(No Model.)

J. RENNIE.

TOY GUN.

No. 467,238. Patented Jan. 19, 1892.

Fig. 1

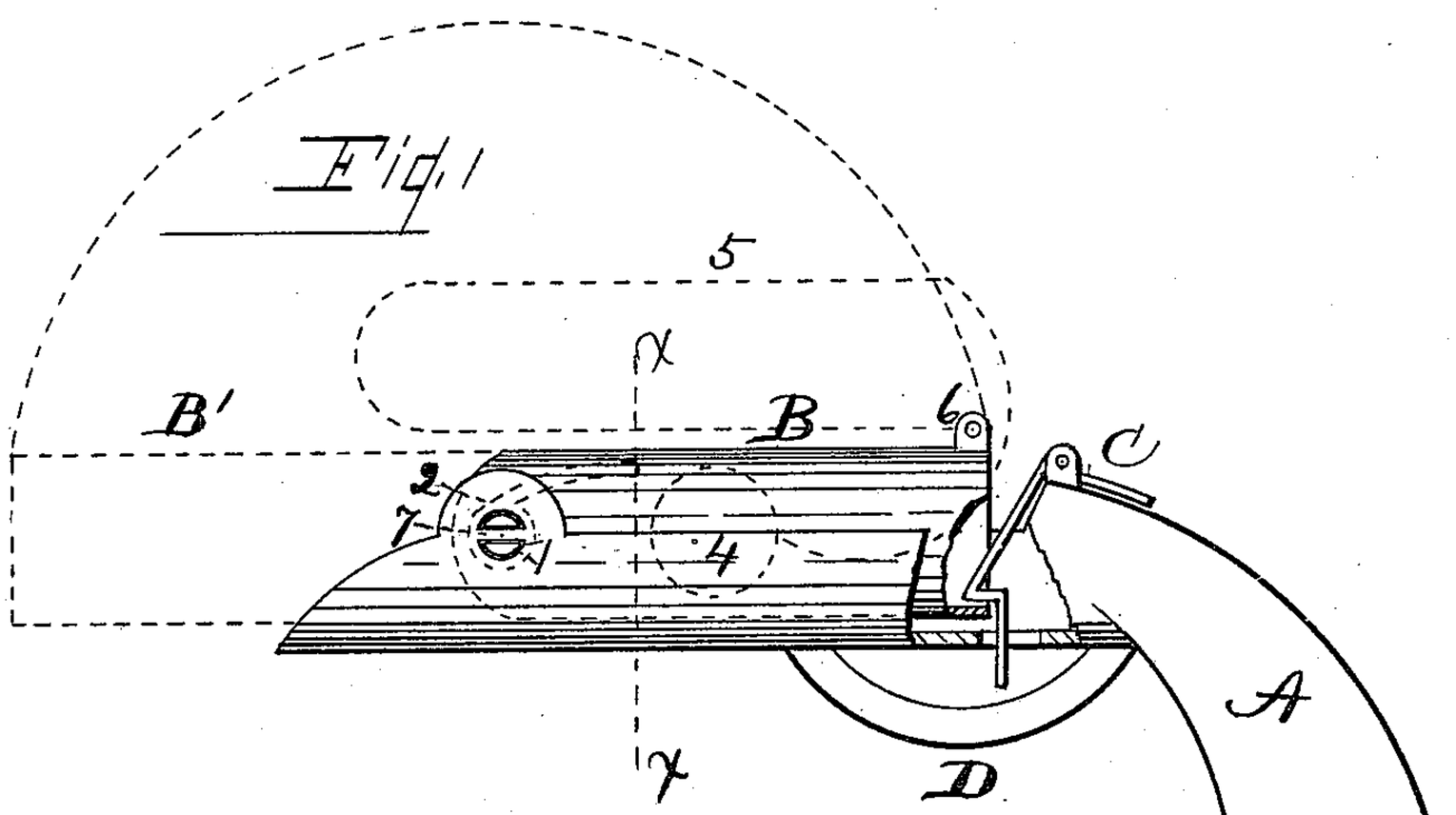

Fig. 2

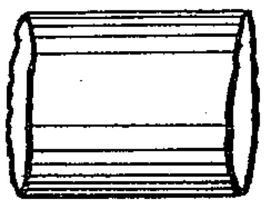

Fig. 3

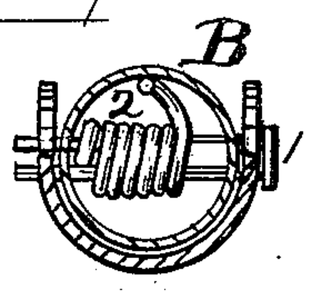

Fig. 4.

