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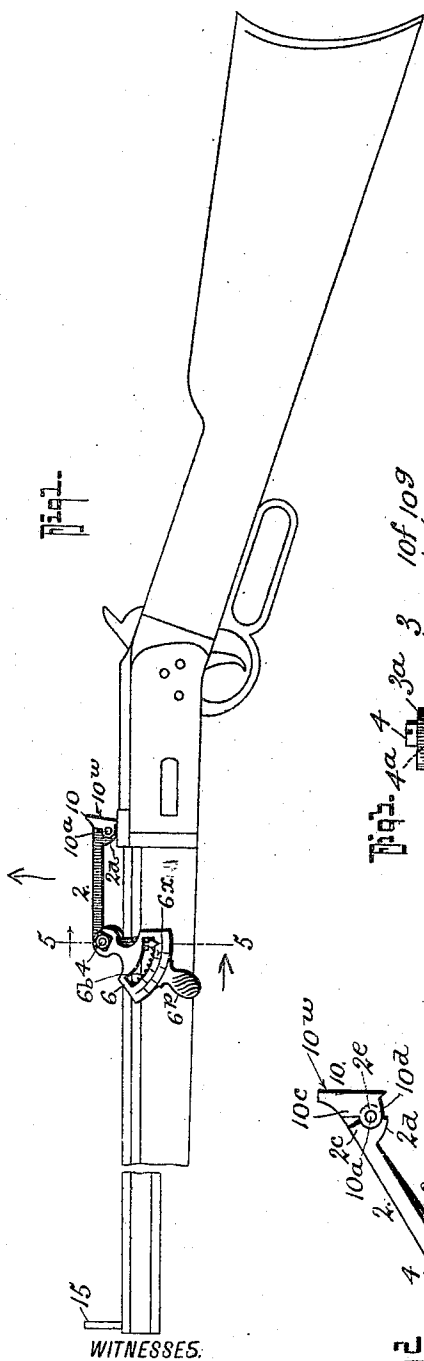
J. A. KENNEDY.

GUN SIGHT.

APPLIOATION FILED JAN. 11, 1909.

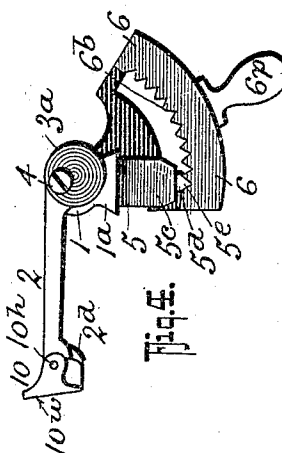
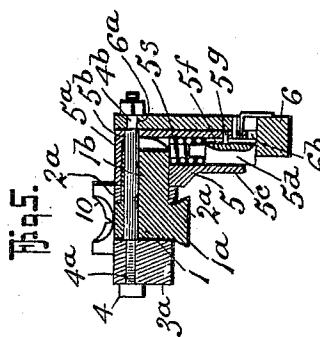
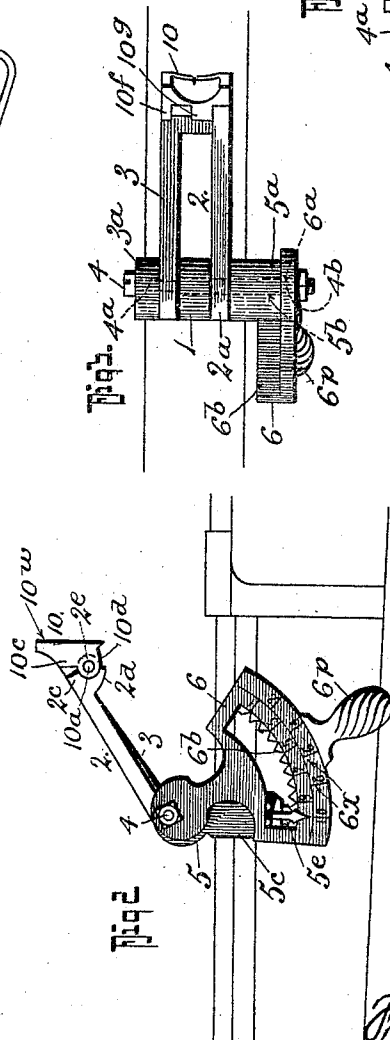
937,244.

Patented Oct. 19, 1909.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN A. KENNEDY, OF BROWNING, MONTANA.

GUN-SIGHT.

937,244.

Specification of Letters Patent.

Patented Oct. 19, 1909.

Application filed January 11, 1909. Serial No. 471,574.

