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T. R. FELIX

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TELESCOPE SIGHT MOUNT FOR FIREARMS

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Fig. 1

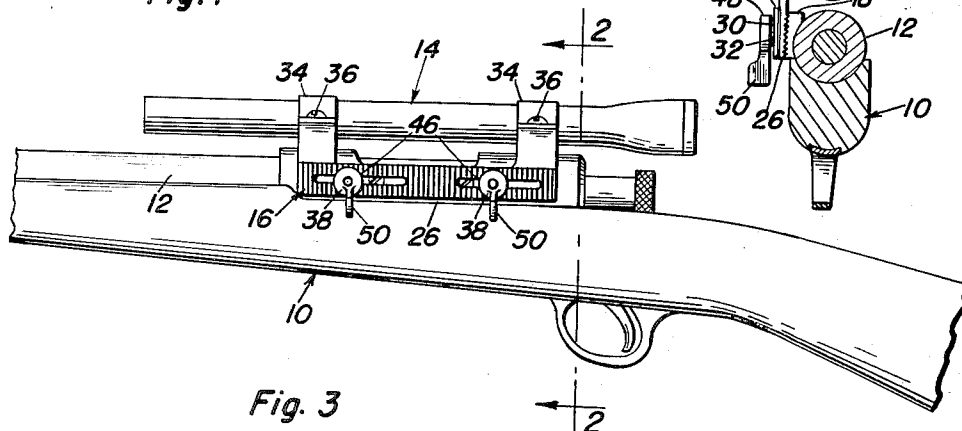


Fig. 2

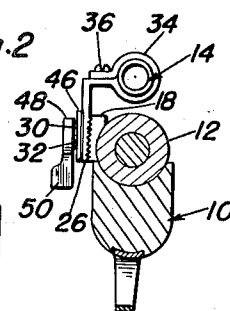
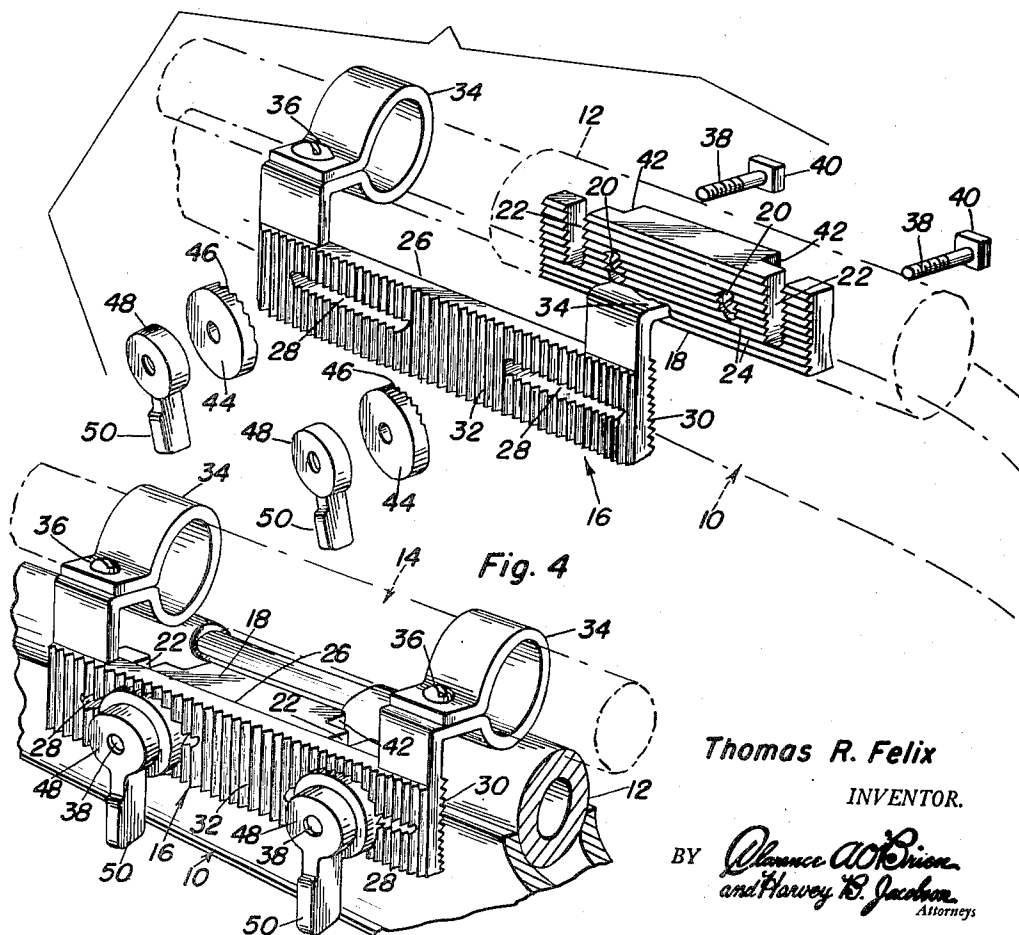


