

(No Model.)

A. E. WHITMORE.
Breech Loading Fire Arm.

No. 238,821.

Patented March 15, 1881.

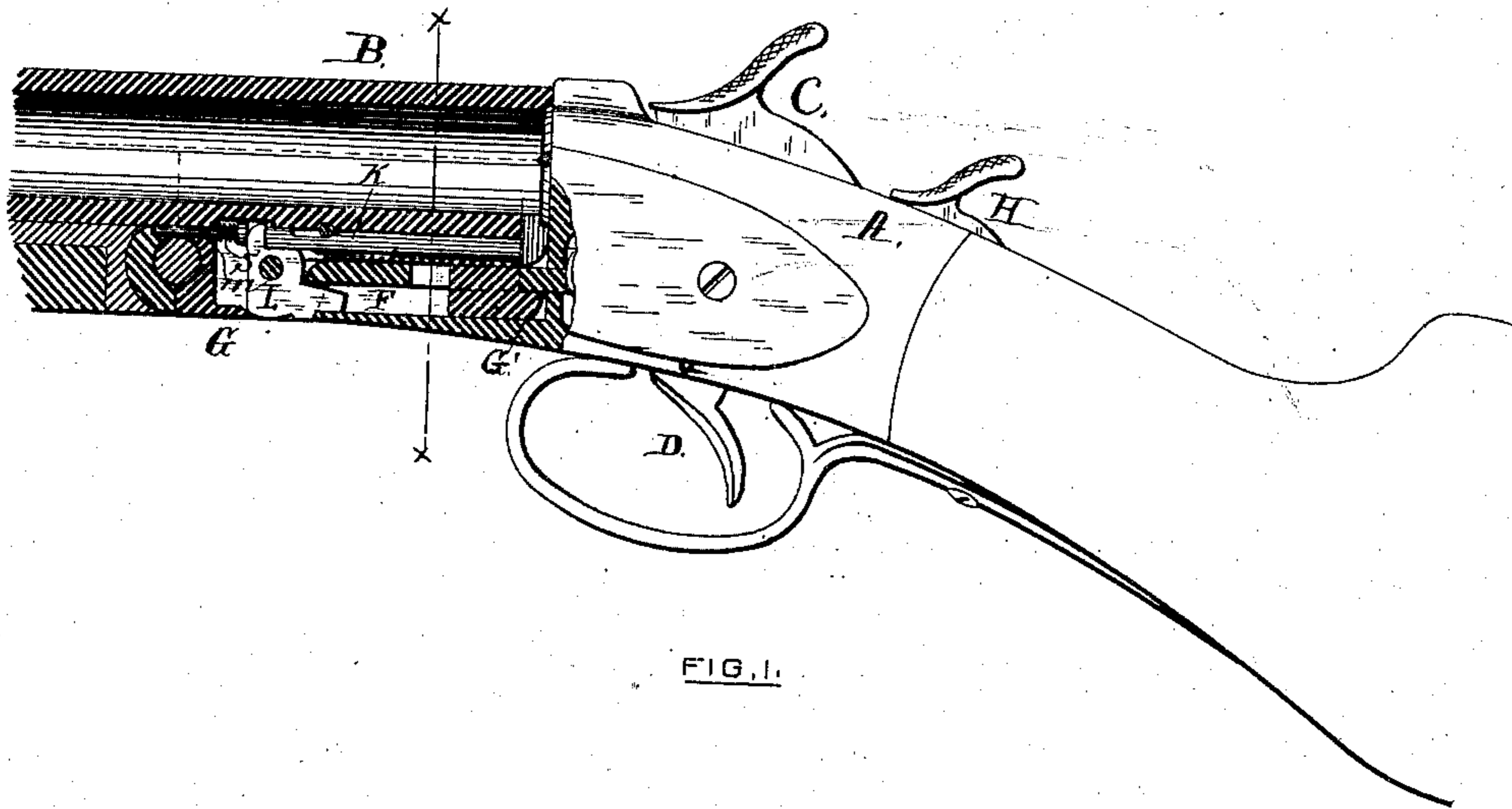


FIG. 1.

