

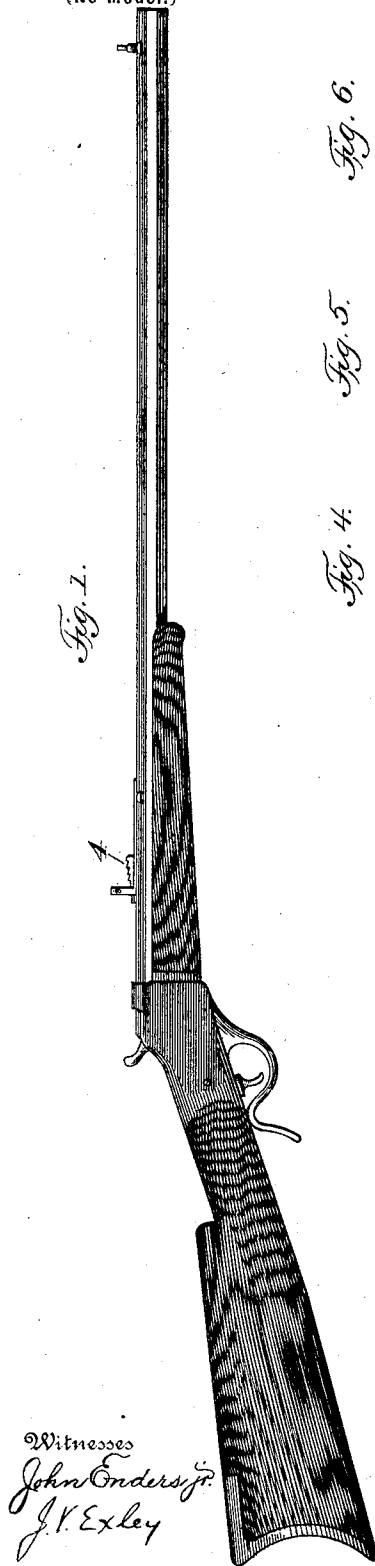
No. 607,344.

Patented July 12, 1898.

J. A. COOPER.
GUN SIGHT.

(Application filed May 6, 1897.)

(No Model.)



