

A. N. NEWTON.
CARTRIDGE.

No. 12,556.

Patented Mar. 20, 1855.

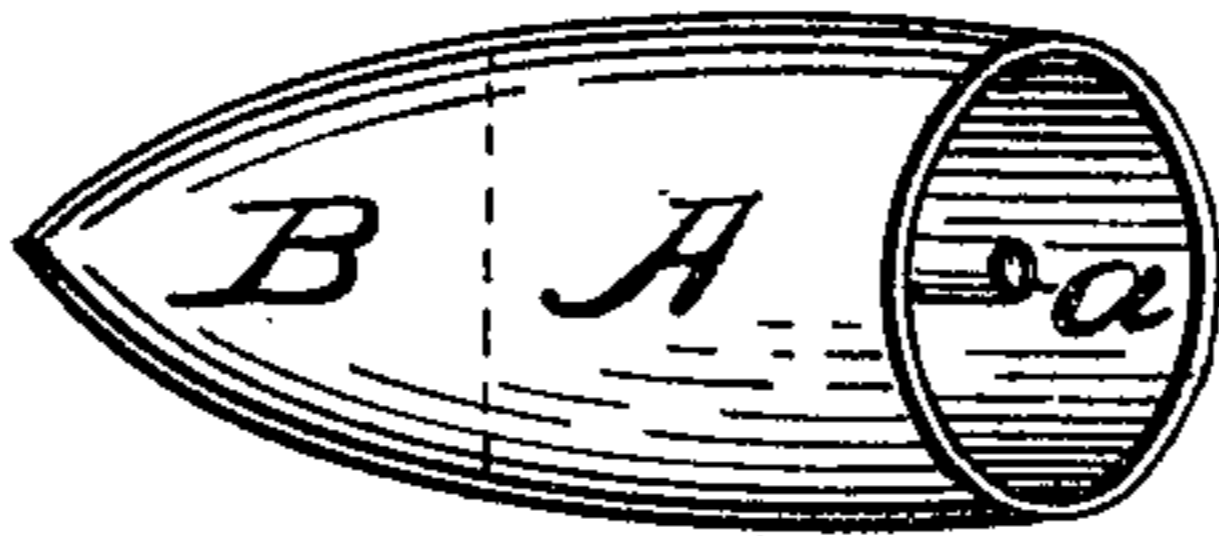


Fig. 1.

