No. 807,460. PATENTED DEC. 19, 1905.

O. L. HARRISON.

TOY PISTOL.

APPLICATION FILED FEB. 15, 1905.

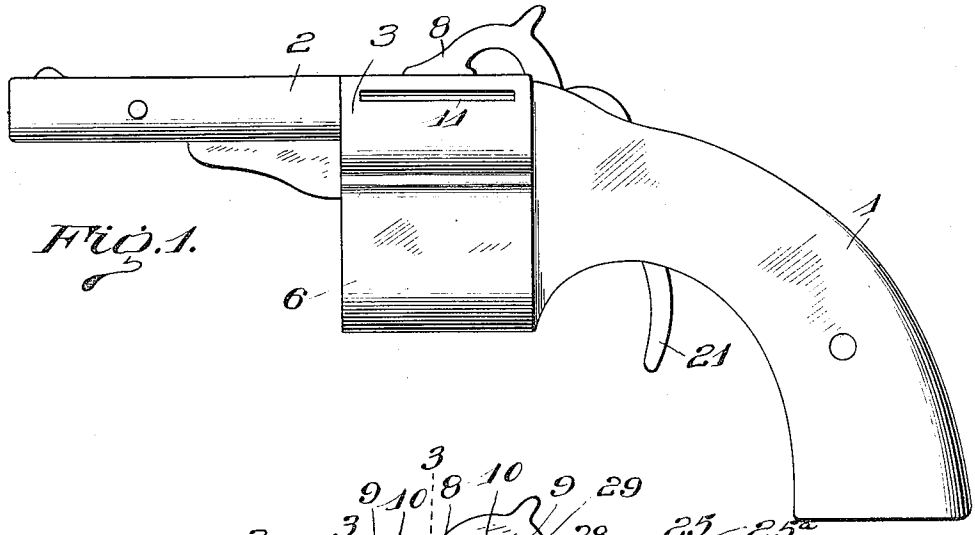


FIG. 1.

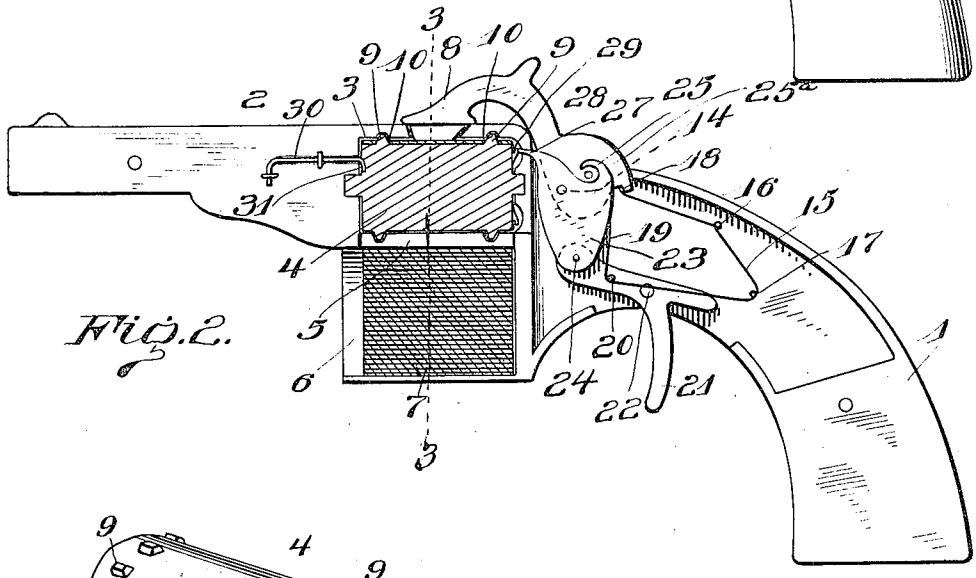


FIG. 2.

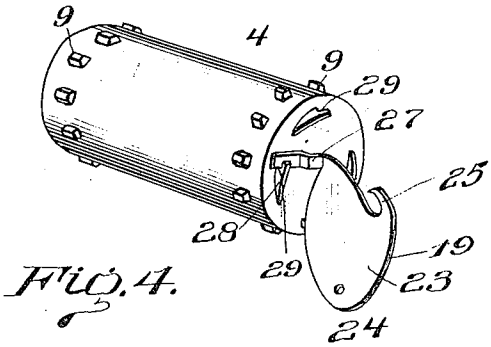


FIG. 4.

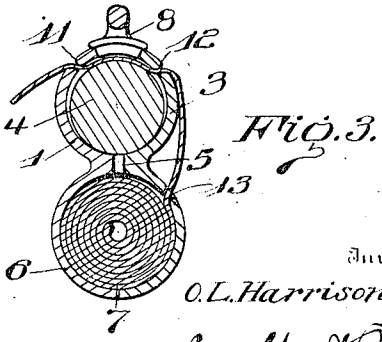


FIG. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

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TOY PISTOL.

No. 807,460. Specification of Letters Patent. Patented Dec. 19, 1905.

Application filed February 15, 1905. Serial No. 245,688.

To all whom it may concern:

Be it known that I, OWEN L. HARRISON, a citizen of the United States, residing at Egan, in the county of Ogle and State of Illinois, have invented a new and useful Toy Pistol; 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.

