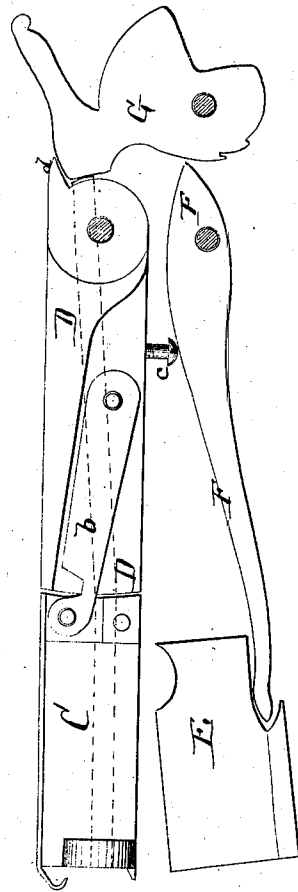
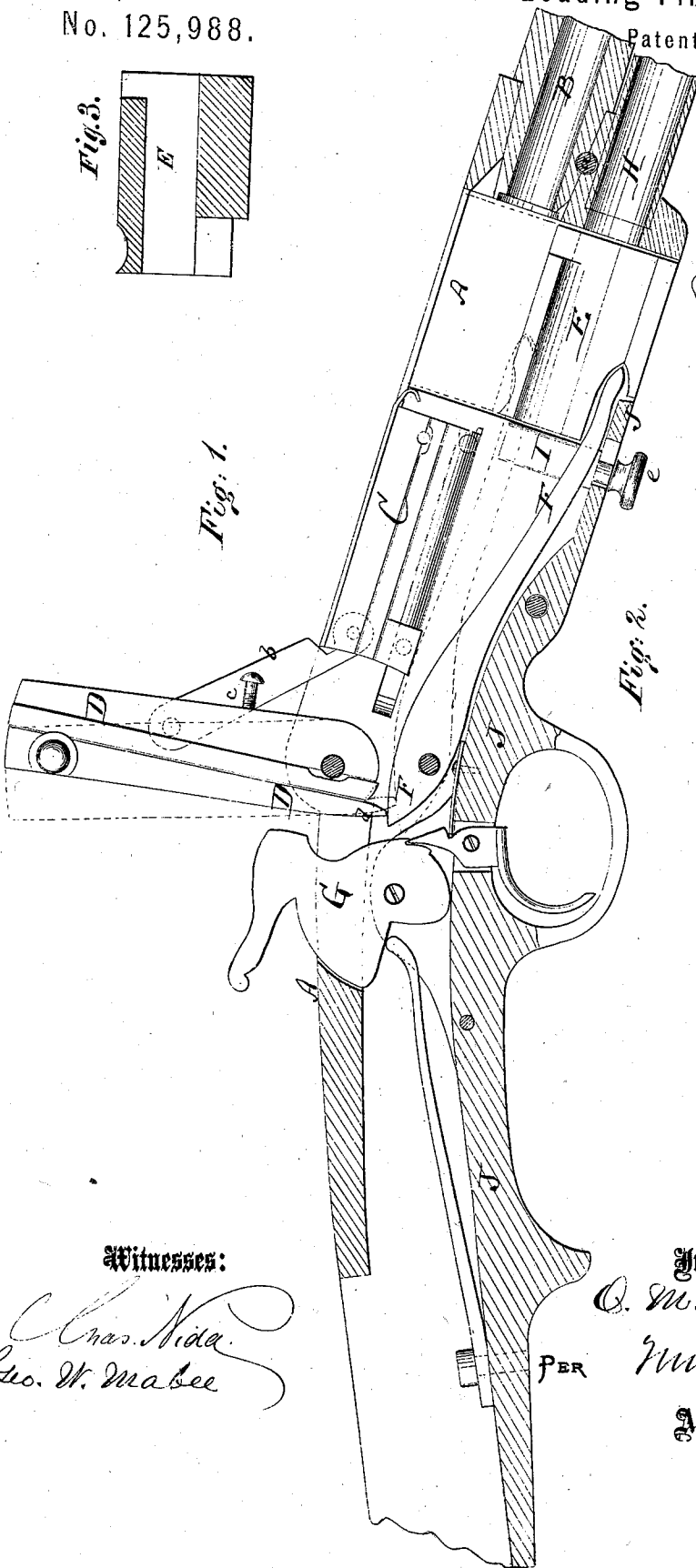
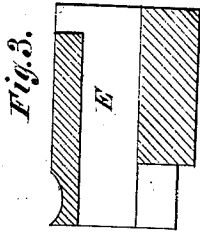


