June 9, 1936. H. V. DOE 2,043,430

TELESCOPIC GUNSIGHT MOUNTING

Filed May 6, 1935

Fig 1

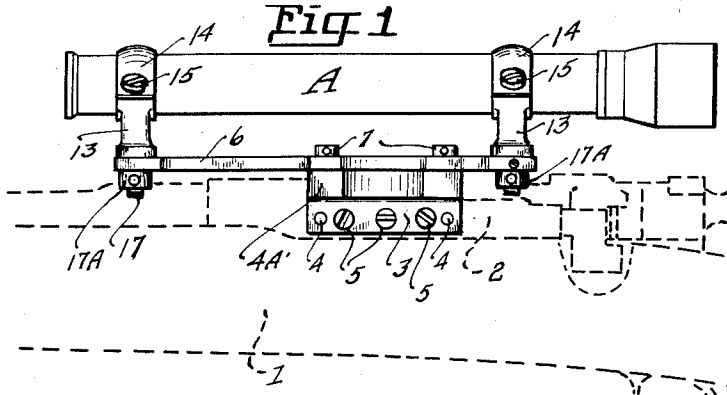
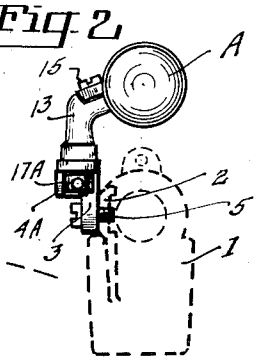


Fig 2



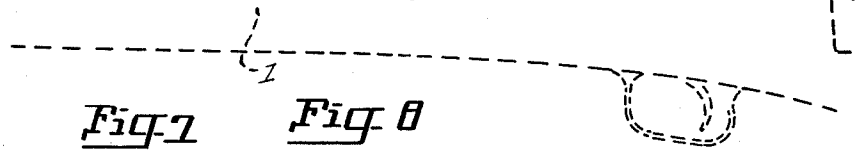


Fig 7

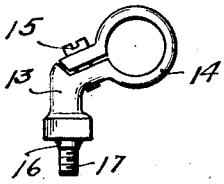


Fig 8

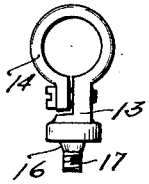


Fig 9

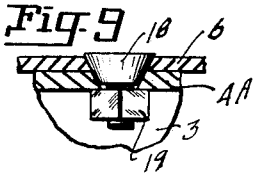
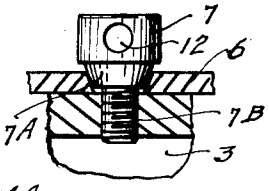


