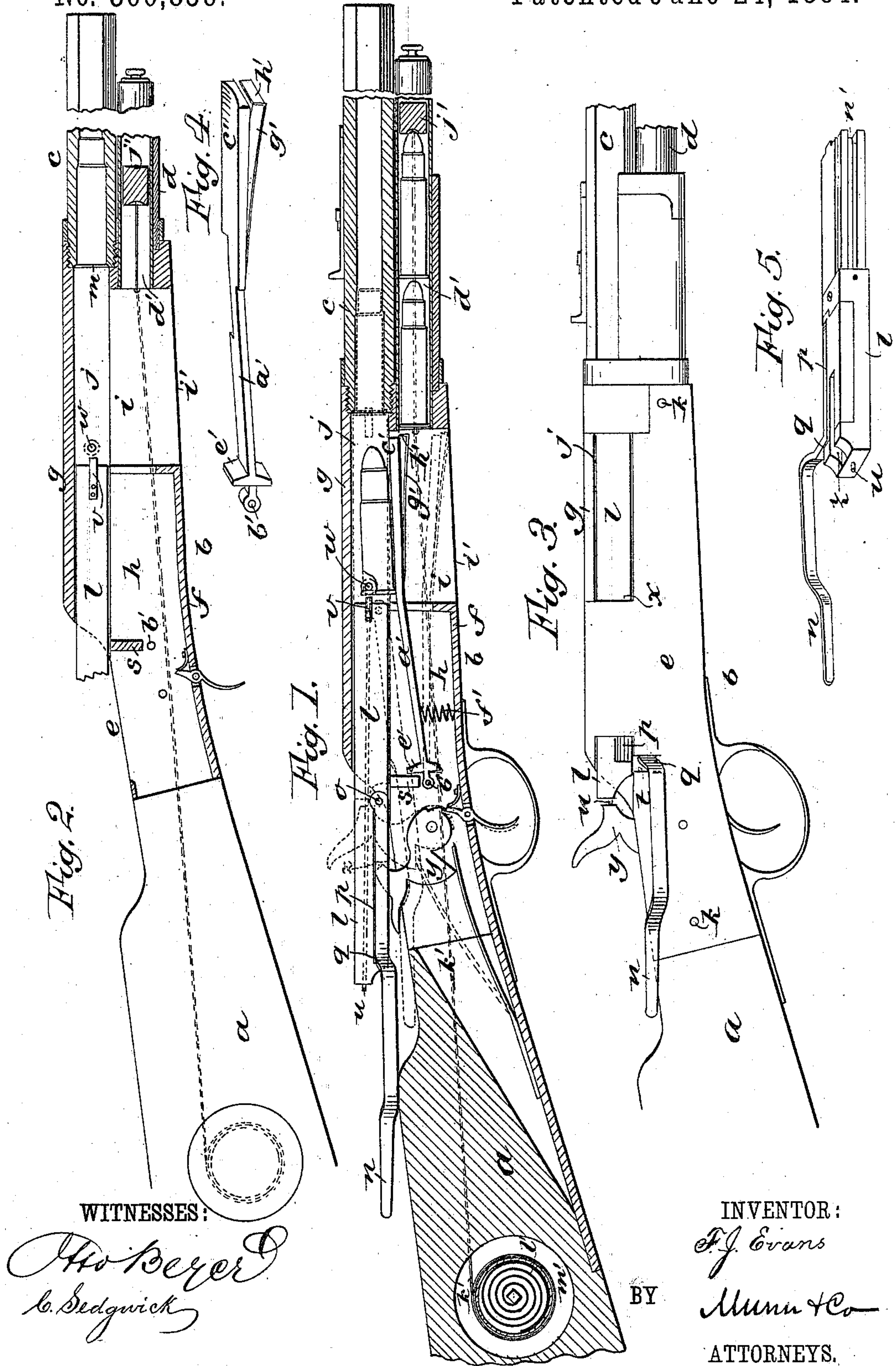


(No Model.)

F. J. EVANS.
MAGAZINE GUN.

No. 300,856.

Patented June 24, 1884.



WITNESSES:

Hooper
L. Sedgwick

INVENTOR:

F. J. Evans
Munn & Co

BY

ATTORNEYS.

UNITED STATES PATENT OFFICE.

FRANKLIN JAMES EVANS, OF IOWA FALLS, IOWA.

MAGAZINE-GUN.

SPECIFICATION forming part of Letters Patent No. 300,856, dated June 24, 1884.

Application filed January 7, 1884. (No model.)