To all whom it may concern:

Be it known that I, JOHN A. KENNEDY, residing at Browning, in the county of Teton and State of Montana, have invented certain new and useful Improvements in Gun-Sights, of which the following is a specification.

My invention relates to a certain new and useful improvement on the gun sight disclosed in my former patents Nos. 535,379, granted March 12, 1895, and 592,749, granted October 26, 1897.

In its generic nature my invention seeks to provide a sight disclosed in my latter patent wherein an arc plate is provided by means of which the sight may be adjusted from the left side of the gun by the finger of the operator, and wherein the arc plate carries a rack segment to cooperate with a pin to hold the segment and its attached sight in the proper elevation, the arc plate being graduated to indicate the proper degrees of elevation.

More specifically my invention also embodies those novel details of construction, combination and arrangement of parts, all of which will be first described in detail and then be specifically pointed out in the appended claims, reference being had to the accompanying drawings, in which:—

Figure 1, is a side elevation of a gun embodying my invention, showing the position of the parts when the sight is at its lowest position. Fig. 2, is a detail view showing the position of the parts with the sight elevated to its greatest elevation. Fig. 3, is a top plan view of the parts shown in Fig. 1. Fig. 4, is a side elevation of my improved sight detached from the gun. Fig. 5, is a cross section on the line 5—5 of Fig. 1.

Referring now to the accompanying drawings, in which like letters and numerals of reference indicate like parts in all of the figures 1 designates a pivot-bearing ear having a dove-tailed piece 1^a, by means of which the sight may be attached to a gun. The pivot-bearing ear 1 has a laterally projecting hub 1^b on which the sight lever 2 is mounted, the sight lever 2 having an apertured bearing portion 2^a through which the hub 1^b projects. Passing eccentrically through the hub 3^a of a regulator lever 3, and eccentrically through the pivot-bearing ear 1 and its hub 1^b is a pivot pin 4 that has a squared portion 4^a to fit a corresponding aperture in the

hub 3^a of the regulator lever 3 so as to turn therewith.

5 designates a rack engaging pin carrying member whose hub 5^a is bored to fit onto the hub 1^b of the pivot-bearing ear 1 and is also apertured eccentrically as at 5^b to permit passage of the pivot pin 4. Thus the pivot-bearing ear 1 and the pin carrying member 5 are connected together as one. The pin carrying member 5 has a downwardly projecting shank 5^c to receive the ratchet pin 5^d that is provided with a beveled end 5^e and a groove 5^f to cooperate with the stop 5^g to prevent turning of the pin 5^d, a coil spring 5^h being provided within the downwardly projecting portion 5^c of the pin carrying member 5 to normally hold the pin in engagement with the rack segment hereinafter referred to.

6 designates an arc plate having a squared aperture 6^a to receive the squared end 4^b of the pivot pin so as to turn with the pivot pin. The arc plate 6 is provided with a rack segment 6^b to cooperate with the rack engaging pin 5^d, hereinbefore referred to, to hold the sight in its adjusted position, as will be hereinafter more fully apparent. The arc plate 6 has an arc slot to exhibit the spring pressed rack engaging pin so that it may act as a pointer to cooperate with the scale 6^c—on the front of the arc plate, as clearly shown in Fig. 1, of the drawings. The arc plate 6 is further provided with a milled thumb piece 6^d by means of which the arc plate may be moved to change the position of the sight.

10 designates the sight piece which is provided with a pair of ears to receive an ear 2^a of the sight lever and through which a pivot pin 10^a passes, the sight lever having a shoulder 2^c to cooperate with a shoulder 10^c of the sight piece 10 to limit the movement of the sight piece on the pivot in one direction and the sight lever 2 is provided with another shoulder 2^d, to cooperate with a second shoulder 10^d of the sight piece to limit its movement in an opposite direction. The sight piece 10 is provided with another pair of ears 10^e and 10^f between which the regulator lever 3, is pivoted on the pin 10^h. It is to be noted that the pivot pin 10^h and the pivot pin 10^b do not lie in the same alinement.

When the parts are in the position, shown in Fig. 1, the sight will be at its lowermost

position to cooperate with the front sight 15 of the gun and by moving the arc plate through the medium of the milled thumb piece, the sight may be raised to any desired elevation and vice versa. By reason of the connection between the pivot-bearing ear 1 and the sight piece 10, as the sight piece is moved from one position to another its rear wall 10^w will lie in a plane at right angles to the line of sight at all times, as will be readily understood by reference to the drawings.

