33-256. OR 1,279,908 SR

E. G. REISING.

SIGHT FOR GUNS.

APPLICATION FILED OCT. 13, 1915.

1,279,908. Patented Sept. 24, 1918.

Fig. 1.

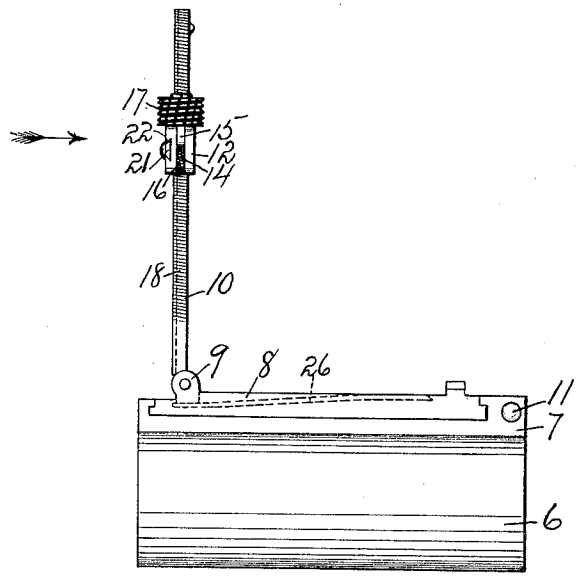


Fig. 2.

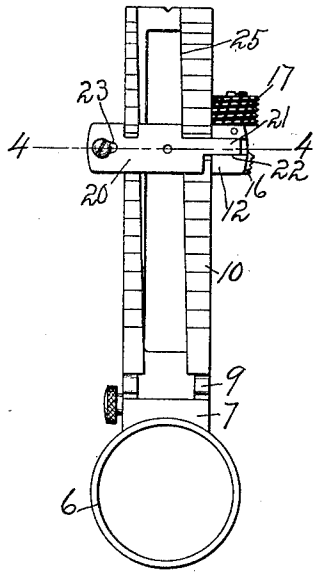


Fig. 4.

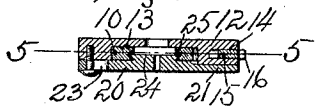


Fig. 3.

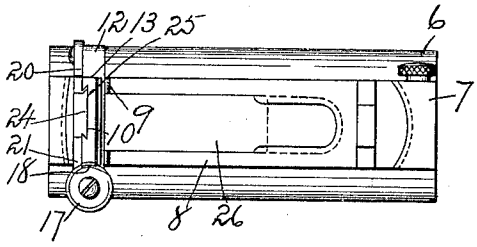
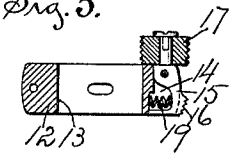


Fig. 5.



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UNITED STATES PATENT OFFICE.

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SIGHT FOR GUNS.

1,279,908. Specification of Letters Patent. Patented Sept. 24, 1918.

Application filed October 13, 1915. Serial No. 55,602.

To all whom it may concern:

Be it known that I, EUGENE G. REISING, a citizen of the United States, residing at Hartford, in the county of Hartford and State of Connecticut, have invented a new and Improved Sight for Guns, of which the following is a specification.

My invention relates to the class of devices above named, and an object of my invention, among others, is to provide a device of this class that may be readily and quickly adjusted to a precise degree, thereby producing a sight by the use of which accurate results may be obtained.

One form of device embodying my invention and in the construction and use of which the objects herein set out, as well as others, may be attained, is illustrated in the accompanying drawings, in which—

Figure 1 is a view in side elevation of a gun sight embodying my invention.

Fig. 2 is a face view of the sight as seen from a point at the left of Fig. 1.

Fig. 3 is a top plan view of the same.

Figs. 4 and 5 are detail views illustrating the construction; Fig. 4 being a section on line 4—4 of Fig. 2, and Fig. 5 being a section on line 5—5 of Fig. 4.

While my invention is not restricted to a sight for any special type of gun, yet, as it is especially applicable for use on a manually supported gun, I have illustrated the sight, in the drawings herein, in connection with such a gun.

In the accompanying drawings the numeral 6 denotes a sleeve that is adapted to surround and be secured to the breech-end of a gun barrel, and a saddle or sight base 7 is secured to the sleeve in any suitable manner. A leaf base 8 is pivotally mounted in the saddle, having ears 9 between which the lower end of the leaf 10 is located and pivotally secured thereto. An adjusting screw 11 mounted in the saddle is employed for adjusting the leaf base upon its pivot to provide for conditions caused by lateral movement of a bullet occasioned by the wind. All of the parts above described are of old and well known construction, and except in combination with other members comprise no part of my invention, and further and detailed description is therefore omitted herein.

