

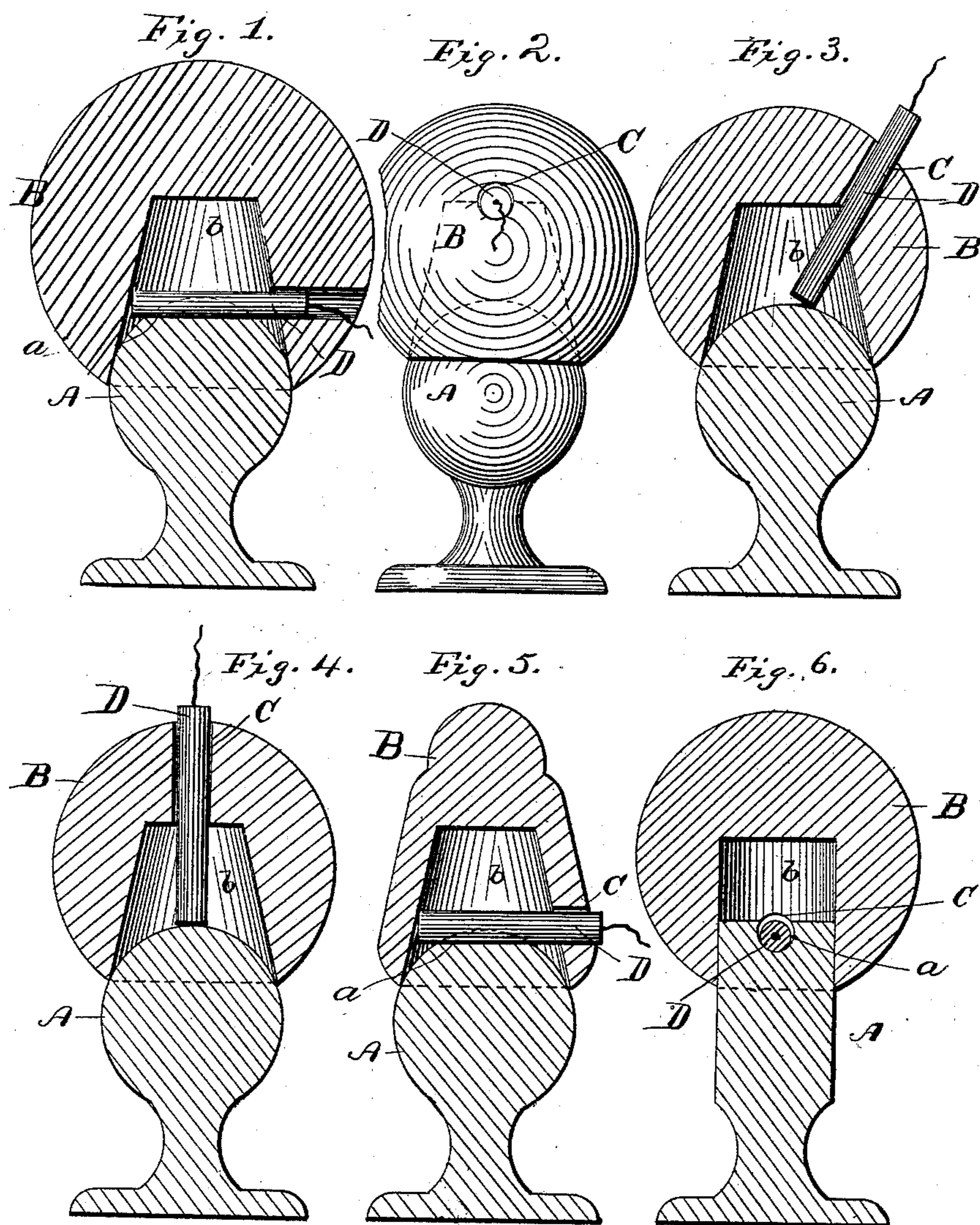
(No Model.)

A. W. PARTRICK.

TOY MORTAR.

No. 300,634.

