

(No Model.)

J. W. WILDMAN.  
TOY PISTOL.

No. 599,135.

Patented Feb. 15, 1898.

Fig. 1.

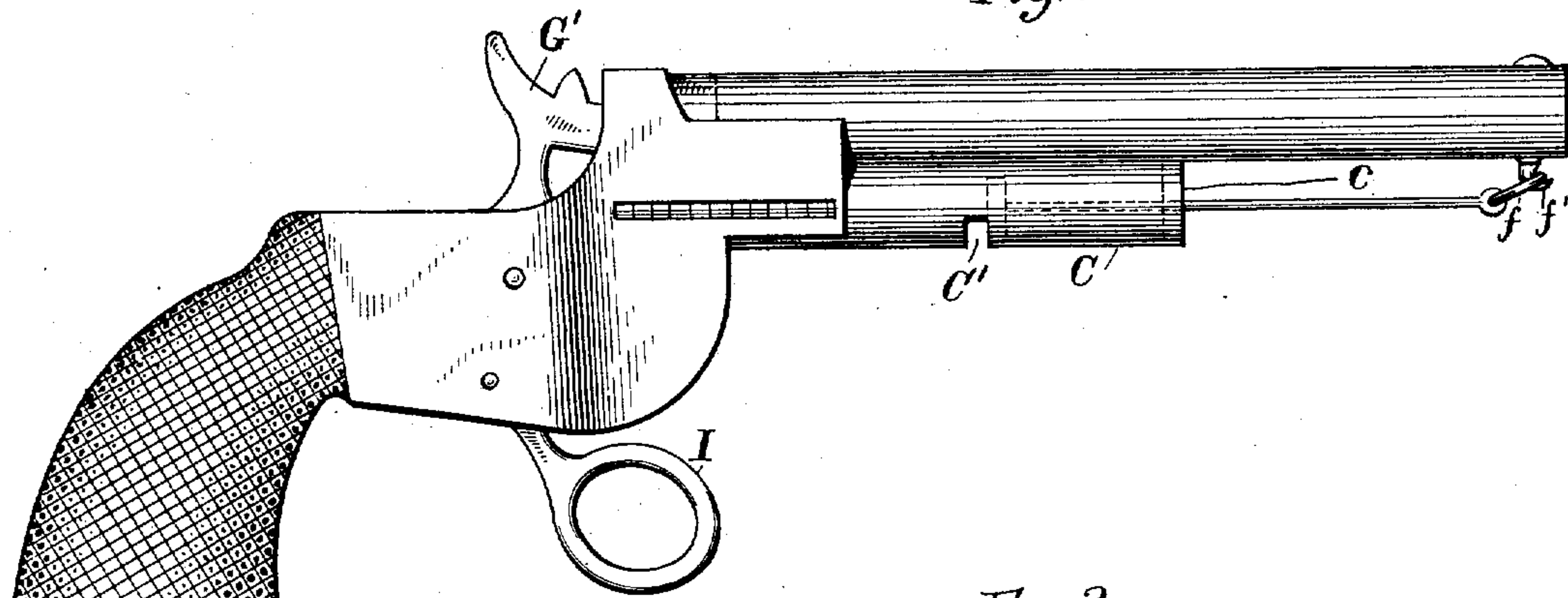


Fig. 2.

