

C. A. WINGREN.

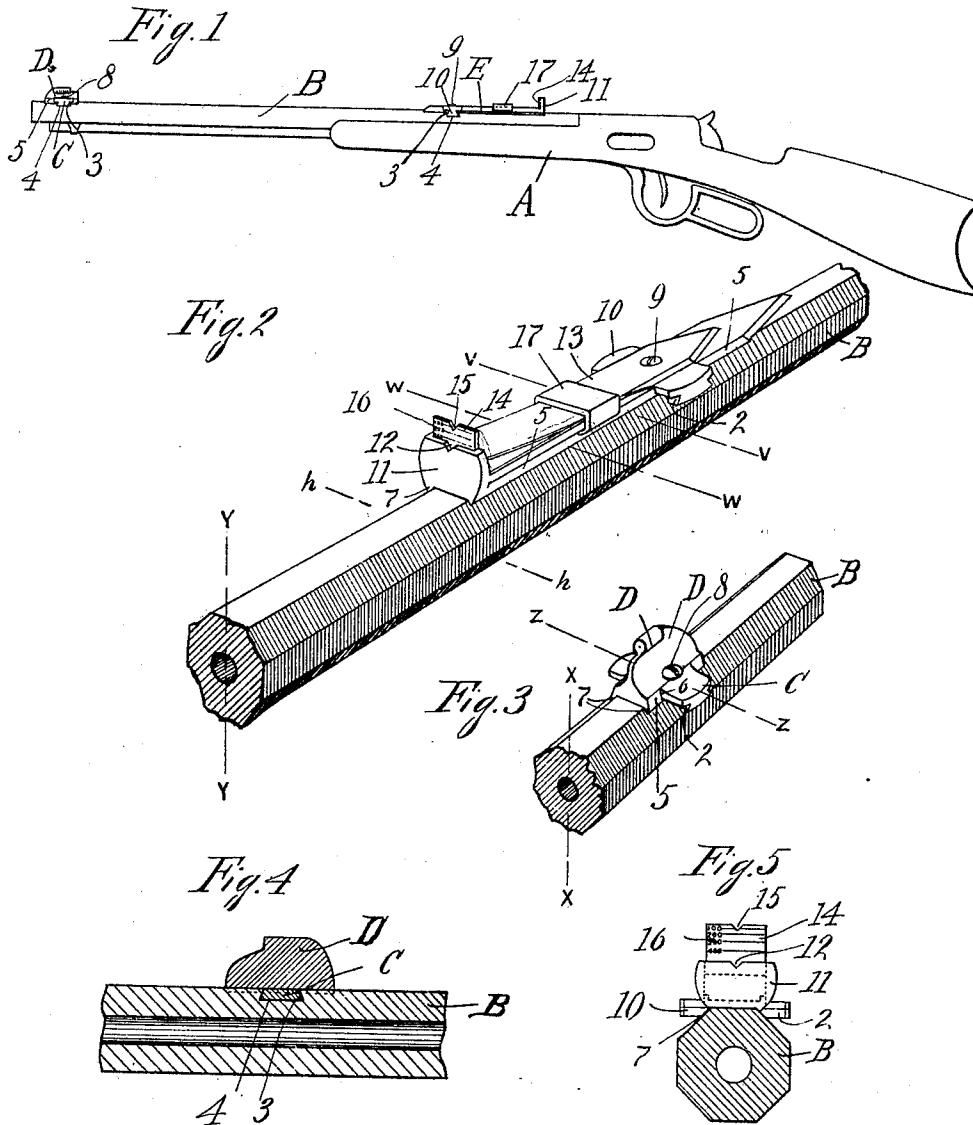
GUN SIGHT.

APPLICATION FILED JAN. 5, 1910.

965,677.

Patented July 26, 1910.

2 SHEETS—SHEET 1.



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UNITED STATES PATENT OFFICE.

CARL A. WINGREN, OF BEMIDJI, MINNESOTA.

GUN-SIGHT.

965,677.

Specification of Letters Patent.

Patented July 26, 1910.

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To all whom it may concern:

Be it known that I, CARL A. WINGREN, a citizen of the United States, residing at Bemidji, in the county of Beltrami and State of Minnesota, have invented certain new and useful Improvements in Gun-Sights, of which the following is a specification.

