

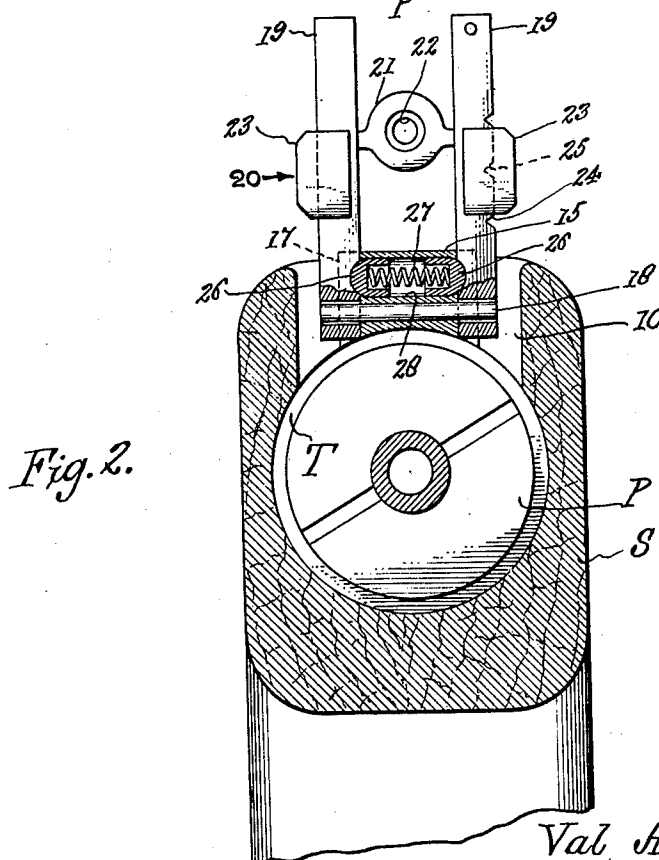
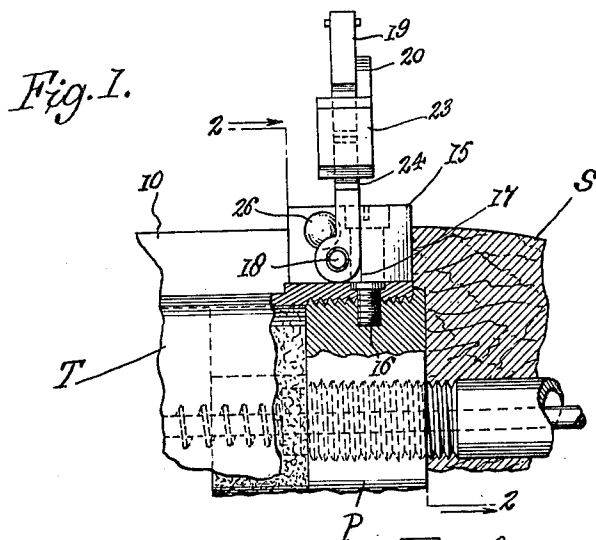
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SIGHT FOR FIREARMS

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SIGHT FOR FIREARMS

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3 Claims. (Cl. 33—57)

This invention relates to sights for firearms. The present application is a divisional of my application Serial No. 401,602, filed January 9, 1941, and entitled "Repeating firearm."

The aim of the present invention is to provide an improved sight for firearms having various features of novelty and advantage and which is particularly characterized by its simplicity and economy in construction and arrangement, by the ease and facility with which it may be adjusted, by the readiness with which it may be swung into raised and lowered positions, and by the security and firmness with which it is held in its raised and adjusted position.

Other objects will be in part obvious and in part pointed out more in detail hereinafter.

The invention accordingly consists in the features of construction, combination of elements and arrangement of parts which will be exemplified in the construction hereafter set forth and the scope of the application of which will be indicated in the appended claims.

In the accompanying drawing:

Figure 1 is a side or edge view of my improved sight, the same being shown in operative or raised position, and a portion of a firearm being illustrated; and

Fig. 2 is a front elevational view of the sight, this view being taken substantially on line 2—2 of Fig. 1 looking rearwardly in the direction of the arrows.

It is, of course, understood that my improved sight may be applied to firearms of various constructions. In the drawing, I have shown, for illustrative purposes, a fragmentary portion of a firearm with the sight applied thereto. The letter S designates a stock having a bore in which is located a tube T which extends rearwardly from, or forms a part of, the receiver. The rear end of the tube is closed by a plug P. The bore of the stock may be open at the upper side of the gun so as to provide a groove 10 above the tube.

