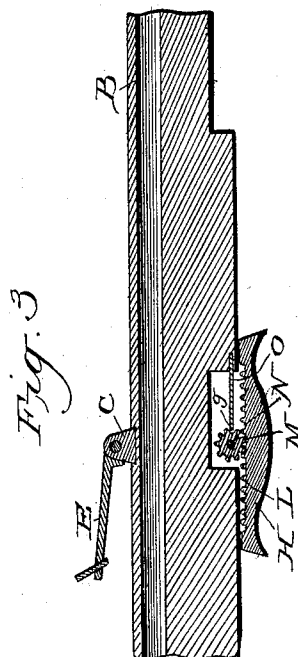
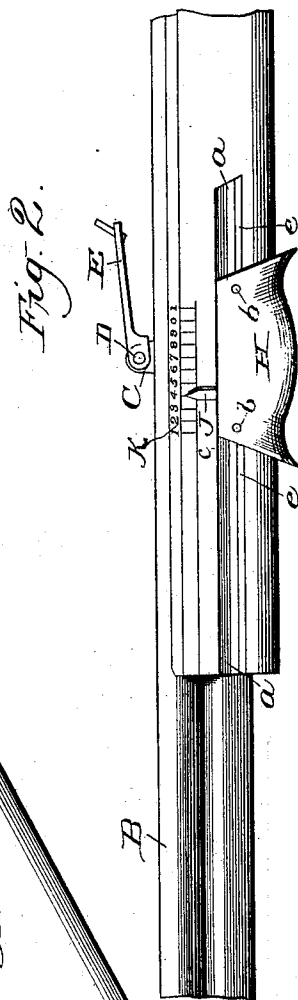
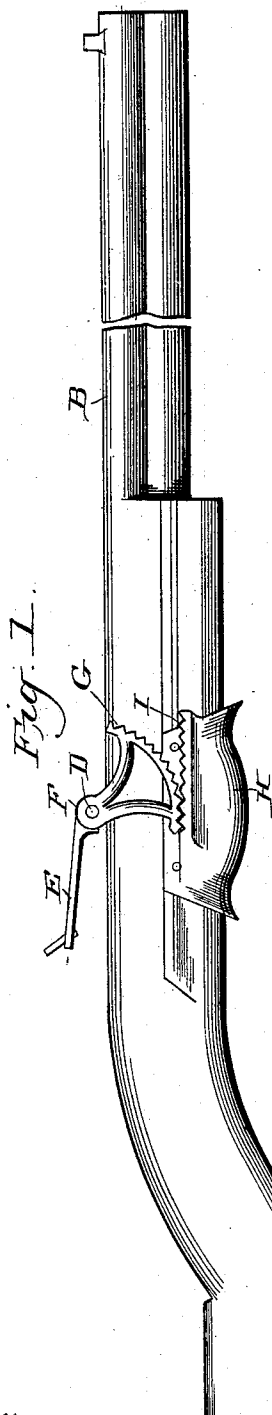


(No Model.)

J. A. KENNEDY.
SIGHT FOR FIREARMS.

No. 535,379.

Patented Mar. 12, 1895.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN A. KENNEDY, OF CHOTEAU, MONTANA.

SIGHT FOR FIREARMS.

SPECIFICATION forming part of Letters Patent No. 535,379, dated March 12, 1895.

Application filed July 23, 1894. Serial No. 518,349. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. KENNEDY, a citizen of the United States, residing at Choteau, in the county of Choteau and State of Montana, have invented certain new and useful Improvements in Sights for Firearms; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to certain new and useful improvements in sights for fire-arms, and it has for its object among others to provide a simple and cheap self-registering sight having provision for audibly indicating and registering the distance by one hundred yards, more or less, according to the setting of the slide.

