J. B. McHARG.

Toy-Gun.

No. 163 023.

Patented May 11, 1875

Fig. 1.

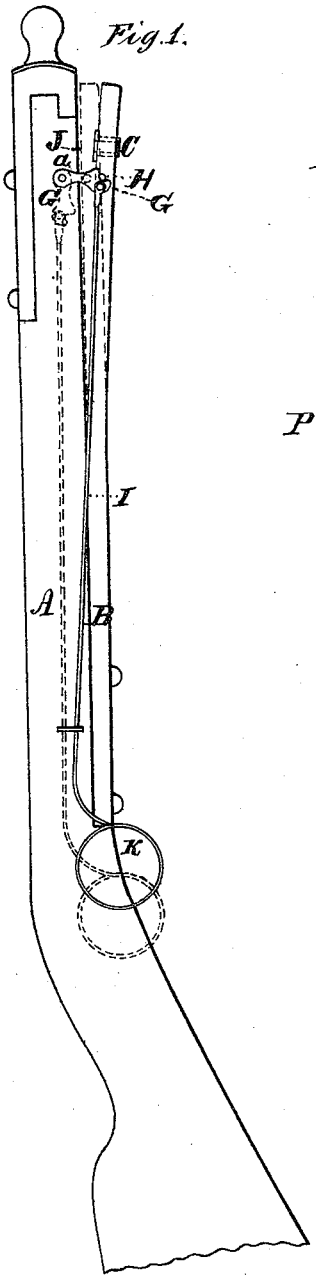


Fig. 3

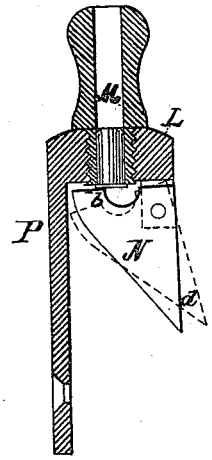
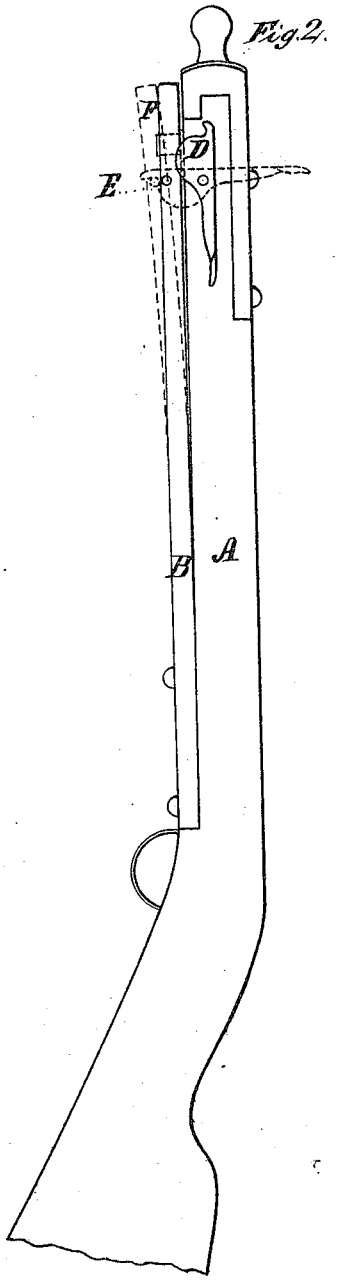


Fig. 2.



Witnesses.

A. S. Fitch.

B. S. Clarke.

Inventor.

John B. McHarg

By A. Fitch. his atty.

THE GRAPHIC CO. PHOTO-LITH. 39 & 41 PARK PLACE, N.Y.

UNITED STATES PATENT OFFICE.

JOHN B. McHARG, OF ROME, NEW YORK.

IMPROVEMENT IN TOY GUNS.

Specification forming part of Letters Patent No. **163,023**, dated May 11, 1875; application filed March 3, 1875.

To all whom it may concern:

Be it known that I, JOHN B. McHARG, of Rome, Oneida county, State of New York, have invented an Improvement in Toy Guns, of which the following is a specification, reference being had to the accompanying drawings, forming part thereof.

