

No. 608,200.

Patented Aug. 2, 1898.

J. R. JESTER.
TOY CANNON.

(Application filed July 21, 1897.

(No Model.)

Fig. 1.

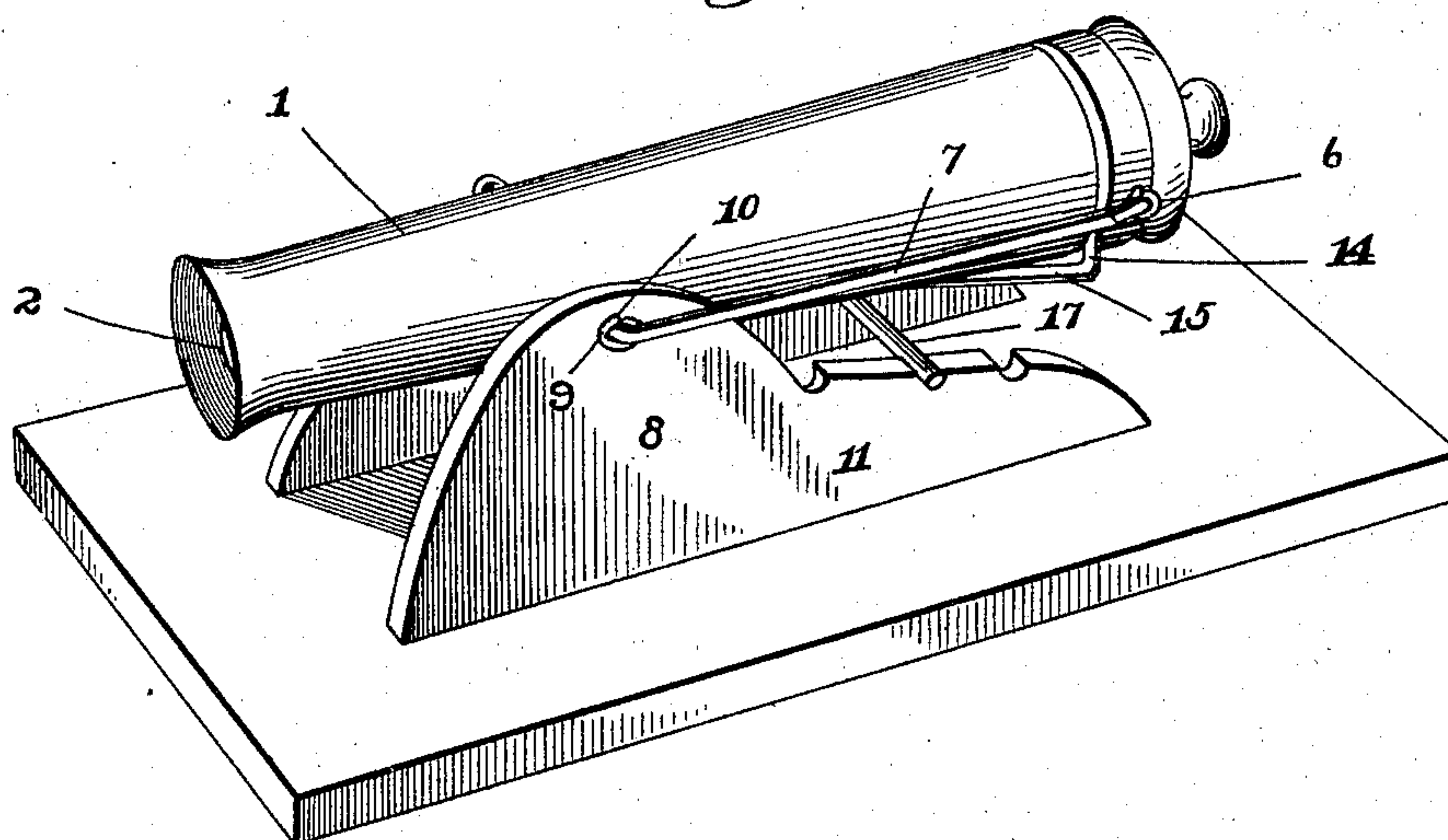


Fig. 2.

