June 21, 1949. U. LILLARD 2,473,891

RIFLE SIGHT CONVERSION ATTACHMENT

Filed June 14, 1946

FIG. 1.

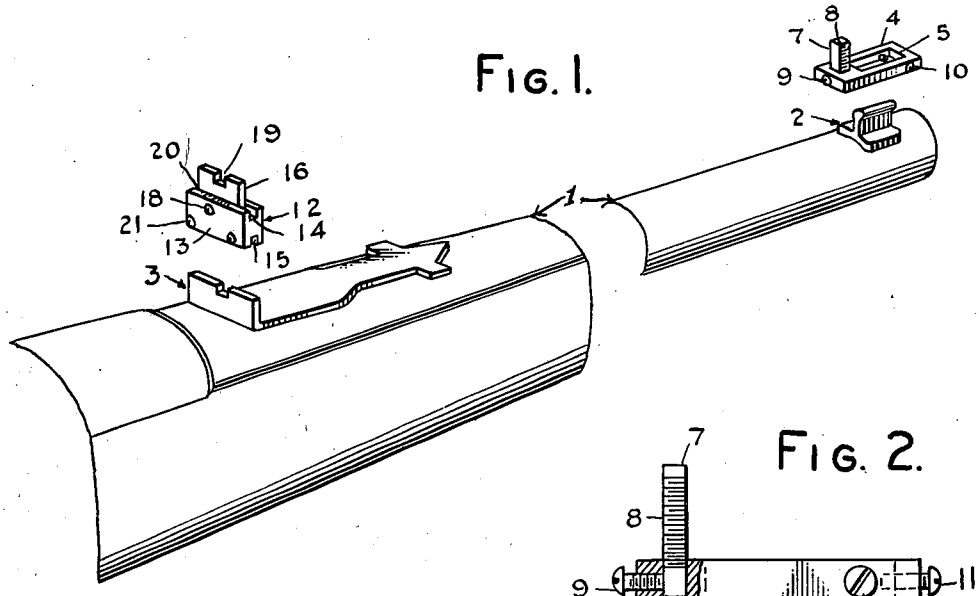


FIG. 2.

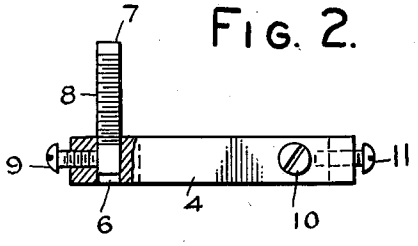


FIG. 3.

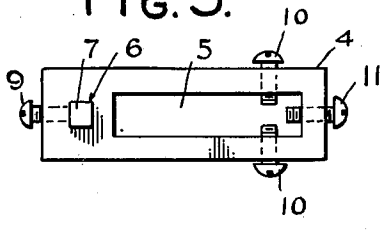
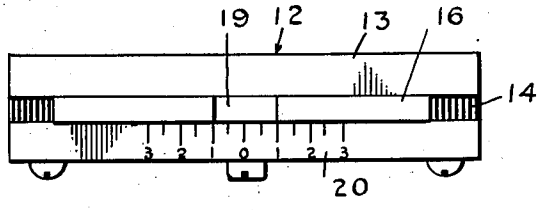


FIG. 4.



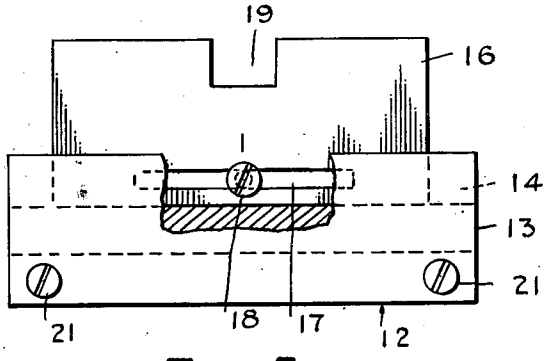
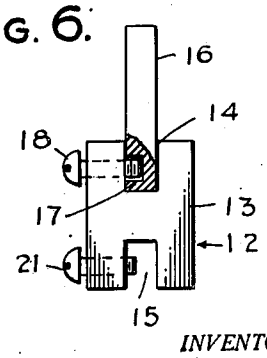


FIG. 5.

FIG. 6.



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RIFLE SIGHT CONVERSION ATTACHMENT

Urban Lillard, Miami, Fla.

