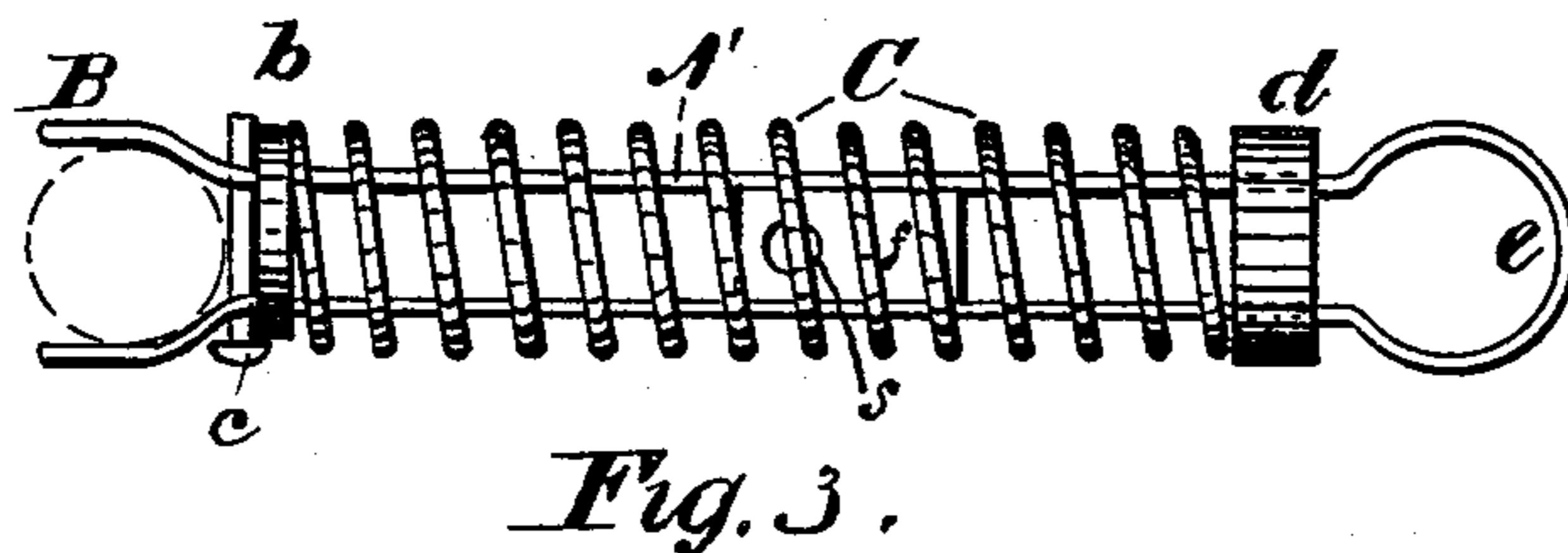
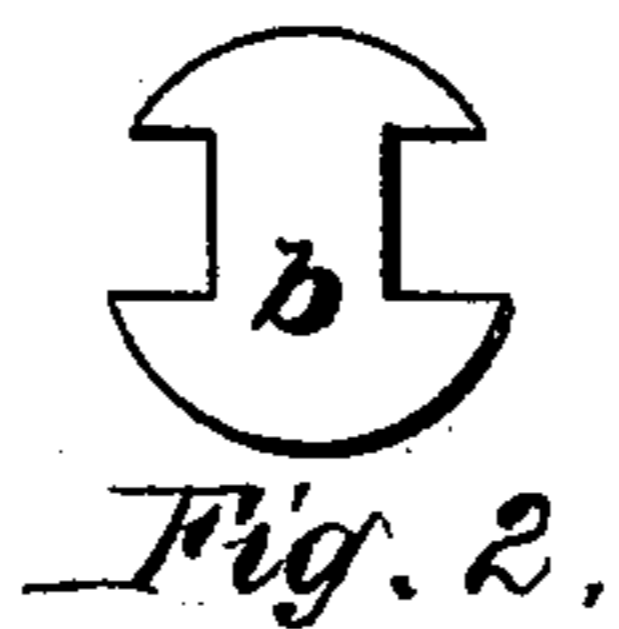
