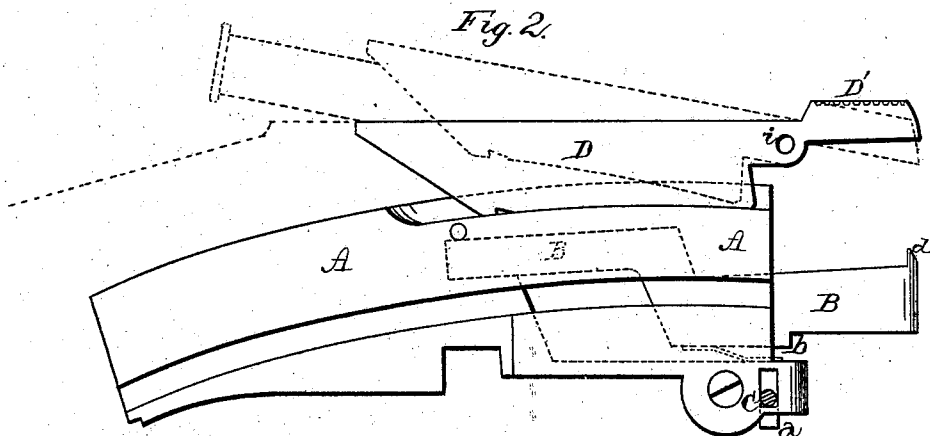
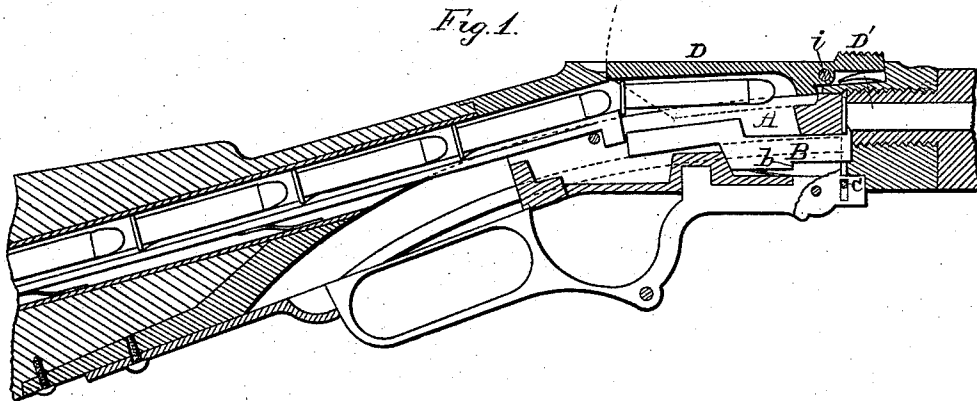


R. S. CHAFFEE.  
Magazine Fire-Arm.

No. 212,657.

Patented Feb. 25, 1879.



Witnesses:

*J. W. Garner*  
*W. S. D. Maines*

Inventor:  
*R. S. Chaffee*  
per  
*F. A. Lehmann,*  
Atty.

# UNITED STATES PATENT OFFICE.

REUBEN S. CHAFFEE, OF SPRINGFIELD, ILLINOIS, ASSIGNOR OF ONE-HALF HIS RIGHT TO J. N. REECE, OF SAME PLACE.

## IMPROVEMENT IN MAGAZINE FIRE-ARMS.

Specification forming part of Letters Patent No. **212,657**, dated February 25, 1879; application filed December 19, 1878.

*To all whom it may concern:*

Be it known that I, REUBEN S. CHAFFEE, of Springfield, in the county of Sangamon and State of Illinois, have invented certain new and useful Improvements in Magazine Fire-Arms; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to magazine fire-arms, and is intended partially as an improvement upon Letters Patent No. 161,480, granted to me March 30, 1875; and it consists in the construction of the cut-off or receiver and of the extractor, and also in combining with the extractor a mechanism for shortening its stroke, whereby the magazine may be cut off, to be held in reserve, while the arm may be still used as a single breech-loader, as will be hereinafter more fully set forth.

The annexed drawings, to which reference is made, fully illustrate my invention.

Figure 1 is a vertical sectional view of my invention, shown in connection with the magazine in the breech. Fig. 2 is an enlarged detached view of the same.

In a magazine fire-arm of the class to which my invention appertains there are used two loading-bars, one of which is stationary and holds the cartridges in position, while the other has a backward and forward motion, corresponding with the action of the breech-block as it travels back and forth.

A represents the breech-block, constructed and operating substantially in the same manner as described in my former patent, above referred to.

B is the extractor or finger, which slides in grooves in the side of the breech-block.

In the lower edge of the extractor or finger B is a shoulder or offset, *b*, and in the front end of the breech-block, below the extractor, is a slide, *a*, capable of vertical movement, and held either up or down by means of a set-screw, C.

It will readily be understood that if the

slide *a* be raised the shoulder *b* on the extractor will come in contact therewith and stop the movement of the extractor, thus shortening its stroke, and by moving the slide down out of the way of the shoulder *b* will lengthen the stroke.

By this means I can lengthen or shorten the movement of the extractor or finger, which is in combination with the movable loading-bar, and so cut off the communication with said sliding bar or the magazine, so as to hold the magazine in reserve and still use the gun as a single breech-loader, having in reserve the magazine for close quarters.

By pushing up the slide *a* it will connect the loading-bar with the magazine, and the action of the breech-block back and forth will put a cartridge in the receiver, which will drop in front of the block on its backward motion, carrying the loading-bar with it, and as it goes forward will put another in the receiver, and so on until all the cartridges are exhausted.

It will be seen that by shortening the stroke or travel of the loading-bar I keep it from passing under and back of the rims of the cartridges, so that it will not bring any cartridges forward; and by using a slide or thumb-screw to shorten or lengthen the travel of the extractor or finger, which works in connection with the hook on the loading-bar, it governs the downward travel of said loading-bar, and so can be made to use or cut off the magazine.

The finger B is made strong and sharp at *d* on the hook that fits the shell, thus making it an extractor and finger both.

D represents the cut-off or receiver at the front end of the magazine, for the purpose of holding and forcing the cartridge in front of the breech-block as it passes downward. This receiver is pivoted at *i* a suitable distance from the end, so as to leave a projecting finger-piece, D', at the front end. By pressing on this finger-piece the rear end of the receiver will rise in front of the magazine, so that a cartridge can be inserted, making a single breech-loader when the magazine is cut off, as above described.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The slide *a*, having the clamping-screw C to hold it in position, in combination with the movable breech-block A and the sliding finger B, having the shoulder *b*, in front of which the slide catches, so as to shorten the movements of the finger B, substantially as shown and described.

2. The receiver D, pivoted at *i*, and provided

at its front end with the projecting finger-piece D', substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 13th day of December, 1878.

REUBEN S. CHAFFEE.

Witnesses:

A. LEIBER,

JNO. M. ADAIR.