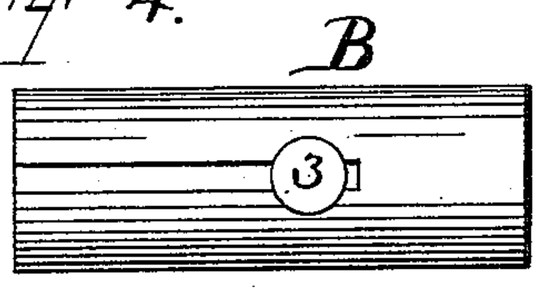

Fig. 5

Witnesses

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UNITED STATES PATENT OFFICE.

JOHN RENNIE, OF DAYTON, OHIO.

TOY GUN.

SPECIFICATION forming part of Letters Patent No. 467,238, dated January 19, 1892.

Application filed March 27, 1891. Serial No. 386,704. (No model.)

To all whom it may concern:

Be it known that I, JOHN RENNIE, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Toy Guns; and I do hereby declare that the following is a full, clear, and exact description of the invention, which 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 the letters and numerals of reference marked thereon, which form a part of this specification.

My invention relates to improvements in toy catapults, the features of which will be fully hereinafter described and claimed.

The object of my invention is to throw a ball from a toy catapult by the centrifugal force resulting from the revolving of the barrel through one-half of a revolution, said revolution being effected by a spiral spring connected with the pivot on which said barrel is supported. The object is accomplished by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side view of the toy catapult. Fig. 2 is a portion of the barrel. Fig. 3 is a transverse section on line *x*, Fig. 1. Fig. 4 is a view of the under side of the barrel. Fig. 5 is a side view of the arresting-pin.

In the several views like letters and numerals designate like parts.

The handle A comprises the part to be grasped by the hand, the semicircular part to hold the barrel, and with ears to support the pivot. The holes in the handle for the pivot 1 are circular on the back side, and on the front are two orifices, each somewhat less than a semicircle in form, thereby leaving the division 7. This division is embraced by the slotted end of said pivot, which prevents the same from turning in the handle. The end of the spiral coil 2 is held in said slot, while the other end bears upwardly against the inside of the barrel B. The barrel is a hollow cylinder provided with holes at the left end for the pivot. When desirable, the under surface may be slotted, as shown at Fig. 5, and in it placed the arresting-pin 3. The use of this construction is to arrest a marble or other spherical body when dropped into the barrel.

C is a trigger of spring-wire held on a pin at the top. The angular portion engages the interior of the barrel, and an extension through a slot in the handle is for the use of the finger in freeing the end of said barrel.

The circular dotted line 4 shows the position of the marble in the barrel when in readiness for the discharge.

A wooden sphere may be used, and a cord (represented by dotted lines 5) connecting the same with the lug 6 on the barrel.

The semicircular dotted lines show the movement of the end of the barrel, and the dotted lines B′ the position when the half-revolution has been effected.

To operate it, place a marble in the barrel, press the same down until engaged by the trigger, pull the same, and the marble is discharged by the centrifugal force engendered by the partial rotation of said barrel.

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

1. In a toy catapult, the combination of the handle provided with ears, with orifices for the pivot, the barrel held on a fixed pivot in said ears, the actuating-spring attached to said pivot, with the free end to engage the inner upper surface of said barrel, and the trigger to hold said barrel down in the handle and also to release the inner end of said barrel for the purpose of discharging the same, substantially as described.

2. In a toy catapult, the combination of the handle provided with ears, one having a circular orifice and the other having two nearly-semicircular orifices, the pivot with one end slotted to engage said orifices, the barrel held on said pivot, the actuating-spring attached in the slot of said pivot, with the free end to engage the inner upper surface of said barrel, and the trigger to hold said barrel down in the handle and also to release the inner end of said barrel for the purpose of discharging the same, substantially as described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JOHN RENNIE.

Witnesses:
B. PICKERING,
B. F. HERSHEY.