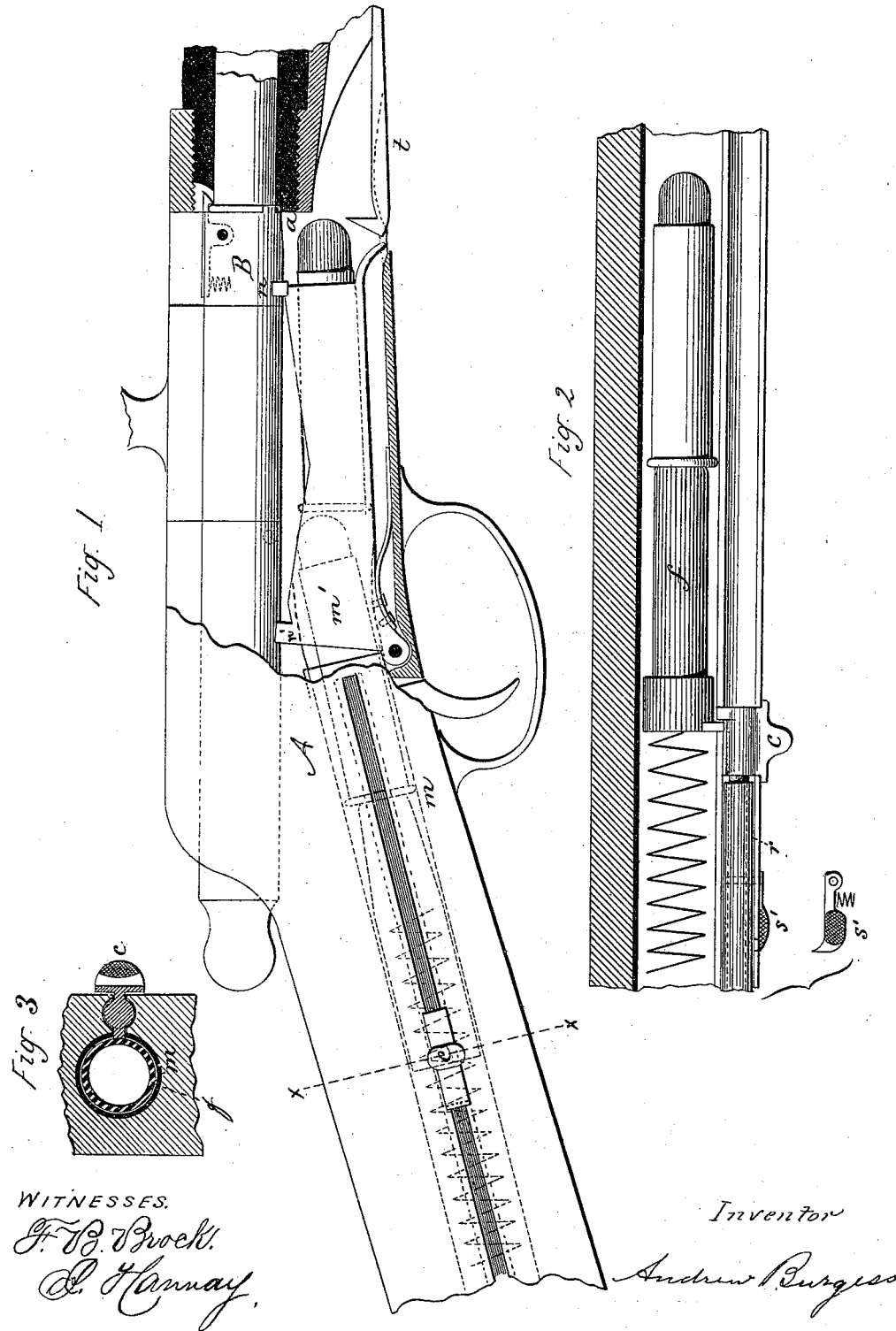


A. BURGESS.
Magazine-Gun.

No. 210,295.

Patented Nov. 26, 1878.



WITNESSES.
F. B. Brock.
C. Hannay.

Inventor
Andrew Burgess

UNITED STATES PATENT OFFICE.

ANDREW BURGESS, OF OWEGO, NEW YORK.

IMPROVEMENT IN MAGAZINE-GUNS.

Specification forming part of Letters Patent No. **210,295**, dated November 26, 1878; application filed November 19, 1878.

