

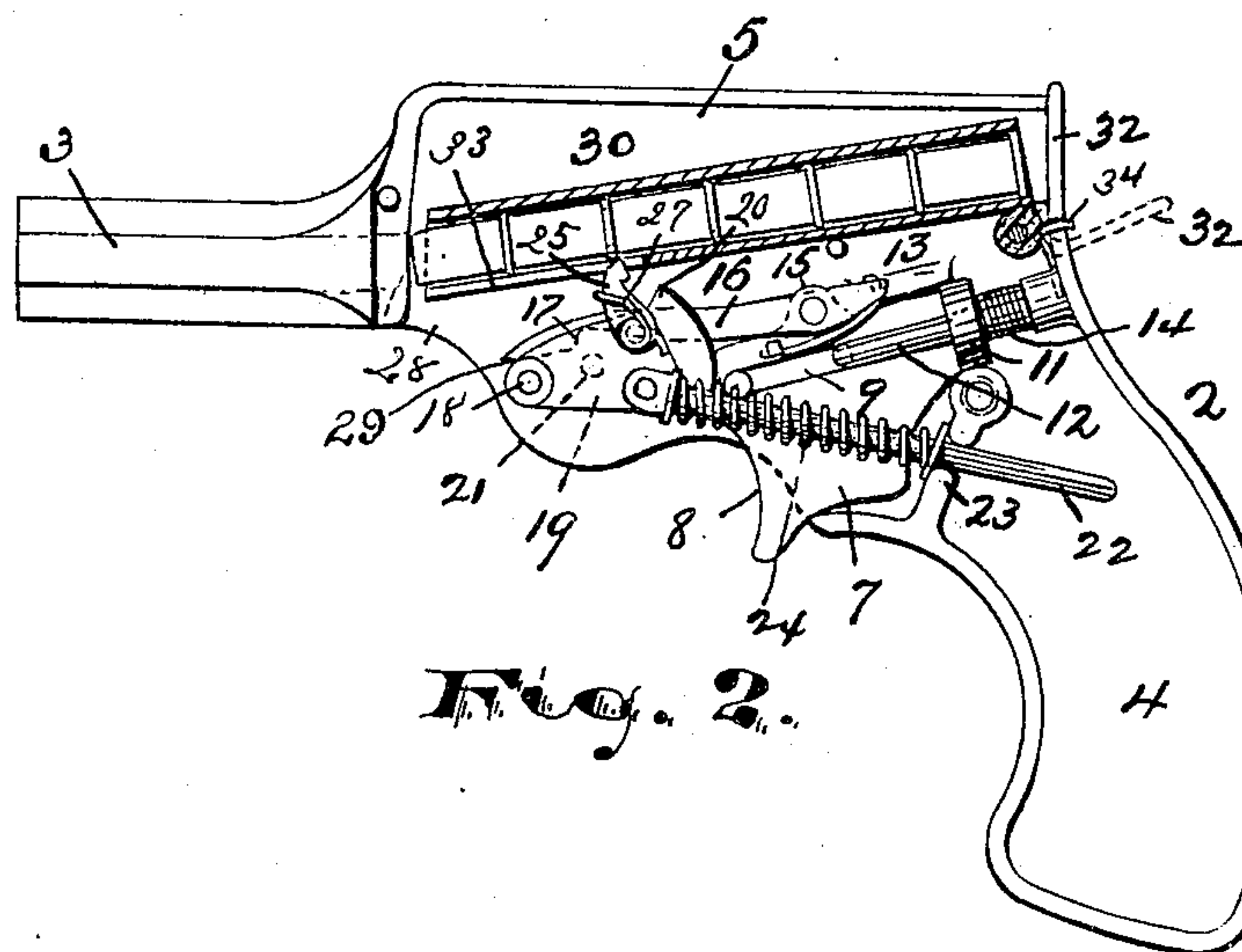
