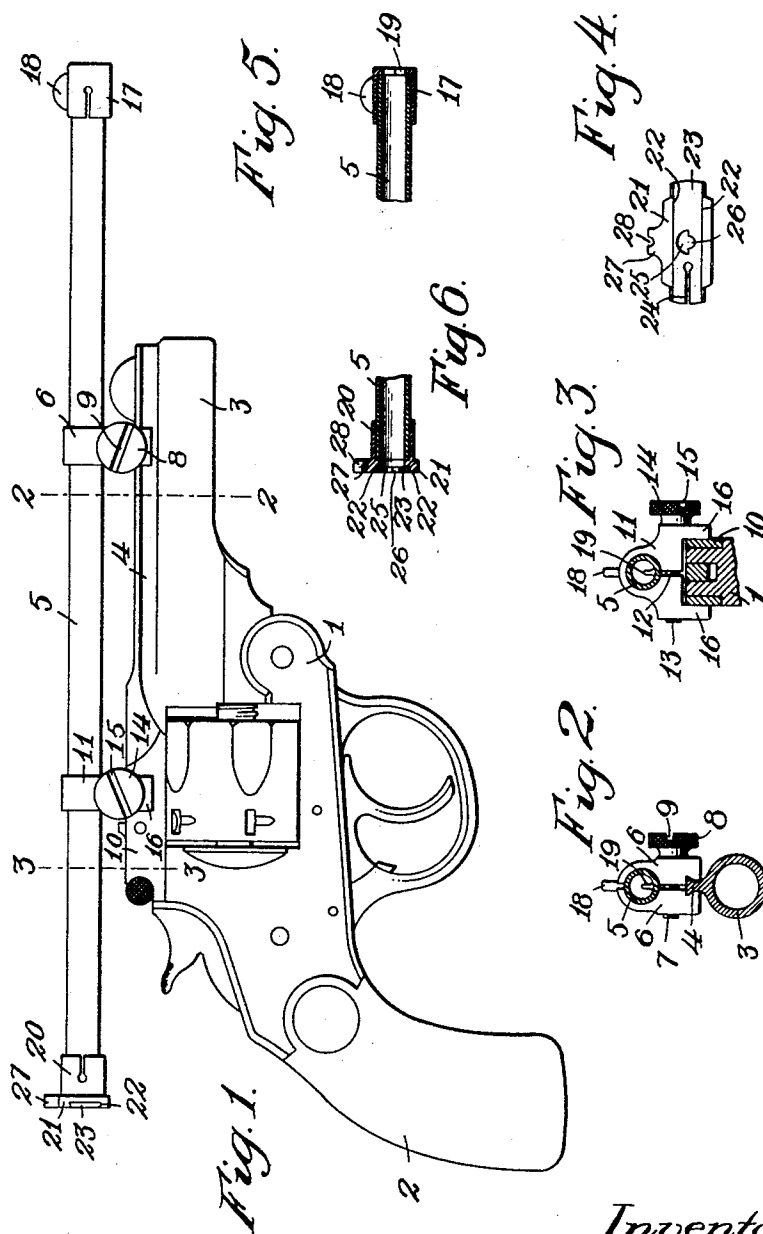


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FIREARM.

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1,009,282.

Patented Nov. 21, 1911.



Witnesses.

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FIREARM.

1,009,282.

Specification of Letters Patent.

Patented Nov. 21, 1911.

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To all whom it may concern:

Be it known that I, LYMAN H. COBB, a citizen of the United States, residing at Fitchburg, in the county of Worcester and Commonwealth of Massachusetts, have invented a new and useful Improvement in Firearms, of which the following is a specification, accompanied by drawings forming a part of the same, in which—

Figure 1 represents a side view of a pistol embodying my present invention. Fig. 2 is a vertical sectional view on the plane of the broken line 2—2, Fig. 1. Fig. 3 is a sectional view on the plane of the broken line 3—3, Fig. 1. Fig. 4 is a detached rear view of the adjustable hindsight of the range finder. Fig. 5 is a longitudinal sectional view of the forward end of the range finder. Fig. 6 is a longitudinal sectional view of the rear end of the range finder.

Similar characters refer to similar parts in the different figures.

The object of my present invention is to provide a firearm with an improved range finder, and it consists in the construction and arrangement of parts as hereinafter described and pointed out in the annexed claims.

