

W. ROSEE
Projectile.

Patented Sept. 5, 1865.

No. 49,792.



Witnesses:

M. M. Livingston

A. F. Schlegel

Inventor:

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UNITED STATES PATENT OFFICE.

WILLIAM ROSÉE, OF NEW YORK, N. Y.

IMPROVEMENT IN BULLETS FOR RIFLED FIRE-ARMS.

Specification forming part of Letters Patent No. **49,792**, dated September 5, 1865; antedated August 25, 1865.

To all whom it may concern:

Be it known that I, WILLIAM ROSÉE, of 123 Allen street, in the city, county, and State of New York, have invented a new and useful Improvement in Elongated Bullets for Rifled Fire-Arms; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side view of a bullet constructed according to my invention. Fig. 2 is a side view of the old-fashioned picket or conical bullet. Fig. 3 is a side view of my bullet on a larger scale than Fig. 1. Fig. 4 is a front end view corresponding with Fig. 3.

Similar letters of reference indicate corresponding parts in the several figures.

The object of my invention is to attain more accuracy in shooting; and to this end it consists in an elongated soft-metal bullet, having a portion of its length cylindrical and of a caliber to fit snugly into the bore of the fire-arm without entering the grooves, with a band or collar around its rear end of such caliber that portions of it have to be forced into the grooves in loading, and with a cylindrical teat on its front end to enable the ramrod to center the bullet in loading at the muzzle of the arm.

To enable others skilled in the art to construct bullets according to my invention, I will proceed to describe it with reference to the drawings.

a is the cylindrical portion of the bullet, which is made to fit the lands of the bore of the fire-arm.

b is the band or collar around the rear end, which is made of a caliber larger than the bore, so that portions of it may be forced into the grooves thereof in loading at the muzzle. In front of the portion *a* the bullet is of conoidal form, and its front end, instead of being pointed, like the old-fashioned picket-bullet shown in Fig. 2, is made with a concentric cylindrical or nearly cylindrical teat, *c*, to be received in a cavity of corresponding form in the ramrod. This bullet is more especially intended for muzzle-loading fire-arms; and in loading, portions

of the band *b* are driven into the grooves of the bore of the fire-arm and the intervening portions compressed into the lands thereof. The teat *c* being received into the cavity in the ramrod in loading, insures the perfect centering of the bullet, or the keeping of its axis coincident with the axis of the bore of the barrel, and so insures true loading much better than the picket-bullet shown in Fig. 2, the point of which, even when rammed with a ramrod having a corresponding cavity, is not always kept in the center of the bore in loading. In firing, the band *b* entering the grooves and the cylindrical portion *a* fitting the lands insure the keeping of the axis of the bullet coincident with the axis of the bore of the fire-arm, and so insure extreme accuracy of shooting. The bullet may be used with a patch, in which case the cylindrical portion *a* must be made of a caliber smaller than the bore, corresponding with the thickness of the patch, so as to obtain a snug but easy fit in the lands of the bore.

I prefer to cast the bullet in a mold which, instead of parting in a plane parallel with the axis of the bullet, parts in a plane perpendicular thereto, so that the whole of the sides and front of the bullet are formed in an undivided portion of the mold, and the base or rear end is formed by a plug which fits and enters slightly into the first-mentioned undivided portion of the mold.

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

An elongated soft-metal bullet constructed with a cylindrical portion, *a*, to fit the lands of the bore without entering the grooves, with a band, *b*, around the rear, of such size as to enter the grooves of the bore in loading, and with a cylindrical teat, *c*, at its front extremity, the whole combined substantially as and for the purpose herein specified.

WILLIAM ROSÉE.

Witnesses:

A. F. SCHLEGEL,
M. M. LIVINGSTON.