Figure 1 is a side view of a wooden toy gun containing my invention. Fig. 2 is a similar view of the opposite side of the same. Fig. 3 is a longitudinal section of a metal bracket, (on a large scale,) which, in Figs. 1 and 2, is fixed on the end of what represents the barrel of the gun, and to which is attached a blank-cartridge holder and a triangular piece of metal for exploding the cartridge.

My invention relates to a toy gun made, principally, of wood, for firing blank cartridges or percussion-caps; and consists in the combination, in such gun, of parts hereinafter particularly described.

A is a piece of wood fashioned into the form of a gun, a part of the rear of the stock being broken off. It may be made of any desired size, preferably, as I have found in practice, about eighteen inches or two feet in length, and, say, three-fourths of an inch thick. B is a spring, preferably, also, of wood, secured at its rear end to the under side of what represents the breech end of the barrel, leaving the opposite end of said spring free to vibrate. Near the forward end of this spring is made an aperture through it, in which is inserted a metal tube or thimble, shown in dotted lines at C. D is an eccentric lever, pivoted, as shown, on the side of the barrel, near the front end. Directly under the lever is a stud or pin, E, so arranged with relation to the lever D that when the latter is swung into the position shown by the dotted lines the under curved edge of the lever will impinge against the said pin, and thus flex the spring B, and push it forward and away from the gun-barrel, as shown by dotted lines F. G is a catch-lever, pivoted on the side of the barrel opposite to the lever D. Immediately below this lever G is a pin or stud, H, and on the outer end of the said lever G is a notch, the parts being so constructed and arranged that when the spring B is bent at its forward end away from the barrel A by the lever D, as before described, and the catch-lever G is swung into the position shown in the full lines, the said notch will engage with the pin H and hold the spring B flexed, while the lever D is swung back to its position indicated by the full lines. I is a wire, rod, or string attached to the lever G, the rear end having, preferably, a loop, *k*, as shown, near the rear end of the barrel, in reach of the hand holding the gun. Immediately over the thimble C there is inserted in the under side of the barrel an anvil, J, which is preferably a thin strip of metal set in the wood, and presenting its outer edge a little beyond the surface of the wood. This will insure the explosion of the cartridge or cap.

To operate this toy the spring B is set by swinging the lever D into the position shown by the dotted lines, and the lever G into the position shown by the full lines. A flanged, headed, and primed blank metallic cartridge, such as are commonly used in small pistols, is then inserted in the thimble C, with the head between the spring B and the barrel A. It is now ready for firing. By the finger in the loop *k* the lever G is withdrawn from its engagement with the pin H, when the recoil of the spring B will carry the cartridge with a sharp blow against the anvil J and explode it.

A modification of this toy consists in fixing the thimble C, in a modified form, to the end of the barrel, providing what may be called a firing-lever, to be struck and carried against the cartridge by the recoil of the spring B. For this purpose I fix upon the forward end of the barrel a thimble-holder, P, which may be a socket or tube, or, preferably, such a bracket as is represented by Fig. 3. In the end L is made an aperture, provided with a female screw, into which is screwed the thimble M. N is a triangular firing-lever, pivoted at one angle, as shown, in one arm of the bracket, so constructed and arranged that when swung into the position shown by the dotted lines the angle *a* will drop below the under surface of the barrel, where it may be struck by the spring B in its recoil, forcing the opposite angle *b* with a sharp blow against the head of the cartridge inserted in the thimble M, as shown. A slot is cut in the barrel to receive

the firing-lever N. To load the thimble M it is screwed out from the bracket L, the cartridge inserted in its rear end, and then replaced. This modification may, by some, be preferred.

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

1. In a toy gun, the combination of the stock and barrel A and the spring B, having the thimble C, as and for the purpose described.

2. In a toy gun, the combination of the stock and barrel A, the spring B, and the eccentric pivoted lever D, as and for the purpose described.

3. In a toy gun, the stock and barrel A, the spring B, the catch-lever G, and the rod I, as and for the purpose described.

4. In a toy gun, the stock and the barrel A, having secured to its forward end the bracket P, in which is secured a detachable thimble, M, as and for the purpose described.

5. In a toy gun, the combination of the stock and barrel A, the spring B, the bracket P, firing-lever N, and thimble M, as and for the purpose described.

In witness whereof I have hereunto set my hand this 27th day of February, 1875.

JOHN B. McHARG.

Witnesses:
B. S. CLARK,
A. S. FITCH.