C. SCHULZE.

FIREARM.

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1,220,693. Patented Mar. 27, 1917.

Fig. 1.

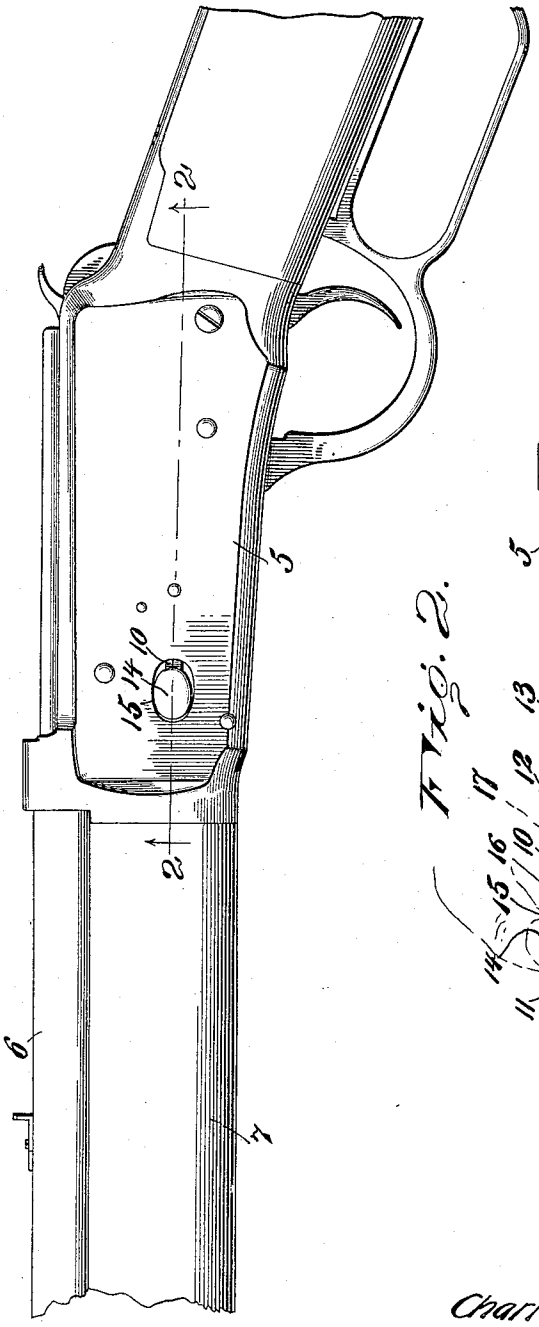
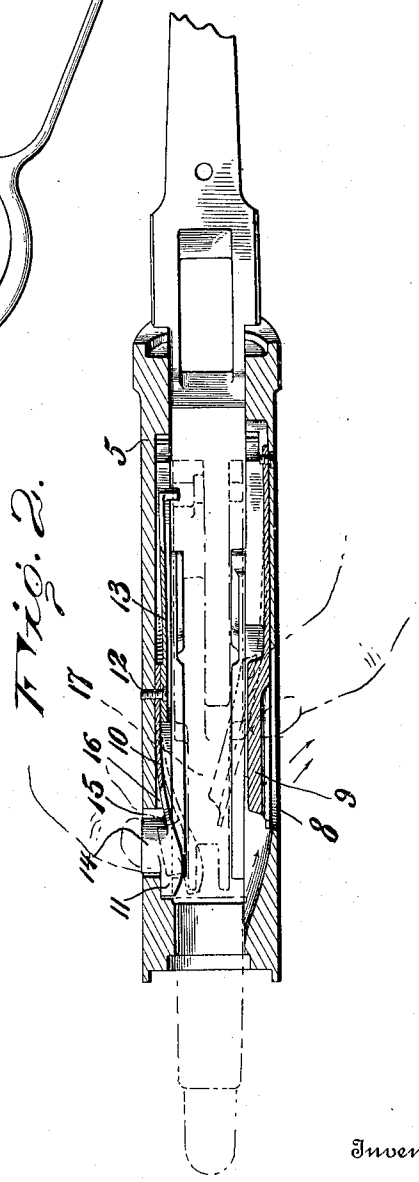


Fig. 2.



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UNITED STATES PATENT OFFICE.

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FIREARM.

1,220,693. Specification of Letters Patent. Patented Mar. 27, 1917.

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To all whom it may concern:

Be it known that I, CHARLES SCHULZE, a citizen of the United States, residing at Rice Lake, in the county of Barron and State of Wisconsin, have invented certain new and useful Improvements in Firearms, of which the following is a specification.

This invention relates to magazine firearms and has for its object to provide a novel and improved means for unloading the same.

