

G. L. HOLT & J. C. MARSHALL.

Breech-Loading Fire-Arms.

No. 138,157.

Patented April 22, 1873.

Fig. 1

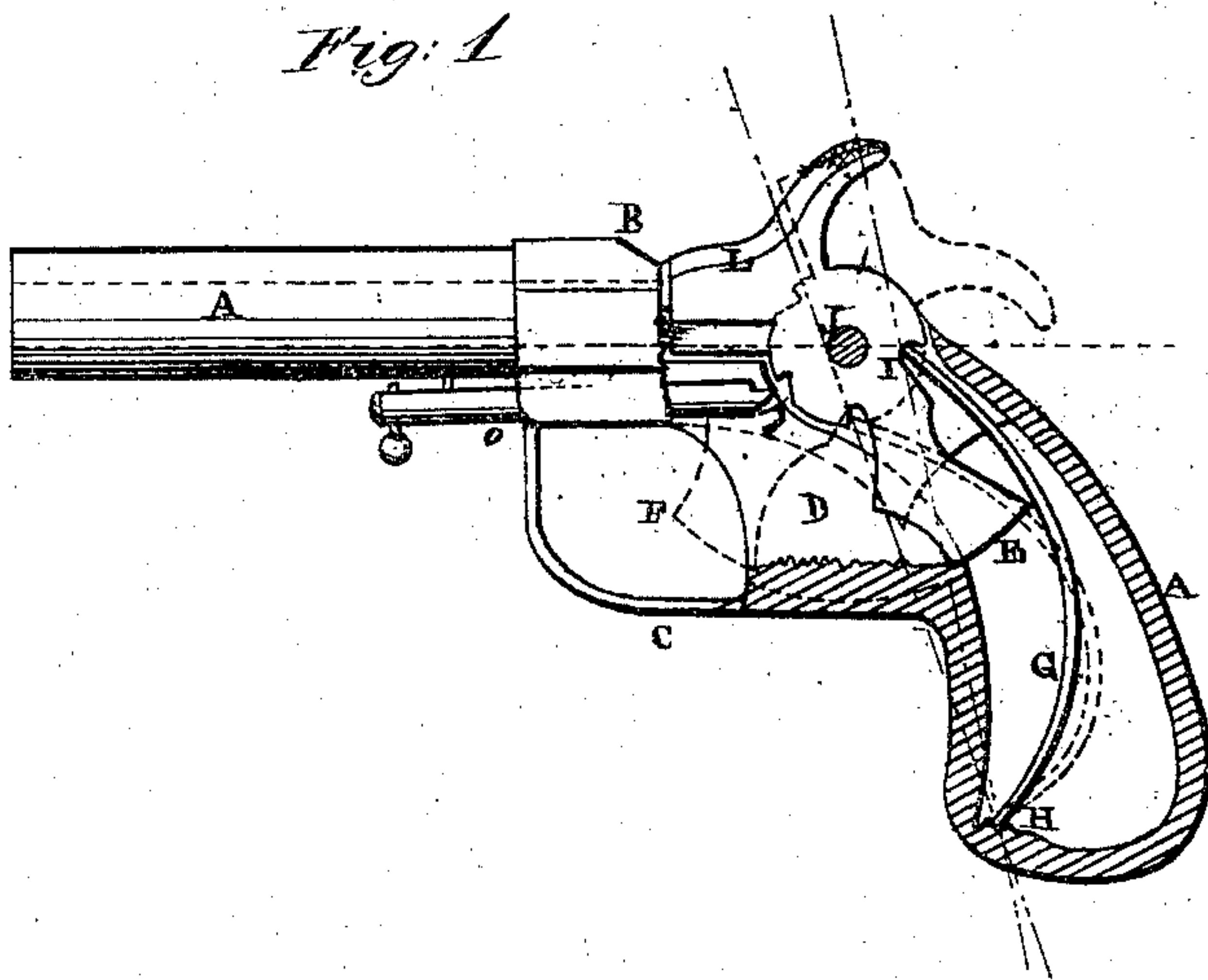
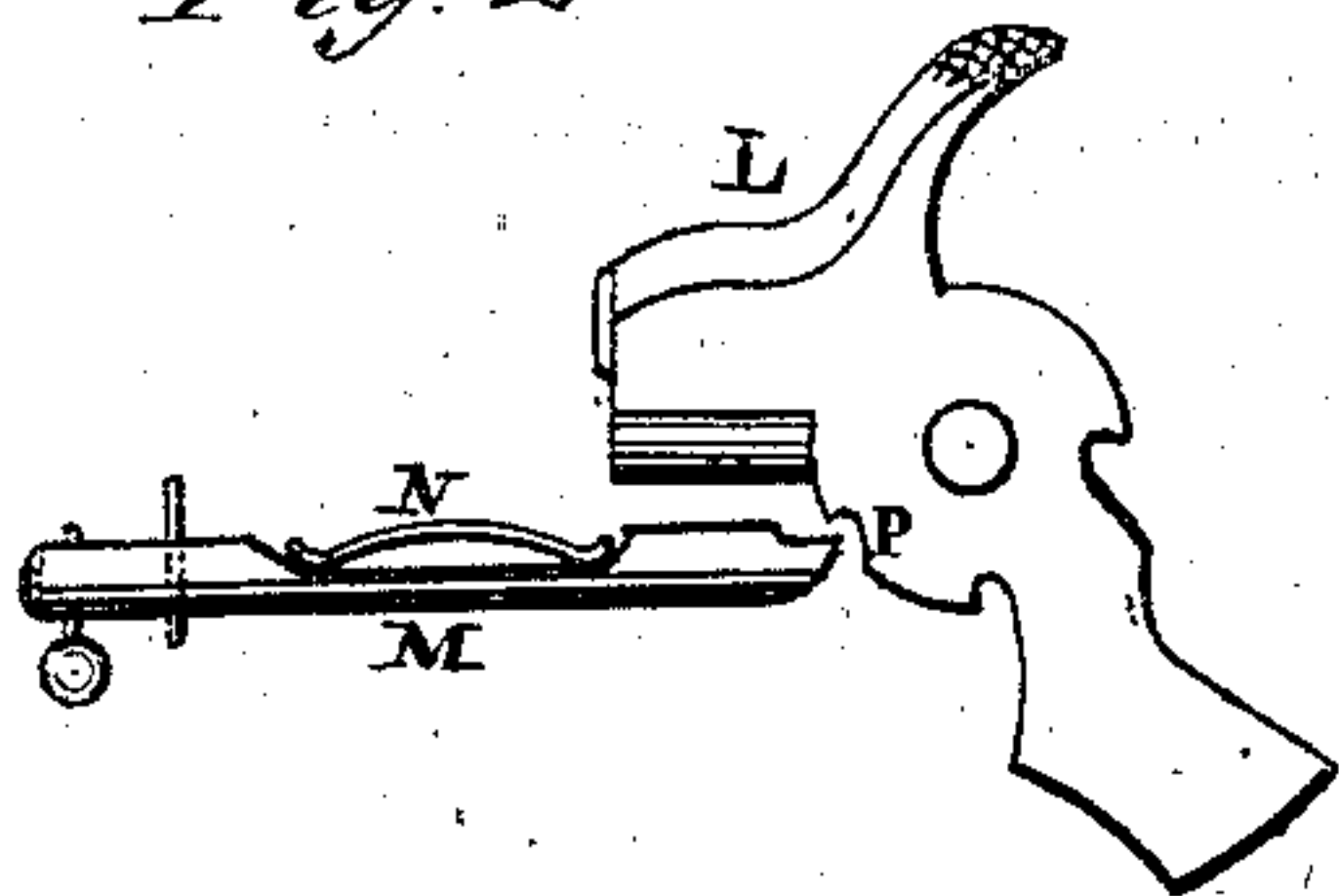