My invention relates to improvements in gun sights designed particularly for rifles, and consists of improved means for securing the sight to the barrel in connection with improved means permitting of more accurate and easier adjustment than with the ordinary sight.

To this end my invention consists in the features of construction and combination hereinafter described and claimed.

In the accompanying drawings forming part of this specification, Figure 1 is a side elevation of a rifle fitted with my improved sight; Fig. 2 is a perspective view of a portion of the gun barrel showing the rear sight; Fig. 3 is a similar view of a portion of the gun barrel showing the front sight; Fig. 4 is a section on line $x-x$ of Fig. 3; Fig. 5 is a section on line $h-h$ of Fig. 2; Fig. 6 is a section on line $y-y$ of Fig. 2; Fig. 7 is a section on line $w-w$ of Fig. 2; Fig. 8 is a section on line $v-v$ of Fig. 2; Fig. 9 is a section on line $z-z$ of Fig. 3; Fig. 10 is a perspective view of a support forming part of the invention adapted to be arranged in connection with a polygonal barrel; Fig. 11 is a similar view of a support shown arranged in connection with a round barrel; Fig. 12 is a perspective view of a portion of the rear sight; and Fig. 13 is a side elevation of a portion of the gun barrel and rear sight.

Referring to the drawings A represents a gun and B the barrel thereof.

In constructing the front sight according to my invention, I provide the base plate C having angular shaped side walls 2, fitted under similarly shaped side walls 3 of a groove 4, cut transversely through the top of the barrel.

The sight block D is made of any desired design and has similarly shaped side walls 5, fitted to a groove 6 extending transversely through the supporting plate C.

Where the sight is used in connection with a polygonal shaped barrel, it is formed with downwardly extended flanges 7 to fit over the upper side faces of the barrel, and where used in connection with a round barrel is curved to conform to the barrel. The sight

is locked within the support block by a screw 8 extending through the block and into the supporting base, and as will be evident, this will also lock the supporting base in its groove, since the engagement of the sight with the top of the barrel prevents sliding of the sight and base transversely of the barrel.

The rear sight consists of a plate E secured by means of a screw 9 to the base 10, corresponding with the base C, and similarly fitted in a transverse groove through the top of the barrel. The plate E has an upwardly flanged rear end 11 formed with the sight notch 12. A spring strip 13 rests upon the plate and is supported at its front end by the screw 9 and has an upwardly flanged rear end 14 fitted against the forward face of the flange 11. The spring 13 has a sight 15 corresponding to the sight notch 12 and is formed in its rear face with a distance scale 16. The spring strip is so constructed as to normally spring upward at its free end and to be adjusted by means of a sleeve 17 slidably inclosing said spring and having slidable engagement 18 with the sides of the plate.

In operation, the spring strip being adjusted by means of the sleeve to bring the desired distance mark at the top of the flange 11 adjusts the rear sight to the proper position for the use of the sight notch 15 in connection with the sight C.

My improved means for supporting the sight upon the barrel which it will be noted is the same in both the front and rear sights, firmly locks the sights against movement either longitudinally or transversely of the barrel through the simple expedient of the screw connection between the sight block and the supporting portion of the sights.

I claim as my invention:

1. The combination with a gun barrel, sight means therefor, a base removably supported upon the gun barrel, a sight member secured at one end to said base and having its other end free and normally projecting away from the barrel, and an adjusting sleeve slidably engaging said sight member and being slidably supported below the same for the purpose set forth.

2. In combination with a gun sight, sight means therefor comprising a base fitted in a transverse groove through the top of said barrel and locked against vertical displacement, a plate secured to said base and fitted

- to the top of said barrel against lateral movement, said plate having one end upturned, a strip secured to one end of said base and having its other end upwardly turned along-
5 side the upturned end of said plate, the upturned end of said strip being formed with a scale and means for adjusting the upturned end of said strip toward and from said barrel.
- 10 3. In combination with a gun barrel, sight means therefor comprising a base fitted in a transverse groove in the top of said barrel, a plate secured at one end to said base and having its other end upwardly turned, said
plate being fitted to said barrel to prevent 15
lateral movement, a strip secured at one end to said plate and having its other end upturned adjacent to the upturned end of said plate, and means for adjusting the upturned
end of said strip toward and from said 20
barrel.
- In testimony whereof I affix my signature in presence of two witnesses.
- CARL A. WINGREN.
- Witnesses:
H. SMITH,
ARTHUR P. LOTHROP.