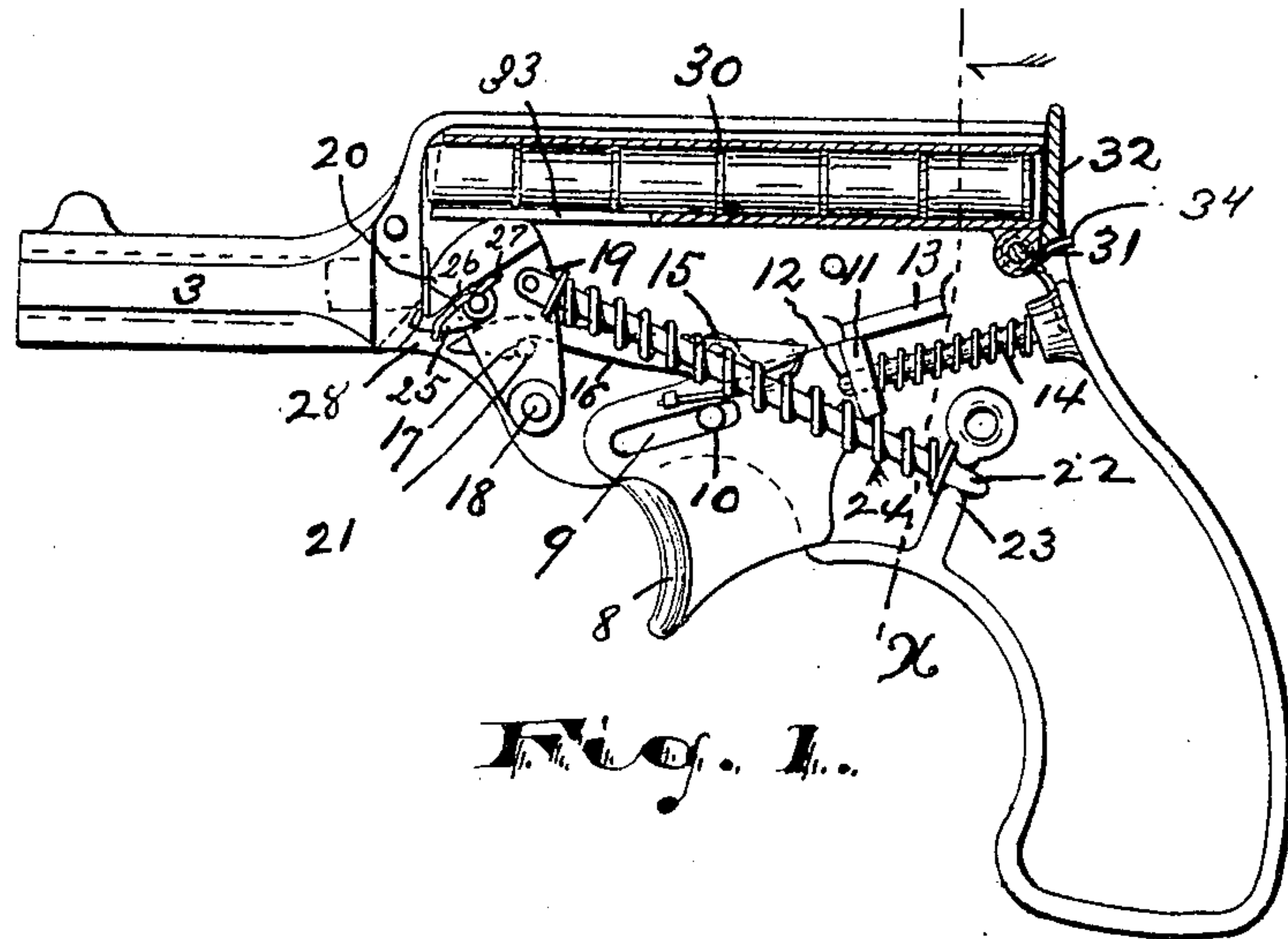
No. 800,709.