In the accompanying drawings I have illustrated my invention as applied to a pistol, in which Fig. 1 represents a side view of a pistol comprising a frame 1, handle 2 and a barrel 3, said barrel being provided on its upper side with a rib 4. Mounted above and parallel with the barrel 3 is a tube 5. Supported near the forward end of the barrel are two clamping blocks 6, 6, which are recessed at their upper ends to inclose the tube 5 and at their lower ends to inclose the rib 4. The clamping blocks 6, 6, are drawn together to clamp the tube 5 and rib 4 by means of a clamping screw 7, provided with a milled head 8 and also with a transverse slot 9, which enables the screw to be tightened by a screw driver.

The rear portion of the tube 5 is supported above the barrel strap 10 by a single clamping block 11 which incloses the tube 5, and is cut apart at 12 to enable it to be drawn together by a clamping screw 13, which is provided with a milled head 14 and a diametrical screw driver slot 15. The block 11 is provided on opposite sides with downwardly extending ears 16, 16, which in-

close the sides of the barrel strap 10 upon which the block 11 is capable of vertical adjustment. The forward end of the tube 5 is provided with a short outer sleeve 17, on the upper side of which is mounted an exterior foresight 18, and projecting inwardly from the lower side of the sleeve 17 is an interior foresight 19 extending to the center of the tube 5. The rear end of the tube 5 is provided with a short sleeve 20, provided at its rear end with a transverse plate 21 having transverse ways 22 for an adjustable slide 23. The slide 23 is preferably split at one end at 24 to render it capable of applying a yielding pressure against the ways 22, in order to prevent accidental displacement of the plate.

The central portion of the plate is provided on its upper half with a semi-circular opening 25, and on its lower half with a smaller semi-circular opening 26 communicating with the opening 25. The lateral adjustment of the slide 23 enables the semi-circular opening 26 to be adjusted in proper position to be bisected by the interior foresight 19 and to bring its center to coincide with the axis of the tube 5, said opening 26 forming the interior hindsight of the range finder. The plate 21 is extended upwardly at 27, and is provided with a central notch 28 forming an exterior hindsight in alignment with the exterior foresight 18.

The short outer sleeve 17 is frictionally held on the forward end of the tube 5 which allows the sleeve to be rotatively adjustable about the tube 5 to bring the exterior and interior foresights into a plane which diametrically bisects the barrel 3. The sleeve 20 is likewise frictionally held on the rear end of the tube 5 to allow the hindsight to be rotatively adjusted about the tube 5. The rear end of the tube 5 is vertically adjustable by raising or lowering the clamping block 11, thereby enabling the axis of the tube 5 to be brought parallel with the axis of the barrel 3. The adjustments of the tube 5, and of the foresights and hindsight, as above described, permit any desired correction in aim due to the personal idiosyncrasies of the operator. For example, in case shots fired at a particular mark pass uniformly a slight distance to the right or left of the mark, the direction may be changed by a slight lateral

movement of the slide 23, or an error in elevation may be corrected by the vertical adjustment of the rear end of the tube 5.

The tube 5 is considerably longer than the barrel 3, enabling the foresight and hind-sight to be separated a greater distance than would be possible were the sights mounted on the barrel in the usual manner, thereby securing much greater accuracy of aim.

10 I claim,—

1. The combination with the barrel of a firearm, of a range finder, comprising a hollow tube mounted above said barrel, having at the rear end of said tube an exterior
15 hindsight on the outside of said tube and an interior hindsight on the inside of said tube, and at the forward end of said tube an exterior foresight on the outside of said tube and an interior foresight on the inside of
20 said tube.

2. The combination with the barrel of a firearm, of a range finder, comprising a tube mounted above said barrel, having exterior
25 sights at the front and rear of said tube, said sights arranged to be rotatively adjustable around said tube.

3. A range finder for firearms, comprising a tube mounted above the barrel, a sleeve rotatively adjustable about said tube and provided upon its outer surface with 30 an exterior sight, and upon its inner surface with an interior sight.

4. The combination with the barrel of a firearm, of a range finder, comprising a hollow tube mounted above said barrel, having 35 exterior and interior sights at the front and rear ends of said tube, with the rear end of said tube arranged to be axially adjustable relatively to the axis of said barrel.

5. A range finder for firearms, comprising 40 a tube provided with an interior sight at one end and a slide at the opposite end having an aperture and laterally adjustable transversely to the axis of the tube to bring said aperture into alinement with said in- 45 terior sight.

Dated this 29th day of May 1909.

LYMAN H. COBB.

Witnesses:

PENELOPE COMBERBACH,
NELLIE WHALEN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."