

A. C. HOBBS.

Improvement in Cartridge Shells for Drill Purposes.

No. 119,357.

Patented Sep. 26, 1871.

Fig 1.

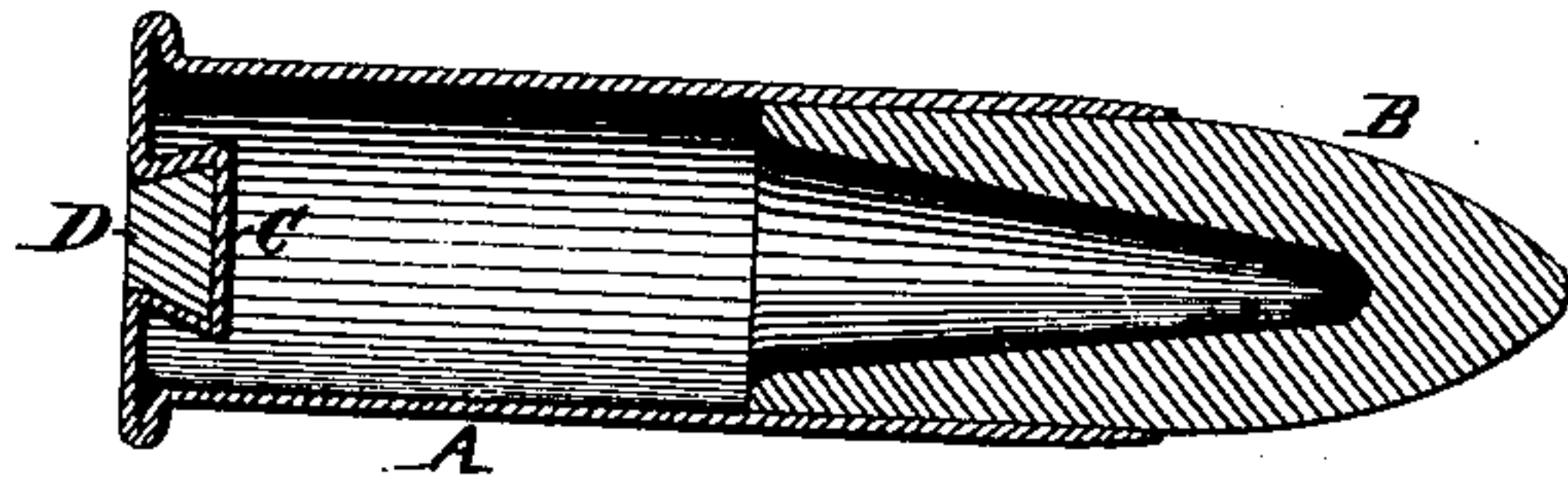
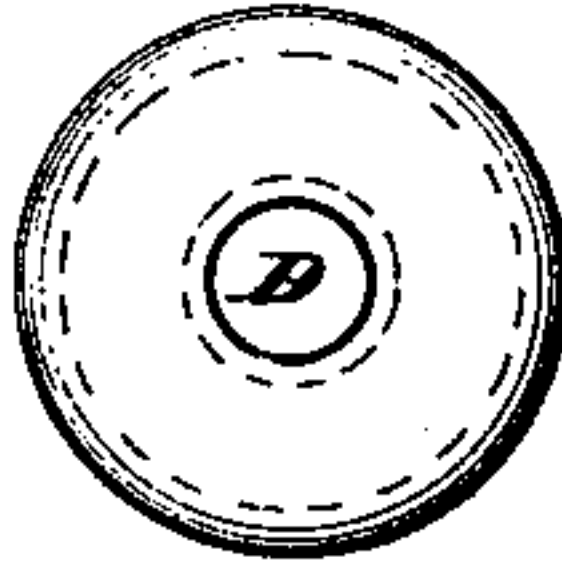


Fig 2.



Witnesses.

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IMPROVEMENT IN CARTRIDGE-SHELLS FOR DRILL PURPOSES.

Specification forming part of Letters Patent No. 119,357, dated September 26, 1871.

To all whom it may concern:

Be it known that I, ALFRED C. HOBBS, of Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain Improvements in Blank Cartridges, of which the following is a specification, reference being had to the accompanying drawing.

My invention relates to metallic cartridges; and the invention consists in making a blank cartridge with a rubber disk applied in a manner hereinafter more fully explained.

Fig. 1 is a longitudinal vertical section, and Fig. 2 is a rear end elevation of a cartridge made on my plan.

The object of this invention is to provide a blank cartridge to be used in drilling troops and teaching them the manipulation of breech-loading arms, in which metallic cartridges are to be used. In such blank cartridges the use of powder and fulminate is dispensed with; and it is desirable to so make them that they can be used repeatedly without injury, so as to lessen the expense.

To provide such a cartridge, I make a metallic shell or case, A, of a size to fit the chamber of the arm, and provided with the usual flange for withdrawing it therefrom, as shown in Fig. 1. This shell I form with a dovetailed recess, C, into which I fit a disk or block of rubber, D, as represented in Fig. 1. This disk of rubber, as shown in Fig. 2, is placed at the center of the head—at a point where the firing-pin will strike against it

when inserted in the chamber of the arm—it thus taking the place of the fulminate or cap of the loaded cartridge. In order to enable the cartridge to enter the chamber readily, I provide it with a pointed bullet, B, which, to render it as light as possible, I make hollow, as shown in Fig. 1. This bullet may be made of lead, or of hard wood, bone, or any similar substance; but preferably of some material that will not easily become bruised or defaced, so as to preserve its form as long as possible, and thus enable it to be used a great number of times. The rubber disk acts as a cushion to receive the blow imparted to it by the hammer in going through the operation of firing, and prevents the shell from being injured, and at the same time affords a medium to resist, more or less, the blow of the hammer, by which the firing-pin or point of the hammer is also preserved from injury.

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

1. The rubber disk D, secured to the shell A, by means of the dovetailed recess C, substantially as described.

2. A blank cartridge consisting of the metallic shell A, having the rubber cushion D, and a bullet, B, attached, as herein described.

ALFRED CHARLES HOBBS.

Witnesses:

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