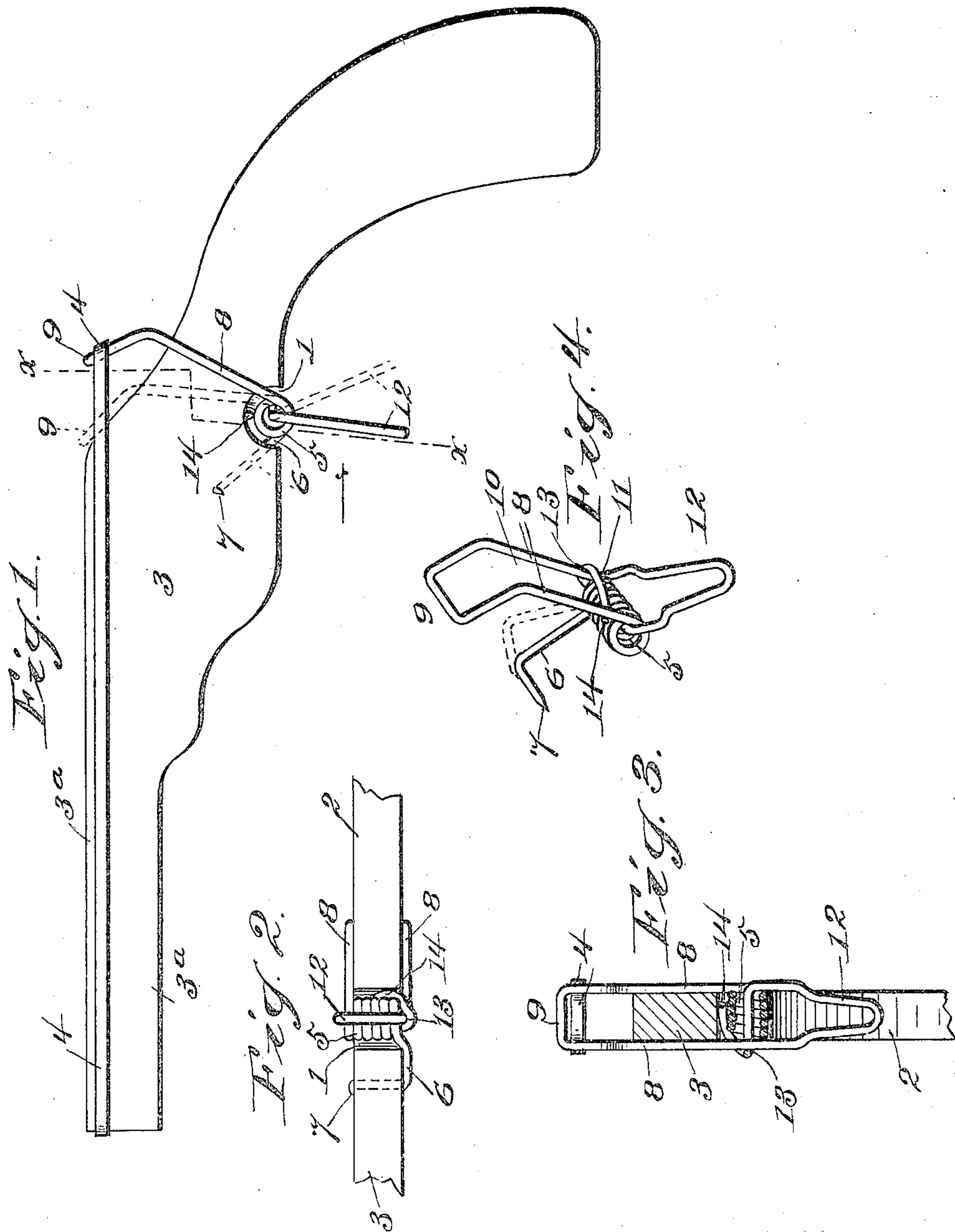


No. 808,621.

PATENTED JAN. 2, 1906.

F. M. BALL.  
TOY PISTOL.

APPLICATION FILED JAN. 25, 1905.



Witnesses  
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# UNITED STATES PATENT OFFICE.

FRANCIS M. BALL, OF FALLS CHURCH, VIRGINIA.

## TOY PISTOL.

No. 808,621.

Specification of Letters Patent.

Patented Jan. 2, 1906.

Application filed January 25, 1905. Serial No. 242,691.

*To all whom it may concern:*

Be it known that I, FRANCIS M. BALL, a citizen of the United States, residing at Falls Church, in the county of Fairfax and State of Virginia, have invented certain new and useful Improvements in Toy Pistols, of which the following is a specification.

This invention relates to toy pistols, and has special reference to the class of non-explosive toy pistols employing an elastic band or cord operated by a spring arm and trigger.

