

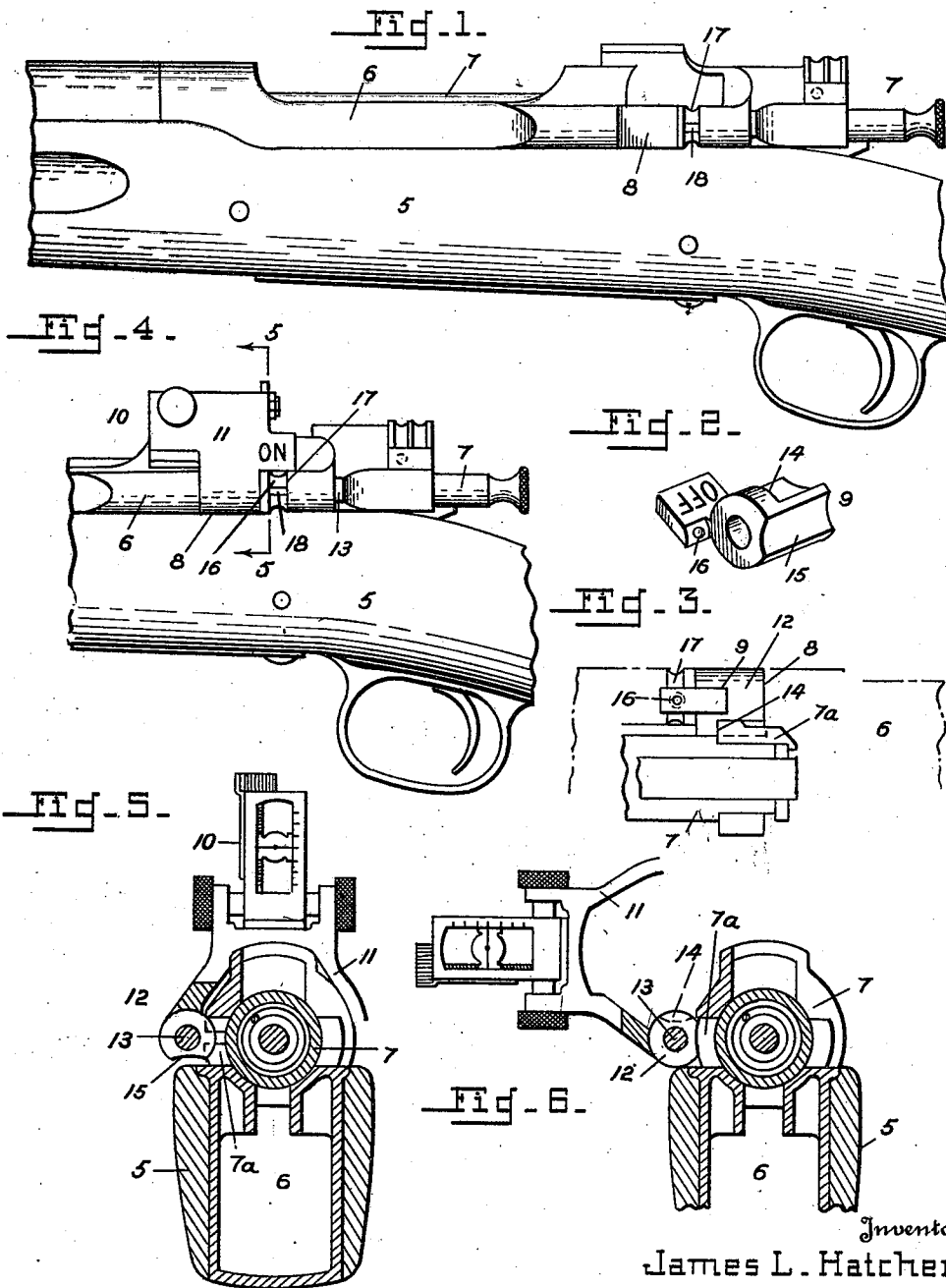
April 23, 1929.

J. L. HATCHER

1,710,222

SIGHT MOUNT FOR GUNS

Filed June 21, 1926



Inventor
James L. Hatcher

W. N. Roach.

Attorney

UNITED STATES PATENT OFFICE.

