

No. 809,059.

PATENTED JAN. 2, 1906.

L. H. HINAMAN.  
TOY PISTOL.

APPLICATION FILED JUNE 24, 1905.

Fig. 1

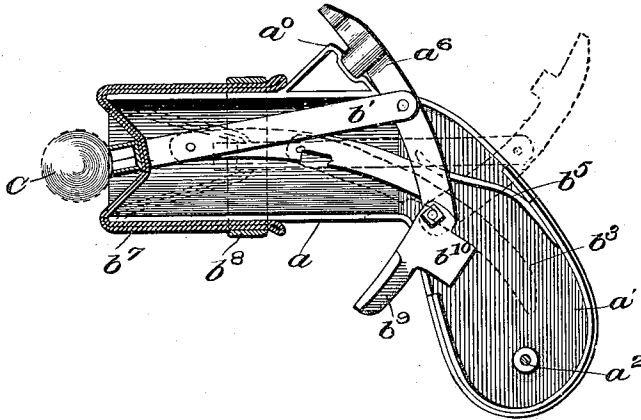


Fig. 2

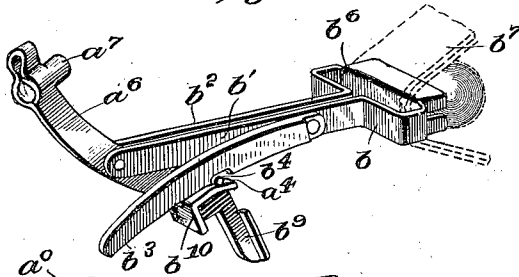
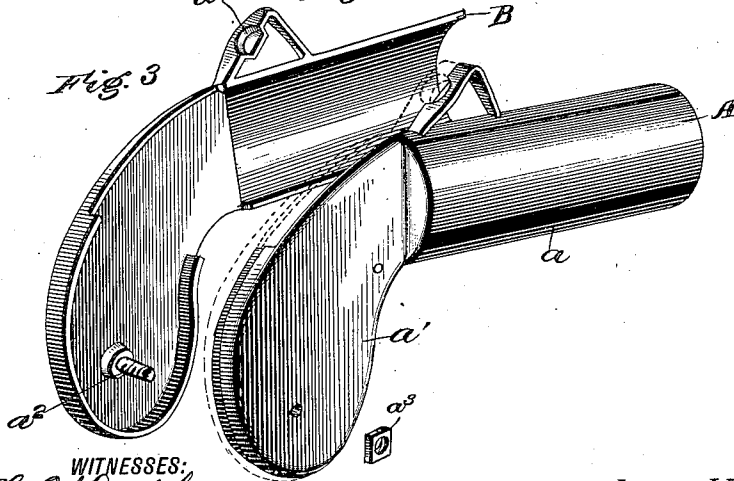


Fig. 3



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# UNITED STATES PATENT OFFICE.

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## TOY PISTOL.

No. 809,059.

Specification of Letters Patent.

Patented Jan. 2, 1906.

Application filed June 24, 1905. Serial No. 266,845.

*To all whom it may concern:*

Be it known that I, LOUIS H. HINAMAN, a citizen of the United States, and a resident of Port Jervis, in the county of Orange and State of New York, have invented certain new and useful Improvements in Toy Pistols, of which the following is a specification.

My invention is an improvement in toy pistols; and it consists in certain novel constructions and combinations of parts herein-after described and claimed.

Referring to the drawings forming a part hereof, Figure 1 is a vertical longitudinal section of my improved pistol. Fig. 2 is a view of the operating mechanism removed, and Fig. 3 is a perspective view of the two sections of which the pistol is composed.

In the practical application of my invention I provide a toy pistol comprising a casing composed of two symmetrical halves A and B, each half composed of a plate of metal or other suitable material stamped or cast in such manner that when the halves are fitted together they will form a pistol having a barrel *a* and a grip *a'*. Upon the barrel is arranged a cap-seat *a''* for receiving a paper cap. A bolt *a''*, traversing aligned openings in the two halves and having a nut *a'''*, is provided at the end of the grip portion for securing the parts together. A second bolt *a''* adjacent to the junction of the barrel and the grip is provided for assisting in securing the parts together and as a pivot-pin for the hammer and trigger. The hammer *a''*, pivoted to the bolt *a''*, extends upwardly through the casing and is provided with a firing-pin *a''* for coacting with the cap-seat *a''*. A plunger *b* is arranged within the barrel and is connected to the hammer by rearwardly-extending arms *b'* *b''*, integral with the plunger and pivoted to the hammer. Pivoted to the arm *b'* near the junction of the arms with the plunger is a rearwardly-extending curved arm *b'''*, having in the lower edge thereof a recess *b''*, adapted to engage the pivot-bolt *a''*, a spring *b''*, secured to one side of the casing, maintaining the arm normally in contact with the bolt. The trigger *b''*, also pivoted to the bolt *a''* and extending through the casing below, is provided with a lug *b''* for engaging the curved arm to release it from the pivot-bolt. The plunger *b* is provided with a transverse slot *b''*, through which is passed a rubber band *b''*, the free ends of the band

