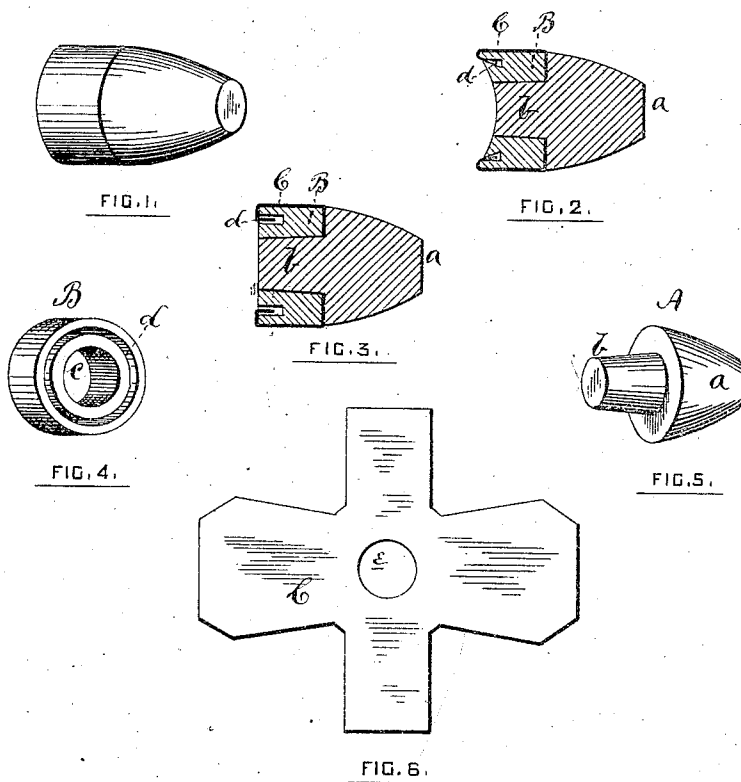


F. O. SCHOLZE.
Patched Bullets.

No. 157,227.

Patented Nov. 24, 1874.



WITNESSES.

John B. Ginnell
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FREDERICK O. SCHOLZE, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN PATCHED BULLETS.

Specification forming part of Letters Patent No. 157,227, dated November 24, 1874; application filed June 1, 1874.

To all whom it may concern:

Be it known that I, FREDERICK O. SCHOLZE, of the city and county of Providence, in the State of Rhode Island, have invented certain new and useful Improvements in the Manufacture of Projectiles for Fire-Arms; and I do hereby declare that the following specification, taken in connection with the drawings, is a full, clear, and exact description thereof.

Figure 1 is a view in perspective of the projectile. Fig. 2 is a longitudinal section. Fig. 3 is a longitudinal section of the projectile before the patch of cloth shown at Fig. 6 is finally secured. Figs. 4 and 5 are members which compose the projectile.

My improvement has reference to a means whereby a greased patch of cloth or other suitable material may be securely attached to a projectile to be used in a fire-arm; and it consists in making the projectile in two parts, or of two members, and which, when combined together, are able, from the peculiarity of the structure of the two parts, to mechanically hold a patch enveloping the base of the ball without the necessity for using any adhesive compound.

The ball when so patched can be attached to a metallic cartridge-shell in the form of fixed ammunition to be used in a breech-loading gun; or it may be used as a ball for a muzzle-loading gun.

Referring to the drawings, A and B, Figs. 4 and 5, represent the two members or parts which compose the projectile. The member A has the usual conical end *a*; but it has also a shank, *b*. The member B is a ring or base piece, having a hole, *c*, through its axis of the same diameter as the shank *b*, upon which it is intended the member B shall be placed. The rear face of the member B is furnished with an annular depression or groove, *d*. C,

Fig. 6, is a patch of cloth, and which is to be greased. It is cut substantially in the form shown, for convenience, in folding around the base member B.

Both members, A and B, can be readily swaged into the form shown by suitable machinery of a character similar to that in common use in manufacturing leaden bullets.

The patch C has a central hole, *e*. It is placed on the member A, the shank *b* being entered into the hole *e*. The base member or ring B is next put upon the shank *b*, and the flaps of the patch C brought over the sides of the base member, and their ends inserted into the annular groove *d*. The projectile is next to be swaged at the base, so as to bring the edges of the groove together and secure the flap ends of the patch therein. The projectile will, after this operation, be in the shape shown at Figs. 1 and 2, and with its base enveloped with a patch.

The operation of folding the flaps and fastening their ends can be performed rapidly and easily by machinery of the same general character as that in use, modified to perform the special work required.

What I claim as my invention, and desire to secure by Letters Patent, is—

A projectile for fire-arms composed of the tip member provided with the shouldered shank *b*, and the annular base member B, provided at its rear end with the annular patch-securing recess *d*, in combination, and arranged substantially as described, for mechanically securing a patch to the projectile, as specified.

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Witnesses:

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