JAMES L. HATCHER, OF THE UNITED STATES ARMY, WINCHESTER, VIRGINIA.

SIGHT MOUNT FOR GUNS.

Application filed June 21, 1926. Serial No. 117,650.

(GRANTED UNDER THE ACT OF MARCH 3, 1883, AS AMENDED APRIL 30, 1928; 370 O. G. 757.)

The invention described herein may be manufactured and used by or for the Government for governmental purposes without the payment to me of any royalty thereon.

5 This invention relates to a sight mount for rifles.

In military rifles of the reciprocating bolt type there is usually provided a small hinged stop in the receiver which normally limits rearward movement of the bolt in the operation of extracting and loading and which may be moved into position to permit removal of the bolt from the gun.

15 The present invention contemplates a pivoted sight, the base conforming to the contour of the receiver and including an integral stop which is arranged to limit movement of the bolt when the sight is in position and which permits removal of the bolt when the sight is swung out of position. No special provision is required for mounting the base plate and the sight may be readily applied to the standard service rifle now in use by simply removing the bolt stop and attaching the sight base by replacing the hinge pin.

25 With these and other objects in view, my invention resides in the novel arrangement and combination of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention may be made within the scope of what is claimed without departing from the spirit of the invention.

35 A practical embodiment of my invention is illustrated in the accompanying drawings, wherein:

Fig. 1 is a fragmentary view in side elevation of the receiver portion of the standard service rifle showing the provision for mounting a bolt stop;

Fig. 2 is a detail view of the standard bolt stop;

45 Fig. 3 is a fragmentary plan view of the bolt and bolt stop;

Fig. 4 is a view similar to Fig. 1 with a sight base constructed in accordance with the invention in place thereon;

50 Fig. 5 is a transverse sectional view on the line 4-4 of Fig. 4;

Fig. 6 is a similar view showing the sight in inoperative position.

Referring to the drawings by numerals of reference:

There is shown in Fig. 1 a standard service rifle 5 provided with the usual receiver 6 in which reciprocates a bolt 7 carrying the firing pin and functioning in a well known manner to ram a cartridge into the chamber and to extract the empty case. The rear portion of the receiver is provided at one side with a slot or cut out portion 8 in which is hinged a bolt stop 9 (Fig. 2) which is movable into a position to enable the bolt to be removed from the gun.

65 In Fig. 4 there is shown a receiver sight 10, the base 11 of which is formed to straddle the receiver, its under face conforming to the contour thereof. One leg of the base is provided with a foot bearing 12 which may be, 70 and in the present instance is identical with the standard bolt stop shown in Fig. 2 and fits into the slot 8 where it is held by the hinge pin 13. The foot is of cylindrical shape and when the sight is in operative position projects within the receiver where a shoulder portion 14 is disposed in the path of the stop lug 7^a on the bolt. The foot is formed with a longitudinal groove 15, which, when the sight is swung down is presented to the inside of the receiver in a manner to receive the bolt lug and permit removal of the bolt. 80

For the purpose of holding the sight in adjusted position there is mounted in the base 11 a spring pressed plunger 16 which rides in a groove 17 in the receiver and engages in the recesses 18.

I claim:

1. In a gun, a receiver provided with a slot, a bolt reciprocable in the receiver, a sight base conforming to the contour of the receiver, a foot bearing constituting a bolt stop integral with the base and receivable in the slot in the receiver and a plunger mounted in the base and engaging the receiver to hold the base in position. 95

2. In a gun, a receiver provided with a slot, a bolt reciprocable in the receiver, a sight base conforming to the contour of the receiver and having an extremity receivable in the slot in the receiver, said extremity constituting a bolt stop and means for hingedly securing the base to the receiver. 100

3. In a gun, a receiver, a bolt reciprocable

in the receiver and a sight base hinged to the receiver, said base having a portion which prevents removal of the bolt when the sight base is in place on the receiver and permits
5 removal of the bolt when the sight base is moved off the receiver.

4. In a sight, a base adapted for hinged at-

tachment to a rifle and provided with a bolt stop adjacent the point of attachment.

5. The combination with a bolt action rifle, 10 of a sight mount hinged to the rifle and having a foot portion movable into and out of the path of the bolt.

JAMES L. HATCHER.