

S. D. & D. C. GOODALE.

TOY-PISTOL.

No. 174,229.

Patented Feb. 29, 1876

Fig: 1.

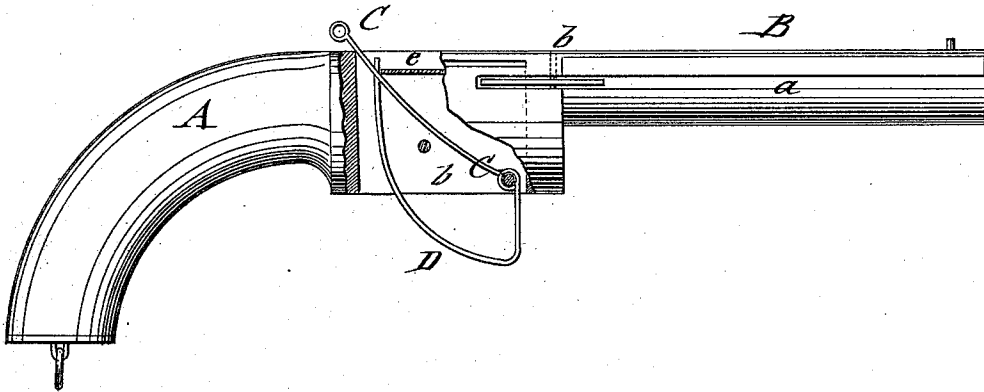


Fig: 2.

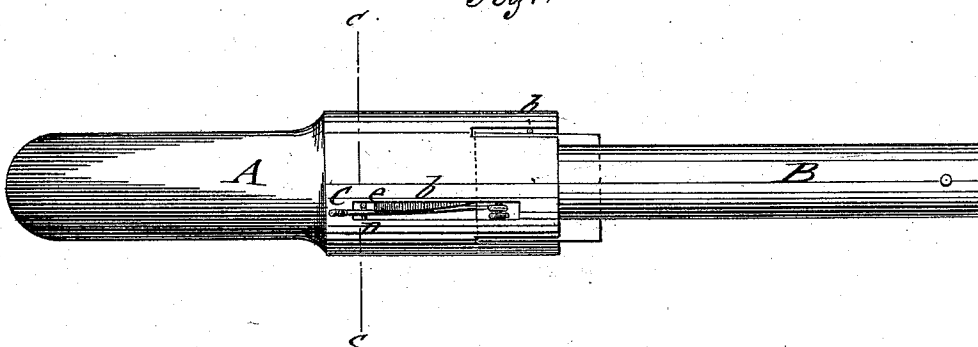


Fig: 3.

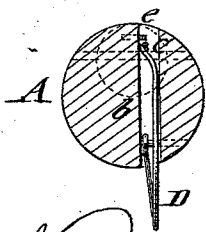
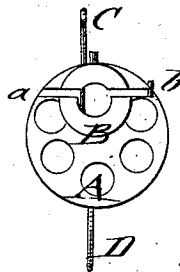


Fig: 4.



WITNESSES:

Chas. N. Mott.
John Goethals

INVENTOR:

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BY *A. C. Goodale*
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UNITED STATES PATENT OFFICE

SAMUEL D. GOODALE AND DEXTER C. GOODALE, OF DU QUOIN, ILLINOIS.

IMPROVEMENT IN TOY PISTOLS.

Specification forming part of Letters Patent No. 174,229, dated February 29, 1876; application filed December 27, 1875.

To all whom it may concern:

Be it known that we, SAMUEL D. GOODALE and DEXTER C. GOODALE, of Du Quoin, in the county of Perry and State of Illinois, have invented a new and Improved Toy Pistol, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a side elevation, partly in section, of our improved toy pistol; Fig. 2, a top view; and Figs. 3 and 4, respectively, a vertical transverse section on line *c c*, Fig. 2, and an end view of the pistol.

Similar letters of reference indicate corresponding parts.

The object of our invention is to furnish for the amusement of children a toy pistol that throws small pieces of card-paper, and forms an innocent, harmless, and entertaining toy.

The invention consists of a toy pistol or gun with slotted barrel, that guides a piece of card-paper propelled by the action of a spring-hammer that is attached to a guide recess or slot at the breech of the barrel, and retained by a catch, and released by a trigger.

In the drawing, A represents a toy pistol, revolver, or gun, which is made of wood, metal, or other material, and provided with a barrel, B, having a central slot, *a*, extending nearly through the entire length of the same.

A small piece of card-paper, of about the width of the barrel, is introduced into the guide-slot *a*, and carried back to the rear end of the same, where a guard-pin, *b*, is applied to secure the correct position of the card. The breech end of the barrel B is furthermore provided with a diametrical slot, *d*, at right angles to the barrel-slot *a*. An inclined catch-piece, *e*, at the upper end of breech-slot projects into slot *b*, and serves to retain a spring-hammer, C, that extends above slot, to be readily taken hold of and carried back to the square rear end of the catch. A spring-trigger, D, is made in one piece of wire with the hammer, and extended first below the breech-

slot, and then bent in upward direction toward the catch *e*, where it comes in contact with the hammer, so as to release the same when the lower part of the trigger is pulled. The spring-hammer is thrown, on being released, with considerable force against the paper-card, which is propelled thereby with considerable velocity, first along the guide-slot of the barrel, and then through the air, being dropped at some distance from the shooter. By carrying the hammer back and inserting a new piece of card-paper, the pistol is ready for the next shot.

The barrel may be provided with a bore to reduce the surface of the guide-slot, and thereby by the friction of the paper missile in its passage along the same.

Thus a simple, cheap, and harmless toy pistol or gun is furnished to children, who may derive a great deal of merriment therefrom, without injury or hurt to objects or persons.

A practical application of the above-enumerated principles of our toy gun may be made for the purpose of throwing written or printed messages on board of passing steamships or other water-crafts, also to the delivery of important dispatches on board of passing railroad-trains.

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

The combination, with a barrel having horizontal slot open at the muzzle end, of an elastic trigger, D, pivoted at the lower end of a vertical slot, *b*, of pistol, having one end, C, extending above said slot, and the other resting behind the inclined catch *e*, as and for the purpose specified.

DEXTER C. GOODALE.
SAMUEL DEXTER GOODALE.

Witnesses:

WM. GODDARD,
WM. JACKSON.