O. M. ROBINSON.

Improvement in Breech-Loading Fire-Arms.

No. 125,988.

Patented April 23, 1872.



Witnesses:

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UNITED STATES PATENT OFFICE.

ORVILL M. ROBINSON, OF PLATTSBURG, NEW YORK.

IMPROVEMENT IN BREECH-LOADING FIRE-ARMS.

Specification forming part of Letters Patent No. 125,988, dated April 23, 1872.

Specification describing a new and useful Improvement in Breech-Loading Fire-Arms, invented by ORVILL M. ROBINSON, of Plattsburg, in the county of Clinton and State of New York.

Figure 1 represents a longitudinal vertical section of my invention. Fig. 2 is a detail side view of the operating parts. Fig. 3 is a sectional elevation of carrier.

Similar letters of reference indicate corresponding parts.

The invention will first be fully described in connection with all that is necessary to a full understanding thereof, and then clearly pointed out in the claims.

A in the drawing represents the receiver of the fire-arm; B, the barrel of same. The barrel is inserted within the front part of the receiver and secured therein by means of a pin, *a*, which is conical, and serves to adjust the barrel with exactness to its position. C is the sliding breech and cartridge-extractor, made to slide within the receiver A, and connected at its rear end, by a link, *b*, with the breech-block D, which is pivoted at its back end, as shown. E is the carrier-block, fitted into the breech to slide up and down, and provided with recesses *e e' e''*. A pivoted lever, F, which extends back to near the hammer G, enters with its front end a notch in the carrier-block.

When the breech-block D is at the point of highest elevation it strikes the rear end of the lever F, and thereby causes the elevation of the carrier-block and the consequent ejection of any empty cartridge-shell that may have been withdrawn from the barrel by the extractor C during its backward motion. At the same time, if on a magazine-rifle, the block E elevates from the magazine H a full cartridge into line with the barrel. When the breech-block is next swung down the sliding breech-block pushes the new cartridge home into the barrel. The carrier then descends in line with the magazine to receive a new cartridge. The

descent of the carrier is effected by the lever F when struck by a projecting pin, *c*, of the breech-block.

When the rifle is not a magazine-rifle it will not be necessary to swing the breech-block so far back as to raise the carrier, as the new cartridge can be introduced by hand from above.

The discharge of the empty cartridge-shell may as well be carried out at the side as on top, in case an appropriate opening is made in the side of the breech.

The breech-brace D has a projecting tongue, *d*, at the rear end, under which the hammer fits when firing, as in Fig. 2. The hammer thereby locks all parts when firing. I is a pin projecting from the trigger-guard strap J, for the purpose of serving as a stop for the cartridge from the magazine to rest against.

As it may be necessary to use cartridges of greater or less length this stop I is made adjustable on the strap, so that it can be set more or less forward or back to accommodate cartridges of suitable length. For this purpose the pin is sustained by a thumb-screw, *e*, which presses through a slot in the trigger-guard strap.

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

1. A lever, F, and breech-block brace D *d*, combined with the notched carrier E, to raise it at the times and in the manner set forth.
2. The stud C, arranged on the breech-block brace D, in combination with lever F, for the purpose of depressing the latter, as set forth.
3. An adjustable stop, I, and slotted trigger-guard strap J, combined, as described, with the notched carrier E, to admit of different lengths of cartridge.

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Witnesses:

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