The invention embodies a hand slide mounted for movement upon the under side of the stock or barrel and carrying an index hand co-operating with a scale on the barrel or stock and the slide provided with a toothed portion with which engages a toothed segment on the shaft of the sight which is mounted for rotary movement in a suitable bearing on the gun barrel or its stock. The slide is provided also with a rack upon its inner face with which engages a gear wheel or pinion mounted for rotation on the under side of the fore stock and adapted to work in conjunction with a flat spring arm so that the movement of the gear one tooth will be indicated by a click as the free end of the said arm rides over a tooth of the same, the parts being so proportioned that each tooth will indicate a distance of one hundred yards more or less as may be deemed best. The sight can thus be changed with rapidity and ease and the change in elevation audibly indicated.

Other objects and advantages of the invention will hereinafter appear and the novel features thereof will be specifically defined by the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a side elevation of a fire-arm equipped with my improved sight. Fig. 2 is a view looking at the opposite side. Fig. 3 is

a vertical longitudinal section through the same showing the audible indicating mechanism.

Like letters of reference indicate like parts throughout the several views.

Referring now to the drawings A designates the stock and B the barrel of a rifle or other fire-arm of known construction except as hereinafter specified.

Upon the upper face of the barrel is the lug or ear C in which is supported the shaft or pin D on which is fast the sight E the shank of which is bifurcated to embrace and receive the said ear or lug, and to one side is a boss F which carries a toothed segment G which is designed to engage the rack on the hand slide now to be described. This hand slide H is shaped as shown and is mounted to slide longitudinally on the forestock of the fire-arm. It is of a form to be readily grasped by the hand and should be fitted to slide freely. It is provided at one side with a rack I with which the toothed segment is designed to engage as shown in Fig. 1. Upon the opposite side of this hand slide at its upper edge is a finger or pointer J which is designed to work in conjunction with a scale K on the side of the barrel or stock to indicate the distance for which the sight is set. The sides of the fore stock are formed with the substantially V-shaped grooves or guides *a* in which fit the correspondingly shaped ribs *c* on the hand slide as shown, and in addition thereto the pins *b* are provided which work in a groove or channel *e* to aid in making the slide move in a path.

The hand slide is provided upon the upper face of its under portion which rides in contact with the under side of the fore stock with a rack L as seen in Fig. 3 which is designed to be engaged by the pinion or gear wheel M mounted loosely on a shaft N held in the walls of a recess in the under side of the fore stock and in which recess the said pinion is located. In this recess is held at one end in any suitable manner a flat spring arm O its free end being adapted to ride upon the teeth of the pinion.

The operation will be readily understood from the foregoing description, especially when taken in connection with the annexed drawings. Movement of the hand slide will cause the toothed segment to be moved in one

direction or the other, according to the direction the slide is moved, and by reason of the engagement of the side rack with the said segment. The distance for which the sight is set will be indicated by the finger and scale, and each tooth that the pinion moves is indicated audibly by the riding of the free end of the spring arm over the teeth thereof.

Modifications in detail may be resorted to without departing from the spirit of the invention or sacrificing any of its advantages.

What is claimed as new is—

1. A fire arm sight embodying a hand slide on the fore stock of said fire arm, a sight pivotally mounted on said fore stock and actuated by said slide, and a visual and an audible indicator actuated by said slide as set forth.

2. A fire-arm sight, consisting of a slide with a rack a pivotally mounted sight, and a toothed segment carried thereby and arranged to engage said rack, as set forth.

3. A fire-arm sight consisting of a slide

with a rack upon one side and a rack upon the upper face of its under portion, a pivotally mounted sight carrying a toothed segment meshing with the side rack, a pinion on the stock meshing with the rack on the under portion of said slide, and a spring arm riding on said pinion, as set forth.

4. The combination of a fire-arm, a hand slide with a side rack and a rack upon the upper face of its under portion, and a finger, a pinion in a recess in the stock, a spring arm having its free end adapted to engage the teeth of the pinion, and a pivotally mounted sight carrying a toothed segment adapted to engage the side rack on the slide, all substantially as specified.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JOHN A. KENNEDY.

Witnesses:

ED. L. BISHOP,
A. McDONALD.