extending through the open end of the barrel and being brought back upon the barrel and secured thereon by a ring *b''*.

A marble *c* of ordinary form is used as a projectile.

In operation the hammer is drawn backward, pulling the plunger to the rear against the resistance of the rubber band, and the recess in the curved arm engaging the pivot-bolt retains the hammer in its elevated position and the plunger at the rear of the barrel. The projectile being dropped in the open end of the barrel and the cap placed in the cap-seat, a pull on the trigger will elevate the curved arm and release the hammer and explode the cap. The plunger is drawn forcibly forward, projecting the marble with considerable force.

It will be evident from the description that my invention although simple in construction is yet durable and not liable to get out of order. The pistol may be cheaply constructed by casting or stamping the different parts, no complicated mechanism being necessary in the operation. The plunger may be constructed of a strip of sheet metal, bent to form a slot for receiving the rubber band, and the free ends pivoted to the hammer, the hammer and trigger being also cut from sheet metal. When the rubber band is worn out, it may be easily replaced by slipping the ring off the barrel, removing the band, and applying a new one.

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

1. A toy pistol comprising a barrel and a grip formed of two symmetrical concave halves, a screw-threaded bolt traversing the halves adjacent the junction of the barrel and grip, a nut engaging the bolt to secure the halves together, a hammer pivoted to the bolt, a plunger slidably mounted within the barrel and provided with a transverse slot at its outer end, connecting-rods between the plunger and the hammer, a rearwardly-projecting arm on the plunger and provided with a recess for engaging the bolt, a spring for retaining the arm in engagement with the bolt, a trigger pivoted to the bolt, a lug on the trigger for releasing the arm, and a spring for actuating the plunger comprising a rubber band traversing the slot therein, the free ends of the band extending without the open

ends of the barrel, and a ring on the barrel for securing the ends of the band thereto, substantially as described.

- 5 2. A toy pistol comprising a casing composed of two symmetrical concave halves, formed to represent a barrel and grip, means for securing the halves together, a hammer pivoted within the grip, a plunger slidably mounted within the barrel, means connect-  
10 ing the hammer and the plunger, a rearwardly-extending arm on the plunger, means engaging the arm to retain it in its rearward position, a trigger for releasing said arm, and a spring for actuating the plunger compris-  
15 ing a rubber band secured at its central point to the plunger, the free ends extending through the open ends of the barrel and a ring for securing the ends of the band to the barrel, substantially as described.
- 20 3. A toy pistol comprising a casing composed of two symmetrical halves secured together and shaped to represent a pistol barrel and grip, a sliding plunger within the barrel, a hammer pivoted within the grip, con-  
25 nections between the hammer and the plunger whereby when the hammer is set the plunger will be drawn to the rear of the barrel, means for retaining the hammer in the set position, a trigger for releasing said re-  
30 taining means, and a spring for actuating the

plunger comprising a rubber band secured thereto, and extending outwardly through the open end of the barrel, and a ring on the barrel engaging the ends of the rubber band to retain it in position, substantially as de- 35 scribed.

4. A toy pistol comprising a casing, a plunger slidably mounted therein, a hammer, means whereby when the hammer is set the plunger is drawn to the rear, means for re- 40 taining the hammer in its set position, a trigger for releasing said retaining means, elastic means for actuating the plunger connected therewith and extending without the open end of the barrel, and a ring on the barrel en- 45 gaging said elastic means.

5. A toy pistol comprising a casing, a plunger slidably mounted therein, a hammer, means whereby when the hammer is set the plunger is drawn to the rear, means for re- 50 taining the hammer in its set position, a trigger for releasing said retaining means, elastic means for actuating the plunger connected therewith and extending outwardly through the open end of the barrel, and means on the 55 barrel for engaging said elastic means.

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Witnesses:

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