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1 Claim. (Cl. 33—59)

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This invention relates to a rifle sight conversion attachment.

An object of the invention is the provision of a simple and efficient device for converting the fixed, and semi-fixed, sights usually found on lower and medium priced rifles, to easily and quickly adjustable sights.

The National Rifle Association "Instruction Manual" for Junior Rifle Clubs states: "Many inexpensive light rifles are equipped with crude open sights. The only way to adjust such sights is by the 'trial and error' method. Follow the general rule of moving the (rear) sight in the direction in which the shots should go. It is necessary to more or less guess at how much to move it up or down by means of the little step elevator or to move it from side to side by driving it through the slot in the barrel. Then shoot to see if it has been moved enough. If not, try again. It can easily be seen that such crude sights are unsatisfactory for efficient target shooting, and should be replaced by more easily adjusted aperture or peep sights."

Therefore, another object of my invention is the production of a device which is easily and quickly attached to the sights already on the rifle, and permits quick and accurate adjustments for windage and elevation.

A still further object is the construction of a simple device which can be easily and inexpensively manufactured.

With the foregoing and other objects in view, my invention comprises certain novel constructions, combinations, and arrangements of parts as will be hereinafter fully described, illustrated in the accompanying drawings, and more particularly pointed out in the appended claim.

In the drawings:

Figure 1 is a fragmentary perspective view of a rifle barrel showing the fixed or permanent sights thereon, with the sight devices of this invention in position above said fixed sights.

Figure 2 is a view in side elevation of the front sight device.

Figure 3 is a top plan view of the front sight device.

Figure 4 is a top plan view of the rear sight device, while

Figure 5 is a view in side elevation thereof.

Figure 6 is a view in end elevation of the rear sight device.

Referring to the drawings, in which the preferred embodiment of this invention is illustrated, 1 designates an ordinary rifle barrel to which is fixedly secured a front sight 2 and a rear sight 3.

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The front sight device of this invention comprises an elongated frame or body 4 which is provided with an elongated slot 5. The body 4 is also provided with a square slot 6 in which is slidably mounted the sight post 7. Sight post 7 is provided with scale 8. A set screw 9 extends into the end of body 4, the inner end of said screw being adapted to extend into slot 6, into engagement with sight post 7 for securing said post in an adjusted position. Two side set screws 10, are on the sides of the elongated body 4 contiguous to its outer end, while set screw 11 is on the outer end of said body 4. When the body 4 is placed upon the fixed sight 2 said screws 10 and 11 are tightened to secure the front sight device upon the fixed sight 2.

The rear sight device 12 comprises an elongated frame or body 13 which is provided with an upper longitudinally extending slot 14 and a lower longitudinally extending slot 15. A plate-like leaf 16 is set down into the upper longitudinally extending slot 14. This leaf 16 is provided with a screw-receiving notch 17 in one side thereof. The inner end of leaf set screw 18 extends into notch 17 (Fig. 6) for holding the leaf 16 upon the body 13. The leaf 16 is provided at its center with a sight notch 19. The body 13 is provided with a scale 20 upon its upper flat face. A pair of screws 21 are employed for attaching the device to the rear fixed sight 3. The inner ends of screws 21 extend into the lower longitudinally extending slot 15 whereby these screws are adapted to be clamped against the upstanding portion of the rear fixed sight 3.

In operation the front sight post 7 is adjusted vertically to suit the condition, the scale 8 assisting in this adjustment. The rear leaf 16 may be adjusted longitudinally of body 13 by reason of the fact that the notch 17 is of sufficient length to allow of this adjustment, the accuracy of which being obtainable by reason of scale 20. Therefore with these attachments the operator can obtain perfect sights when using an ordinary rifle.

While I have described the preferred embodiment of my invention and illustrated the same in the accompanying drawings, certain minor changes or alterations may appear to one skilled in the art to which this invention relates during the extensive manufacture of the same, and I, therefore, reserve the right to make such changes or alterations as shall fairly fall within the scope of the appended claim.

What I claim is:

In a device of the class described, the combina-

tion of an elongated body provided with an upper and a lower longitudinally extending slot, said slots extending the length of said body, and open at their ends, a sight leaf set down in the upper slot, said sight leaf provided in one side with an elongated screw-receiving notch, a screw on one side of said body, and extending into said elongated screw-receiving notch, and a pair of screws on said body near its lower edge and extending into said lower longitudinally extending slot.

URBAN LILLARD.

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