The invention relates to a toy pistol, and has for its object to improve the construction of toy pistols and to provide an exceedingly simple and inexpensive one adapted to feed a fulminate ribbon beneath the hammer of the pistol for enabling the latter to be successively discharged in the open air without liability of being affected by the wind.

With these and other objects in view the invention consists in the construction and novel arrangement of parts hereinafter described and shown, and particularly pointed out in the appended claims.

In the drawings forming part of this invention, and in which like numerals of reference designate corresponding parts, Figure 1 is a side elevation of a toy pistol constructed in accordance with this invention. Fig. 2 is a similar view, one of the sections of the frame of the pistol being removed to show the interior construction. Fig. 3 is a transverse sectional view on the line 3 3 of Fig. 1. Fig. 4 is a detail perspective view illustrating the construction of the cylinder and the actuating-dog.

Referring to the drawings, 1 designates the frame of the pistol divided longitudinally and consisting of two sections of cast metal or other suitable material suitably connected together by rivets or other fastening means. The frame is provided at the inner end of the barrel 2 with a large cylindrical portion or chamber 3, in which is arranged a cylinder 4 and which is provided at the bottom with a slot 5, communicating with a magazine 6. The magazine consists of a cylindrical casing open at the front end and adapted to receive a roll of fulminate ribbon 7, which is fed beneath the hammer 8 by the cylinder 4. The cylinder 4 is provided near its ends with circumferential series of lugs 9, which engage openings 10 of the ribbon. The enlargement or casing 3 of the frame of the pistol is provided at opposite sides with slots 11 and 12, and the hollow cylindrical magazine is provided at the right-hand side with a slot 13. The ribbon leaves the magazine through the slot 13 and passes through the slots 11 and 12 of the casing, the cylinder feeding the fulminate portions of the ribbon beneath the hammer.

The hammer, which is mounted on a pivot 14, is engaged by a mainspring 15, which is composed of upper and lower portions and which is mounted on suitable studs 16 and 17. The upper portion engages a notch 18 of the hammer, and the lower portion, which is approximately L-shaped, has an upwardly-extending arm and is arranged on a pin or projection 20 of the trigger 21. The trigger 21 is pivoted within the handle of the pistol on a rivet 22 or other suitable fastening device, and it is pivotally connected at its front end to the lower portion of a cylinder-actuating dog 23. The cylinder-actuating dog 23, which is approximately heart-shaped, has its lower end pierced by the pivot 24, which connects it to the trigger. The upper portion of the dog is provided with a hook 25, which receives a laterally-extending pin or projection of the hammer. The front portion of the dog is provided with a laterally-extending arm 27, arranged to engage a series of projecting flanges 28, which have inclined rear edges with notches or recesses 29 and are approximately triangular.

When the trigger is pulled back, the dog is drawn downward, thereby partially rotating the cylinder and simultaneously cocking the hammer as the hook 25 engages the lateral projection 25^a, which is located in rear of the pivot 14. As soon as the trigger is released the mainspring throws the hammer forward to discharge the pistol, and the hammer returns the dog to its initial position, as the lateral projection 25^a will engage the hook and lift the dog. The rear edge of the dog is grooved to receive the arm 19 of the mainspring and in the upward movement of the dog over the inclined edge of the adjacent flange the said dog is forced rearward until it passes the flange. It is then thrown forward by the spring into position for engaging the flange.

The opposite slots of the enlargement or chamber of the frame will admit of a fulminate-ribbon being passed directly through the frame from the roll within the lower chamber or magazine.

The cylinder is held against backward movement by a catch 30, consisting of a sub-

stantially L-shaped spring having one arm arranged to engage a series of shoulders 31 of the front end of the cylinder.

What I claim is—

1. A toy pistol comprising a frame having a chamber and provided at opposite sides thereof with ribbon-receiving slots, a cylinder arranged within the chamber for feeding the ribbon, a hammer and lock mechanism for actuating the hammer and the cylinder, substantially as described.

2. A toy pistol comprising a frame provided at opposite sides with ribbon-receiving slots, a hammer operating between the slots and lock mechanism for actuating the hammer, substantially as described.

3. A toy pistol comprising a frame having upper and lower chambers, the upper chamber being provided with opposite ribbon-receiving slots, and the lower chamber forming a magazine and being open at the front, and provided at one side with a slot, a hammer operating between the slots of the chamber, a cylinder located within the chamber for feeding a ribbon, and lock mechanism for actuating the hammer and the cylinder, substantially as described.

4. A toy pistol comprising a frame, a cylinder having approximately triangular flanges, a hammer, a trigger, a dog loosely connected with a hammer and pivoted to the trigger and provided with an arm for engaging the said flanges, and a mainspring, substantially as described.

5. A toy pistol comprising a frame, a cylinder having projecting flanges, a hammer provided with a projection, a trigger, a dog pivoted to the trigger and having a hook for engaging the projection of the hammer, said dog being also provided with an arm arranged to engage the flanges of the cylinder, and a mainspring engaging the hammer, the trigger, substantially as described.

In testimony whereof I have hereto affixed my signature in the presence of two witnesses.

OWEN L. HARRISON.

Witnesses:

E. H. HEITER,

C. R. BERZZELL.