PATENTED OCT. 3, 1905.

H. BENNETT.  
PISTOL.

APPLICATION FILED SEPT. 20, 1902.

2 SHEETS—SHEET 1.



**WITNESSES:**

Harry Krag  
Russell M Everett

INVENTOR:

*Harry Bennett,*

BY

BY  
*Doake & Co.*  
ATTORNEYS.

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2 SHEETS—SHEET 2.

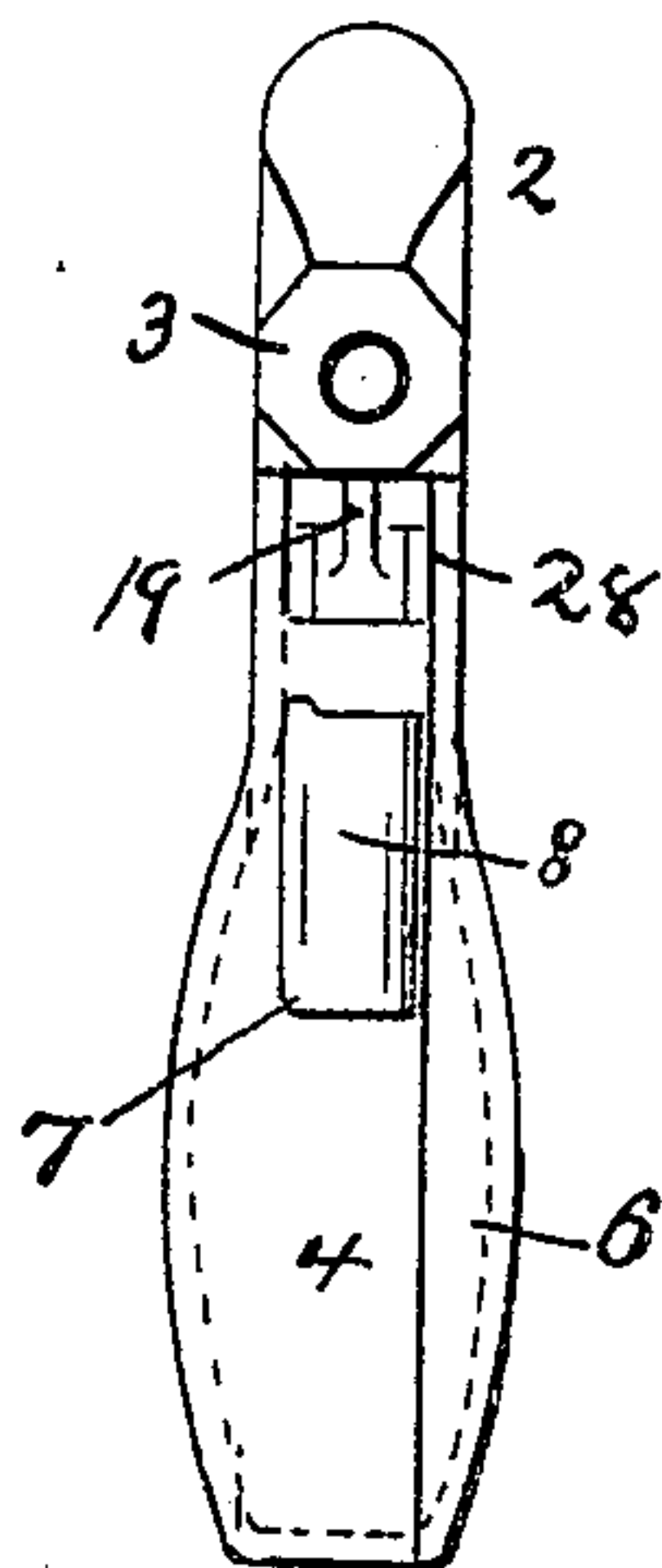


Fig. 5.