My improved sight includes a base block 15 located at the rear end of the groove 10 of the stock and secured, as by means of a screw 16, to the tube T adjacent the rear end thereof. The block has a forwardly facing shoulder 17 at each side, and forwardly of these shoulders is a transverse hole in which is located a pivot pin 18. On the opposite projecting ends of this pin are posts 19. The openings in the posts which receive the pin 18 are of larger diameter than the pin so that the posts may have a limited transverse movement. The posts support a sight-piece 20

which has a central circular portion 21 provided with a sight aperture 22. The central portion 21 is carried by side portions or arms 23 which are grooved on their opposing faces so as to provide guideways which accommodate the posts 19. One of the posts may be provided along its outer edge with notches 24 and one of the arms 23 may have a lug 25 adapted to selectively engage in these notches in order to hold the sightpiece in its several positions of adjustment depending upon the range at which the firearm is to be fired.

For the purposes of urging the posts 19 apart so that they will frictionally engage in the opposed surfaces provided by the guideways of the arms 23 and for resiliently holding the sight in the elevated position shown in the drawing or in a down position where the sight lies horizontally within the groove 10, catches 26 and a spring 27 therebetween are provided. These catches and this spring are located in a transverse opening 28 in the base block 15 positioned above and slightly forwardly of the pivot pin 18. The catches are preferably in the form of hollow caps having outer rounded ends so located that when the sight is in raised position the spring 27, acting through the caps, urges the posts 19 against the shoulder 17 of the base block. When the sight is swung to folded or down position, the catches engage the then upper edges of the posts so as to hold the sight in that position.

In all positions of the sight, the posts are urged outwardly into frictional engagement with the sightpiece, and the sightpiece, acting through the posts, hold the catches within the transverse opening 28. It will be observed that, due to the loose mounting of the posts on their pivot 18, and due to the fact that the spring 27, acting through the catches 26, tends to urge the posts apart, the sightpiece may be adjusted on the posts by pressing the free ends of the posts towards each other, vertically adjusting the sightpiece to the desired position and then releasing the pressure on the posts; and the sightpiece is maintained in its adjusted position by the expanding apart of the posts.

As many changes could be made in the above construction and many apparently widely different embodiments of this invention could be made without departing from the scope thereof, it is intended that all matter contained in the above description or shown in the accompanying drawing shall be interpreted as illustrative and not in a limiting sense.

It is also to be understood that the language used in the following claims is intended to cover

all of the generic and specific features of the invention herein described and all statements of the scope of the invention which, as a matter of language, might be said to fall therebetween.

I claim as my invention:

1. A sight for firearms comprising a base having a forwardly facing shoulder at each side thereof and a transverse hole forwardly of said shoulders, a pivot pin fitting in said hole, posts loosely mounted on the projecting ends of said pin for swinging movement in the direction of the length of the firearm and for slight lateral movement, a sightpiece slidably adjustable along said posts and having opposed surfaces against which the outer edges of said posts are adapted to engage, and spring means urging said posts apart and in engagement with said surfaces to maintain said sightpiece in adjusted position.

2. A sight for firearms comprising a base having a forwardly facing shoulder to each side thereof and a transverse hole forwardly of the shoulders, a pivot pin fitting in said hole and having its ends projecting therebeyond, posts supported on the projecting ends of said pin for pivotal movement in the direction of the length of the firearm and for slight lateral movement, said posts engaging against said shoulders when the sight is in elevated position, a sightpiece slidably adjustable along said posts and having opposed surfaces against which the outer edges of said posts are adapted to engage,

and means for resiliently urging said posts apart so that they will frictionally engage said surfaces to maintain said sightpiece in adjusted position and for resiliently holding the sight in its elevated and folded positions.

3. A sight for firearms comprising a base having a forwardly facing shoulder at each side, a transverse hole forwardly of said shoulders and a transverse opening forwardly of and slightly above said transverse hole; a pivot pin fitting in said transverse hole and having its ends projecting therebeyond, posts carried on the projecting ends of said pins for pivotal movement in the direction of the length of the firearm and for slight lateral movement, said posts when in elevated position having their rear edges engaging against said shoulders and their forward edges intersecting the ends of said opening rearwardly of the axis thereof and said posts when the sight is in folded position having their then upper edges intersecting the ends of said opening below the axis thereof, a sightpiece carried by said posts for vertical adjustment therealong and having opposed surfaces against which the outer edges of posts are adapted to frictionally engage, a spring within said opening for urging said posts apart to maintain said sightpiece in adjusted position, and catches at the opposite ends of said spring having rounded outer ends adapted to engage the inner edges of said posts.

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