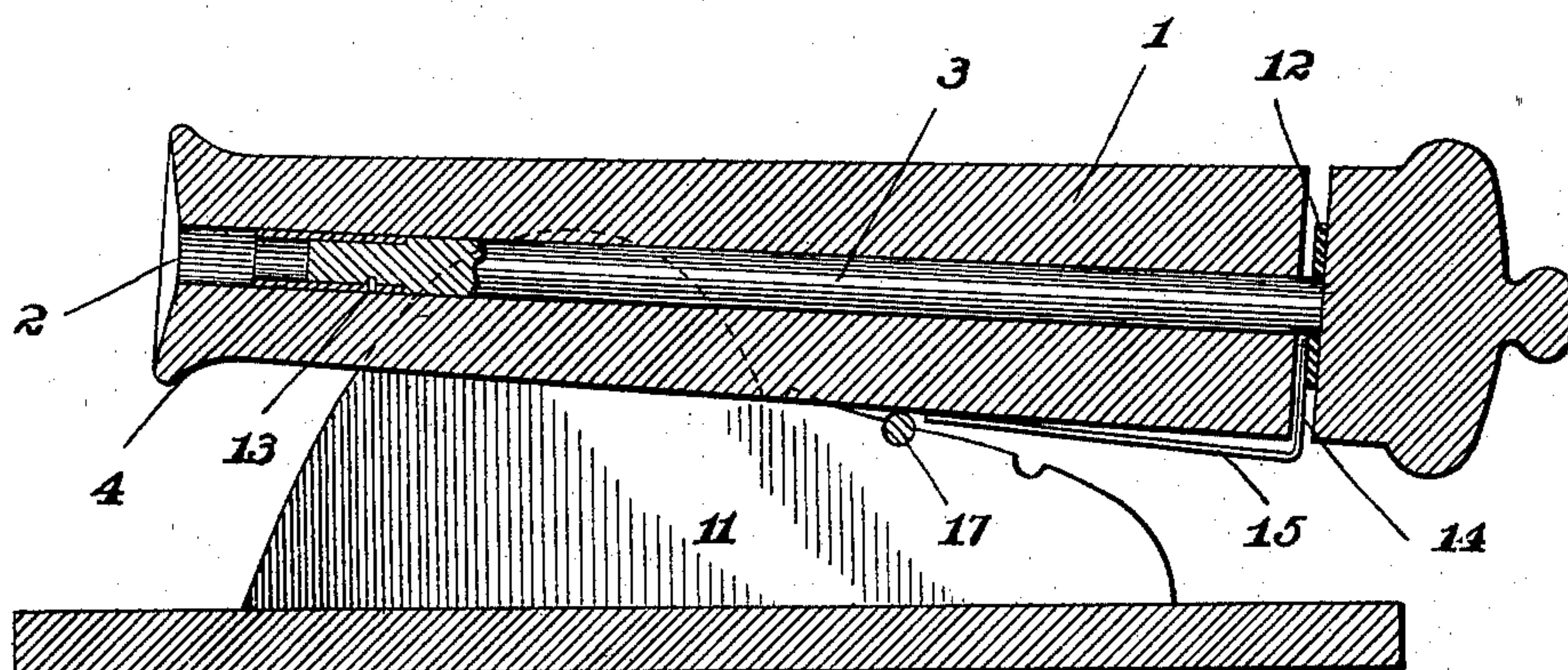
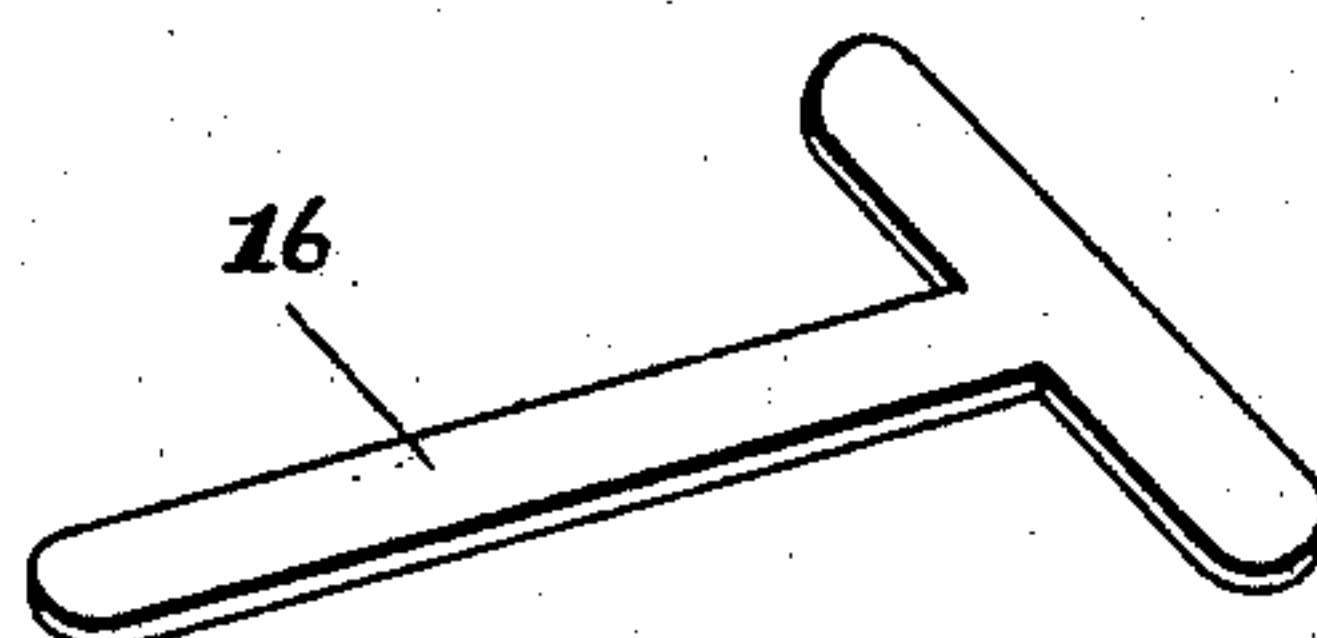


Fig. 3.



