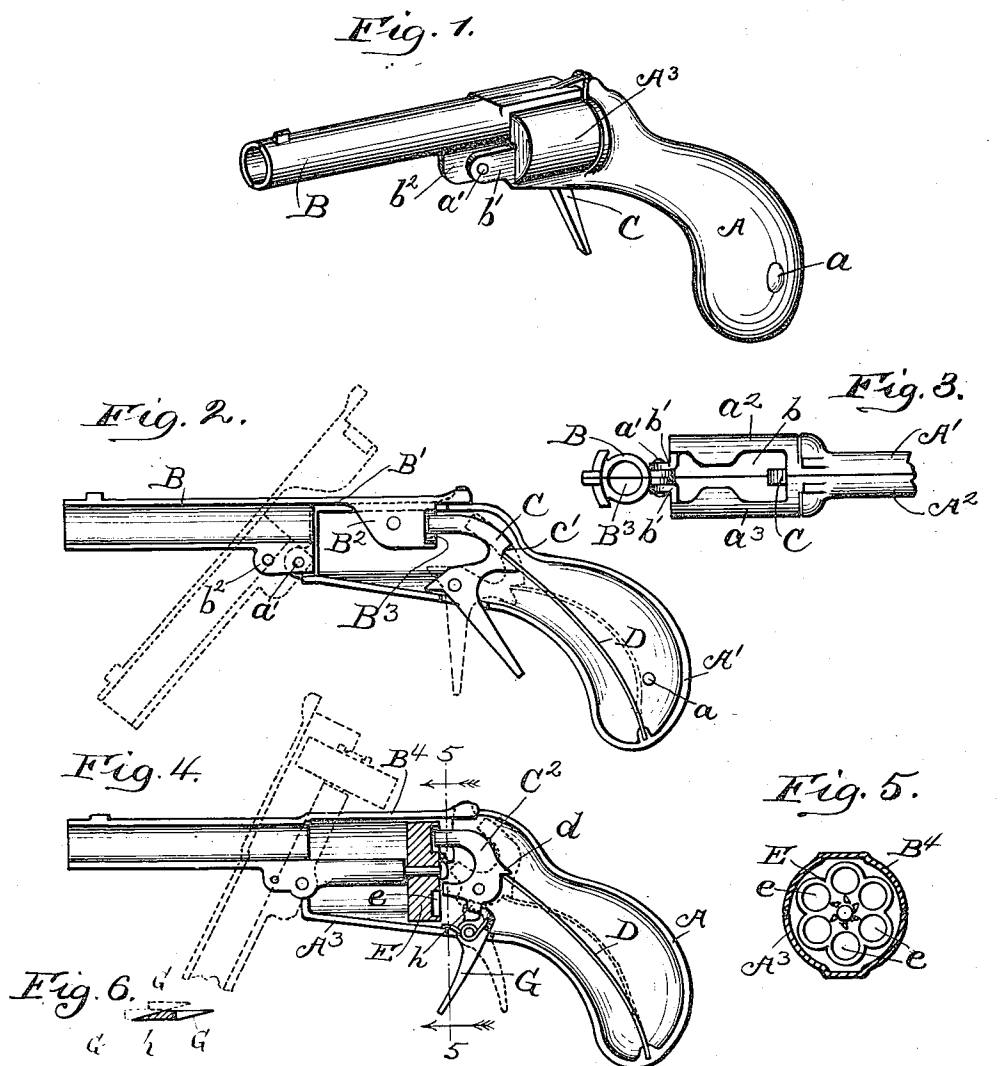


(No Model.)

O. A. WHEELER.
SAFETY TOY PISTOL.

No. 532,853.

Patented Jan. 22, 1895.



Witnesses:
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ORRIN A. WHEELER, OF CHICAGO, ILLINOIS.

SAFETY TOY PISTOL.

SPECIFICATION forming part of Letters Patent No. 532,853, dated January 22, 1895.

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To all whom it may concern:

Be it known that I, ORRIN A. WHEELER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Safety Toy Pistols, of which the following is a specification.

This invention relates to improvements in pistols, and while it is more especially adapted for use in that class of pistols used by children as toys, yet it may be applied to and used in almost any kind of a pistol or gun, and it consists in certain peculiarities of the construction, novel arrangement, and operation of the various parts thereof, as will be hereinafter more fully set forth and specifically claimed.

Hitherto toy-pistols have been constructed in such a manner that the pan or receptacle for the cap or explosive, which creates the report was exposed, and thus allowed particles of the cap or explosive to fly with great force therefrom, with frequent injury to the eyes and body of the person using the instrument, as well as to others. For this reason, the use of toy-pistols has been forbidden in many house-holds, and the children, especially the boys, have been deprived of their favorite toy. It is therefore the objects of my invention, first, to provide a pistol, which shall be simple and inexpensive in construction, strong and durable, yet effective in operation, and absolutely harmless and safe in use; and, second, such a pistol, which will present in general appearance, the form of the latest improved fire-arm of the pistol-kind, of a convenient size, and an attractive appearance.

In order to enable others skilled in the art to which my invention pertains to make and use the same, I will now proceed to describe it, referring to the accompanying drawing, in which—

Figure 1, is a perspective view of the pistol. Fig. 2, is a divided longitudinal view, showing one-half of the pistol and its operating mechanism. Fig. 3, is a plan view of a portion of the handle, explosion chamber, and barrel, showing the latter thrown open to receive the cap or explosive. Fig. 4, is a divided longitudinal view of the pistol, showing a modification in its construction. Fig. 5, is a cross sectional view, taken on line 5, 5, of Fig.