Witnesses
John Anders, Jr.
J. V. Exley

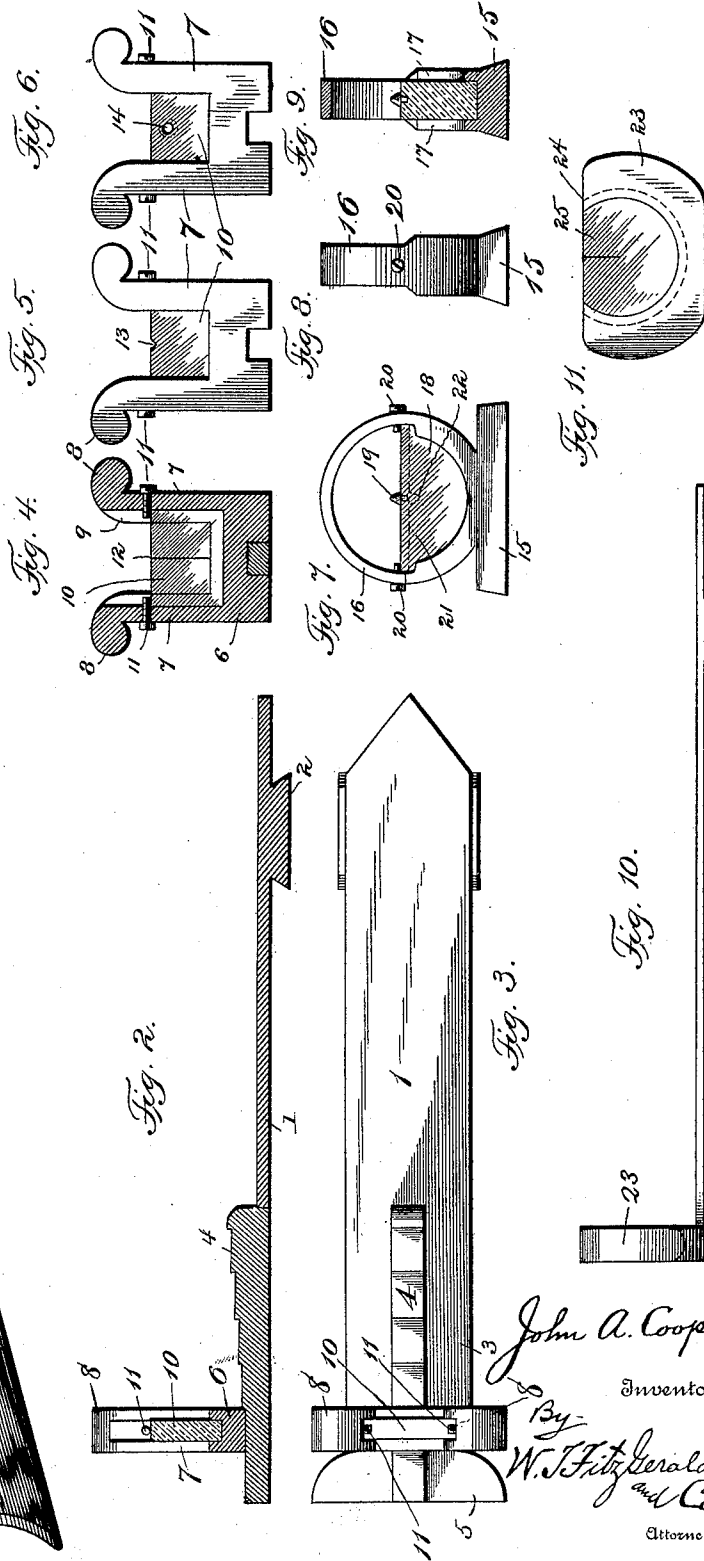


Fig. 6.

Fig. 5.

Fig. 4.

Fig. 9.

Fig. 8.

Fig. 7.

Fig. 11.

Fig. 10.

Fig. 3.

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UNITED STATES PATENT OFFICE.

JOHN A. COOPER, OF ADAIR, IOWA, ASSIGNOR OF ONE-HALF TO A. C. SAVAGE, OF SAME PLACE.

GUN-SIGHT.

SPECIFICATION forming part of Letters Patent No. 607,344, dated July 12, 1898.

Application filed May 6, 1897. Serial No. 635,325. (No model.)

To all whom it may concern:

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

The invention hereinafter fully described and claimed and illustrated in the accompanying drawings relates to gun-sights, the object
15 being, among others, to provide a sight for any variety of shooting appliance which will at all times reliably perform its office, enabling the user to accurately draw a bead upon an
20 object without embarrassment arising from the use of many sights as now constructed.

By the use of my invention, employing, as it does, a transparent or translucent substance,
25 all this annoyance arising from the use of metal sights is avoided, making it possible to effect an absolutely perfect alinement of the cooperating features of my improved gun-sight.

It will be seen from the following specification that the construction employed is of a simple and inexpensive character, enabling
30 the sight to be readily applied or removed from its operative position upon the gun, and while I have described the preferred accessories of the various parts it will be seen that their equivalent is comprehended by me.

35 In the accompanying drawings, Figure 1 is a side elevation of a gun, showing my invention as applied to use. Fig. 2 is a longitudinal central section of the rear sight. Fig. 3 is a top plan view thereof. Fig. 4 is a front
40 elevation thereof, showing a simple vertical line as the registering-point. Fig. 5 is a front elevation showing a simple notch as the registering-point, while Fig. 6 is a similar view having an aperture as the registering-point.
45 Fig. 7 is a front view of the front sight, wherein a piece of transparent substance is provided upon its upper edge with an insert with which the registering-point on the rear sight
50 cooperates. Fig. 8 is a side view of Fig. 7, while Fig. 9 is a vertical central section of Fig. 7. Fig. 10 is a side view showing a va-

ried construction for the means employed for holding the rear sight, while Fig. 11 is a front view thereof.