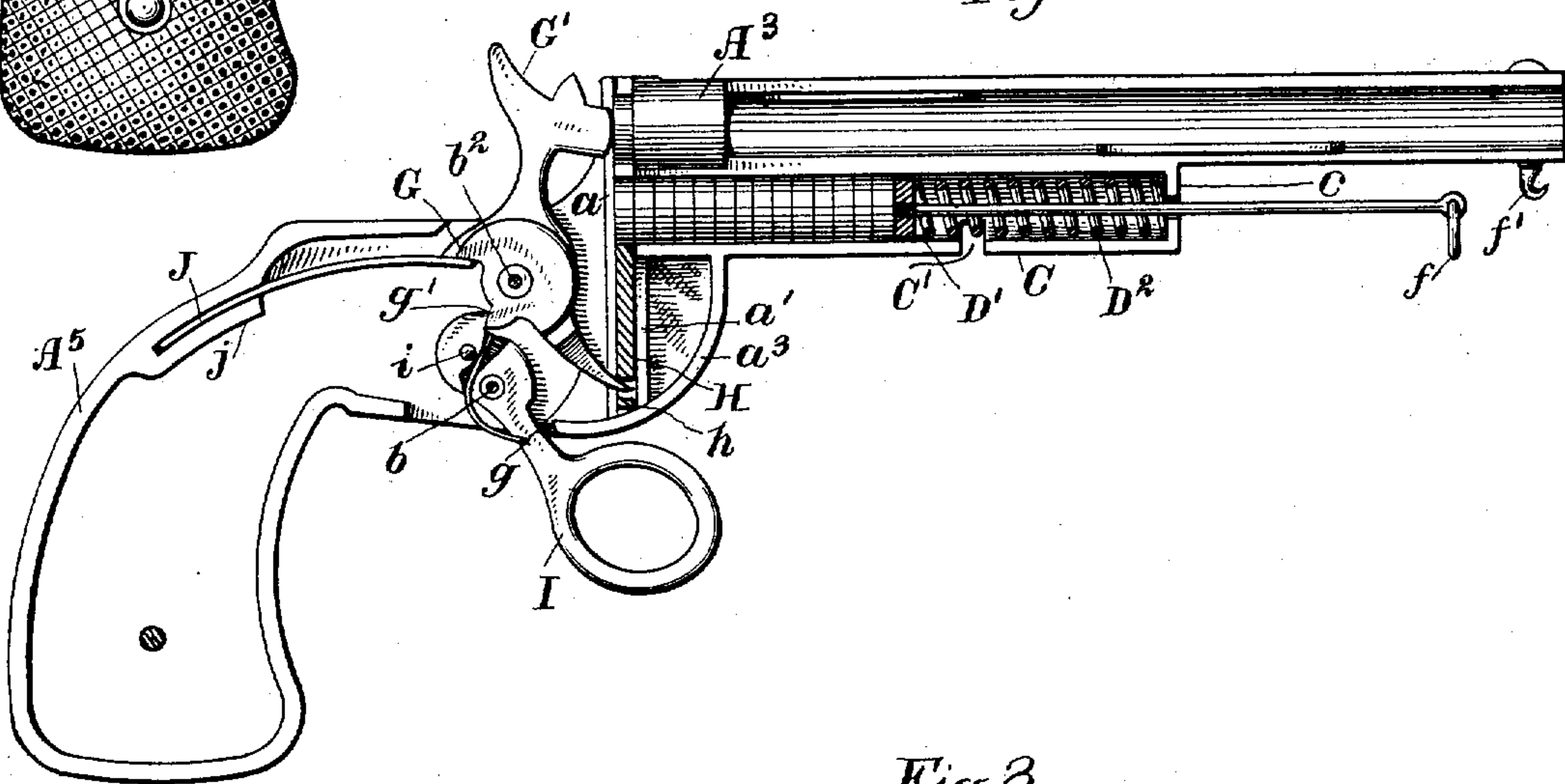


Fig. 3.