To all whom it may concern:

Be it known that I, FRANKLIN J. EVANS, of Iowa Falls, Hardin county, Iowa, have invented a new and Improved Repeating-Rifle, of which the following is a full, clear, and exact description.

My invention relates to improvements in repeating-rifles; and it consists in the peculiar construction and arrangement of the parts, as hereinafter more fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a longitudinal section of my improved repeating-rifle. Fig. 2 is a longitudinal section of the breech and part of the barrel and magazine, showing the construction of the breech. Fig. 3 is a side elevation. Fig. 4 is a perspective view of the cartridge-lifter, and Fig. 5 is a perspective view of the breech-block inverted.

a represents the stock, *b* the breech, *c* the barrel, and *d* the magazine. The breech consists, essentially, of two side plates, *e*, bottom *f*, and cover *g*, inclosing breech-cavities *h*, *i*, and *j*, said side plates, *e*, being attached by screws *k*, which may be readily taken out, and the plates may be taken off whenever it may be required for any purpose. The cavity *j* of the breech is a slideway, in which the breech-block *l* is arranged to slide up to the end *m* of the barrel, to close the same for firing and to withdraw for opening the barrel to eject the shells and reload the barrel. The breech-block *l* has a lever, *n*, pivoted to it at *o* in a recess, *p*, along the lower right-hand corner of the block, which lever has an arm, *q*, which drops in front of the stop-bar *s* in the breech-cavity *h*, and locks the block in its position at the end of the barrel, to close the same for firing, the said arm projecting out through a notch, *t*, of the right-hand side plate of the breech, and extending backward along the side of the breech and the stock suitably for being raised to draw back the block to open the breech and eject the shell. The breech-block has a hole through it longitudinally, containing the firing-pin *u*, and it has a snap-hook, *v*, on the right-hand side of the front end, that

springs over the flange of the exploded shell and pulls the shell back along with the block, when it is pulled back until the flange of the shell strikes the stud-screw *w*, projecting from the inside of the left-hand side plate, *e*, of the breech, which flings the shells out through the opening at *x* through the right-hand side plate, *e*, of the breech. The breech-block *l* slides back over the hammer *y*, and pushes it back and automatically cocks it, said block having a groove, *z*, in the part which slides over and cocks the hammer, and said block also has a groove, *n'*, in the side, to clear the ejector-stud *w*.

The cartridge-lifter consists of a lever, *a'*, pivoted at *b'* in the breech-cavity *h* under the stop *s*, and extending along into cavity *i* under cavity *j*, where it terminates in a grooved holder, *c'*, which is held down by arm *q* of lever *n* below the level of the magazine-chamber *d'*, to receive the cartridge from said chamber when the breech-block is closed, said arm *q* resting on the top of the stud *e'*, projecting upward from lever *a'* in front of the stop *s*. A coiled spring, *f'*, is fitted under the lever *a'*, to raise the cartridge up into cavity *j* after the lever *n* is raised, and as soon as the exploded shell has been ejected by hook *v* and stud *w*. The cartridge-lifter *a'* has a stop-spring, *g'*, fitted to its lower side, which swings up along the end of the magazine-chamber when the lifter is raised, and prevents the cartridges from escaping by its flanged end *h'*, which ranges in front of the magazine when the lifter is up. The breech has an opening at *i'* through the bottom into cavity *i*, through which the cartridges are to be supplied to the magazine, and the magazine has a follower, *j'*, which is connected by a cord, *k'*, with a spring-barrel, *l'*, in the cavity *m'* in the stock *a*, which draws the cartridges down to and on the lifter *c'*, when said lifter is pressed down by the lever-arm *q*.

The gun may be loaded by inserting the cartridges one at a time through the ejecting-opening *x* into cavity *j* in front of the breech-block without using the magazine in case it may be desired to do so for any purpose.

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

1. The combination, in a breech-loader, with a reciprocating breech-block, *l*, of the lever *n*,

pivoted to said block, and the stop-bar *s*, arranged in the breech-cavity *h* in line with the arm *q* of the lever *n*, said lever *n* and the side plate, *e*, of the breech having notch *t*, substantially as described.

5 2. In a breech-loader, the combination, with the lifting-lever *a'*, pivoted at *b'* under the stop *s*, and provided with the stud *e'* and the stop-

spring *g' h'*, of the spring *f'*, breech-block lever *n*, and magazine *d'*, substantially as shown and described.

FRANKLIN JAMES EVANS.

Witnesses:

JOHN L. SWARTZ,
CHAS. F. POTTER.