In carrying out my invention I provide a
55 suitable means for anchoring the rear sight in position, consisting preferably of the bar 1, having the wedge or anchoring section 2 and the slotted rear end 3, designed to receive the graduated regulating-bar 4, having the lateral
60 ears 5 for easy manual control.

The vertically-disposed sight-holding frame 6 is attached to or integrally formed with the slotted end 3 and is provided with the upwardly-extending guides 7 and the laterally-
65 extending ears 8. The inner edges of the guides 7 are provided with vertically-disposed grooves 9, designed to receive the edges of the sight proper, 10, formed, preferably, of
70 glass, celluloid, or any transparent or translucent substance.

The sight proper, 10, is held in the seat and is adjustable therein by means of the set-screws 11 or by other preferred means, and
75 may be provided in its central part with the vertically-disposed line 12, the notch 13 in its upper edge, or the aperture 14, as shown in Figs. 4, 5, and 6. It will of course be understood that any equivalent of the registering-points 12, 13, and 14, as a simple cross-
80 mark or otherwise, may be employed, the object being to locate the point of registration away from the metallic parts in order that the eye may be unaffected thereby.

The front sight, which is designed to coop-
85 erate with the rear sight, is preferably constructed as shown in Figs. 7, 8, and 9, though any suitable means may be substituted therefor.

In Fig. 7 I have shown the device as being
90 anchored or held in position by the downwardly-tapered base 15, designed to be received by a dovetail transversely-disposed seat provided in the gun-barrel, this being substantially the usual means employed for
95 anchoring a sight. Upon the base thus provided I erect the annular holder 16, the lower half or less being provided with the side walls or flanges 17, designed to provide a seat for the rounded edge of the semidisk 18, made of
100 glass or some translucent substance and provided on its upper edge with the registering-

point 19, formed of any suitable substance and preferably red in color. I prefer to give sufficient width to the annular holder 16 to provide a suitable housing or shadow for the
 5 registering-point 19. The object in using a red registering-point at this place is to make it more readily discernible, as that color would more clearly distinguish it from the usual color of surrounding objects.

10 The body of the sight 18 is held in position by the set-screws 20, and it may be removed from the seat thus provided by slightly withdrawing said screws and reversing its position, when it may be easily removed, as the
 15 flanges 17 will no longer engage with the edge thereof.

In Fig. 7 I have indicated by dotted lines 21 the position occupied by the top edge of the sight when in an inverted position, the
 20 position of the registering-point 19 being indicated by dotted lines 22 when in such position.

In Figs. 10 and 11 I have shown a varied construction for holding the rear sight in position, the holder 23 being provided upon its
 25 inner edge with an annular groove 24, designed to receive the edge of the sight 25 and reliably hold it in an adjusted position. This construction is perhaps not so convenient for
 30 removing or replacing the sight as that illustrated in the other figures of the drawings, though it will be found to be of a reliable and permanent character.

While I have signified a preference that

the registering-point 19 may be made to have 35 a red color, yet I do not wish to be confined strictly to this selection, as a registering-point of other colors may be found desirable.

If deemed a better construction, one or both of the surfaces of the substance forming both 40 sights may be slightly roughened or ground, which, if glass is employed, will produce the desired degree of translucency found desirable in some cases.

Believing that the construction and advan- 45 tages of my invention in gun-sights are made fully apparent, I will dispense with further reference to the details thereof.

Having thus fully described my invention, what I claim as new, and desire to secure by 50 Letters Patent, is—

1. A rear sight of glass having a central vertical line thereon, a front transparent sight having a registering pointed projection of a different color on its upper side, all arranged 55 as set forth.

2. An integral circular rim having a widened lower half with a groove therein holding a semicircular sight, and means to retain said sight in place, whereby on removing said 60 means, the sight by a half-turn can be removed, all arranged as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN A. COOPER.

Witnesses:

J. A. STEPHENS,
 S. H. WARK.