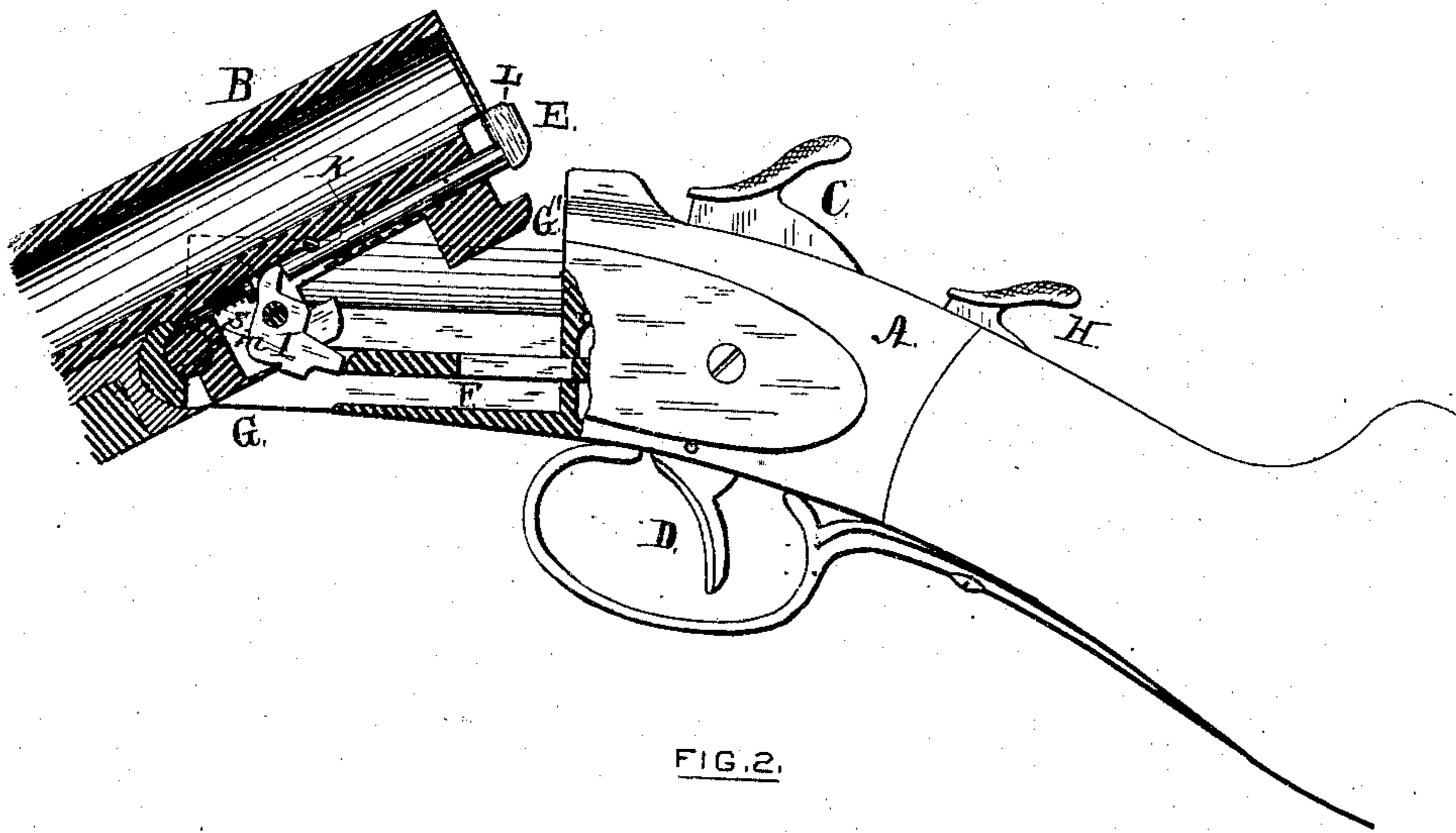


FIG. 2.

