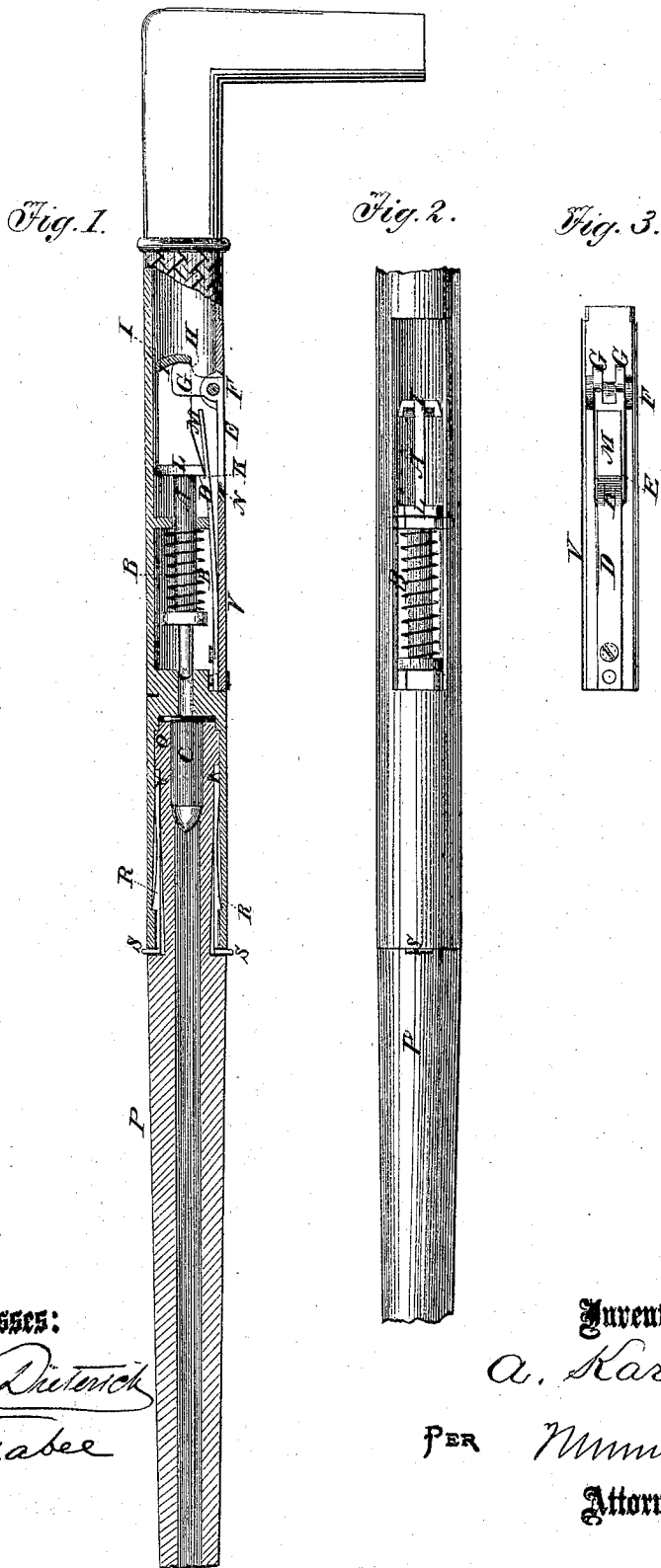


A. KARUTZ.

Improvement in Cane Guns.

No. 125,460.

Patented April 9, 1872.



Witnesses:
Gustave Dietrich
Geo. W. Mabee

Inventor:
A. Karutz
PER *Munn & Co.*
Attorneys.

UNITED STATES PATENT OFFICE.

ALBERT KARUTZ, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN CANE-GUNS.

Specification forming part of Letters Patent No. 125,460, dated April 9, 1872.

Specification describing certain Improvements in Cane-Guns, invented by ALBERT KARUTZ, of Brooklyn, in the county of Kings and State of New York.

My invention relates to improvements in cane-guns; and it consists of a novel arrangement of a cranked lever and catch-spring with the needle, whereby the said lever is employed both to retract the needle and to trip the catch-spring to allow the needle to fire the cartridge.

Figure 1 is a longitudinal section of my improved cane-gun. Fig. 2 is a side elevation, with the plate to which the catch-spring and retracting and tripping lever are attached; and Fig. 3 is a plan of the lever and spring and a detached piece of the barrel to which they are attached.

Similar letters of reference indicate corresponding parts.

A is the needle; B, the spring for thrusting it forward against the cartridge C; D, the catch-spring for holding the needle back; and E is the cranked lever for drawing the spindle back to be caught and held by the spring D, also for tripping said spindle to allow it to be thrown forward. This lever is pivoted to the receiver at F, so that the long arm lies in a slot in said receiver, which it completely fills, while the short arms G, which are provided with a toe, H, extend inward and bear against a kind of cup-shaped T-head, I, on the rear end of the needle, against which they act to force the needle back for setting ready to shoot. The spring is fastened to the receiver near the front end of the needle, so that near the rear end, where the catch K is, it bears against a collar, L, so as to engage it as soon

as said collar passes beyond said catch in moving backward, and beyond this catch D the spring is prolonged, as shown at M, so that when the crank-lever is pulled outward the short arms G come in contact with the prolongation M of spring D and force it away from collar L, so as to disengage the needle and let it fly forward. The said lever E is raised by thrusting the finger-nail under the beveled point N, where a sufficient space is left for the purpose. The cartridge-chamber is in the end O of a section, P, of the tubular cane, which is reduced, and fits in the socket of the upper section, and is secured by the catch-springs R, the ends of which project at S sufficiently to be pressed in to disengage the catches which engage with internal notches in the chamber of the upper section to hold the two sections together.

This arrangement of the barrel allows of loading at the breech by disconnecting the two sections and putting the cartridge in the end of O, after which they are connected again.

The cranked lever E and spring D are attached to a plate, U, which is detachably fitted in a slot in the receiver to facilitate access to the interior.

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

The combination of the cranked lever E, spring D, and needle A, substantially in the manner described.

ALBERT KARUTZ.

Witnesses:

GEO. W. MABEE,
T. B. MOSHER.