L. O. WRIGHT.

REAR SIGHT HOLDER FOR MILITARY RIFLES.

APPLICATION FILED MAY 28, 1918.

1,291,692. Patented Jan. 14, 1919.

Fig. 1

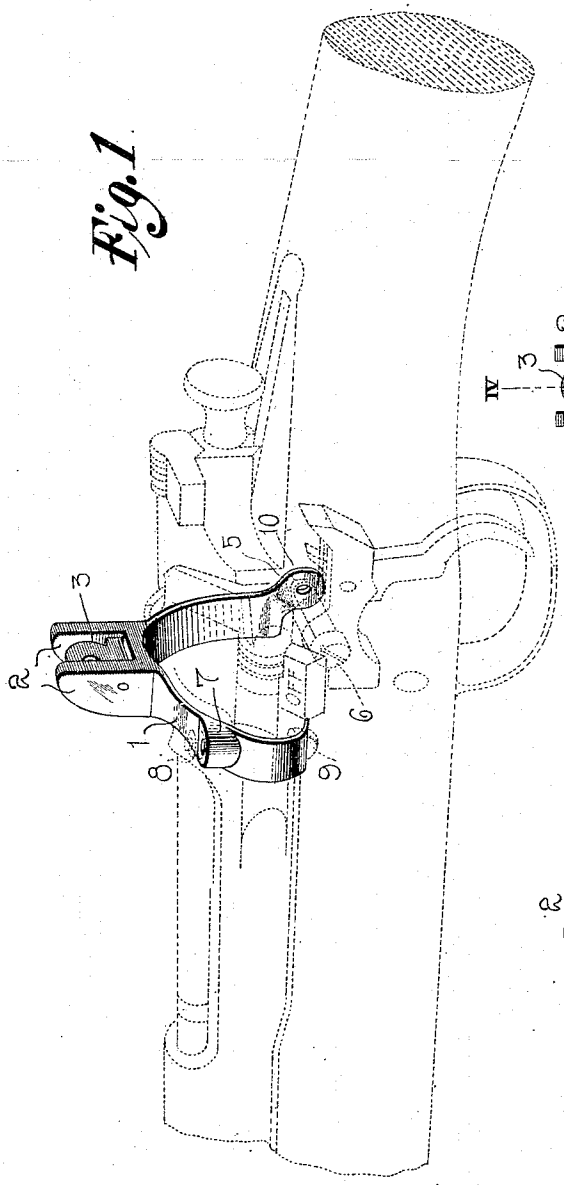


Fig. 3

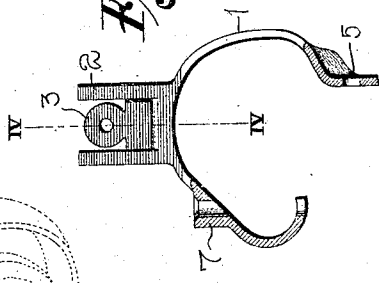


Fig. 4

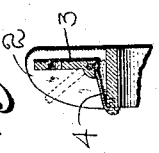
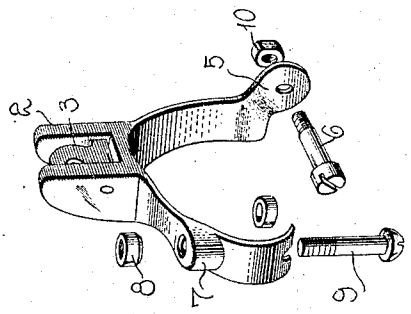


Fig. 2



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UNITED STATES PATENT OFFICE.

LEE O. WRIGHT, OF THE UNITED STATES ARMY, ASSIGNOR TO C. C. WILLIAMS, ACTING CHIEF OF ORDNANCE, UNITED STATES ARMY, TRUSTEE.

REAR-SIGHT HOLDER FOR MILITARY RIFLES.

1,291,692. Specification of Letters Patent. Patented Jan. 14, 1919.

Application filed May 28, 1918. Serial No. 237,100.

(Filed under the Act of March 3, 1883, 22 Stat. L., 625.)