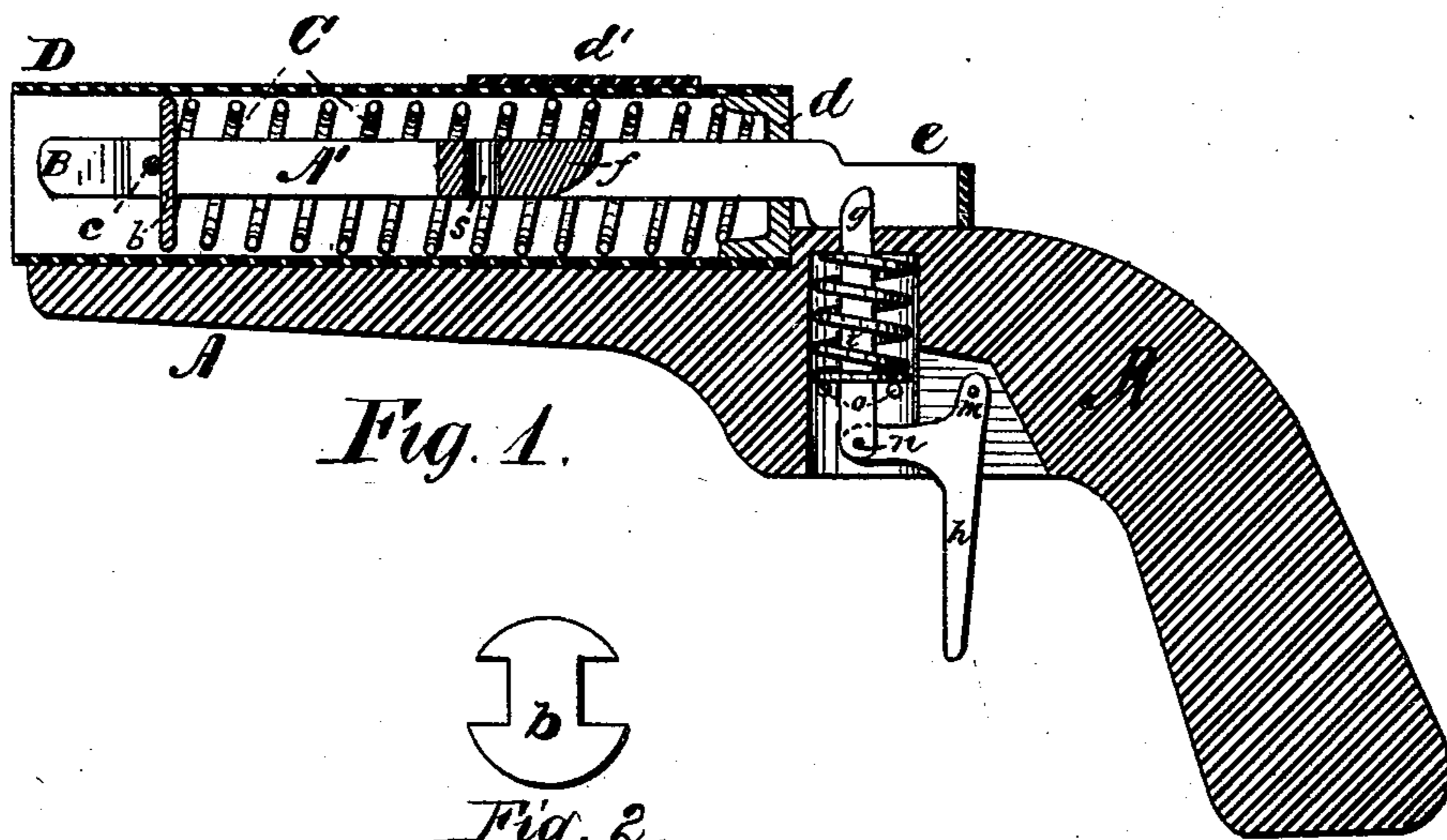