Fig 10



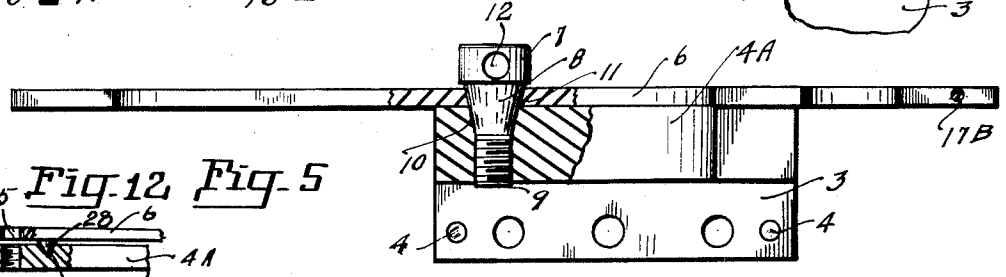


Fig 12

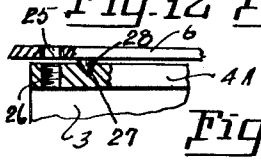


Fig 5

Fig 4

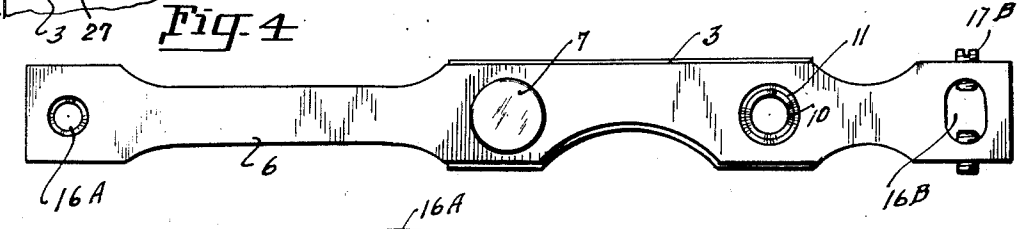
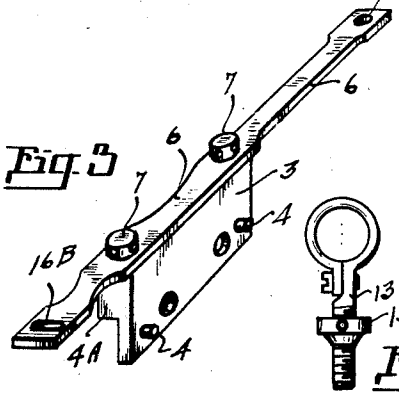


Fig 3



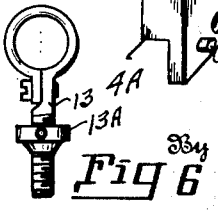
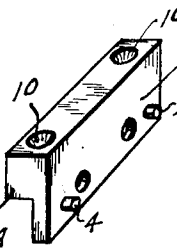


Fig 6

Fig 11



Inventor

Harry V. Doe

By Cline & Hartson

Attorney

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TELESCOPIC GUNSIGHT MOUNTING

Harry V. Doe, Salem, Oreg.

Application May 6, 1935, Serial No. 19,971

4 Claims. (Cl. 33—50)

My invention relates to gunsight mountings and is especially adapted for the mounting of telescopical sights.

The primary object of my invention is to provide a mounting for a telescopical sight that will remain in exact alignment when once mounted and aligned to the bore of the gun.

Another object of my invention is to provide a mounting for telescopical sights, that will permit the removal of the telescope and the replacing thereof to its exact aligned position.

A further object of my invention is the securing of the base of the mount to the receiver of the gun, thereby in no way effecting the barrel proper by drilling holes therein, or otherwise altering the vibration of the barrel.

A still further object of my invention is to provide mounting means that cannot be altered in alignment by anyone tampering with any adjustment screws.

A further object of the invention is the providing of means of adjustment by the fewest number of parts.

Other and incidental objects of this invention will be apparent in the specification and drawing, to follow:—

Referring to the drawing;

Figure 1 is a side elevation of my new and improved telescopical gunsight mounting, the same being mounted to the receiver of the fire arm, illustrated by dotted lines.

Figure 2 is a rear end view of the telescopical sight and its mounting, the position of the gun being indicated by dotted lines.

Figure 3 is a perspective end view of the mount.

Figure 4 is a plan view of the base plate of the mount, including the bracket for attaching to the gun.

Figure 5 is a side view of the base plate and the bracket partially broken away to illustrate the principle of my invention, which consists of the tapered screw accurately aligning the bracket and the base plate.

Figure 6 is an end view of an adjustable mounting clamp.

Figure 7 is an end view of the type of mounting clamp used for holding the telescope for guns extracting the fired case in the right and placing the sight in exact alignment above the bore of the barrel.

Figure 8 is an end view of a clamp for mounting the telescope on the left side of receiver on the guns, exacting the fired case upwardly.

Figure 9 is a detailed view in section of another preferred type of tapered assembly means.

Figure 10 is still another preferred form of assembly means.

Figure 11 is a perspective end view of the bracket.

Figure 12 is a fragmentary sectional view of base plate and bracket and illustrates a modification in the means for aligning them with each other.