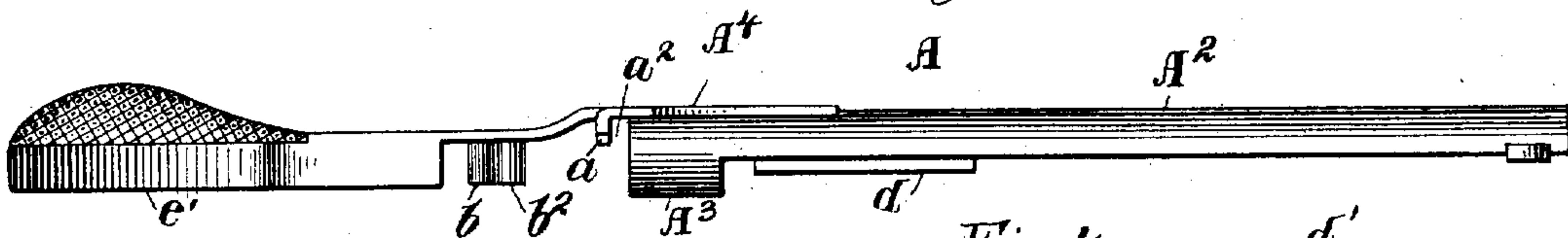
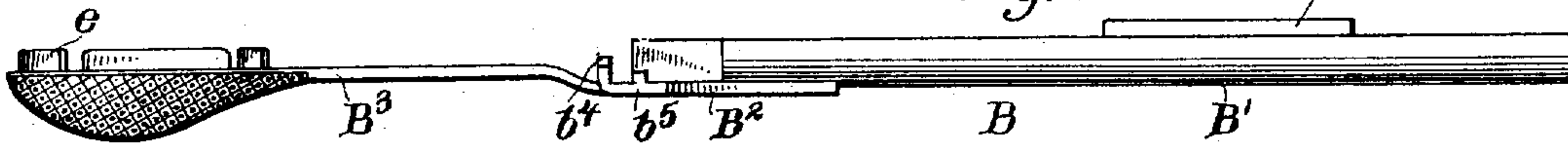


Fig. 4.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

JOHN W. WILDMAN, OF BROOKLYN, NEW YORK.

## TOY PISTOL.

SPECIFICATION forming part of Letters Patent No. 599,135, dated February 15, 1898.

Application filed January 19, 1897. Serial No. 619,729. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN W. WILDMAN, a citizen of the United States, residing in Brooklyn, Kings county, in the State of New York, have invented a certain new and useful Improvement in Toy Pistols and Ammunition Therefor, of which the following is a specification.

This invention relates to toy pistols; and it consists in the simple and efficient construction hereinafter fully described and claimed.

In the drawings accompanying this specification, Figure 1 is a side view of a toy pistol embodying my improvements. Fig. 2 is a central vertical longitudinal section of the same. Figs. 3 and 4 are plan views of the castings constituting the main part of the pistol.

In said drawings, A and B designate two castings. The casting A comprises one-half A<sup>2</sup> of the barrel, the cylindrical exploding anvil or block A<sup>3</sup>, side plate A<sup>4</sup> of the breech, and one-half section A<sup>5</sup> of the stock or handle. This casting is provided on its inner side, contiguous to the exploding-face of the block A<sup>3</sup>, with an inwardly-extending rib *a*, a similar rib *a'* and parallel therewith being vertically located beneath the firing-block, so as to form, in connection with the rib first mentioned, one side of a guideway *a*<sup>2</sup>. The casting A on its inner side, somewhat to the rear of the breech portion, has horizontal transverse lugs *b* *b*<sup>2</sup>. The other casting B presents the second section B' of the barrel, the breech-plate B<sup>2</sup> at the opposite side, and the balance B<sup>3</sup> of the stock. This casting also integrally carries an inwardly-extending rib *b*<sup>4</sup>, corresponding to the rib *a*, and a lower and shorter but parallel rib *b*<sup>5</sup>, corresponding to the rib *a'*. The ribs *b*<sup>4</sup> and *b*<sup>5</sup>, in connection with those formerly mentioned, constitute the vertical guideway alluded to.

The casting A, in addition to the parts described, is also provided with the front face portion *a*<sup>3</sup> and also one-half of a longitudinal magazine C, beneath the barrel and extending forwardly from the breech. The rear end of the magazine communicates with the guideway, while its forward end is closed by a head *c*, having a central perforation. The magazine is medially provided with a transverse

slot *c'* of such dimensions as to permit the insertion of an ammunition-disk of the requisite bulk or dimensions.

The castings A and B, at the barrel portions thereof, have interlocking tongues *d* *d'*, which insure their rigid engagement when secured together. A somewhat similar provision is afforded for the stock or handles by causing tongues *e* to enter within a joint-flange *e'* on the opposite section.

