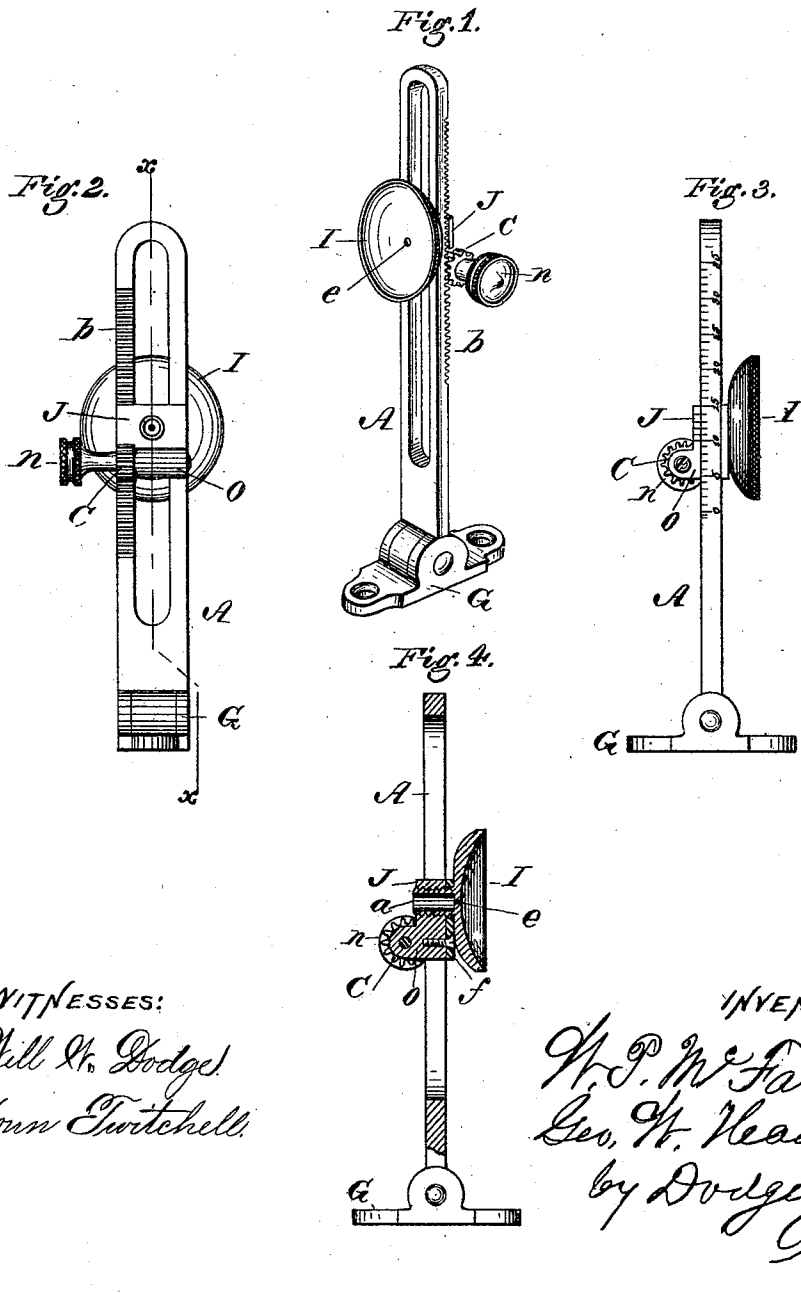


W. P. McFARLAND & G. W. HADLEY.

GUN-SIGHT.

No. 172,465.

Patented Jan. 18, 1876.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM P. MCFARLAND AND GEORGE W. HADLEY, OF CHICOPEE FALLS,
MASSACHUSETTS.

IMPROVEMENT IN GUN-SIGHTS.

Specification forming part of Letters Patent No. **172,465**, dated January 13, 1876; application filed
December 8, 1875.

To all whom it may concern:

Be it known that we, WM. P. MCFARLAND and GEO. W. HADLEY, of Chicopee Falls, in the county of Hampden and State of Massachusetts, have invented certain Improvements in Gun-Sights, of which the following is a specification:

This invention consists of a slotted standard, having an eye-piece adjusted vertically by means of a rack on the standard, and a pinion mounted in the sliding part, and in the combination therewith of an eye-piece, arranged to clamp the sliding parts in place, as hereinafter more fully set forth.

Figure 1 is a perspective view of our improved sight complete; Fig. 2, a side elevation; Fig. 3, a side elevation, and Fig. 4 a longitudinal vertical section of the same on the line *xx* of Fig. 2.

In the drawing, G represents the plate by which the sight is secured to the gun-stock. To this plate is pivoted a slotted standard, A, on one side of which is cut a series of teeth, forming a rack, *b*, as shown in Figs. 1 and 2.

A piece of metal, J, is fitted to slide freely in the slot of standard A, it having lips fitting against the face thereof, and, as shown in Fig. 3, there is secured to this sliding piece J, by a small screw, *f*, a flat piece on the opposite face of the standard A, this slide thus filling the width of the slot, and having lips or projecting flanges, which bear on the opposite faces of the standard. Through the center of this slide is made a hole, which has a screw-thread tapped in it, and into this hole, as shown in Fig. 3, is fitted the stem *a* of the eye-piece or disk I, so that by turning this disk the parts of the slide are drawn together, and made to

clasp the standard with sufficient force to hold it firmly in place on the standard and prevent it from slipping.

From the outer face of the slide J, at one end, there projects a lug or ear, *o*, in which is mounted a stem, on which is secured a pinion, C, which engages in the rack *b* of the standard, as shown in Figs. 1 and 2, this stem having a milled head, *n*, at one end, by which the pinion is turned, and the slide, with its disk I, moved up or down on the standard, as may be desired. The disk or eye-piece I is made concavo-convex, as shown, and is pierced at its center with a minute hole, *e*, as usual in this class of sights.

As shown in Fig. 3, one edge of the standard A has a series of graduation-marks cut thereon, and on the corresponding edge of the slide J there is a vernier-scale, by which the parts can be adjusted with great nicety. This method of construction enables the sight to be adjusted much more quickly than when a screw is used for the purpose, and when adjusted it is prevented from accidental displacement by merely turning the disk or eye-piece.

Having thus described our invention, what we claim is—

A gun-sight consisting of the standard A, provided with the teeth or rack *b*, the clamping slide J, provided with the pinion C, and the perforated disk I, provided with the screw-stem *a*, all constructed and arranged to operate substantially as described.

WILLIAM P. MCFARLAND.
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Witnesses:

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