(No Model.)

J. F. CONNELLY.  
TOY MARBLE SHOOTER.

No. 262,644.

Patented Aug. 15, 1882.



Attest:

Charles H. Pee  
Chas. F. Winters

Inventor:

James F. Connelly,  
by O. Drake, atty

# UNITED STATES PATENT OFFICE.

JAMES F. CONNELLY, OF NEWARK, NEW JERSEY.

## TOY MARBLE-SHOOTER.

SPECIFICATION forming part of Letters Patent No. 262,644, dated August 15, 1882.

Application filed March 31, 1882. (No model.)

### *To all whom it may concern:*

Be it known that I, JAMES F. CONNELLY, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in the Process of and Means for Projecting Marbles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of this invention is to provide a device that will afford increased amusement for boys in playing marbles, and by the use of which marbles can be projected with accuracy and force.

The apparatus is simple in construction, durable, cheap, and not liable easily to get out of order.

It consists in the combination and arrangement of parts hereinafter fully set forth, illustrated, and finally embodied in the claims.

In the accompanying drawings, Figure 1 is a longitudinal section of a pistol embodying my improvements. Fig. 2 is a view of a detached portion; and Fig. 3 is a detail view of the clamp, spring, &c.

Similar letters of reference indicate corresponding parts in each of the several figures.

In carrying out my invention I construct a spring-clamp, A', of round or flat wire, provided with fingers B to receive and hold the marble, the normal tendency of which is to close gently upon the marble when it is inserted therein, as indicated in Fig. 3.

The body of the spring-clamp is encircled by a coiled spring, C, one end of which presses against a slotted or recessed disk, b, secured in position at the base of the fingers B by means of a pin, c, or by any other appropriate means, and the other end against the rear extremity or end, d, of the cylinder D, which incloses said clamp and spring, as clearly illustrated in Fig. 1. The said rear end, d, of the cylinder is provided with an aperture or apertures to admit of the free working therethrough of the said clamp, and the latter is provided with a suitable loop or finger piece, e, and a plate, f, rigidly secured therein, having a re-

cess or perforation, s, (see Figs. 1 and 3,) for the purpose hereinafter stated. Said cylinder is secured by means of a band, d', upon a suitable stock, A, which is provided with a trigger composed of a lever, h, sliding bolt g, and spring i, clearly shown in Fig. 1. The said bolt is provided with a beveled end, which is arranged to project upward through the stock and engage with the perforation s in the plate f at the proper time, for the purpose hereinafter stated.

The lever h is pivoted to the stock at m and to the sliding bolt at n. The spring i is arranged to encircle said bolt and to be secured thereto at the upper end of the recess in the stock, which forms the housing therefor, the opposite end being supported by suitable pins or projections, o, whereby the normal tendency of said spring is to hold the bolt into engagement with the said plate f until it is released by pulling back upon the lever h, as will be readily understood by reference to the drawings.

The device is designed and arranged to operate as follows: A marble is first inserted or pressed between the fingers of the clamp, which is then, with the marble, drawn backward by means of the finger-piece until the perforation or recess in the rigid plate engages with the bolt. The player then takes his aim and pulls the lever, thereby releasing and projecting the marble from the fingers with considerable force.

The clamp, spring, and cylinder may be used independently of the stock and trigger, or the clamp, spring, and parts b and d may be used independently of either the stock, trigger, or cylinder, as will be manifest.

What I claim is—

1. In a marble-projector, the combination, with the hollow cylinder D and stock A, of the sliding clamp A', provided with fingers B, recess or perforation s, finger-piece e, and disk or seat b, a spring, C, adapted to operate in conjunction with said cylinder and clamp, as described, and the trigger composed of a bolt, lever, and spring, all arranged and operating substantially as and for the purpose set forth.

2. A marble-projector consisting of a stock, A, cylinder D, clamp A', provided with seat b, finger-piece e, recess or perforation s, and fingers B, adapted to automatically grasp a marble, a spring, C, adapted to operate in con-

junction with said cylinder and clamp, as described, and a trigger, the several parts being arranged with relation to each other and operating substantially as described.

- 5 3. In a marble-projector, the combination, with the stock A and barrel D, of a marble-clamp, A', and spring C, the marble-receiving extremity of the clamp lying at or near the mouth of the barrel and the opposite extremity  
10 of said clamp projecting from the opposite end of the said barrel, forming a finger-piece adapt-

ed to allow the clamp to be drawn back preparatory to the process of projecting the marble, all substantially as herein set forth.

In testimony that I claim the foregoing I have 15  
hereunto set my hand this 21st day of March, 1882.

JAMES F. CONNELLY.

Witnesses:

CHAS. T. WINTERS,  
CHARLES H. PELL.