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March 22, 1927. 1,622,193

J. FISCHER

GUN SIGHT

Filed June 29, 1925

Fig. 1.

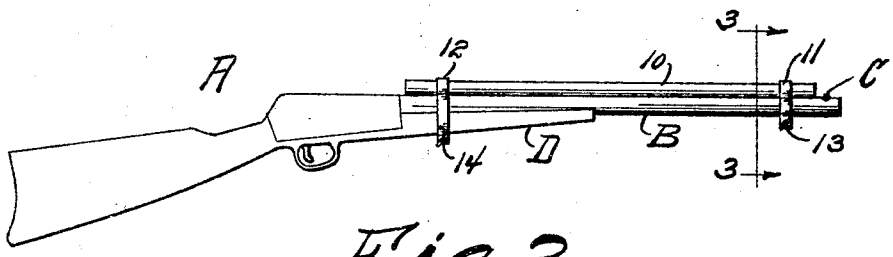


Fig. 2.

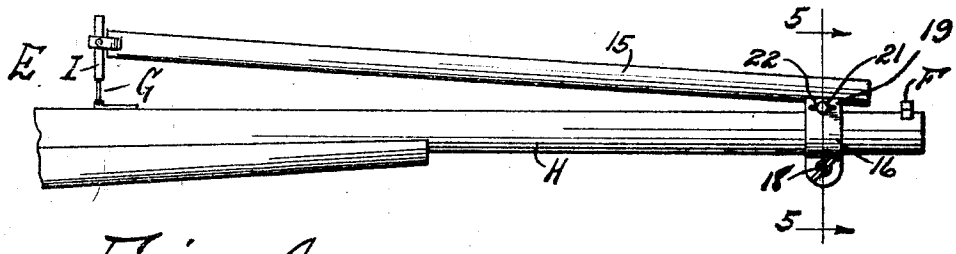


Fig. 4.

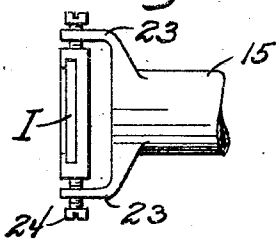


Fig. 3.

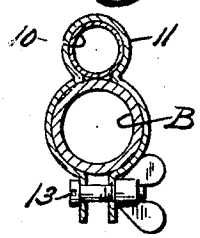


Fig. 5.

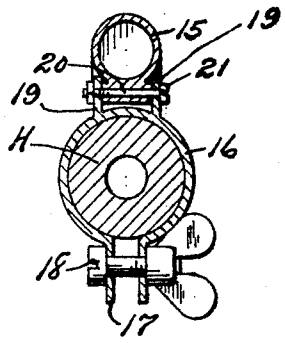
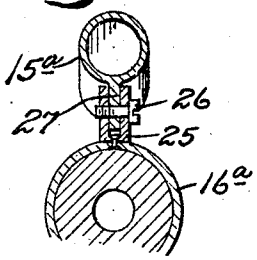


Fig. 6.



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WITNESS

2P

COMMERCIAL INSTRUMENTS

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Patented Mar. 22, 1927. 1,622,193

UNITED STATES PATENT OFFICE.

JOSEPH FISCHER, OF FAITH, SOUTH DAKOTA, ASSIGNOR TO AUGUST HANNEMAN, OF REDELM, SOUTH DAKOTA.

GUN SIGHT.

Application filed June 29, 1925. Serial No. 40,430.

This invention relates to sights for use in connection with fire-arms and has for its object the provision of a tubular sight adapted to be mounted upon the top of a shot gun or rifle and so constructed and arranged as to make it possible to do better shooting than can be accomplished with the ordinary type of sight inasmuch as greater accuracy is assured partly for the reason that the light is excluded at the back of the front sight so that the front sight will be more conspicuous against the target.

An important object is the provision of a device of this character which is capable of being modified for use in connection with either a shot gun or a rifle, in the latter instance it being preferable that adjusting means be provided for elevating the rear end and increasing the range.

An additional object is the provision of a device of this character which will be simple and inexpensive in manufacture, easy to install, positive in action, efficient and durable in service, and a general improvement in the art.

With the above and other objects and advantages in view, the invention consists in the details of construction and the arrangement and combination of parts to be hereinafter more fully described and claimed, and illustrated in the accompanying drawings, in which:

Figure 1 is a side elevation of a shot gun equipped with the sight.

Figure 2 is a fragmentary side elevation showing the sight applied to a rifle having an adjustable rear sight.

Figure 3 is a cross section on the line 3—3 of Figure 1.