To all whom it may concern:

Be it known that I, ANDREW BURGESS, of Owego, county of Tioga, State of New York, have invented a new and useful Improvement in Magazine Fire-Arms, of which the following is a specification:

My improvement is applied to the well-known "bolt" guns; and consists, principally, in the arrangement of the magazine and the general operation and combination of parts hereinafter more fully set forth and described, reference being had to the accompanying drawings.

Similar letters of reference indicate corresponding parts.

Figure 1 is a side view, showing the arm with a part of the frame cut away; Fig. 2, a top view in section of part of the magazine, showing the spring-compressor. Fig. 3 is a section of same on line *x x*.

In Fig. 1, A is the frame of the arm; B, a reciprocating block or bolt; *m*, the magazine; *m'*, the jointed vibrating extension of the magazine. *c* is the spring-compressor; *f*, the follower; *r*, the rod for closing the magazine-opening; and *t* is a stop in the opening through which the magazine is loaded.

The magazine is placed in the butt-stock, and, being jointed near its forward end, extends into the frame and under the breech-bolt. This hinged extension reaches forward nearly but not quite to the abutment *a* under the face of the breech-bolt, and acts as a carrier to lift the feeding-cartridge to the barrel.

The butt-stock has a longitudinal opening extending into the magazine, for the reception of the spring-compressor *c*, which has a thumb-piece on the outside of the stock, and a stud to engage a corresponding projection on the follower, as shown in Fig. 2. The opening or slot in the stock has grooves to guide a rod or ribbon, *r*, which, being pushed in from the butt, closes the opening in the stock and drives the thumb-piece forward.

To operate an arm provided with these improvements, the magazine may be loaded by pushing the butts of the cartridge, through the trap *t*, forcing back the follower and spring with them, or more easily by first forcing back the follower by the thumb-piece *c*, when the

spring-catch *s'* will hold it back and keep the magazine-spring compressed, so that the cartridges will drop freely into the magazine; or they may be all fed in at once by a tube through the trap *t*. The thumb-piece *c* may be then released and the rod *r* inserted to close the opening into the magazine. Now, when the breech is opened in the ordinary manner, the stud *n* on the bolt will strike the stud *n'* on the carrier, which, vibrating upward, will raise the point of the cartridge, and the spring of the magazine will force it instantly forward into the barrel, and the point of the next in the series will rest against the head of the first until the closing breech strikes the top of the carrier and forces it down behind the abutment *a*.

I cut out the top of the carrier, and prefer to make its sides thin and spring-tempered, so that when the breech is being closed, if the forward cartridge has not passed entirely into the chamber, but far enough to be engaged by the closing-bolt, that when the carrier is being forced down its sides may be sprung apart by the sides of the cartridge when it is entering the chamber. With this described form of carrier, having the top edges turned inward, when a cartridge springs forward into the barrel, the next one striking its point against the head of the first, is clasped by carrier, so that it may not glance up and out of the frame; and when using the arm as a single loader the cartridge is dropped on top of the carrier, which supports it as the bolt pushes it forward.

The joint in the magazine will not obstruct the passage back and forward of the cartridges if properly beveled out on the inside, or serrated so that the teeth may close past each other.

The rod *r* may be formed of a tube with a wire inside, which may be pulled out to extend it for use as an ordinary wiping or ram rod. Said rod may, when in position in the stock, be so long as to pass out through the butt-plate when the compressor is pushed back; but when fewer cartridges are required in the magazine the rod may be so short as not to pass through the butt.

Having thus described my invention, what

I claim as new, and desire to secure by Letters Patent, is—

1. The combination of the following elements, to wit: a magazine in the rear continuing under the bolt in a pivoted carrier, said carrier being hinged at its rear in line with the magazine, and operating to raise the cartridge to the barrel by the movement of the breech-bolt, and to form a direct passage to the chamber.

2. A cartridge-carrier pivoted at the front of the magazine, and forming a continuation thereof, said carrier having spring sides, as

described, to release the first cartridge and hold the next from expulsion by the magazine-spring, substantially as set forth.

3. The compressor *c*, operating through a slot in the magazine and in the stock from the outside, in combination with a rod or ribbon for closing said slot, substantially as specified.

ANDREW BURGESS.

Witnesses:

F. B. BROCK,
P. HANNAY.