In the drawing, 1 indicates the stock of the rifle adjacent the receiver 2 of the gun. The angle base 3 having dowel pins 4 extending into the receiver 2, and secured thereto by the screws 5, forms a base for the mounting of the base plate 6. The base plate 6 is secured to the base 3 by the screws 7 threaded into the ledge 4A. The screws 7 are tapered or conically shaped as shown at 8. This tapering coacts with the tapered or conical hole 10 within the upper portion of the ledge 4A, the base plate 6 has also a tapered or conical hole 11 for coacting with the taper or conical shape 8 of the screw 7. The screw 7 is threaded within the ledge 4A by the thread 9. The tapering of the screws 7 is an important feature of my invention, the purpose of the taper being to exactly position the base plate 6 when the screws are replaced after the telescopical sight has been removed from the rifle.

Due to the fact that in order to remove or replace the telescopical sight the screws 7 have to be turned by a suitable tool coacting with the holes 12 of the screws 7, the chance of anyone tampering with the screws without having the tools to remove them is greatly reduced.

The telescopical sight A is mounted to the base bar 6 by the mounts 13. The circular portions 14 of the mounts encircle the telescope A and are clamped therearound by the screws 15. These mounts also have a taper or conical portion 16 at their lower ends for coacting with a taper or cone seat in the upper portion of the holes 16A. Threads 17 are provided for receiving the lock nuts 17A. One of the mounts 13 is mounted within the slot 16B of the base plate 6, having adjusting screws 17B for aligning the telescopical sight with the rifle bore. The type of mount shown in Figure 6 can be adjusted for height by screw 13A.

In Figure 9 another preferred form of tapered screw is used for mounting the base plate 6 to the ledge 4A. The screw is indicated having a tapered head 18 and a lock nut 19.

Figure 10 shows another form of construction where the base plate 6 is tapered only, depending

upon the screw thread 7B to provide accurate alignment within the ledge 4A.

One of the chief troubles encountered in the mounting of telescopical sights has been that once they were removed from the rifle and then replaced they required careful aligning with the bore of the rifle, but in my invention the tapered screws insure exact replacing of the mount to the gun. In the construction shown in my invention misalignment due to tampering by one inexperienced with the mount is eliminated, as the tapered screws will always recenter the mount to its exact zero.

By the use of tapered screw fittings the shock or recoil of the gun can in no way effect the aligned position of the telescope once it has been perfectly aligned to the bore of the barrel. The removing and replacing of the telescope to the gun will always be accurate, and the snugness with which the screws can be cinched down makes it difficult for the mounting to be in any way tampered with.

I do not wish to be limited to the construction herein shown and described, as my invention may be adapted to other forms of embodiment still coming within the scope of the claims, hereunto annexed.

I claim:

1. In a telescopic gunsight mounting, an angle base mounted to the receiver of a rifle, said angle base having a ledge provided with apertures forming threaded seats having tapered centering portions, a base plate having tapered apertures corresponding to the taper of said seats, threaded members passing through the apertures in said plate and threaded in such seats and provided with tapered portions cooperating with the taper of the seats and aforesaid apertures to maintain the plate firmly on the base, apertures forming tapered seats in said base plate and threaded sight supporting members provided with tapered portions seating in the last seats and lock nuts for holding them in such seats.

2. In a telescopic gunsight mounting, a support member mounted to the receiver of a rifle, the support member being provided with apertures forming seats tapered at the mouths and threaded therebelow, a base plate having tapered apertures tapering and spaced correspondingly to the taper and spacing of the seats, threaded members threadable in such seats and provided with tapered portions corresponding to and engaging the tapered portions of support member seats and base plates, there being holes forming tapered seats in said base plate, and threaded sight supporting members having tapered portions seating in the last seats and provided with means engaging their threads designed to secure them to the base plate.

3. In a telescopic gunsight mounting, a support member mounted to the receiver of a gun and provided with holes forming tapering seats, a base plate mountable thereon provided with tapered apertures corresponding to the taper of the seats, members threaded into the holes and having tapered portions seating in the tapered seats and tapered apertures, tapered perforate seats in the base plate, sight supporting members having tapered portions seatable in the perforate seats and having non-tapered threaded portions extending therebelow, and members threading to said threaded portions securing the sight support members to the base plate.

4. The invention as set forth in claim 3 wherein one of the last mentioned seats is elongated transversely of the base plate to allow for transverse adjustment of the sight supporting member relative to such base plate.

HARRY V. DOE.