

A. BURGESS.

Magazine Fire-Arms.

No. 134,589.

Patented Jan. 7, 1873.

Fig. 1.

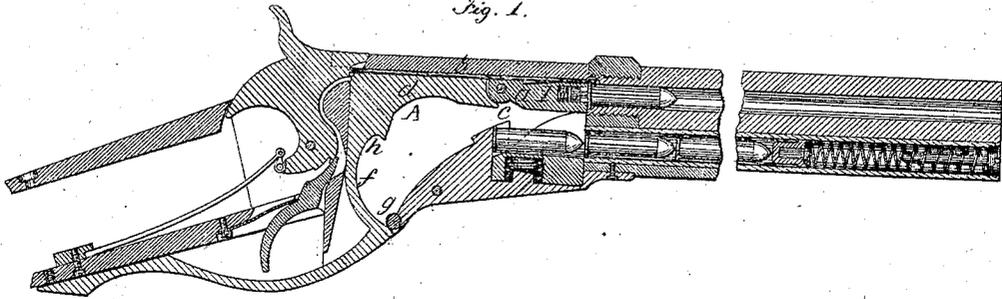


Fig. 2.

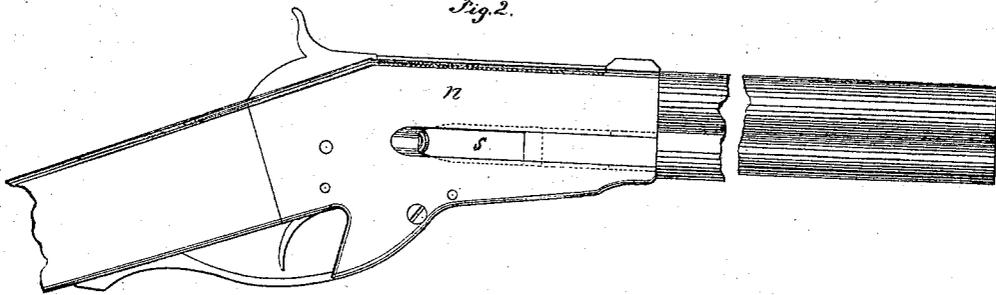


Fig. 3.



Fig. 4.



Fig. 5.



WITNESSES:

Henry Sauter.

Max. Frank.

INVENTOR:

Andrew Burgess
by his Atty
Chas. Everett

UNITED STATES PATENT OFFICE.

ANDREW BURGESS, OF HARTFORD, CONNECTICUT.

IMPROVEMENT IN MAGAZINE FIRE-ARMS.

Specification forming part of Letters Patent No. 134,589, dated January 7, 1873.

To all whom it may concern:

Be it known that I, ANDREW BURGESS, of Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Magazine or Repeating Fire-Arms; and I do hereby declare that the following is a full, clear, and exact description thereof that will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing and to the letters of reference marked thereon which form a part of this specification.

Figure 1 is a longitudinal section; Fig. 2, a side view; Fig. 3, a longitudinal section of the slide *s*; Fig. 4, a transverse section of Fig. 3; and Fig. 5, a transverse section of the carrier-block.

My invention relates to certain improvements in magazine or repeating fire-arms, as herein set forth.

A is the breech-block, which is formed in two parts, jointly, together at C. The forward part *a* is provided with an extractor rigidly attached to the under side of the sliding cover or plate *b*. This cover, working in guides in the top of the bed-piece, guides the forward part *a* of the breech-block in a plane parallel to the axis of the bore. The rear part *d* of the breech-block is turned downward at a right angle, and then continued backward to form the guide-lever *e*, by which it is operated. It is, in operation, guided to a vertical direction by the rear termination of the opening in the bed-piece, in conjunction with its elliptical curved part *f*, which comes in contact with the screw or shoulder at *g*, on which it slides, until it has attained the extreme part of the curve *f*, at which point the guard-lever swings until the breech is fully opened. I is an ejector for the purpose of throwing out the cartridge-case. It is placed in the face of the breech-block, and consists of a pin actuated by the reaction of a coiled spring, which is compressed by the resistance of the head of the cartridge, when the breech-block is closed. The carrier-block B is provided with a bent

lever, *l*, which is pivoted at the angle, the longer vertical arm closing in upon the cartridge when the block B rises to a level with the chamber. This is effected by the shorter arm striking the projection *m* in the interior of the bed-piece *n* in the side opposite to the longer arm. The carrier-block B has a groove, which allows it to pass clear of said projection until the short arm of the lever *l* strikes said projection.

The magazine is loaded by inserting the cartridges into an opening in the side of the bed-piece *n*. This opening is provided with the spring-slide *s*, which is closed by the reaction of a spring contained in a groove in the bed-piece, protected by its cover S.

To prevent the coils of the spiral spring in the magazine from being compressed injuriously upon each other, a short rod is extended inwardly from the screw, closing the muzzle, of sufficient length to retain the follower before the magazine is entirely filled.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The forward part *a* of the jointed breech-block, combined with and guided by the sliding cover *b*, to which it is attached, substantially as described.
2. The combination of the elliptical curve *f* with the rear termination of the opening in the bed-piece, and the shoulder *g*, as a means of operating the breech-block, as set forth.
3. The bent lever *l*, when operated by the projection *m* and combined with the carrier-block B, in the manner and for the purpose described.
4. The sliding cover S, when combined with the spring *t* and loading-aperture of a magazine-gun, in the manner and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 8th day of November, 1872.

ANDREW BURGESS.

Witnesses:

CHARLES EVERETT,
J. W. MISTER.