

d v  
May 3, 1932.

S. GRIFFIN ET AL

1,856,549

GUN SIGHT SUPPORT

Original Filed Oct. 5, 1927.

Fig. 1.

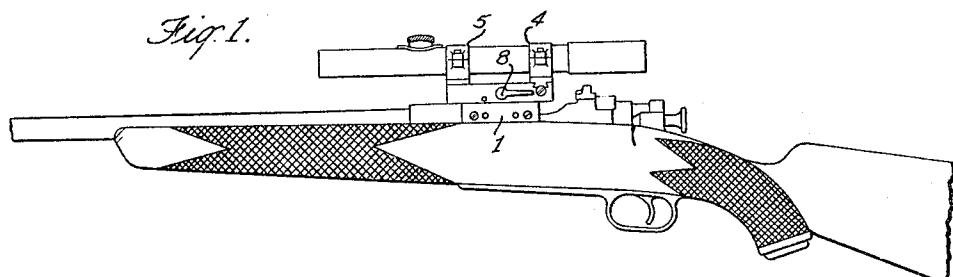


Fig. 2.

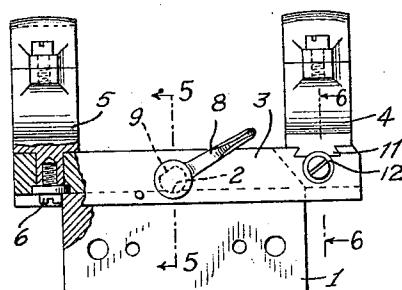


Fig. 3.

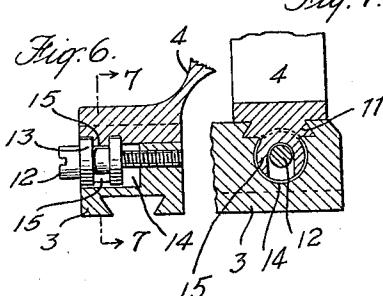
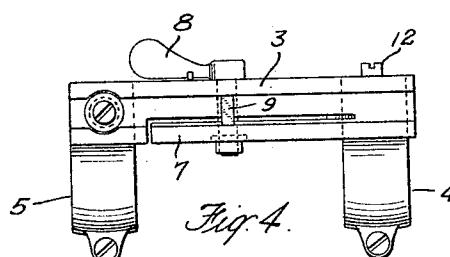
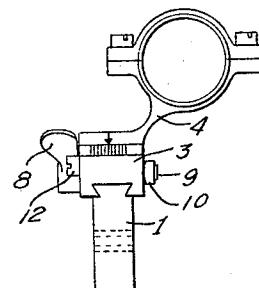
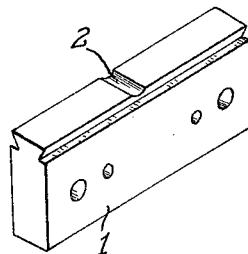
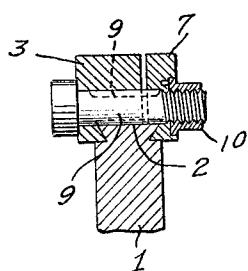


Fig. 5.



INVENTOR  
SEYMOUR GRIFFIN  
ROBERT SPARR  
BY  
Venable & Spencer  
ATTORNEYS.

2P

1437

50

Patented May 3, 1932

1,856,549

## UNITED STATES PATENT OFFICE

SEYMOUR GRIFFIN AND ROBERT SPARR, OF NEW YORK, N. Y., ASSIGNEES TO GRIFFIN &amp; HOWE, INC., OF NEW YORK, N. Y., A CORPORATION OF NEW YORK

## GUN SIGHT SUPPORT

Refiled for abandoned application Serial No. 224,044, filed October 5, 1927. This application filed November 4, 1927. Serial No. 231,055.

This invention relates to improvements in mountings for telescope sights for rifles and the like. The primary object is to construct such a device in a manner that will enable the telescope to be quickly removed and quickly attached to the rifle, at the same time providing for a mounting which is sufficiently rigid to withstand the shocks to which it is subjected.

10 A feature of the invention consists in the provision of a lever carried by the supporting element of the telescope and so arranged that approximately a half turn thereof suffices to rigidly clamp the mounting in place 15 on the gun breech. A similar half turn in the opposite direction frees the parts so that the telescope may be removed.

Another feature resides in the provision of inter-engaging parts rendered effective by 20 the same lever for preventing any relative longitudinal movement between the removable telescope supporting elements and the plate to which it is temporarily secured while in use.

25 Other features and advantages will appear from the following description when taken in connection with the accompanying drawings, in which

Figure 1 is a view in elevation showing 30 the portion of the gun stock with our improved mounting attached thereto;

Figure 2 is an elevation on an enlarged scale;

Figure 3 is a front view looking towards 35 the right in Figure 2;

Figure 4 is a bottom plan view showing the lever moved to position to permit the telescope to be removed;

Figure 5 is a sectional view on the line 40 5-5 of Figure 2;

Figure 6 is a sectional view of the telescope supporting bracket shown in Figure 3;

Figure 7 is a section on the line 7-7 of 45 Figure 6, and

Figure 8 is a perspective view of the plate which is secured to the rifle breech.

Referring to the drawings, 1 indicates a 50 plate of general rectangular form having screw holes by which it may be rigidly at-

tached to the rifle breech. This plate, as shown in Figure 8, is provided with a dovetail at its upper edge having a rounded depression 2 therein.

