

(No Model.)

B. B. WHALEY.
TOY PISTOL.

No. 474,707.

Patented May 10, 1892.

Fig. 1.

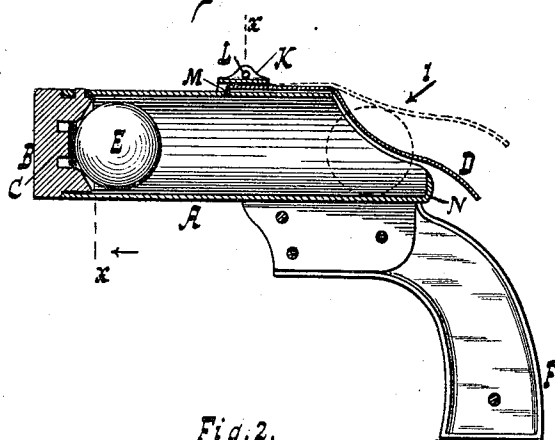


Fig. 2.

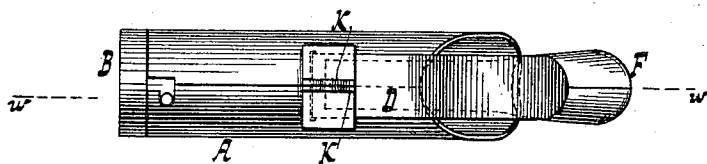


Fig. 3.

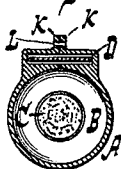


Fig. 4.

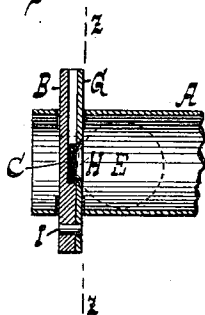
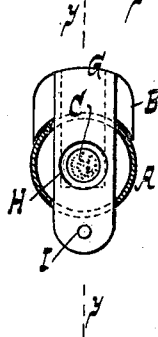


Fig. 5.



WITNESSES:

William Miller
Edward Hoff

INVENTOR:

Barnett B. Whaley

BY

Van Santvoord & Hawk
ATTORNEYS.

UNITED STATES PATENT OFFICE.

BARNETT B. WHALEY, OF BROOKLYN, N. Y.

TOY PISTOL.

SPECIFICATION forming part of Letters Patent No. 474,707, dated May 10, 1892.

Application filed January 14, 1892. Serial No. 418,050. (No model.)

To all whom it may concern:

Be it known that I, BARNETT B. WHALEY, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Toy Guns, of which the following is a specification.

This invention relates to toy guns or devices for exploding caps or fulminate; and it consists in the novel features of construction hereinafter described and shown, and pointed out in the claims.

In the accompanying drawings, illustrating the invention, Figure 1 is a section of the gun along *ww*, Fig. 2. Fig. 2 is a plan view of the gun. Fig. 3 is a section along *xx*, Fig. 1. Fig. 4 is a section of a modification along *yy*, Fig. 5. Fig. 5 is a section along *zz*, Fig. 4.

In the drawings the letter A indicates a barrel, to which a stopper B is detachably secured. In Fig. 2 a bayonet-joint serves to hold the stopper in place, while in Fig. 4 the stopper is dropped or passed into a slot or opening in the barrel. The stopper has a seat or holder for a cap or explosive pellet C.

At the rear of the barrel, which is open, there is a spring D, and a marble or other suitable projectile E is held by frictional contact between the spring D and the rear end of the barrel A. In Fig. 1 the dotted outlines indicate the position of the spring and projectile when the latter is clamped or held at the rear end of the barrel. The spring D is of the type known as a "leaf-spring," and its rear extremity is free and overhangs the gun-handle F, so that by grasping the handle F and pressing the thumb on the spring D in the direction of arrow 1, Fig. 1, so as to force or snap the marble E out from between the spring D and the rear of barrel A, said marble will be projected against the cap or fulminate C, so as to explode the latter. As the cap or explosive C is inclosed, it cannot do any injury. By removing the stopper B and introducing a fresh cap the explosion can be repeated. Although the cap C is inclosed by the stopper B, shutting the mouth of the barrel, still, as the rear of the barrel is open, the sound of the explosion can escape, so as not to be muffled or deadened.

The stopper B in Figs. 4 and 5 has a movable shield G, having a perforation H, through

which the projectile can reach the cap or pellet C. Said shield is movable about the joint or pivot I, and said shield serves to hold the cap in position to be struck by the projected marble.

The barrel A is either readily cast or made of sheet metal, as desired. The barrel-sections are cast or held together along the joint. In Figs. 1 to 3 are shown arms K, extending from the barrel, which arms are secured together by a rivet or fastening L, so as to hold the barrel closed along the joint. These arms are provided at their lower parts with a recess or chamber, in which sets the forward part of the spring D, the forward part of said spring being bent or provided with a shoulder or lip M, entering a notch or recess in barrel A. This lip M, with the arms K, holds the spring in place.

If desired, the stopper B may be omitted, and the marble or projectile E will in that case be thrown from the mouth of the barrel and can be aimed at a target or other object.

To prevent the marble or projectile from running out at the rear of the barrel when the spring is drawn back, a shoulder or stop N is provided, as seen in Fig. 1.

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

1. The combination, with a barrel, of a spring adapted to clamp or hold a projectile at the rear end of said barrel and a removable stopper for the mouth of said barrel, said stopper being provided with a seat or holder for the explosive, substantially as described.

2. The combination, with a barrel, of a spring adapted to clamp or hold a projectile at the rear end of said barrel and a removable stopper for the mouth of the barrel, said stopper being provided with a movable perforated shield, substantially as described.

3. The combination, with a barrel, of a spring adapted to clamp or hold a projectile at the rear end of said barrel and a stopper for the mouth of said barrel, said barrel being split and being held together by arms K, said arms being recessed, so as to form a seat or holder for the spring, substantially as described.

4. The combination, with a barrel, of a spring adapted to clamp or hold a projectile at the rear end of said barrel and a stopper

for the mouth of said barrel, said barrel being split and being held together by arms K, said arms having their lower portions recessed, so as to form a seat or holder for the spring, 5 said spring having a lip at its forward end, and said barrel being notched to receive said lip, substantially as described.

5. The combination, with a gun-barrel A, having a handle F, of a projectile-holding leaf- 10 spring D, secured at its front end to the barrel and having its rear free end exposed out-

side the barrel and located above the gun-handle to be forced downward by thumb-pressure of the user to force the projectile free from the spring, substantially as described. 15

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

BARNETT B. WHALEY.

Witnesses:

WM. C. HAUFF,

E. F. KASTENHUBER.