

W. H. MARTIN.
Toy-Gun.

No. 163,673.

Patented May 25, 1875.

Fig. 1.

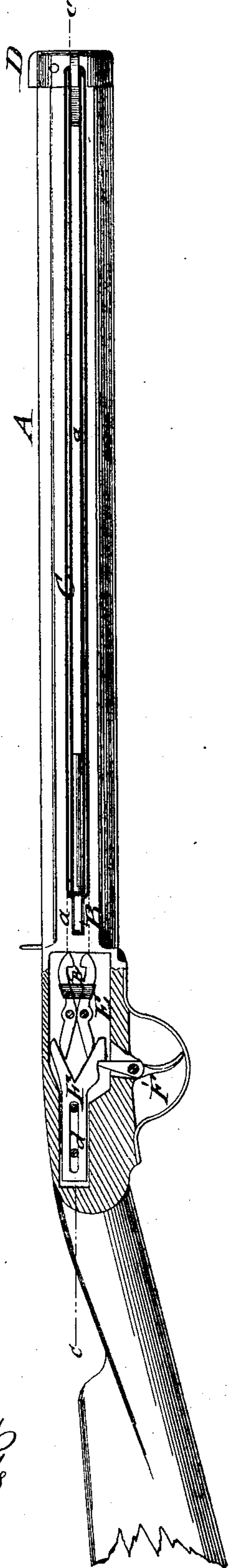
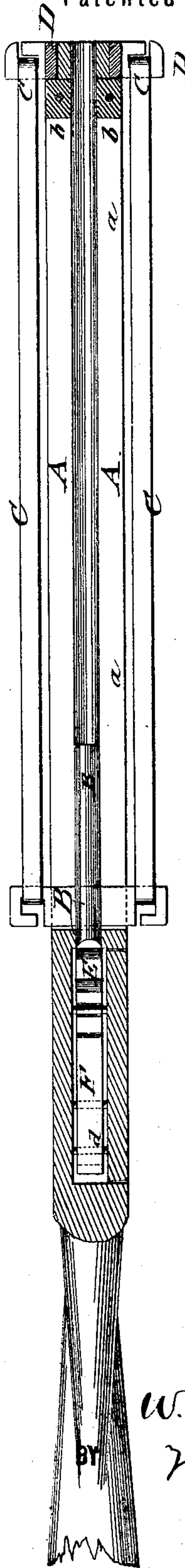


Fig. 2.



WITNESSES:

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IMPROVEMENT IN TOY GUNS.

Specification forming part of Letters Patent No. **163,673**, dated May 25, 1875; application filed March 29, 1875.

To all whom it may concern:

Be it known that I, WILLIAM H. MARTIN, of Mobile, in the county of Mobile and State of Alabama, have invented a new and Improved Toy Gun, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a vertical longitudinal section of my improved toy gun; and Fig. 2, a horizontal longitudinal section of the same on the line *c c*, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention relates to a toy gun of considerable power that may be readily handled for target-shooting by children, and other purposes, without the least danger in the use of the same.

The invention consists of a longitudinal slotted barrel, with ball or arrow propelling slide-piece working freely therein by means of springs attached to a cushioned collar at the muzzle of the barrel. The hook or arrow shaped rear part of the slide is locked by spring-jaws, and released by a trigger and slide-piece.

In the drawing illustrating my invention, A represents the barrel of my improved spring toy gun, which is provided with a longitudinal slot, *a*, for guiding the spring-acted lateral slide-piece B therein. The slide B is attached, by means of rubber, spiral, or other springs C, of suitable power, to a collar, D, at the end of the muzzle of the barrel, the springs being fastened in suitable manner to slide-piece and collar at both sides of the barrel. Elastic block-cushions *b* in slot *a*, back of the collar, break the force of the slide as it is carried by the springs to the end of the barrel. The slide-piece B is provided with a rear-extending hook or arrow, B', that is locked

by means of pivoted spring-jaws E, arranged in a recess of the gun-stock. A slotted piece, F, with V-shaped front end, slides on lateral guide-pins *d* of the stock, and acts on the rear ends of the spring-jaws E. A trigger, F', engages a recess of slide F, and carries the same forward on being pulled. The rear arms of the spring-jaws E are thereby forced together and the front part opened, so as to release the spring-acted slide-piece and propel thereby the ball-arm or other missile with considerable power from the barrel. On pulling back the slide-piece for the next shot the arrow end spreads the jaws, which carry, by their action on the V-shaped slide, the same and the trigger back without requiring returning-springs, which, however, may be provided, if desired.

The trigger is quickly and easily charged, as the slide-piece works freely and easily in the barrel, and forms an entertaining and harmless toy for children's sport.

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

1. The combination, with slide B and slotted barrel, of muzzle-collar and cushion-blocks arranged on a toy gun, as and for the purpose described.

2. The combination, with the barrel and stock, of arrow-head slide B B' and spring-jaws E, as and for the purpose set forth.

3. The combination, with spring-jaws E, having divergent rear arms, of the trigger-operated slide F, constructed and arranged as and for the purpose described.

WM. H. MARTIN.

Witnesses:

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