. 2.



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UNITED STATES PATENT OFFICE.

GERSHOM MOORE PETERS, OF CINCINNATI, OHIO.

BLASTING-CARTRIDGE.

SPECIFICATION forming part of Letters Patent No. 422,440, dated March 4, 1890.

Application filed August 14, 1889. Serial No. 320,710. (No model.)

To all whom it may concern:

Be it known that I, GERSHOM MOORE PETERS, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Blasting-Cartridges; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to blasting-cartridges, and is an improvement on the one granted to me August 10, 1889, Serial No. 307,692. In the one above referred to the sealing-cap is secured to the cartridge-case by seaming the edges of the case over the edge of the cap. In the one now presented the cap is screw-threaded and engages a corresponding thread in the cartridge-case.

The details of construction and assembling of the parts will be hereinafter described in the specification and illustrated in the accompanying drawings, in which—

Figure 1 is an elevation of the cartridge-case and sealing-cap, and Fig. 2 a section of same.

The tube or case A is preferably made of tin; but any other suitable material may be used—as, for example, paper wound around a mandrel and rendered firm by means of glue or paste. Papier-maché may also be advantageously used, particularly when the cartridges are to be transported long distances and subject to dampness. The sealing cap or plug B is made with an upper flange *d*, forming a cup, and a lower cup having a screw-threaded flange *c*. The separating-partition *b* is made thin, so as to be easily punctured or cut for the admission of the blasting-barrel. The lower cup enters the upper end of the blasting-barrel, and its screw-threaded flange engages a corresponding thread on the upper end of the tube.

The tube may be secured to the inside of the rim or flange *c* without departing from the spirit of the invention. The upper part of plug B extends above the top of the case, so it can be easily manipulated or screwed into or out of the tube. The upper cup, when the blasting-barrel is inserted, is filled with clay, tar, or miners' soap, so as to render it water-proof and at the same time act as a tamping. The plug or cap B is cast in a suitable mold, which will form the subject-matter of a separate application. It may, however, be stamped up from lead, tin, or other suitable material.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a blasting-cartridge, the combination, with the shell, of a sealing-plug having a flanged cup extending above the top and forming an extension of the shell and a lower flange passing down within the shell, said plug being suitably secured to the shell.

2. The combination, with the cartridge-case having a screw-threaded end, of a sealing-plug having a flange extending above the top of the case, and a flange entering the upper end of the case and screw-threaded to engage the thread of the case, as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

G. MOORE PETERS.

Witnesses:
F. C. TUTTLE,
L. R. MYERS.