Patented June 17, 1884.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

ALFRED W. PARTRICK, OF WASHINGTON, DISTRICT OF COLUMBIA, ASSIGNOR  
TO WILLIAM C. EATON, OF NEWARK, NEW JERSEY.

## TOY MORTAR.

SPECIFICATION forming part of Letters Patent No. 300,634, dated June 17, 1884.

Application filed February 14, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, ALFRED W. PARTRICK, a citizen of the United States, residing at Washington, in the District of Columbia, have  
5 invented certain new and useful Improvements in Toy Projectiles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable  
10 other skilled in the art to which it appertains to make and use the same.

My invention relates to certain improvements in toy projectiles in which the explosion of a fire-cracker is utilized to throw a  
15 light ball or other projectile some distance from the place of explosion.

It consists in a projectile having a hollow chamber on its under side, adapted to fit over and rest upon a suitable base-piece, leaving a  
20 space between the top of the base and the top of the chamber, and between which base and projectile a fire-cracker is inserted. When the fire-cracker is exploded, the explosion takes effect in chamber of the projectile and forces the  
25 same from the base-piece. This toy affords much amusement, and at the same time is perfectly harmless.

The construction and arrangement of the various parts I will now proceed more particularly to point out and describe, reference  
30 being had to the accompanying drawings, in which—

Figure 1 is a vertical section taken through the center of the toy, showing the fire-cracker in position. Fig. 2 is an elevation showing a  
35 modification. Figs. 3 and 4 are vertical sections showing the hole for the insertion of the fire-cracker in different parts of the projectile. Fig. 5 is a modification showing the projectile made in the shape of a cone. Fig. 6  
40 is a modification showing the base and chamber in the projectile made cylindrical in form.

Referring to said drawings, A is the base, having a spherical top. As a modification it may be made cylindrical in form, as shown in  
45 Fig. 6.

a is a recess or groove in the top of the base, in which the fire-cracker rests.

B is the projectile, which is preferably made

spherical on its outer side, but may be made conical, as shown in Fig. 5. The under side  
50 of the projectile is hollowed out and forms a chamber, b. Said chamber b is preferably made conical, tapering from the mouth to the top, but, as a modification, may be made cylindrical, to fit over a cylindrical base, as  
55 shown in Fig. 6. Said projectile is adapted to fit over and rest upon the base A, leaving a space between the top of the base and the top of the chamber b, in which space the explosion of the fire-cracker takes effect. 60

C is a hole in the projectile, in which a fire-cracker is inserted. This hole may be made in any part of the projectile, horizontal near the mouth of the chamber b, so that the fire-cracker rests in the recess a, as shown in Figs. 65  
1, 5, and 6; at the top, as in Fig. 2; at angle, as in Fig. 3, or perpendicularly, as in Fig. 4.

D is the fire-cracker, which is inserted through the hole C, between the base and the projectile, and may rest in the recess a or occupy any of the positions shown in the various modifications. When the fire-cracker is  
70 exploded, the force of the explosion takes effect in the chamber b, and shoots or throws the projectile from the base. 75

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

1. The combination, with a base, of a projectile adapted to rest upon said base, bored  
80 on its under side to form a chamber, and provided with a second bore for the insertion of the charge and opening into the chamber, substantially as shown and described.

2. The combination, with a base adapted to  
85 support a fire-cracker, of a projectile adapted to rest upon said base, bored on its under side to form a chamber, and provided with a second bore for the insertion of the charge and opening into said chamber, substantially as  
90 shown and described.

3. The combination, with a base, of a projectile bored on its under side to form a chamber, and adapted to fit over and rest upon  
95 said base, and provided with a second bore for the insertion of the charge and opening

into the chamber, substantially as shown and described.

4. A base having a recess in its top for the reception of a fire-cracker, in combination  
5 with a projectile having a chamber on its under side resting upon the base, and provided with a hole for the insertion of a fire-cracker, substantially as shown.

In testimony whereof I affix my signature in presence of two witnesses.

ALFRED W. PARTRICK.

Witnesses:

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