WITNESSES,

Charles H. Latus

Geo H. Palmer

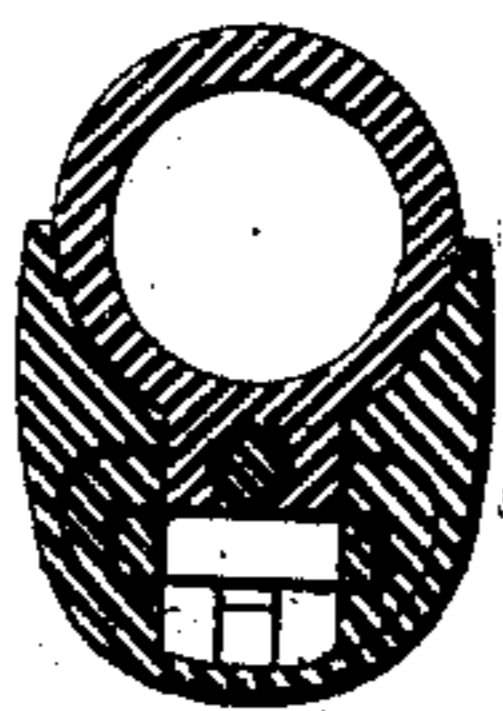


FIG. 3.

INVENTOR,

Andrew E. Whitmore

By atty. Walter A. Vincent

UNITED STATES PATENT OFFICE.

ANDREW E. WHITMORE, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO
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BREECH-LOADING FIRE-ARM.

SPECIFICATION forming part of Letters Patent No. 238,821, dated March 15, 1881.

Application filed September 16, 1880. (No model.)

To all whom it may concern:

Be it known that I, ANDREW E. WHITMORE, of Providence, in the State of Rhode Island, have made certain new and useful Improvements in Breech-Loading Fire-Arms; and I do hereby declare that the following specification, taken in connection with the drawings making a part of the same, is a full, clear, and exact description thereof.

Figure 1 is a section of the breech, showing the extractor-lever. Fig. 2 is a section of same, with the barrel tipped to receive a new cartridge. Fig. 3 is a cross-section on line *x x*.

The object of my invention is to provide a device superior to those now in use for expelling the old shell as the barrel is tipped to receive a new cartridge; and it consists in the mechanism hereinafter described.

In the drawings, Figs. 1 and 2, A is the lock-frame; B, the barrel; C, the hammer; D, the trigger; E, the cartridge-extractor; F, the locking-bolt, which works in horizontal grooves upon the inside of the frame A, to engage the lugs G G' and secure the barrel. H is a thumb-lever for withdrawing the locking-bolt F, and connected therewith by suitable mechanism. I is a lever for operating the extractor, and is constructed with two arms at right angles to each other.

The extractor E is attached to a rod, K, which extends forward, and is operated upon by the upper arm of the lever I. Back of this upper arm is a presser-rod, M, which bears against the arm of the lever. It is provided with a tension-spring, S, which tends always to keep it pressed against the arm of the lever, but will yield readily when necessary. This presser-rod and spring insures the proper action of the lever I, and forces it to its normal position whenever the opposing force is removed. This action prevents the lower arm of the lever I from getting into the wrong relative position to the locking-bolt F.

Having now described the several parts of my invention, I will proceed to describe its operation, commencing with the parts in the position shown in Fig. 1.

After the discharge of the piece the locking-bolt F, which locks the barrel, is withdrawn from the lugs G G' by the action of the hand upon the lever H. The travel of the locking-bolt is, however, limited to the distance required to clear the lugs G G', so that when the barrel is tipped to receive a new cartridge, as shown in Fig. 2, one arm of the lever I will come in contact with the locking-bolt F, which will result in depressing such arm. Such depression carries the other arm of the lever I toward the breech, at the same time sliding horizontally the rod K, and moving outward the extractor E, which is attached thereto. The extractor E, in its outward movement, comes in contact with the extended rim of the shell and removes it from the breech. A new cartridge is now placed in the breech, and forced in with the hand until the rim thereof rests in the depression L of the extractor E, when the barrel is brought back to its original position, as shown in Fig. 1. During the home-ward movement of the barrel the extractor E and the cartridge come in contact with the frame A and are forced inward, as shown in Fig. 1.

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

The combination of the lever I, having the two arms, with the locking-bolt F, arm K, provided with extractor E, and presser-rod M, provided with spring S, constructed as shown, and for the purpose set forth.

A. E. WHITMORE.

Witnesses:

WALTER B. VINCENT,
JOHN J. COLTON.