Figure 4 is a fragmentary plan view showing the adjustable mounting for the rear end of the sight.

Figure 5 is a detail cross section taken on the line 5—5 of Figure 2, and

Figure 6 is a similar view showing a modification.

Referring more particularly to the drawings, and especially Figures 1 and 3, the letter A designates a shot gun having the usual barrel B on which is mounted a gun sight C. In carrying out the invention, as applied to a firearm of this type, I provide an elongated tubular member 10 provided at its forward and rear end with spring clamps 11 and 12 respectively embracingly engaging the tubular member 10 and the barrel B and terminating in apertured ears through which pass clamping bolts 13 and 14 respectively. Of course the clamping member 12 partially embraces the reinforcing portion D located beneath the barrel near the rear end thereof.

In carrying out the invention as applied to a rifle indicated at E in Figure 2, I provide an elongated tubular body 15 of a length to extend between the front sight F and the rear sight G which is here illustrated as of the leaf type. Obviously, the front sight F of the gun might be omitted and one be mounted within the forward end of the tubular member 15 if such be preferred for any reason. Mounted in embracing engagement upon the forward end of the barrel H is a split ring-like spring clamp 16 terminating in apertured ears 17 through which passes a clamping bolt 18. This ring member or clamp is formed with spaced upstanding lugs 19 between which the forward end of the tubular member 15 is pivoted so as to be capable of swinging movement. At this point the tubular member 15 is provided with a thickened or enlarged portion 20 through which passes the pivot screw or bolt 21, the lugs 19 being slotted as shown at 22 to prevent binding when pivotal movement is desired or occurs.

Formed or secured upon the rear end of the tubular member 15 is a horizontally extending yoke including arms 23 carrying set screws 24 engaging against the opposite edges of the slide I of the rear sight structure with which the rifle is originally equipped.

In Figure 6, I have illustrated a slight modification of the manner of mounting the forward end of the tubular member 15ª upon the gun barrel. In this instance a spring clamp 16ª is used carrying a yoke 25 of U-shape formation within which is pivotally engaged, by a screw 26 or the like, a single lug 27 formed upon the underside of the tubular member or secured thereto in some desired manner if preferred. Quite obviously, the sides of the yoke 25 must be slotted to prevent binding when pivotal movement occurs.

In the operation of the first described form, of the device as applied to a shot gun it is quite evident that it is merely necessary that the operator or user sight through the

tubular member 10. It is not customary to provide any rear sight structure for a shot gun and for this reason none is used, it being quite sufficient that the rear end of the tubular member perform the function of a sight.

In the use of the device as applied to a rifle, as illustrated in Figure 2, it is obvious that the rear end may be moved vertically with or along the rear sight so as to increase the range as is customary, the pivotal mounting of the forward end of the tubular member permitting this action. The rear sight ordinarily provided cooperates with the front sight, the principal function of the tubular member 15 being to exclude the light from the shooter's eyes so that he may obtain a better sight inasmuch as the front sight F will be displayed very conspicuously in front of the target.

From the foregoing description and a study of the drawings, it will be apparent that I have thus provided a very simple and inexpensive device for the purpose specified which will efficiently perform all the functions for which it is intended. It is believed that the construction, operation and advantages will be thoroughly apparent to one skilled in the art without further explanation.

While I have shown and described the preferred embodiment of the invention, it should be understood that I reserve the right to make such changes in the form, construction and arrangement of parts as will not depart from the spirit of the invention or the scope of the subjoined claims.

Having thus described the invention, I claim.

1. The combination with a firearm including a barrel provided at its forward end with a front sight, of a spring clamp device adapted to be mounted upon the forward portion of the barrel to the rear of the front sight thereon, an elongated tubular member pivotally connected with said clamp and adjustable longitudinally of the barrel, a fork at the rear end of said tubular member, a carriage pivotally mounted within said fork, a leaf pivotally mounted upon the gun barrel and slidably engaged within said carriage and means on the carriage for locking the same against movement with respect to the leaf.

2. An auxiliary sight device for use on a firearm having a barrel equipped at its forward end with a sight, comprising a spring clamping device adapted to be encirclingly engaged upon the barrel to the rear of the front sight thereon, said spring clamp device including spaced upstanding ears, an elongated tubular member having its bottom formed with a thickened portion disposed between and pivotally connected with said ears, a leaf hingedly mounted upon the gun barrel, a slide adjustably mounted upon said leaf, and a fork at the rear end of said tubular member carrying a pivotally mounted carriage slidably mounted upon said slide and adjustable vertically with respect thereto.

In testimony whereof I affix my signature.

JOSEPH FISCHER.