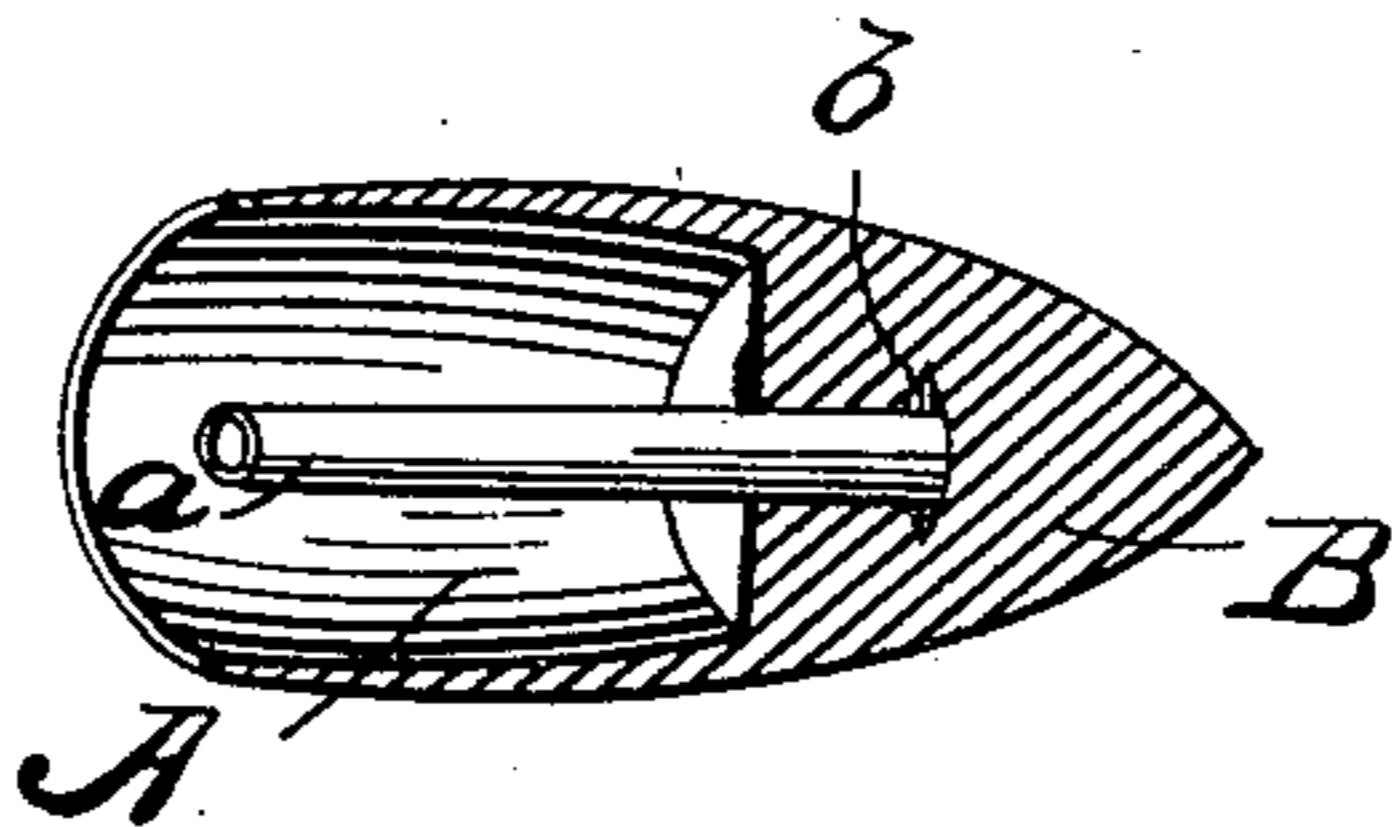
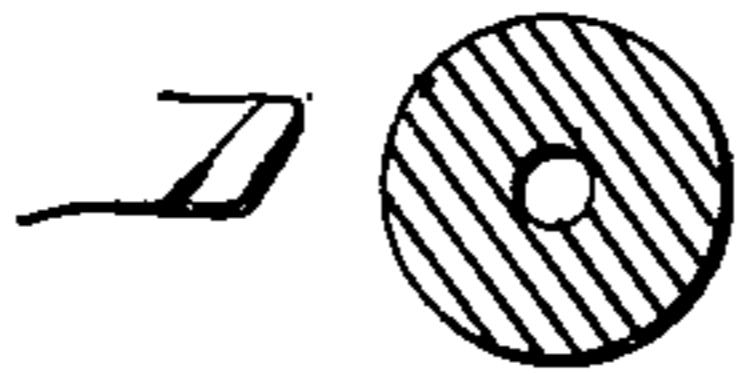


Fig. 2.

Fig. 3.



UNITED STATES PATENT OFFICE.

ABNER N. NEWTON, OF RICHMOND, INDIANA.

IMPROVEMENT IN CARTRIDGES.

Specification forming part of Letters Patent No. 12,556, dated March 20, 1855.

To all whom it may concern:

Be it known that I, ABNER N. NEWTON, of Richmond, in the county of Wayne and State of Indiana, have invented a certain new and useful Improvement in Ball-Cartridges for Fire-Arms; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective view of a ball-cartridge with the head removed, Fig. 2 is a longitudinal section through the center, and Fig. 3 is a head or disk.

The nature of my invention consists in arranging the percussion-powder on the end of a metallic rod, the other end of the rod being attached centrally to the base or rear end of the ball of the cartridge; the percussion being thus arranged, secures certainty in its explosion when struck by the hammer or its equivalent.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I construct my ball-cartridges in any of the known forms.

A, in Figs. 1 and 2, represents the shell of a ball-cartridge which contains the powder. B is the ball, shouldered at its base or rear end, to which shoulder is secured the shell by any adhesive substance. To the base, or to that portion of the ball which rests against the powder, is attached, centrally, a small metallic rod, *a*, as shown in Fig. 2,

extending the entire length of the shell; and to or upon the rear end of the metal rod *a* is secured the percussion-powder in any of its known forms.

C, in Fig. 2, represents that end of the rod *a* which is supported by the ball to be flattened, and prevent its being driven into the lead when the force is applied to explode the percussion.

The shell being secured to the ball and filled with powder, a head, or disk, of any suitable material, with a hole through the center, is placed on or secured within the open end of the cartridge to retain the powder in place, admitting the metal rod *a* with its priming, and serving, at the same time, to keep the rod *a* in a central position.

When the cartridge is placed in the chamber of the gun, the percussion-priming is interposed between the ends of two metal rods, the rear end of the rod *a* and the front end of the needle which operates through the breech-pin, and which ignites the priming when struck on its opposite end by the hammer or its equivalent.

I claim—

The arrangement of the percussion-priming with a metallic rod in the manner above specified, whereby said priming is ignited within the chamber of the gun between the ends of two metallic rods, as herein set forth.

ABNER N. NEWTON.

Attest:

JOHN FINLEY,
HERMON B. PAYNE.