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Draftsman

C. F. WOLLENBERG.
GUN SIGHT.
APPLICATION FILED JAN. 18, 1910.

958,951.

Patented May 24, 1910.

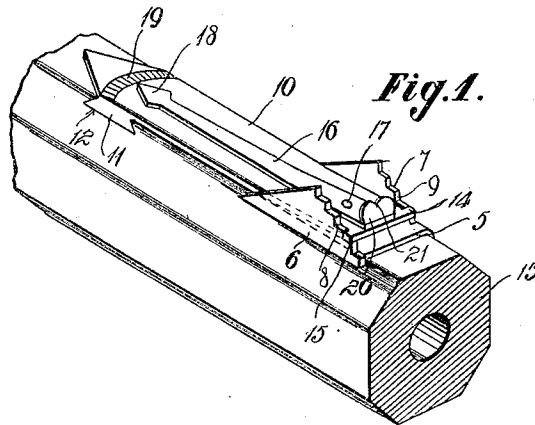


Fig. 1.

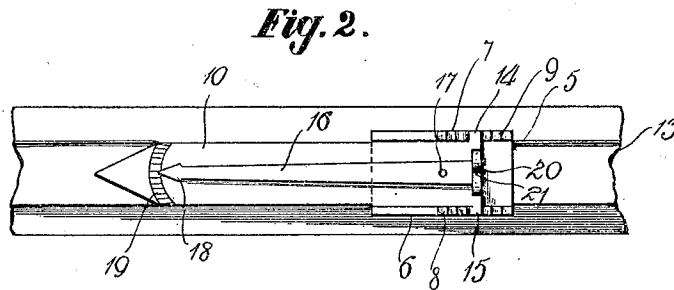


Fig. 2.

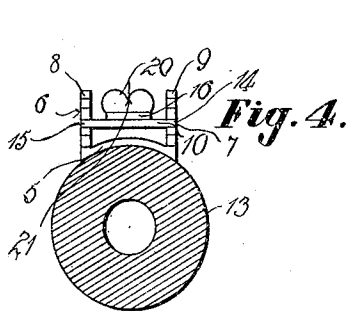


Fig. 4.

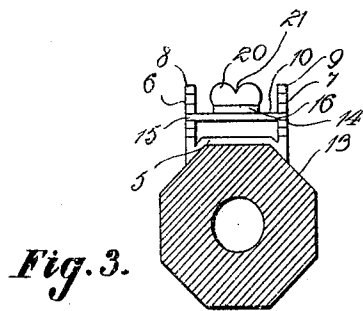


Fig. 3.

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H116 2P

aiming connection

UNITED STATES PATENT OFFICE.

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GUN-SIGHT.

958,951.

Specification of Letters Patent.

Patented May 24, 1910.

Application filed January 18, 1910. Serial No. 538,648.

To all whom it may concern:

Be it known that I, CHARLES F. WOLLENBERG, a citizen of the United States, residing at Irby, in the county of Lincoln, State of Washington, have 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 others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in rear gun-sights and has particular reference to a device of that kind adapted to be adjusted vertically in order to conform to the distance of the object aimed at and adjustable laterally according to the velocity of the wind when the latter is blowing at right-angles to the line of sight.

With the above and other objects in view as will more fully hereinafter appear, the present invention consists in certain novel details of construction and arrangement of parts, hereinafter fully described, illustrated in the accompanying drawings and more particularly pointed out in the appended claims; it being understood that various changes in the form, proportion, size and minor details of the device may be made without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawings forming part of the specification:—Figure 1 is a perspective view of the device mounted upon the fragment of an ordinary rifle barrel of octagonal contour. Fig. 2 is a plan view of the device. Fig. 3 is a rear end elevation. Fig. 4 is a similar view but showing the device applied to a barrel of circular contour.

Similar numerals of reference are employed to designate corresponding parts throughout.

The elevator includes in its construction a base plate 5. This member is preferably formed of a single piece of sheet metal of suitable length and when applied to an octagonal rifle barrel as shown in Fig. 1, its opposite longitudinal side portions are bent obliquely, whereby it will be permitted to bear on three sides of the barrel. The base plate 5 however, may be of arcuate contour, as shown in Fig. 4, so that it may be readily applied to a rifle barrel of circular contour. Rising from the opposite

longitudinal sides of the base plate 5 are a pair of vertical side walls 6 and 7, the upper edges of which are inclined rearwardly from a point at approximately the middle of each wall, the said upper edges being stepped as shown at 8 and 9.

The spring shank to which the sight proper is secured is designated by the numeral 10. This member is preferably formed of a single piece of spring steel and is provided adjacent to one end portion and on its lower face with a dovetailed tongue 11, extending transverse the shank and which fits into a transversely disposed dovetailed recess 12, formed in the upper face of the barrel 13. The rear or free end of the shank 10 is provided with a pair of lateral lugs 14 and 15, which are designed to engage with the steps 8 and 9.

From the foregoing it is evident, it being understood that the shank 10 is considerably less in width than the distance between the inner face of the side walls 6 and 7 and the distance between the ends of the lugs 14 and 15 corresponding to the distance between the steps 8 and 9, when the parts are positioned as shown in Fig. 1, by moving the elevator forwardly will lower the rear end of the shank to the lower-most step which will be the position of the parts when objects aimed at are comparatively near; when objects relatively distant are aimed at the free end of the shank 10 may be raised and held in raised position, by first moving the said free end upwardly and thence sliding the elevator rearwardly until the lugs 14 and 15 engage with the steps to hold the free end of the shank at the desired elevation.

The sight proper consists of a finger portion 16. This member is preferably formed of a single piece of spring steel, considerably less in width and somewhat less in length than the shank 10. The finger 16 is pivoted as shown at 17, to the shank 10, and at a point adjacent to the rear or free end of the latter. The opposite or forward end of the finger terminates in a spherical head 18, which points to a graduated scale 19, formed on the upper face and adjacent the secured or forward end of the shank 10. The scale 19 is laid off in degrees which show the angular distance that must exist between the central line of the barrel and middle of the sight body when the wind is blowing a certain number of miles per hour and in a direction at right-angles to the line of sight,

The opposite end of the finger 16 is provided with a sight body 20, rising from the upper face of the finger and having its upper edges curved and centrally provided with the usual notch 21, the center of which is to be brought into alinement with the forward sight (not shown).

From the foregoing it can be seen that I have provided a device which is exceedingly simple in structure and comparatively inexpensive to manufacture, embodying few parts and these so arranged that the danger of derangement will be reduced to a minimum.

What is claimed as new, is:—

1. In a gun-sight a stepped elevator, a spring shank having at one end oppositely extending lugs to engage the steps of said elevator and provided adjacent its opposite end with a degree scale, a finger pivoted to

said shank having one end over-lying the degree scale and its opposite end provided with a sight body.

2. In a gun-sight, the combination with a barrel; of a stepped elevator slidingly fitted on said barrel, a spring shank secured at one end to the barrel and provided at its opposite end with a pair of lateral lugs to engage with the steps of said elevator and further provided on its upper face and at its secured end with a degree scale, a hand pivoted to the shank having one end extending to a point adjacent the degree scale and its opposite end provided with a sight body.

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

CHARLES F. WOLLENBERG.

Witnesses:

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