D refers to a spindle which plays longitudinally through the opening in the head *c* of the magazine and carries within the latter a piston or follower D', between which and the head *c* an expanding spiral spring D<sup>2</sup> is interposed and normally tends to force the piston to the rear of the magazine. The outer end of the spindle is provided with a loop *f*, which serves as an operating-handle to effect the retraction of the piston and compression of the spring and also permits the parts to be retained in such retracted position by the engagement of said loop with a hook *f'*, depending from the under side of the forward end of the barrel.

The tumbler G of the hammer G' is pivotally mounted upon the lug *b*<sup>2</sup> and has its forwardly and downwardly extending finger *g* engaging the notch *h* in the lower end of a slide-plate H, moving vertically in the guideway.

The trigger I is mounted, as customarily, upon a pivot and carries the usual spring-dog *i* for engaging in the nose *g'* of the tumbler when moved in one direction and permits said nose to clear the same when the hammer strikes the anvil under the force exerted by the mainspring J. This latter is of simple leaf form, and for the sake of compactness the handle-section of the casting A is interiorly provided with a recessed offset *j*, in which the rear end of the mainspring J snugly sets.

It will not be difficult to understand the operation of the pistol. By pulling back the trigger the hammer will be thrown back and then permitted to drive forward in the manner of the well-known double-acting principle, the rearward movement of said trigger causing the slide-plate H to be elevated, so as to raise and hold the ammunition-disk in



line with the hammer impact, the next receding movement of the trigger effecting the dislodgment of the exploded disk. The spring-pressed follower D' causes an additional ammunition-disk to move immediately above the slide-plate when the latter drops below the bottom of the magazine. It will be seen in Fig. 2 that the inner upper edge of the slide-plate is beveled to avoid any possible engagement with any part of the disk succeeding that to be elevated.

The magazine contiguous to the breech has a longitudinal slot I, through which the feed of the ammunition-disk can be noted at all times, and any difficulty arising from binding or jamming can be quickly ascertained and obviated.

By providing the anvil with the rear plane vertical face the ejectment of the exploded disk by that succeeding is insured, as there will be no anvil recess or depression into which the material of the disk can be forced by the hammer impact.

Modifications may be made without departing from the principle or sacrificing the advantages of the invention.

It will be obvious that I can employ hammer-and-trigger mechanism operating on the single-acting principle in lieu of the double-acting arrangement described.

Manifestly the two main castings or two castings constituting the major portion of the article enable it to be economically manufactured. In practice it will be desirable to make these castings with smooth finish, so as to approach more nearly the appearance of a regular pistol, and such finish will also adapt the article for plating or other ornamental surfacing.

I claim as my invention—

1. In a toy pistol, the combination of the castings A and B, the former including the anvil A<sup>3</sup>, located at the breech with the rear vertical plane serving as an exploding-face

an ammunition-magazine formed by the two castings and having a hook at its front end, a spring-follower in said magazine having an operating-rod extending through the front thereof, and provided with an engaging loop, a vertically-movable slide at the rear end of the magazine, together with hammer-and-trigger mechanism for operating said plate to elevate an ammunition-disk for ejecting the preceding disk and for discharging, substantially as set forth.

2. In a toy pistol, the combination of the castings A and B, the former including the anvil A<sup>3</sup>, located at the breech with the rear vertical plane serving as an exploding-face, an ammunition-magazine formed by the castings, a spring-follower in said magazine having an operating-rod extending through the front end thereof, provision for holding the same retracted, a vertically-movable slide at the rear end of the magazine, a hammer having an integral finger directly engaging said slide, and a trigger, substantially as herein specified.

3. In a toy pistol, the combination of the castings A and B, the former including the anvil A<sup>3</sup> located at the breech with the rear vertical plane serving as an exploding-face, an ammunition-magazine formed by the castings, a spring-follower in said magazine having an operating-rod extending through the front end thereof, provision for holding the same retracted, a vertically-movable slide at the rear end of the magazine and having its top edge beveled, together with hammer-and-trigger mechanism, substantially as herein specified.

In testimony that I claim the invention above set forth I affix my signature in presence of two witnesses.

JOHN W. WILDMAN.

Witnesses:

WILLIAM N. AMON,  
M. F. BOYLE.