The telescope supporting element 3 is provided with a dovetailed slot at its under portion, as shown in Figure 3, which fits the dovetail of the plate 1 when the two parts are slid together. The telescope supporting bracket 4 is adapted to be moved transversely of the supporting element 3 to adjust for windage in a manner which will be pointed out more in detail hereinafter.

60 The other bracket 5 is detachably secured to the element 3 by a screw 6 which passes through said element 3 and into the bracket. This screw has another function that will also be pointed out later.

65 It is important that when the telescope mounting is slid upon the plate 1, it shall be firmly secured in place and it is highly desirable that such securing means be of such character that the telescope may be very quickly put in place and removed. These results are secured in the present invention by slitting the supporting element 3 in such a manner as to provide a tongue 7, Figures 4 and 5, which tongue then constitutes a portion of the element which is independently movable into engagement with the plate 1 whereby the two 70 may be securely clamped together. This clamping is brought about in the present invention by the lever 8 secured to a stub shaft or pin 9, which passes through the side of the supporting element 3 and through the tongue portion 7 thereof, which may be directly threaded or, as is shown in Figure 5, said tongue may be provided with a threaded sleeve 10, suitably secured to the tongue 7. When the lever 8 is moved from the position shown in Figure 4 to the position shown in Figures 1 and 3, the tongue or movable portion of the element 3 is moved into clamping 75 relation with the plate 1.

80 In the present invention the friction between the tongue 7 and the plate 1 is not relied upon as the sole means to secure the parts firmly together, but in addition a positive locking action is brought about by providing 85 inter-engaging means between the plate and 90

55

60

65

70

75

80

85

90

95

100

the supporting element which positively prevents any longitudinal relative movement between them. In the present instance we have utilized the stub shaft 9 for this purpose and 5 in order that it may thus serve it is flattened on one side, as shown in dotted lines in Figure 2, and when the lever 8 is in the position shown in Figure 4 the flattened portion of the shaft 9 forms a continuous surface with 10 the bottom of the groove in the element 3, thereby permitting said element to slide along the plate 1, and the parts are shown thus positioned in Figure 2. In this figure it will be noted that the screw 6 abuts the 15 plate 1, thus acting as a stop to determine the position that the supporting element 3 must occupy in relation to the plate 1 to bring the stub shaft 9 in position to engage the rounded notch or depression 2, in the 20 plate 1. When the lever 8 is moved from the position shown in Figure 4 to the position shown in Figure 2, the rounded portion of the stub shaft or pin 9 engages in the notch 2 and positively prevents relative longitudinal movement of the parts. The pin 6 serves 25 two functions—that of supporting the bracket 5 and as a means for determining the proper position of the supporting element on the plate 1.

30 We have also provided an adjustment for windage and for this purpose the bracket 4 is provided with a dovetail 11 which fits into a dovetailed slot in the supporting element 3. A screw 12, provided with a notched collar 35 13, rigidly secured thereto, seats in a recess 14, of the supporting element 3, and is screw threaded into the side thereof as indicated in Figure 6. A downwardly projecting yoke 15 rigid with or secured to the bracket 4, engages the groove in the collar 13 and by this 40 construction turning of the screw 12 in either direction causes a corresponding movement of the bracket 4 in relation to the supporting element 3.

45 It is, of course, to be understood that variations may be resorted to within the scope of the invention without departing from the spirit thereof and some of the parts may be used without others.

50 What we claim as new is:

1. A mounting for telescope sights for rifles and the like, having a grooved mounting plate adapted to be secured to the rifle breech, a support for the telescope longitudinally slit for a portion thereof to form a tongue fitting the groove in said plate, said plate having a depression at its upper side, a lever carried by the telescope support and having screw threaded engagement with said 55 tongue and also having a portion adapted to enter the depression in said plate when the lever is moved to clamp the tongue and plate together.
2. A mounting for telescope sights for rifles and the like, including a grooved

mounting plate, a telescope supporting element also grooved to slidably fit the groove in said plate, a bracket for supporting one end of the telescope, a screw passing through said element and into said bracket, said screw also forming a stop engaging said plate for determining the proper position of said supporting element on the plate when the former is slid into engagement with the latter, and inter-engaging means between said plate and supporting element acting positively to prevent longitudinal relative movement thereof when the plate and support are in position as determined by said screw stop. 70

3. A mounting for telescope sights and the like including a grooved mounting plate, a telescope supporting element also grooved to slidably fit the groove in said plate and having a tongue also fitting the groove in said plate, a bracket for supporting one end of the telescope, a screw passing through said element and into said bracket for securing the same to the support, said screw also forming a stop for determining the proper position of said supporting element on the plate when the former is slid into engagement with the latter, interengaging means between said plate and supporting element and a lever supported by said element and acting to render said inter-engaging means effective and to move said tongue into clamping relation with said plate. 80

4. A mounting for telescope sights for rifles and the like including a longitudinally grooved mounting plate, a support for a telescope longitudinally slit for a portion thereof to form a tongue fitting one of the grooves in said supporting plate, said plate having a depression at its upper side, a lever carried by the telescope support, means operated by said lever having screw-threaded engagement with said tongue and also having a portion adapted to enter the depression in said plate when the lever is moved to thereby clamp the tongue and plate together and positively prevent relative longitudinal movement between the telescope support and plate. 90

Signed at New York City, N. Y., this 28 day of October, 1927.

SEYMOUR GRIFFIN.  
ROBERT SPARR.

115

120

125

130