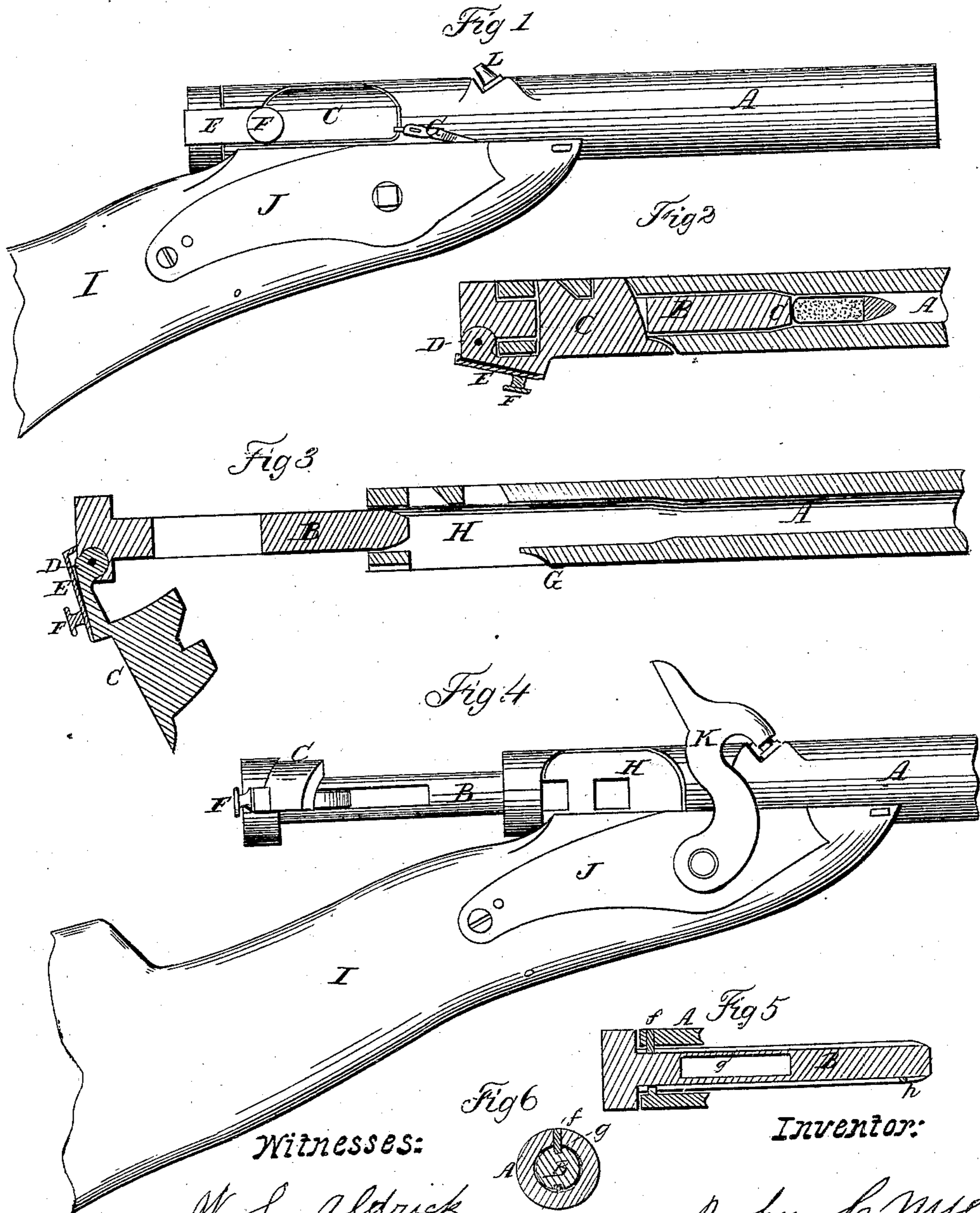


J. C. NYE.
 Breech-Loading Fire-Arm.

No. 36,852.

Patented Nov. 4, 1862.



Witnesses:

W. L. Aldrich
 E. White Nye

Inventor:

John C. Nye

UNITED STATES PATENT OFFICE.

JOHN C. NYE, OF CINCINNATI, OHIO.

IMPROVEMENT IN BREECH-LOADING FIRE-ARMS.

Specification forming part of Letters Patent No. 36,852, dated November 4, 1862.

To all whom it may concern:

Be it known that I, JOHN C. NYE, of Cincinnati, in the county of Hamilton, in the State of Ohio, have invented a new and Improved Breech-Loading Fire-Arm; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, and to the letters of reference marked thereon.

Figure 1 is a side view of the arm with all parts in place. Fig. 2 is a horizontal section, the upper part taken off, showing the parts in place as when loaded. Fig. 3 is the same as Fig. 2, with the plunger or breech-pin drawn out as in loading. Fig. 4 is a side view of the arm with the breech-pin drawn out, showing the opening where the cartridge is inserted. Fig. 5 is a longitudinal section of the breech-pin, showing the groove and guide. Fig. 6 is a transverse or cross-section of the breech-pin, showing the groove in the under side.

A is the barrel of the arm. B is the breech-pin or plunger by which the cartridge is pushed up to its place in the chamber, as seen in Fig. 2, the breech-pin B forming a perfect joint with the barrel at *e*, the breech-pin B being kept steady in moving out and in by the guide *f* entering into the groove *g*, as seen in Figs. 5 and 6, the end of the groove *g* being at *h*, preventing the breech-pin B from coming farther than is necessary to make room for the insertion of the cartridge. C is a key or gate which holds the breech-pin B in its place when

shut down, having a firm bearing at *e e e*, while the breech-pin B has a firm bearing on C at *d*, as seen in Fig. 2. D is a hinge-joint, upon which the key or gate C swings, on the head or base of the breech-pin B. E is a spring, which holds the key or gate C in its place open or shut down. F is a screw that holds the spring E firmly to its place on the key or gate C and breech-pin B, by the turning of which the spring E may be graduated. The screw F is also used as a handle to open the gate or key C with. G is a spring which holds hammer K when key C is open, but may be dispensed with. H is an opening for the insertion of the cartridge, as seen in Figs. 3 and 4, which is closed by the key or gate C, as seen in Fig. 1. I is the stock of the arm. J is the lock. K is the cock or hammer. L is the cone or nipple. M is the trigger. N is the guard. O is a lever and spring attached to guide *f*, by the moving of which the breech-pin B may be taken out of its place if it is wished to disable the arm. P is a bevel to make room for the insertion of the cartridge.

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

The key or gate C and the mode of applying the same to fire-arms, substantially as described.

Cincinnati, July 11, 1862.

JOHN C. NYE.

Witnesses:

W. S. ALDRICH,
E. WHITE NYE.