

T. DUNSTONE.
Sights for Fire-Arms.

No. 158,577.

Patented Jan. 12, 1875.

Fig. 1.

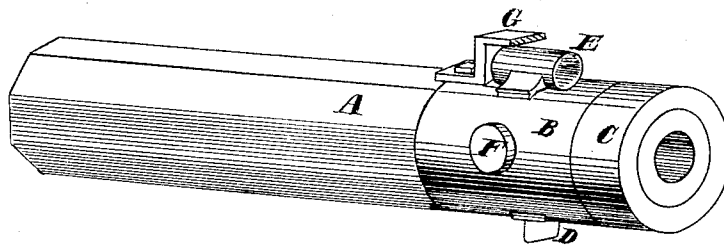


Fig. 2.

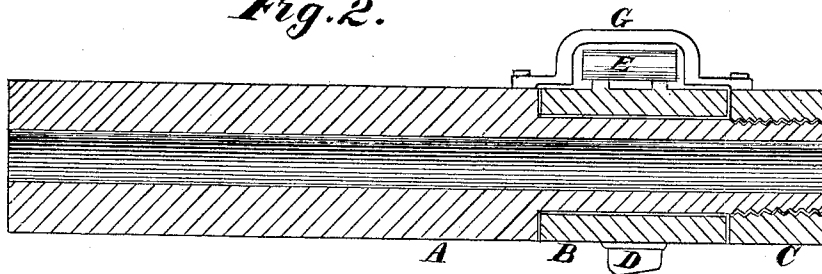
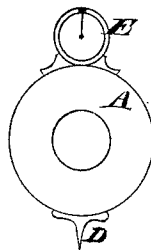


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

THOMAS DUNSTONE, OF SANTA CRUZ, CALIFORNIA.

IMPROVEMENT IN SIGHTS FOR FIRE-ARMS.

Specification forming part of Letters Patent No. **158,577**, dated January 12, 1875; application filed November 28, 1874.

To all whom it may concern :

Be it known that I, THOMAS DUNSTONE, of Santa Cruz, Santa Cruz county, State of California, have invented an Improved Rifle-Sight; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvement without further invention or experiment.

My invention relates to an improvement in the front sight for rifles, by which I am enabled to substitute one of two different kinds of sights for the other at short notice and with little trouble.

My invention consists in mounting the two sights upon convenient sides of a sleeve, which is fitted to turn about the front end of the barrel, and either sight can then be brought to the top of the barrel, when the sleeve may be secured by a set-screw.

Referring to the accompanying drawings for a more complete explanation of my invention, Figure 1 is a perspective view of my device. Fig. 2 is a longitudinal section of a barrel, showing the attachment of the screw and sights.

A is the section of a rifle-barrel nearest the muzzle. The barrel is turned round and somewhat smaller for a short distance from the muzzle, and the sleeve B is fitted accurately to this part. A nut, C, is fitted upon the end of the rifle-barrel to hold the sleeve in place, and the sleeve and nut are both of a size to finish the barrel out nicely. Upon opposite sides or, if desired, at right angles with each other upon the rotating sleeve, I fix the sights D and E in any ordinary manner of securing such sights. The sights most in use are the open sight for hunting, and the globe-sight for target purposes, or any more accurate shooting. Either of these sights may be brought to the top of the barrel by simply

turning the sleeve, and they can be accurately adjusted by a gage or mark, after which the sleeve may be secured by means of a set-screw, F.

By this means I am enabled to provide a simple and easy method of changing sights whenever desired. In muzzle-loading rifles, which carry a ramrod, the sights would have to be set at right angles to each other, but in breech-loaders, they could be placed opposite one another, and in this case I employ a guard, G, below the barrel to protect the sight not in use.

This guard being screwed to the barrel, and also to the nut, may serve to keep the latter from coming off.

In making the sleeve it may be found advantageous to construct it and the shading ring or thimble of the bead-sight in one piece, and the sight may then be set in from the top, as shown at Fig. 3, or by boring through the bottom of the ring it may be set in the usual manner, if preferred.

For military and all light-barreled guns a re-enforcing piece may be set over the muzzle of the gun to receive the rotating sleeve, and it can be set back far enough to allow the use of a bayonet, when necessary.

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

1. The cylindrical rotating carrier or sleeve B, provided with one or more sights, D and E, and constructed to operate substantially as and for the purpose herein described.

2. The guard G and the set-screw F in combination with the rotating sleeve B and sights D and E, substantially as herein described.

In witness whereof I hereunto set my hand and seal.

THOMAS DUNSTONE. [L. s.]

Witnesses:

WILLIAM H. TALBOT,
JOHN MANNENY.