Fig. 3



Thomas R. Felix  
INVENTOR.

BY *Almonce A. O'Brien*  
and *Harvey B. Jackson*  
Attorneys

## UNITED STATES PATENT OFFICE

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## TELESCOPE SIGHT MOUNT FOR FIREARMS

Thomas R. Felix, Meriden, Conn.

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1 Claim. (Cl. 33—50)

1

This invention relates to new and useful improvements and structural refinements in mountings for telescope sights on firearms, and the principal object of the invention is to provide mounting means which may be quickly and easily adjusted so as to vary the location of the telescope sight both longitudinally and vertically with respect to the barrel of the firearm.

An important feature of the invention, therefore, resides in the provision of the adjustable mounting means, these being so arranged that by loosening the same clamping nuts, vertical as well as longitudinal adjustment may be made, but at the same time, an adjustment in one direction does not necessarily affect the setting of the adjustment in the other.

Some of the advantages of the invention reside in its simplicity of construction, in its efficient and dependable operation, and its adaptability for use on firearms of different sizes and types.

With the above more important objects and features in view, and such other objects and features as may become apparent as this specification proceeds, the invention consists essentially of the arrangement and construction of parts as illustrated in the accompanying drawings, in which:

Figure 1 is a side elevational view of the invention applied to a firearm;

Figure 2 is a transverse sectional view, taken substantially in the plane of the line 2—2 in Figure 1;

Figure 3 is a group perspective view of the invention, the firearm and telescope sight being shown in dotted lines, and

Figure 4 is a fragmentary perspective view of the invention assembled on a firearm, the telescope sight being illustrated by dotted lines.

Like characters of reference are employed to designate like parts in the specification and throughout the several views.

Referring now to the accompanying drawings in detail, the general reference character 10 designates a firearm including a barrel 12, while the general reference character 14 designates a conventional telescope sight which is positioned longitudinally above the barrel, as is best shown in Figure 2.

The invention resides in the provision of adjustable means for mounting the telescope sight on the firearm, these adjustable means being designated generally by the reference character 16 and involving the provision of what may be called an elongated mounting plate 18 which is rigidly secured to the barrel 12 or to the re-

2

ceiver of the firearm, as desired, by suitable, relatively short screws 20.

The mounting plate 18 is provided with a pair of vertically extending slots 22 having open upper ends, and it is to be noted that the outer surface of the plate 18 is formed with a series of horizontally extending serrations 24.

An elongated carrier plate 26 is disposed at the outer surface of the mounting plate 18 and is provided with a pair of horizontally extending slots 28 which are in register with the respective slots 22. The inner surface of the carrier plate 26 is formed with a series of horizontally extending serrations 30 which are in slidable engagement with the horizontal serrations 24 on the mounting plate 18, while the outer surface of the carrier plate 26 is provided with a series of vertically extending serrations 32.