The object of the invention is to provide a toy pistol having a peculiar spring arm and trigger adapted to hold an elastic band on the pistol and to discharge it therefrom by operating the trigger.

A further object of the invention is to provide a toy pistol with a novel and peculiar spring arm and trigger consisting of a single piece of suitable wire, one end of which forms an anchor constituting the only means of attachment to the pistol and the other end of which forms a fulcrum-eye or loop in stretching an elastic from the muzzle of the pistol over the arm and in pulling the trigger to discharge the elastic from the arm and to cast it off from the muzzle.

Elastic bands have been heretofore employed on toy pistols in connection with spring-triggers; but as far as known to me such bands are attached to the muzzle or to some other part of the pistol and are not cast off from the pistol, so as to constitute the missile or pistol discharge. Spring-triggers having holding-arms in the same piece of wire have been employed to operate an elastic band or cord; but as far as known to me the peculiar construction of the combined trigger and arm out of a single piece of wire, as will be hereinafter fully disclosed, has not heretofore been accomplished.

It is therefore the purpose of this invention to furnish a toy pistol of simple and inexpensive construction and of such arrangement of parts that may be expeditiously assembled for holding an elastic band in position on the pistol and to be cast from the latter by pulling the trigger.

In the accompanying drawings, forming part of this application, Figure 1 is a side elevation of the pistol set for casting off the elastic and showing in dotted lines the position of the holding-arm and trigger to effect the cast off.

Fig. 2 is an inverted elevation partly broken away. Fig. 3 is a sectional view on the line *x x*, Fig. 1, looking in the direction indicated

by the arrow. Fig. 4 is a perspective view of the device, showing in dotted lines the anchor bent into position to permit the holding-arm to be slid over the pistol-handle.

The same numeral references denote the same parts throughout the several views of the drawings.

For purposes of simplicity, convenience, and economy the pistol-form is preferably made from thin board material in lots of great number, if desired, the concavity or semicircular edge notch 1 being formed during the cutting out of said forms or blanks. These forms may be given more or less ornamentation and be varied in shape and size, so long as the handle 2 is capable of being passed through the device and the stock 3 and muzzle 3<sup>a</sup> do not project above the top of the holding-arm.

The device for holding the elastic band stretched from the muzzle end comprises a single piece of ordinary or suitable wire having a spring-coil 5, from one end of which an anchor 6 projects and terminates in a point 7 adapted to pierce the pistol-stock from one side and be clenched upon the opposite side. From the other end of the coil the wire is extended upwardly and rearwardly to form arms 8 and then upwardly and forwardly in a loop to form the band-holding arm 9, with a space 10 sufficient to permit the pistol-handle to be passed therethrough. The wire is curved at 11 and depends from the coil 5 in a loop to form the trigger 12, whence the wire is passed through the coil and bent around the curve 11 to form a fulcrum-eye 13, this end 14 of the wire being folded over the coil and movable with the latter in the concavity 1 when the trigger is pulled.

In assembling the parts, the anchor being in the position shown in Fig. 4, the arms are slid over the pistol-handle until the coil drops into the concavity. The anchor-point is then driven into or through the stock, which fixes the holding-arm and trigger in position.

In operation the elastic band is simply placed over the muzzle end and hooked over the holding-arm, and a slight pull on the trigger will dislodge the band from the said arm and cast it off from the muzzle.

It will be seen that the device is of such character and has such connection with the pistol blank or form that should the latter become broken or disfigured it may be readily replaced by another and the said device preserved intact.

Having thus described my invention, what I



claim as new, and desire to secure by Letters Patent, is—

1. A device for operating elastic bands of toy pistols, comprising a single piece of wire having a coil-spring, a portion of the wire extending from each end of the coil over the pistol to form a holding-arm, said wire portion being extended from the coil ends and looped below the pistol to form a trigger.
2. A device for operating elastic bands of toy pistols, comprising a single piece of wire having a coil-spring, an anchor projecting from the coil, a holding-arm extending above the coil, and a trigger depending from the coil.
3. A device for operating elastic bands of toy pistols, comprising a single piece of wire having a coil-spring, a holding-arm extended over the coil, a trigger depending from the

coil, a fulcrum-eye at one end of the coil, and an anchor projecting from the coil.

4. In a toy pistol, the combination, with an elastic band adapted to be cast from the pistol, of a device for operating the band, comprising a single piece of wire having a coil-spring through which one end of the wire extends to form a fulcrum-eye, an anchor formed by the other end of the wire, a trigger looped below the coil, and arms projecting from the coil and extending forwardly over the coil to form a band-holding arm.

In witness whereof I hereunto set my hand in the presence of two witnesses.

FRANCIS M. BALL.

Witnesses:

C. T. BELT,

FRANK S. APPLEMAN.