(No Model.)

J. C. KELTON.

REAR SIGHT FOR FIRE ARMS.

No. 359,680. Patented Mar. 22, 1887.

Fig. 1.

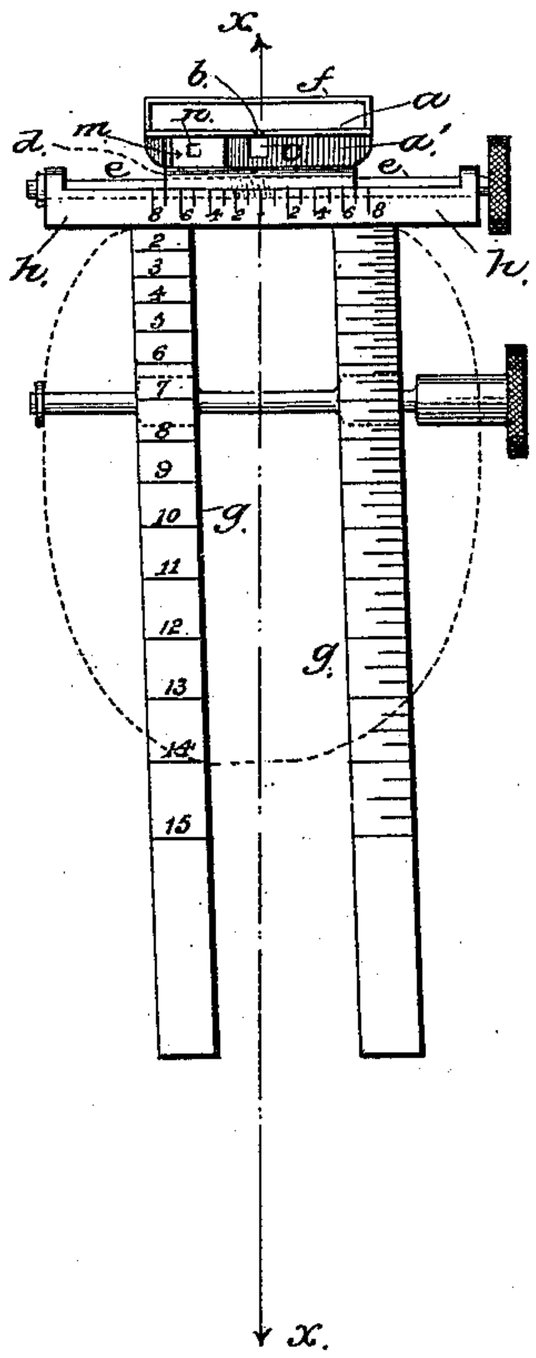
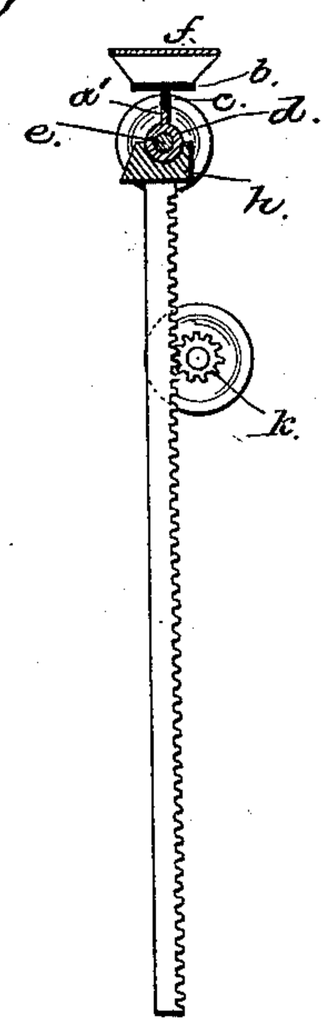


Fig. 2.



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UNITED STATES PATENT OFFICE.

JOHN C. KELTON, OF WASHINGTON, DISTRICT OF COLUMBIA.

REAR SIGHT FOR FIRE-ARMS.

SPECIFICATION forming part of Letters Patent No. 359,680, dated March 22, 1887.

Application filed December 18, 1886. Serial No. 221,930. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. KELTON, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Rear Sights for Rifles, of which the following is a full and clear description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a face view of a sight embodying my improvements. Fig. 2 is a sectional view of the same on the line *x x* of Fig. 1.

My invention relates especially to rear sights for hammerless guns; and it consists in the peculiar construction and combination of devices which I shall hereinafter fully describe and claim.

To enable others skilled in the art to which my invention appertains to make and use the same, I will now describe its construction and indicate the manner in which the same is carried out.

This improved sight consists of two thin plates of steel, *a a'*, supported at right angles. Through the horizontal plate is cut the slot *b*, to sight through, while in the vertical plate *a'*, and just below the horizontal slot *b*, is a small rectangular opening, *c*, to light up the slot, and at the same time secure a full view of the object aimed at. A shutter, *m*, is fitted to slide over the vertical plate, and is moved to close the opening *c*, said shutter having a small opening, *n*, which is used when the larger opening *c* permits too large a field of view.

The plates *a a'* are fastened to a cylinder, *d*, in which is cut a female screw, and are given a lateral motion by means of a rod, *e*, on a small part of which is a thread which works in the cylinder. The sight is also provided with a base, *h*, provided with a front projection which is graduated substantially as shown in Fig. 1.

Over the horizontal plate is a permanent cover, *f*, to screen the slot *b* from rain, dirt, or the glare of the sun. The sight and the graduated base are supported by two legs, *g g*, one graduated with a point-blank elevation for each hundred yards, and so numbered. The other leg is graduated for the point-blank of the intermediate distances of twenty-five yards. On the reverse side of these legs are pinion-slots, in which pinion-wheels *k k* work to elevate or depress the sight.

The sight thus described is placed on the stock of the rifle, just in rear of the barrel, the legs *g g* straddling the tang, and when elevated move at a small angle, (two degrees in case of a rifle having one turn in twenty-two inches,) to allow automatically for the drift of the projectile.

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

1. An improved sight having a horizontal sight-plate with slot formed therein to sight through, and a permanent cover for the same, in combination with a vertical plate having an opening contiguous to and adapted to light up the sight-slot, substantially as herein described.

2. A sight having the legs *g*, adapted to straddle the tang just in rear of the barrel, and having racks upon their rear, in combination with pinions engaging said racks and elevating the sight, substantially as herein described.

3. The combination, with a sight having a horizontal slotted sight-plate and a vertical plate having an opening for lighting up the slot, of a shutter, *m*, having an opening, *n*, smaller than the opening in the vertical plate, and moving across the face thereof, substantially as herein described.

4. An improved sight placed on the stock just in rear of the barrel and straddling the tang, comprising the graduated legs *g g*, having pinion-slots, the pinion-wheels *k*, engaging the slots to elevate or depress the sight, a graduated base, a cylinder, and rod on said base for adjusting the sight laterally, a slotted horizontal sight-plate, and a permanent cover for the same, in combination with a vertical plate having an opening, *c*, for lighting up the slot, and a movable shutter sliding upon the vertical plate for closing the aperture *c*, substantially as herein described.

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