Fig. 2



Witnesses.

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UNITED STATES PATENT OFFICE.

GARDNER L. HOLT AND JOSEPH C. MARSHALL, OF SPRINGFIELD, MASSACHUSETTS, ASSIGNORS TO EDWD. H. BUCKLAND AND ALMANGOR A. BUCKLAND, OF SAME PLACE.

IMPROVEMENT IN BREECH-LOADING FIRE-ARMS.

Specification forming part of Letters Patent No. **138,157**, dated April 22, 1873; application filed February 28, 1873.

To all whom it may concern:

Be it known that we, GARDNER L. HOLT and JOSEPH C. MARSHALL, both of Springfield, in the county of Hampden and State of Massachusetts, have invented a new and useful Improvement in Breech-Loading Fire-Arms; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing making a part of this specification and to the letters of reference marked thereon, in which—

Figure 1 is a side view of a breech-loading pistol made according to our invention; and Fig. 2 is a side view of the hammer and trigger combined.

Our invention relates to the lock mechanism of a breech-loading pistol designed to be used for toy purposes; and it consists of devices as hereinafter described, whereby a separate sear and trigger are dispensed with in the ordinary manipulation of the arm in firing.

That others skilled in the art may be able to make and use our invention we will describe its construction and operation.

In the drawing, A represents the frame, which may be cast in the same piece with the barrel, and wherein the hammer is pivoted at J at the rear of and in a line with the lower part of the bore of the barrel, as shown in Fig. 1. The trigger E is made thin, and upon the lower part of the hammer, both in one piece, and when in place in the arm, operates in and protrudes through the shield or guard D. The main spring G has a bearing at its lower end in a notch in the frame at H, and at its upper end in the notch I in the hammer and nearly in the rear of the hammer-pin J, when the nose of the hammer is down at the rear of the barrel; but when the hammer is thrown back the

notch I, with the upper end of the spring G, is carried around beneath the hammer-pin J to a position just forward of the dotted line *a* drawn from the notch H, in which the lower end of the spring has its bearing to the hammer-pin J; and when in this position and the hammer is cocked it is so held by the relative position of the two ends of the spring and the hammer-pivot J, and the trigger E then projects through its shield or guard D, and when pulled slightly with the finger the hammer moves upon its pivot until the notch I moves to a point just back of the dotted line *a* when the force of the spring is exerted to throw the hammer L forward. The hammer may be set to any nicety of action upon its pivot by a greater or less degree of strength and elasticity of the spring G.

This arm is intended to be used for toy purposes, and to use a cartridge therein without a ball; and it may be made of wood or any other suitable material, as cheapness is the principal object aimed at in the manufacture of this description of fire-arm.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. The hammer L and trigger E, made in one and the same piece, substantially as described.

2. The combination of the hammer L provided with the notch I, the hammer-pivot J, and the spring G, whereby the hammer is held in a cocked position and is also forced forward to explode the cartridge, substantially as set forth.

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Witnesses:

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