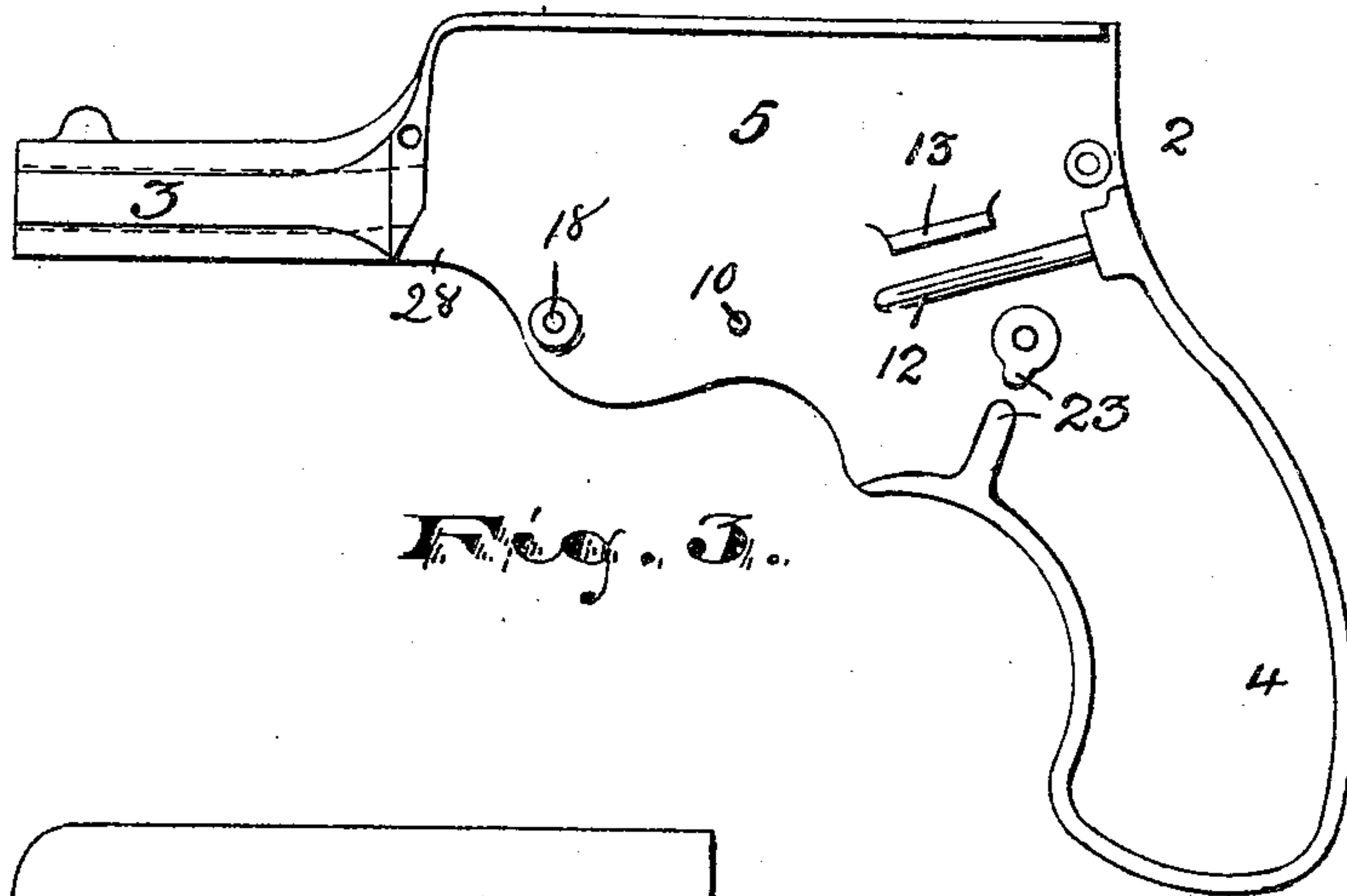


Fig. 3.

