C. F. ROBBINS.

REAR SIGHT FOR FIRE-ARMS.

No. 190,782. Patented May 15, 1877.

Fig. 1

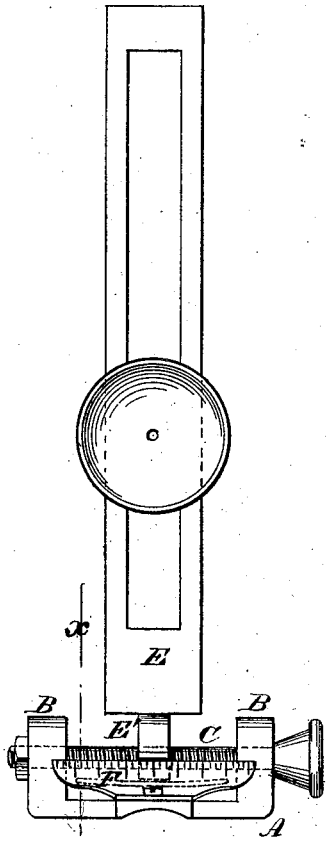


Fig. 2

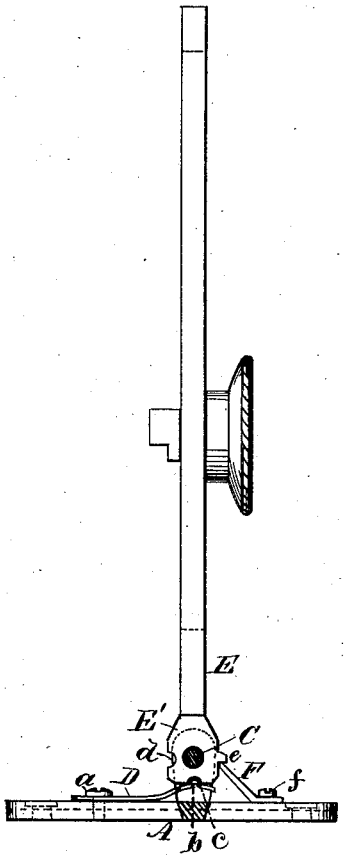
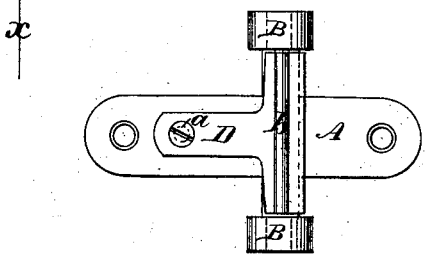


Fig. 3



WITNESSES:

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CHARLES F. ROBBINS, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN REAR SIGHTS FOR FIRE-ARMS.

Specification forming part of Letters Patent No. **190,782**, dated May 15, 1877; application filed April 23, 1877.

To all whom it may concern:

Be it known that I, CHARLES F. ROBBINS, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Rear-Sight Wind-Gage for Rifles, of which the following is a specification:

Figure 1 is a front elevation. Fig. 2 is a side elevation in section on line *x x* in Fig. 1. Fig. 3 is a plan view of the sight-support with the screw and slotted arm removed.

Similar letters of reference indicate corresponding parts.

The object of my invention is to provide a gage for adjusting the rear sights of rifles from a zero-point to the maximum of windage, at either right or left hand.

Referring to the drawing, A is a cross-shaped piece having ears B, in which the micrometer-screw C is journaled. D is a T-shaped spring, that is secured to the longer arm of the cross-shaped piece A by the screw *a*. The head of the T-shaped spring extends from one of the ears B to the other, and is made convex in a transverse direction, and is provided with a central longitudinal rib, *b*. The slotted bar E, in which the rear sight is placed, is provided with a head, E′, which is bored and threaded to fit the screw C. This head is made concave on two sides, *c d*, and is provided with grooves in the concave sides, that fit the rib *b* on the spring D, and hold the slotted bar in either a vertical or horizontal position. The head E is provided with a flange or projection, *e*, that engages the edge of a scale, F, that is attached to the cross-shaped piece A by the screw *f*. The zero of the scale is in the center, and the graduations run from the zero-point toward each end. The screw C and scale F may be made of any desired length, so that the sight may be adjusted in either direction, as required.

The sights of the ordinary military rifles may be readily converted by substituting a micrometer-screw for the pivot that now holds the leaf in place, and cutting away the ears and sides of the base of the leaf, so as to permit the required lateral motion, and attaching a graduated scale to the front of the sight-base.

The advantages gained by my improvement are, that the wind-gage may be adjusted from the butt of the rifle while the shooter is in position for shooting. It obviates the danger and inconvenience of adjusting the wind-gage from the muzzle of the rifle.

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

The cross-shaped piece A, having ears B, the spring D, micrometer-screw C, scale F, and slotted bar E, in combination, substantially as shown and described.

CHARLES F. ROBBINS.

Witnesses:

C. SEDGWICK,

ALEX. F. ROBERTS.