Oct. 26, 1954 B. H. FLORES, JR 2,692,593

TOY PISTOL

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Fig. 1

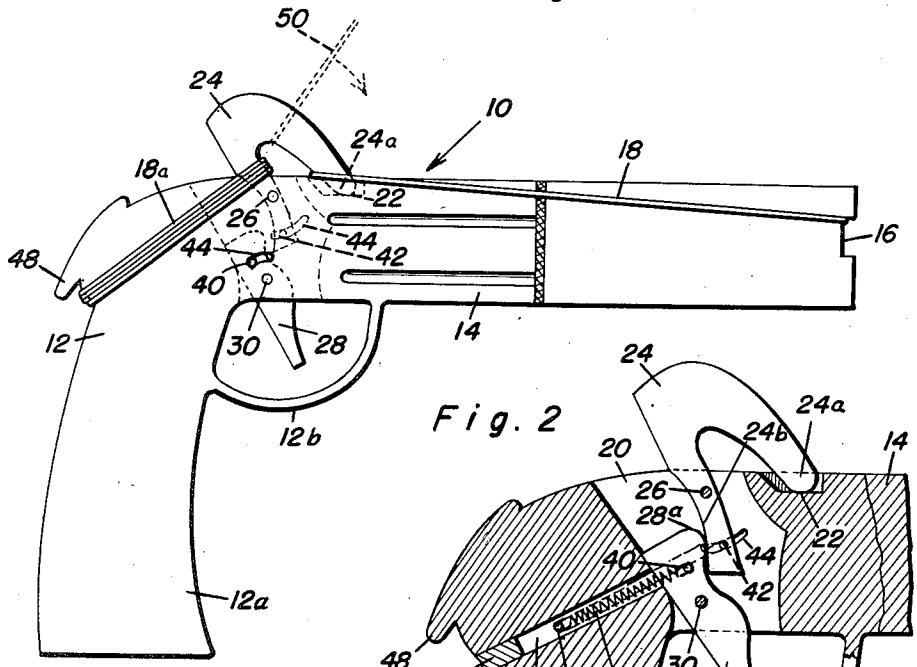


Fig. 2

Fig. 3

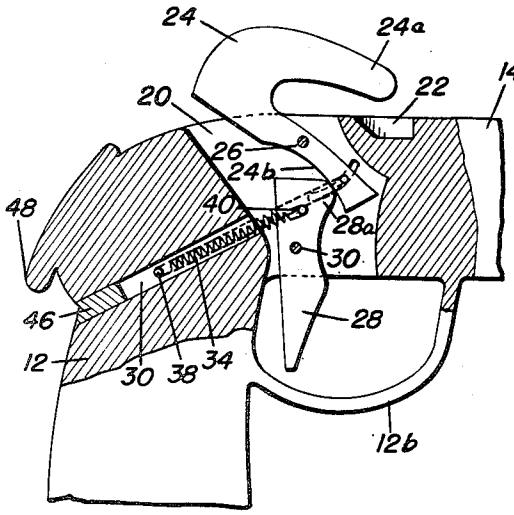
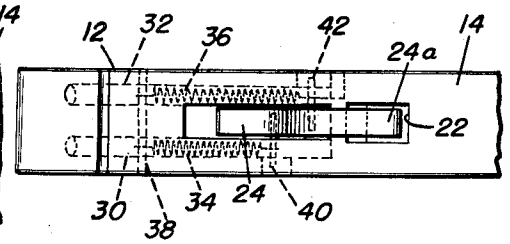


Fig. 4



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TOY PISTOL

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1 Claim. (Cl. 124—18)

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This invention relates to new and useful improvements and structural refinements in toy pistols, particularly toy pistols employing a resilient rubber band as a projectile, and the principal object of the invention is to provide a toy pistol of the character herein described, employing a novel trigger and hammer means.

Another object of the invention is to provide the stock of the toy pistol with a keeper hook which is engageable with a plurality of rubber bands trained over the hammer, such bands being held in reserve while another rubber band is stretched from the hammer to the front end of the barrel in readiness for firing.

Some of the advantages of the invention reside in its simple but sturdy construction, in its efficient operation and in its adaptability to economical manufacture.