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TOY CANNON.

SPECIFICATION forming part of Letters Patent No. 608,200, dated August 2, 1898.

Application filed July 21, 1897. Serial No. 645,417. (No model.)

To all whom it may concern:

Be it known that I, JOHN ROBERT JESTER, of Church Creek, in the county of Dorchester and State of Maryland, have invented certain new and useful Improvements in Toy Cannons; 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.

My invention relates to a novel improvement in toy cannons; and it consists in the novel combinations and arrangements of parts that will be hereinafter fully described and claimed.

The object of the invention is to provide a toy of the character described that will be especially simple in construction, cheap, durable, and efficient in operation.

A further object of the invention is to provide a cannon the muzzle of which can be maintained at any desired angle.

I am enabled to accomplish the objects of my invention by the simple means illustrated in the accompanying drawings, in which—

Figure 1 represents a perspective view of my improved cannon. Fig. 2 is a central longitudinal section therethrough, and Fig. 3 is a perspective view of the means for releasing the plunger to fire the cannon.

Referring to the drawings, the numeral 1 indicates the main body of the cannon, which is longitudinally bored, as indicated by the numeral 2, and the numeral 3 indicates a plunger therein, provided at its forward end with the cup 4, adapted to receive the ball or missile, and at its rear end said plunger is connected to the breech of the cannon, which in the present instance is movable with relation to the body of the cannon, which movable portion at either side thereof is provided with an eye 6, to which are secured the rear ends of two elastic bands 7, extending from said eyes, and having their forward ends secured in eyes 8, formed in the outer ends of the trunnions 9, which pass through perforations 10 in the upper portion of the carriage 11 at opposite sides thereof and into the body of the cannon.

Interposed between the stationary or main body of the cannon and the movable breech thereof and encircling the plunger I prefer-

ably provide an elastic washer 12, which renders the cannon practically noiseless when the rear portion 2 is released to project the missile.

In the forward portion of the plunger I provide a notch 13, which is adapted to be entered by the upturned arm 14 of the spring 15, which is secured to the cannon-body at the under side thereof, and said spring is adapted to keep the plunger in an extended position or in position for firing.

The numeral 16 indicates a key which is formed, preferably, of metal and shaped to conveniently enter between the cannon-body and the upper portion of said spring, and said key is adapted to be turned to withdraw the vertical arm of the spring from the notch and permit the elastic bands to operate upon the breech portion of the cannon and cause the plunger to move suddenly forward, projecting the missile.

The carriage at its rear portion is provided with a series of semicircular notches adapted to receive a cross-bar 17, which may be placed in any of the notches desired and maintain the cannon at the different elevations.

It will be observed that the portions forming the trunnions of the cannon also form the means for securing the ends of the elastic bands and that the device as a whole is especially simple in construction and can be manufactured and sold at a very low figure.

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

1. In a toy of the character described, the combination with a suitable frame or carriage having an inclined rear portion provided with notches, a cannon pivotally secured to said frame or carriage and formed of a stationary forward portion and a rear or movable breech portion, a plunger secured to said movable portion and extending into the bore of the cannon and provided at its forward end with a cup adapted to receive the ball or missile, elastic bands connecting the movable portion with the frame or carriage, a spring secured to the under side of the cannon and having an arm extending upwardly between the stationary and movable portions of the cannon, the upper end of said arm being adapted to enter a notch in the plunger to maintain the

same in position for firing, a cross-bar adapted to rest in the notches in the rear portion of the carriage to maintain the cannon at any desired elevation, substantially as and for the purpose set forth.

2. In a toy of the character described, the combination with a suitable frame or carriage provided with an inclined rear portion provided with notches, a cannon pivoted in said frame or carriage and comprising a pivoted forward portion, a rearwardly-movable breech portion, a plunger secured to said breech portion and extending into the bore of the forward portion, eyes formed on the ends of the trunnions, and eyes upon the breech portion of the cannon, elastic bands connecting the eyes upon the trunnions and the eyes upon the breech portion, a spring secured to the underside of said cannon provided with a vertical arm adapted to enter a notch or notches

in the plunger for the purpose described, a cross-bar adapted to rest in the notches in the rear portion of the carriage, whereby the cannon is maintained at any desired angle, a key adapted to be inserted between the upper portion of the spring and the under side of the cannon and be partially turned to disengage the spring from said notch and fire the cannon, an elastic disk or washer interposed between the pivoted portion and the breech portion of the cannon, substantially as and for the purpose described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JOHN ROBERT JESTER.

Witnesses:

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S. HOWETH REID.