By providing a sight constructed substantially as herein described, with the thumb actuated arc plate on the left side of the gun, a much more easy adjustment of the sight can be made, as the operator supporting the gun with his left hand can actuate the sight with the thumb of his left hand, while having his right hand free for actuating the trigger. Thus the position of the sight can be changed almost instantaneously to suit the particular requirements at the time. The position of the teeth of the rack 6^b corresponds to the markings on the scale 6^x, and the scale is graduated to indicate the various desired elevations of the sight.

From the foregoing description taken in connection with the accompanying drawings, it is thought the complete construction, operation and many advantages of my invention will be readily understood by those skilled in the art to which my invention appertains.

What I claim is:—

1. In a fire arm sight, the combination with a pivoted sight lever and a sight piece pivoted thereto, of a regulator lever connected to the sight piece and adapted for moving the same, an arc plate operatively connected with said regulator lever whereby when the arc plate is moved the regulator lever will be moved to actuate the sight, a relatively fixedly held member, and means carried by said relatively fixedly held member and cooperatively engaging the arc plate for maintaining the sight in its various positions.

2. In a fire arm sight, the combination with a pivoted sight lever and a sight piece pivoted thereto, of a regulator lever connected to the sight piece and adapted for moving the same, an arc plate operatively connected with the regulator lever for actuating the regulator lever, said arc plate having a graduated rack portion, a relatively fixedly held rack engaging pin carrying member and a spring pressed pin carried thereby for engaging the rack to hold it in its adjusted positions.

3. In a fire arm sight, the combination with a pivoted sight lever and a sight piece pivoted thereto, of a regulator lever connected to the sight piece and adapted for moving the same, an arc plate operatively

connected with the regulator lever for actuating the regulator lever, said arc plate having a graduated rack portion, a relatively fixedly held rack engaging pin carrying member and a spring pressed pin carried thereby for engaging the rack to hold it in its adjusted positions, said arc plate having an arc slot to expose the rack engaging pin and having corresponding graduations for the rack teeth.

4. In a fire arm sight, the combination with a pivoted sight lever and a sight piece pivoted thereto, of a regulator lever connected to the sight piece and adapted for moving the same, an arc plate operatively connected with the regulator lever for actuating the regulator lever, said arc plate having a graduated rack portion, a relatively fixedly held rack engaging pin carrying member and a spring pressed pin carried thereby for engaging the rack to hold it in its adjusted positions, said arc plate having an arc slot to expose the rack engaging pin and having corresponding graduations for the rack teeth, and a thumb piece attached to said arc plate by means of which the same may be actuated.

5. In a fire arm sight, the combination with a pivoted sight lever and a sight piece pivoted thereto, of a regulator lever connected to the sight piece and adapted for moving the same, an immovable pivot-bearing ear having a hub to which said sight lever is pivoted, a pivoted pin passing through said pivot-bearing ear, its hub and through said regulator lever eccentrically, said pivoted pin connected to said regulator lever to cause the regulator lever to move with the pin, an arc plate connected with said pivot pin by means of which the pivot pin may be turned to actuate the regulator lever, and means cooperating with the arc plate for maintaining the sight in its adjusted position.

6. In a fire arm sight, the combination with a pivoted sight lever, and a sight piece pivoted thereto, of a regulator lever connected to the sight piece and adapted for moving the same, an immovable pivot-bearing ear having a hub to which said sight lever is pivoted, a pivoted pin passing through said pivot-bearing ear, its hub and through said regulator lever eccentrically, said pivot pin connected to said regulator lever to cause the regulator lever to move with the pin, an arc plate connected with said pivot pin by means of which the pivot pin may be turned to actuate the regulator lever, a rack engaging pin holder immovably connected with said pivot-bearing ear, a spring pressed rack-engaging pin carried by said holder, said arc plate having a graduated portion to be engaged by said pin to hold the sight in its adjusted positions.

7. In a fire arm sight, the combination

having a hub to which said sight lever is pivoted, a pivot pin passing through said pivot-bearing ear, its hub and through said regulator lever eccentrically, said pivot pin connected to said regulator lever to cause the regulator lever to move with the pin, an arc plate connected with said pivot pin by means of which the pivot pin may be turned to actuate the regulator lever, a rack engaging pin holder immovably connected with said pivot-bearing ear, a spring pressed rack engaging pin carried by said holder, said arc plate having a graduated rack portion to be engaged by said pin to hold the sight in its adjusted positions, means joined with said arc plate by means of which the arc plate may be moved to its various positions, said arc plate having an arc slot to exhibit said rack engaging pin whereby it may act as a pointer, the said arc plate having a scale co-operating with the rack teeth and said rack engaging pin.

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Witnesses:

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