A sight bar 12 is slidably mounted upon the leaf 10, in the preferred form of construction, this bar having a groove 13 within which the leaf 10 is received. A thumb lever groove 14 is formed in one edge of the sight bar to receive a thumb lever 15 that is pivotally mounted in said groove with a thumb piece 16 projecting beyond the edge of the bar. A sight bar adjusting screw 17 is rotatably mounted upon a pivot projecting from the end of the thumb lever and above the sight bar 12. The edge of this screw is threaded to engage the screw threaded edge 18 of the leaf 10. The threaded edge of the screw 17 serves also as a milling to aid in turning the screw, and this effect may be increased by cutting grooves across the thread, as clearly shown in Fig. 2 of the drawings. A spring 19 placed underneath the thumb lever forces the adjusting screw 17 normally into contact with the threaded edge 18 of the leaf 10.

A drift bar 20 is secured to the side parts of the leaf 10 and across the front face of said leaf. This drift bar is mounted for sliding movement laterally of the leaf, a narrowed end 21 of the bar fitting a groove 22 in the sight bar 12. This narrowed part and groove are dove-tail in shape, and a headed screw secured in the sight bar 12 passes through a slot 23 in the opposite end of the drift bar that is thus slidably held in place. A rib 24 on the back face of the drift bar fits within a dove-tail groove 25 extending lengthwise along the face of the leaf 10. This groove is diagonally arranged and causes a lateral movement of the drift bar when the sight bar is raised or lowered, this drifting movement of the sight bar compensating for the natural tendency of a bullet to drift to one side in its course from the gun. The usual spring 26 may be employed to hold the leaf 10 in its raised or lowered position.

In operation the thumb being pressed against the thumb piece 16 the sight bar adjusting screw 17 is released from engagement with the screw threaded edge 18 of the leaf 10, and the sight bar may be readily slid along the leaf approximately to the position desired, when pressure of the thumb upon the thumb piece being released the adjusting screw will again engage the screw threaded edge of the leaf. The screw now being turned, the final adjustment to accurately position the sight bar may be obtained.

While I have shown and described herein a satisfactory form of gun sight embodying my invention, this may be departed from to

a greater or lesser degree and yet be within the spirit and intent of my invention.

I claim—

1. A base, a leaf supported on said base and having a screw thread, a sight bar slidably mounted on said leaf, a thumb lever pivotally mounted on the sight bar, and an adjusting screw rotatably mounted on said lever to engage the thread on the leaf.

2. A base, a leaf supported on said base and having a screw thread, a sight bar slidably mounted on said leaf and having a groove in its end, a thumb lever pivotally mounted in said groove and having a pivot projecting beyond the edge of the sight bar, and an adjusting screw rotatably mounted on said pivot to engage the threaded part of said leaf.

3. A base, a leaf supported on said base and having a diagonally arranged groove, a sight bar supported on the leaf and having a groove to receive said leaf, a drift bar movably secured to the side parts of said sight bar upon opposite sides of the groove in said leaf to slidably secure the sight bar to the leaf, and a tongue projecting from the drift bar into said diagonally arranged groove.

4. A base, a leaf supported on the base and having a diagonally arranged groove, a sight bar slidably mounted on the leaf and having side parts forming a groove between them to receive said leaf, one of the side parts having a dove-tail shaped groove, a drift bar secured to said side parts to retain the sight bar upon the leaf, one end of the drift bar being of dove-tail shape to fit said dove-tail groove, means for slidably securing the other end of the drift bar to the sight bar, and a rib from the back face of the drift bar extending into said diagonally arranged groove.

5. A base, a leaf supported on the base, a sight bar having a groove to receive said leaf, said groove forming side parts, a drift bar slidably secured to the side parts of the sight bar to retain it in place on the leaf, and means on said drift bar to cause movement of the drift bar by reason of sliding movement of the sight bar on said leaf.

6. A base, a leaf supported on the base and having a diagonally arranged groove, a sight bar having a groove to receive said leaf, and forming side parts on said sight bar, one of which side parts is of a thickness equal to the thickness of the leaf, a drift bar slidably secured to the sight bar against the face of said side part and in sliding engagement with said leaf, whereby the sight bar is retained in place on the leaf, and a projection from the drift bar extending into said groove.

7. A base, a leaf supported on the base and having a diagonally arranged groove, a sight bar slidably mounted on the leaf and having a groove forming side parts, one of which is thicker than said leaf and has a slideway, a drift bar having a projection slidably extending into said slideway, means for slidably securing the opposite end of the drift bar to a side part of the sight bar, said drift bar retaining the sight bar in place on the leaf, and a projection from the drift bar extending into said diagonally arranged groove.

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