The invention is applicable more particularly to repeating rifles in which the cartridges are inserted into the magazine through an opening in the side of the rifle chamber, this opening being utilized for the removal of the unused cartridges from the magazine.

The invention also has for its object to provide a device of the kind stated which is efficient and reliable in operation, and which can be readily applied to the rifle without any changes in the structure of the action or other parts of the rifle.

With the objects stated in view, the invention consists in a novel combination and arrangement of parts to be hereinafter described and claimed, and in order that the same may be better understood, reference is had to the accompanying drawing forming a part of this specification.

In the drawing, Figure 1 is a side elevation showing the application of the invention, and Fig. 2 is a section on the line 2—2 of Fig. 1.

Referring specifically to the drawing, 5 denotes the receiver or chamber of a repeating rifle, from which extend the barrel 6 and the magazine 7, the latter being located beneath the barrel and extending parallel thereto. The receiver has a charging opening 8 in one side through which the cartridges are introduced for insertion into the magazine. The opening 8 is provided with the usual inwardly swinging closure 9 which is resilient. The receiver incloses the action, and as the latter forms no part of the present invention, it need not be described. It may be stated however that the invention is applicable more particularly to the wellknown "Winchester" repeating rifle.

As stated, the invention has for its object to provide a device whereby the rifle may be readily unloaded, this being effected by the following means:

On that side of the receiver opposite the side having the charging opening 8, and inside the receiver, is mounted a cartridge deflector, the same consisting of a resilient shank 10 having at its forward end a head 11, and being secured at its rear end to the side wall of the receiver by the screw 12 which fastens the carrier spring 13 to said wall, the rear end of the shank seating under the fixed end of the spring. The fixed end of the shank 10 is thin so that no change in the structure or location of the carrier spring is necessary. One side of the head 11 has a lug 14 which projects through an aperture 15 in the aforesaid wall of the receiver to the outside of the latter, the deflector being operated by pressing inward on the lug.

The head 11 is directly opposite the opening 8, and behind the rear end of the magazine 7, so that it may intercept the cartridges as they are discharged rearward from the magazine into the receiver 5. Normally, the head 11 is out of the path of the cartridges, so that it does not interfere with the same when they are carried from the magazine to the barrel 6 to be fired, the spring shank 10 holding the head close to the wall of the receiver.

When the unused cartridges are to be discharged from the magazine, the operator needs only to press inward on the closure 9 and the lug 14. The head 11 pushes the cartridges sidewise to the opening 8, through which latter they are ejected by the magazine spring. It will be noted that the head 11 is located ahead of the forward end of the closure 9, and nearer to the rear end of the magazine 6 than the latter, which assures the lateral deflection of the cartridges to the opening 8, and prevents the cartridges from entering the receiver chamber. The wall of the receiver 5 is recessed, as shown at 16, to accommodate the deflector, and to give clearance to the carrier 17.

I claim:

1. In a firearm having a receiver and a magazine opening thereinto, the receiver having an opening in its side through which the cartridges are inserted in charging the magazine, and a closure for said opening; a cartridge deflector in the receiver on the side opposite the one having the opening,

said deflector being movable to intercept the cartridges passing from the magazine into the receiver and to deflect the same toward the opening.

2. In a firearm having a receiver and a magazine opening thereinto, the receiver having an opening in its side through which the cartridges are inserted in charging the magazine, and a closure for said opening; a cartridge deflector in the receiver on the side opposite the one having the opening, said deflector having a resilient shank and being movable to intercept the cartridges passing into the receiver from the magazine and to deflect the same toward the opening.

3. In a firearm having a receiver and a magazine opening thereinto, the receiver having an opening in its side through which the cartridges are inserted in charging the magazine, and a closure for said opening; a cartridge deflector in the receiver on the side opposite the one having the opening, said deflector being movable to intercept the cartridges passing into the receiver from the magazine and to deflect the same toward the opening, the side of the receiver on which the deflector is mounted having an opening and the deflector having an actuating lug on its side passing through said opening to the outside of the receiver.

4. In a firearm having a receiver and a magazine opening thereinto, the receiver having an opening in its side through which the cartridges are inserted in charging the magazine, and a closure for said opening; a cartridge deflector in the receiver on the side opposite the one having the opening, said deflector having a resilient shank and being movable to intercept the cartridges passing into the receiver from the magazine and to deflect the same toward the opening, the side of the receiver on which the deflector is mounted having an opening and the deflector having an actuating lug on its side passing through said opening to the outside of the receiver.

In testimony whereof I affix my signature.

CHARLES SCHULZE.

Witnesses:
EMMERT E. QUINN,
A. K. MICHAELSON.

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