A pair of inwardly offset clamps 34 are provided at the upper edge of the carrier plate 26 to receive the telescope sight 14, the clamps 34 having suitable screws 36 whereby the sight may be firmly clamped in position therein.

As is best shown in Figure 2, the clamps 34 are offset inwardly to a sufficient extent so that the longitudinal axis of the sight 14 is in vertical alignment with the longitudinal axis of the barrel 12.

A pair of clamping screws 38 extend outwardly through the slots 2, 28 in the respective plates 18, 26, the polygonal heads 40 of the screws 38 being accommodated in suitable recesses 42 provided at the inner surface of the mounting plate 18, so that rotation of the screws in the slots is prevented. Suitable washers 44 are provided on outer end portions of the screws 38 and have vertically serrated inner surfaces 46 which are in slidable engagement with the vertical serrations 32 on the carrier plate 26, and finally, clamping nuts 48, equipped with finger pieces or handles 50, are provided at the outer ends of the screws 38 and are engageable with the outer surfaces of the washers 44, as shown.

It will be apparent from the foregoing that by loosening the nuts 48 and shifting the carrier plate 26 so as to slide the screws 38 vertically in the slots 22, the sight 14 may be adjusted vertically with respect to the barrel 12. Similarly, by loosening the same nuts and shifting the plate 26 so as to slide the screws 38 in the slots 28, the sight 14 may be adjusted longitudinally relative to the barrel.

It is to be noted, however, that although the adjustment is effected by loosening the same nuts (48) for vertical as well as longitudinal shifting

3

of the telescope sight, the adjustment in one direction does not affect the setting of the adjustment in the other direction because of the several sets of serrations which are provided. For example, if the telescope sight is merely to be raised or lowered with respect to the barrel and without being shifted longitudinally, the nuts 48 may be loosened to a sufficient extent to facilitate disengagement of the serrations 30 from the serrations 24 while maintaining the serrations 32, 46 in contact. Conversely, longitudinal adjustment of the telescope sight may be effected by loosening the nuts 48 sufficiently to separate the serrations 46 from the serrations 32, while maintaining the serrations 24, 30 in contact.

Finally, it is to be noted that the sight 14 together with the carrier plate 26 and the screws 30 may be readily separated from the plate 18 and the associated gun by simply loosening the nuts 48 and withdrawing the screws 38 from the slots 22 in an upward direction. Moreover, it is to be noted that by virtue of the horizontal and vertical serrations, the sight 14 together with the carrier plate 26 and the screws 30 may be removed from one gun and re-applied thereto, or to another gun, without the loss of "zero," that is, without disturbing the line of aim through the sight, this being achieved by simply noting the relative position of the serrations before removing the sight, and reinstalling the same accordingly.

It is believed that the advantages and use of the invention will be clearly understood from the foregoing disclosure and accordingly, a further description thereof at this point is deemed unnecessary.

While in the foregoing there has been shown and described the preferred embodiment of this invention it is to be understood that minor changes in the details of construction, combination and arrangement of parts may be resorted to without departing from the spirit and scope of the invention as claimed.

4

Having described the invention what is claimed as new is:

Telescope sight mounting means comprising an elongated mounting plate adapted to be secured to a side of a firearm and provided with a plurality of vertical slots having open upper ends, said mounting plate having an outer surface provided with horizontally extending serrations, a carrier plate disposed at the outer surface of said mounting plate and provided with a plurality of horizontal slots in register with the respective vertical slots, said carrier plate having an outer surface provided with vertically extending serrations and an inner surface provided with horizontally extending serrations in sliding engagement with the horizontal serrations on the mounting plate, inwardly offset telescope sight receiving clamps provided at the upper edge of the carrier plate, a set of fastening screws extending outwardly through the registering slots in the mounting and carrier plates, washers provided on outer end portions of said screws and having inner surfaces provided with vertically extending serrations in sliding engagement with the vertical serrations on said carrier plate, and clamping nuts provided on said screws at the outer surfaces of said washers.

THOMAS R. FELIX.

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