To all whom it may concern:

Be it known that I, LEE O. WRIGHT, major, Ordnance Department, United States Army, a citizen of the United States, stationed at Washington, District of Columbia, in the office of the Chief of Ordnance, have invented an Improvement in Rear-Sight Holders for Military Rifles, of which the following is a specification.

The invention described herein may be used by the Government, or any of its officers or employees in prosecution of work for the Government, or by any other person in the United States, without payment of any royalty thereon.

This invention generically relates to improvements in rear sight holders designed for military rifles of the bolt action type, special reference being had to the United States rifle, model of 1903. An object of the invention is the provision of a holder which utilizes existing parts of the rifle to secure it in position, and which is held by pins functioning as the sear and ejector pins. The holder is mounted on the receiver bridge over the well of the bolt, and the sight is thus nearer the eye than in the usual arrangement.

A convenient embodiment of the invention is shown in the accompanying drawings wherein:

Figure 1 is a view showing the invention applied to the rifle;

Fig. 2 is a perspective view of the invention showing the various members disassembled;

Fig. 3 is an elevation of the sight and holder, partly in section, showing the shape of the yoke arms; and

Fig. 4 is a transverse vertical section on the line IV—IV of Fig. 3.

In its illustrated embodiment this invention comprises a yoke shaped strap 1 having vertically arranged upstanding ears 2, mounted on the receiver bridge over the well for the usual bolt as shown in Fig. 1, leaving the bolt handle free immediately to the rear of the sight.

Although any desired form of sight may be used, for descriptive purposes there is shown a leaf 3, pivoted between the ears 2, the leaf being frictionally maintained in either its vertical or horizontal position by means of a light, flat spring 4, secured at one end to the strap and bearing against the lower end of the leaf.

The lower right hand end of the yoke is formed with an inturned and rearwardly extending off-set 5, the latter having an opening to take the screw-threaded reduced end of the sear pin 6 of the rifle. The left hand arm of the yoke has an outward hump provided to encompass the swelling in the rifle, housing the usual ejector. Above the hump a lug 7 is sweated or otherwise secured to the strap 1, providing a seat for the nut 8, coöperating with the screw thread on the ejector pin 9 in securing the device in place. The end of the left arm of the strap is notched so as to straddle the pin 9 and bear against the head thereof when in place. A nut 10 screwed to the end of the sear pin completes the holding means.

A sight holder made in accordance with this invention, it will be noted, may be quickly assembled, is simple in construction and comprises but few parts, as it utilizes the existing component arrangement of the rifle. Further, by utilizing the sear and ejector pins of the rifle mechanism in order to fasten the sight holder in place, it is unnecessary to tap any part of the receiver thereby permitting the device to be attached to existing rifles without weakening the construction.

The device enables the use of a sight situated nearer the eye than usual, which facilitates rapid picking up of the sights and also the further advantage of greater accuracy in the aiming of the piece due to a greater distance between the front and rear sights.

What I claim as new and desire to secure by Letters Patent is:

1. The combination of a rifle and its sear and ejector pins, and an attaching device for a rear sight, secured to the rifle by means of the pins.

2. The combination of a rifle and its sear pin, and an attaching device for a rear sight, secured to the rifle by means of said pin.

3. The combination of a rifle and its ejector pin, and an attaching device for a rear sight, secured to the rifle by means of said pin.

4. The combination of a rifle and its sear and ejector pins of a rear sight holder, and

means for positioning the latter in engagement with said pins.

5. The combination with a rifle having sear and ejector pins situated in intersecting planes, of a rear sight holder, and means for positioning the latter on the rifle in engagement with said pins.

6. In a rifle, the combination with its sear and ejector pins; of an attaching yoke; one arm being engaged by the sear, the other by the ejector pin; and a sighting device surmounting the yoke.

7. A rear sight holder for rifles consisting of a yoke shaped strap to embrace the bolt well, the intermediate portion thereof mounting the sight and the end arms having attaching means for securing the sight holder in place on a rifle, one of the arms of the yoke having an inturned, rearwardly extending offset with a hole therethrough and the other arm of the yoke having an outwardly bent portion and a slotted end, and a lug secured to the strap above the bent portion with a hole through the lug and strap in alinement with the slot in the end.

LEE O. WRIGHT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."