With the above more important objects and features in view and such other objects and features as may become apparent as this specification proceeds, the invention consists essentially of the arrangement and construction of parts as illustrated in the accompanying drawings, in which:

Figure 1 is a side elevational view of the invention;

Figure 2 is a fragmentary side elevational view, partially in section, so as to illustrate the arrangement of the trigger and hammer mechanism, the same being shown in its cocked position;

Figure 3 is a fragmentary view, similar to that shown in Figure 2, but illustrating the trigger and hammer release; and

Figure 4 is a fragmentary top plan view of the stock of the pistol.

Like characters of reference are employed to designate like parts in the specification and throughout the several views.

Referring now to the accompanying drawings in detail, the toy pistol is designated generally by the reference character 10 and embodies in its construction a stock 12 including a grip 12*a* and a trigger guard 12*b*, while a barrel 14 is formed integrally with the stock and is provided at its forward end with a notch 16 to receive a projectile in the form of a rubber band 18.

The stock 12 is formed with a recess 20 open at the top and bottom thereof, and the upper portion of the stock is also provided with a depressed socket 22 disposed forwardly of the recess, as is best shown in Figures 2 and 3.

An inverted hook-shaped hammer 24 is pivotally mounted upon a transverse pin 26 in the recess 20, the hammer 24 projecting upwardly

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from the recess and its downturned nose portion 24*a* being receivable in the socket 22, when the hammer is in its cocked position as shown in Figures 1 and 2.

A trigger 28 is also pivotally mounted in the recess 20 on a transverse pin 30 and projects downwardly from the recess into the guard 12*b*. The trigger 28 has a nose portion 28*a* which is engageable with the cam surface 24*b* of the hammer 24, the arrangement being such that when the trigger is pulled rearwardly from the position shown in Figure 2 to the released position shown in Figure 3, the nose portion 24*a* of the hammer 24 is swung upwardly and rearwardly out of the socket 22.

The stock 12 is also provided with a pair of spaced, parallel bores 30, 32 having tension springs 34, 36, respectively, disposed therein and anchored by means of a common, transversely extending pin 38. The spring 34 is connected to a laterally projecting pin 40 on the trigger 28 so as to urge the trigger to its initial inoperative position as shown in Figure 2. Similarly, the spring 36 is connected to a laterally projecting pin 42 on the hammer 24 so as to urge the hammer to its initial, cocked position. The pins 40, 42 are freely movable in arcuate slots 44 provided in the sides of the stock 12 and the rear ends of the bores 30, 32 are closed by suitable plugs 46.

After a projectile band 18 has been stretched over the barrel 14, it is engaged with the downturned nose portion 24*a* of the hammer 24 while the hammer nose portion is disposed in the socket 22, as shown in Figures 1 and 2. Thereupon, by depressing the trigger 28, the hammer 24 will be actuated so that the nose portion 24*a* thereof will be withdrawn upwardly and downwardly from the socket 22, thus automatically releasing the projectile.

A plurality of reserve projectile bands 18*a* may be entrained over the hammer 24 and engaged with a keeper hook 48 which is formed on the stock 12 rearwardly of the recess 20, so that after one projectile has been discharged, the next projectile from the reserve 18*a* may be swung forwardly on the hammer 24 as indicated at 50 in Figure 1, in readiness to be stretched over the barrel.

It is believed that the advantages and use of the invention will be clearly understood from the foregoing disclosure and, accordingly, further description thereof at this point is deemed unnecessary.

However, since numerous modifications and changes will readily occur to those skilled in the

art, it is not desired to limit the invention to the exact construction shown and described, and accordingly all suitable modifications and equivalents may be resorted to falling within the scope of the appended claim.

What is claimed as new is:

A toy pistol for use with resilient band projectiles, said pistol comprising a stock provided with a recess open at the top and bottom thereof and with a depressed socket in the top of the stock forwardly of said recess, a barrel extending from said stock and having a notch at the front end thereof to receive an elastic band, an inverted hook-shaped hammer pivotally mounted in said recess and projecting upwardly from the stock, a downturned portion of the hammer seating in said socket when the hammer is in its cocked position to establish its cocked position, a trigger pivotally mounted in said recess and projecting downwardly therefrom, said trigger being operatively engageable with said hammer whereby the

hammer may be withdrawn from said socket to release a rubber band when the trigger is depressed, a pair of contractile springs anchored in said stock for urging said trigger into ineffective position and the hammer into cocked position, respectively, lateral pins on said hammer and trigger to which said springs are connected, respectively, to operatively connect said springs to said hammer and trigger, and arcuate slots in said stock in which said pins work to prevent disconnection of the springs from said pins.

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