(No Model.)

T. KELLY.

BREECH LOADING FIRE ARM.

No. 342,363. Patented May 25, 1886.

Fig. 1.

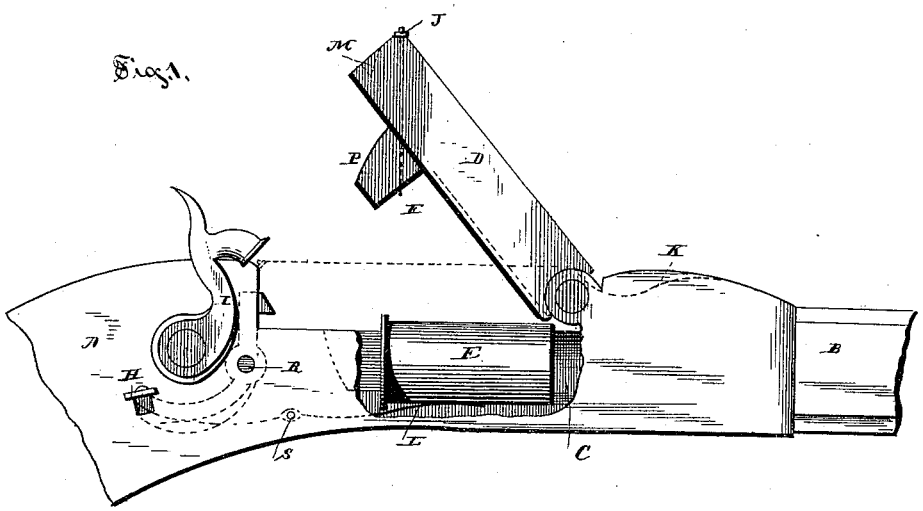


Fig. 2.

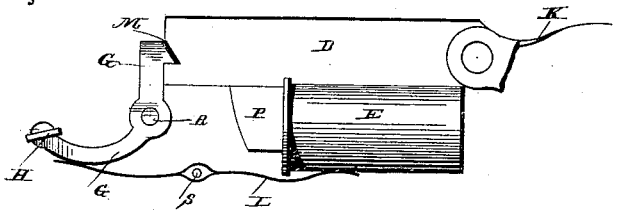
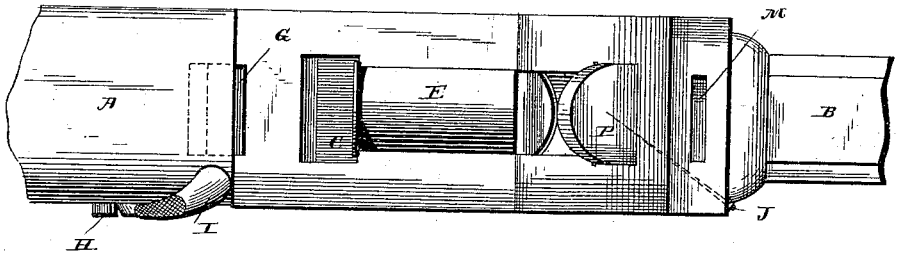


Fig. 3.



WITNESSES
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THOMAS KELLY, OF SAN FRANCISCO, CALIFORNIA.

BREECH-LOADING FIRE-ARM.

SPECIFICATION forming part of Letters Patent No. 342,363, dated May 25, 1886.

Application filed July 8, 1884. Serial No. 137,099. (No model.)

To all whom it may concern:

Be it known that I, THOMAS KELLY, a citizen of the United States, residing in the city and county of San Francisco, and State of California, have invented a new and useful Improvement in Breech-Loading Guns, of which the following is a specification.

My invention relates to that class of breech-loading fire arms where the cap-piece which covers the cartridge in the chamber is hinged forward of the cartridge and swings up over the barrel when opened out to receive a cartridge or discharge a shell; and it consists in certain devices for automatically catching the cartridge-chamber cover and holding the same firmly, and in discharging the cartridge-shell when the same is raised. It will be more readily understood by reference to the accompanying drawings and the letters marked thereon.

Figure 1 is a side elevation of a part of the breech of a fire-arm with my improvement attached. Fig. 2 is a side elevation showing detached parts; and Fig. 3 is a plan view showing the same parts shown in Fig. 1, with the cartridge-chamber cover thrown farther forward over the barrel than where it is shown in Fig. 1.

A represents the breech; B, the barrel; C, the cartridge-chamber; D, the cartridge-chamber cover; E, the cartridge; F, the needle; G, the locking-lever; H, the thumb-piece; I, the hammer; J, the nipple or needle-head; K, the chamber-cover spring; L, the lever and cartridge-spring, which throws the locking-lever in the notch M and the cartridge out of the cartridge-chamber C. The projection P is designed to wedge the cartridge firmly into its place in the barrel.

The following is the operation of my improved breech-loading fire-arm: As the cartridge is placed in the chamber C it presses down the spring L, (which has the pivot S,) and the other end of the same presses up against the lock-lever G and presses the same into the notch M. As the cover D of the cartridge-chamber C is shut down upon the cartridge E, the end of the same strikes the catch part of the lock-lever G, forcing the same back until the notch M passes to the same and allows it to drop in and hold the cap firmly, thus perfectly securing the cartridge-chamber. The thumb is then placed upon the thumb-piece H and the lever G operated, turning upon the pivot R releases the notch M, and the spring K at once throws the cartridge-chamber cover D up, and the spring L throws the shell out. The new cartridge E is then placed into the chamber C and the cover D again brought down, forcing the spring L down, and the projection P forces the cartridge E forward in place. Thus the same operation is repeated as each cartridge is discharged and replaced by a new cartridge.

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

1. The combination, with a gun having a cartridge-chamber open on its upper side, of a hinged cover to close the chamber, a spring in the bottom of the chamber for automatically discharging the shell when the cover is raised, and a spring for raising the cover, as set forth.

2. The combination, with a gun having a cartridge-chamber and a hinged cover to close the same, of a spring for raising the cover, a pivoted lever for holding the cover locked, and a spring bearing against the lever at one end and against the cartridge at its other end, substantially as set forth.

THOMAS KELLY.

Witnesses:

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