4, showing the explosion chamber and revolving cylinder; and Fig. 6, is a detail view of a portion of the trigger and a part of the hammer used in the construction, illustrated in Fig. 4.

Similar letters refer to like parts throughout the different views of the drawings.

A, represents the handle, which is preferably made of two pieces A^1 and A^2 , which are counter-parts of each other, and are secured together by means of rivets a , and a' , located near each end of said pieces, the rivet a' , serving also as a pivot or fulcrum point for the barrel B, which is likewise preferably formed of two pieces, semi-tubular in form, so that, when they are united longitudinally they will present the general appearance of the barrel of a genuine fire-arm or pistol.

The pieces A^1 and A^2 , constituting the handle are of substantially the shape shown in the drawings, and are so formed that when joined together, they will afford a chamber for the reception and operation of the hammer C, and its actuating-spring D, which is secured at one end within the butt of the handle, and has its other end in engagement with the trigger-hammer C, as will be presently explained.

The upper and front portions of the pieces A^1 and A^2 , are formed with semi-cylindrical enlargements a^2 and a^3 , having their upper portions cut-away to form the recess or opening b , for the reception of a part of the barrel, and are provided at their front parts with lugs or projections b' , between which a lug b^2 on the barrel is pivotally secured. Near the rear part of the explosion chamber A^3 , formed by the enlarged portions a^2 and a^3 , and in its lower part the handle is provided with an opening c , through which projects the lower part of the trigger-hammer C, which is pivoted in the handle and is of substantially the form shown in Fig. 2, of the drawings, and is provided with a recess c' within which engages one end of the actuating-spring.

The barrel B, is provided at its rear with an extended portion B^1 , having on its lower surface a projection B^2 , in the rear end of which is formed a pan or receptacle B^3 , for the cap or explosive. When the barrel is in position for firing or exploding the cap, as

shown by continuous lines in the drawings, the extended portion B', will cover the opening b, in the explosion chamber and tightly close the same, thus preventing any particles of the cap being discharged therefrom, when it is exploded by means of the trigger-hammer.

As shown by broken lines in Fig. 2, the trigger may be pressed forward, when the hammer thereof will be disengaged from the pan or receptacle B³, which operation will permit the barrel to be turned to the position indicated by dotted lines, and the cap or explosive easily placed in the pan or receptacle.

It will be observed that when the trigger is in the position shown by dotted lines the end of the spring engaging therewith will be below a median line through the pivot point of the trigger, in which position it will be held until it is moved from said position by pressing the trigger with the finger, when it, the spring, will force the hammer forward with great force.

In Figs. 4 and 5, I have shown a modification in the construction of my pistol, which I may sometimes employ, and which consists in providing the rear portion of the barrel with a revolving cylinder E, having a series of pans or receptacles e, for the caps or explosives, and also a self-cocking-hammer. In this modification the general construction of the handle and barrel above described is observed, with the exception that the upper portion or about one-half of the explosion chamber A³, is cut-away as shown in Fig. 5, and the extended portion B⁴, corresponding to the portion B', is semi-cylindrical, thus forming with the lower front part of the handle pieces a cylindrical explosion chamber.

As shown in Fig. 4, the hammer C², is pivotally secured within the handle and is provided at its rear with a lug or projection d, to engage the spring D, and at its bottom with a beveled tooth h, to engage the upper portion of the spring-actuated trigger G, which is also pivoted in the handle and is returned past the lower portion of the hammer by means of the spring on its pivot, and by reason of its beveled upper part, which is shown in detail in Fig. 6, of the drawings.

From the foregoing and by reference to the drawings, it will be seen and readily understood that I am enabled to furnish a safe and absolutely harmless toy having the exact gen-

eral appearance of a breech-loading and hammerless revolver or pistol.

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

1. As an improved article of manufacture a toy-pistol, consisting of a barrel and handle pivotally secured together and shaped at their juncture to form a chamber when united, a receptacle for the cap or explosive and a hammer for detonating the same, said receptacle and hammer being inclosed within the chamber, and said chamber having an opening through the barrel for the escape of gas, substantially as described.

2. As an improved article of manufacture a pistol composed of a handle, a barrel and a spring-actuated trigger-hammer, said barrel being pivotally secured to the handle and having at its rear portion a receptacle for the explosive, and a portion to unite with a part of the handle to form a casing around said receptacle, substantially as described.

3. In a toy-pistol the combination with a handle having at its front part a hollow casing provided in its upper portion with an opening to receive the explosive receptacle and in its lower part an opening for the trigger, of a barrel pivotally secured to the front part of the handle and having on its rear portion an extended part to close the opening of the casing, and an explosive receptacle to extend within said casing, and a mechanism within the handle to strike the explosive, substantially as described.

4. In a toy-pistol the combination with the hollow-pieces A', and A², having the enlarged parts a², and a³, provided with the opening b, in their upper portion to admit the explosive receptacle, said pieces being adapted to be jointed together to form the handle, of the barrel B, pivotally secured to the front portion of the handle and having on its rear the extended portion B', to close the opening b, and the explosive receptacle B³, to extend within the casing formed by the parts a², a³, and B', and a spring-actuated-trigger-hammer C, pivotally secured in the handle, substantially as described.

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