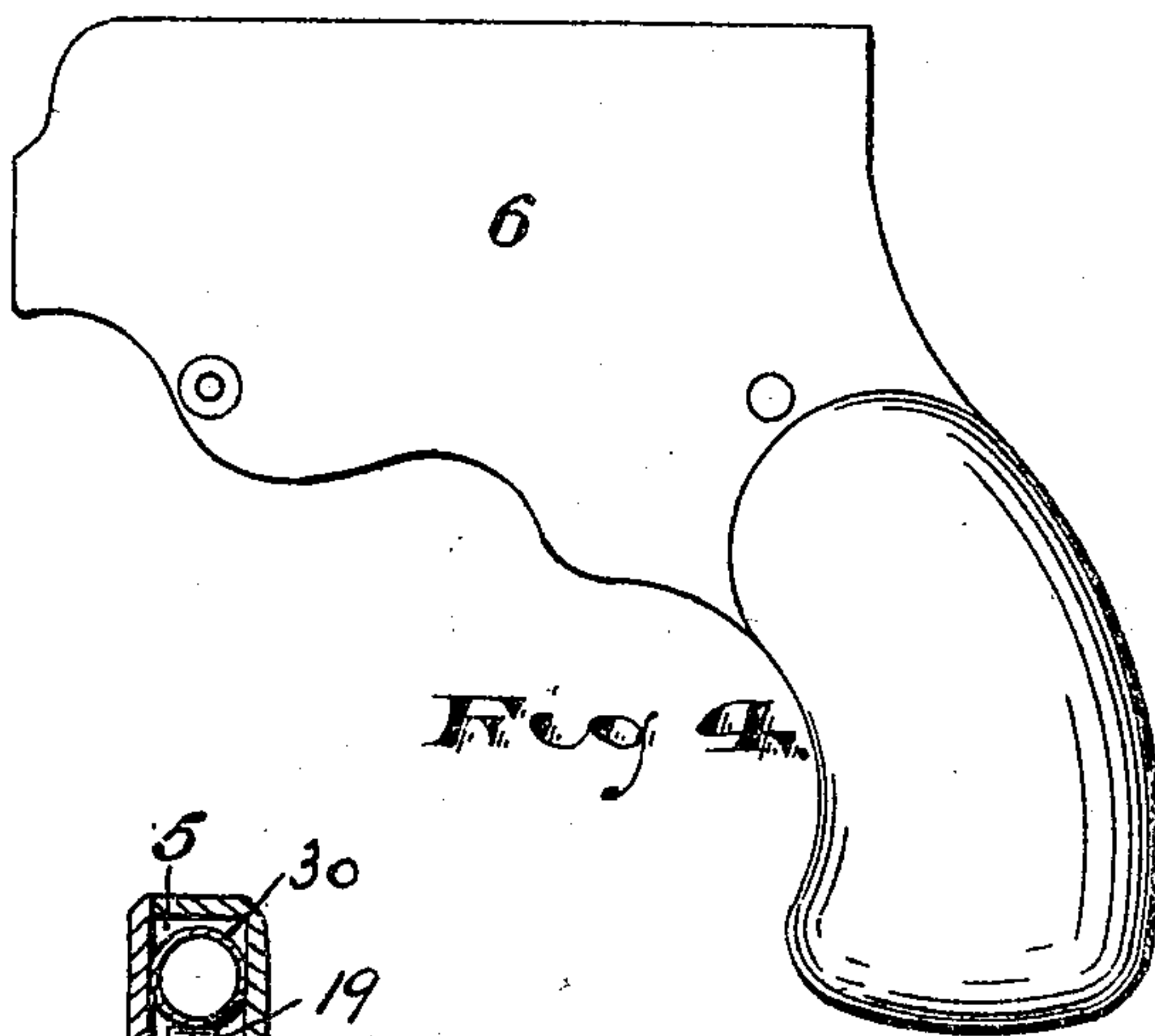


Fig. 4.

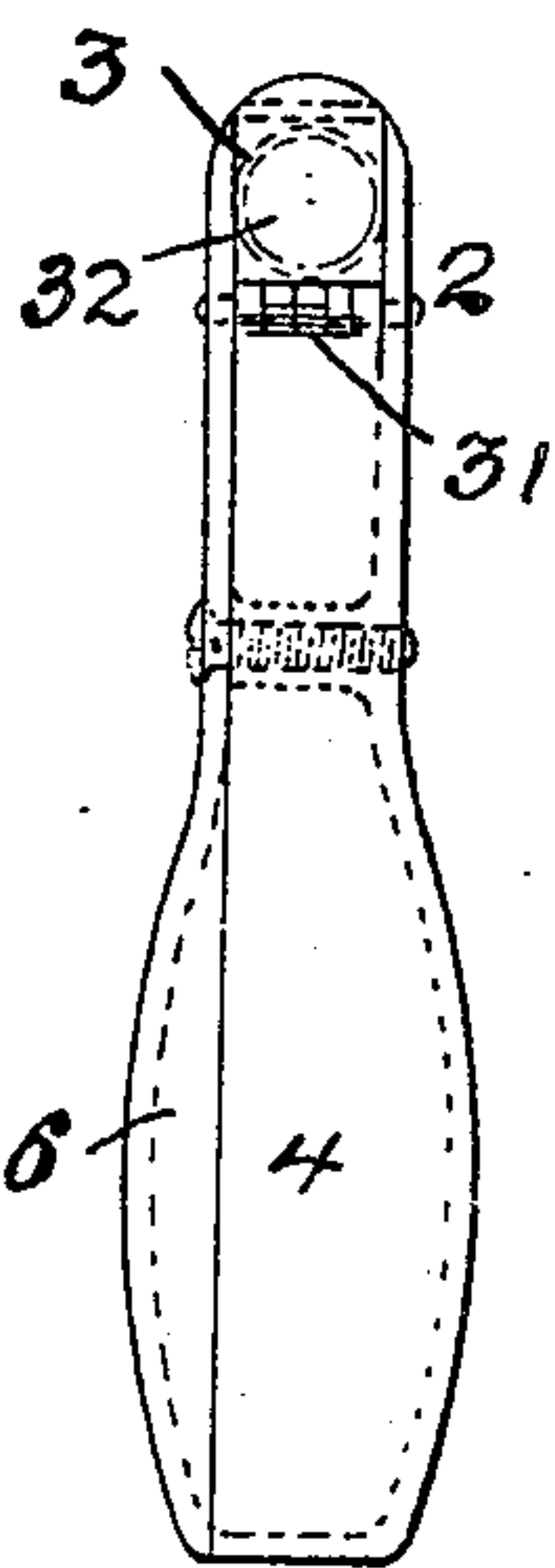


Fig. 6.

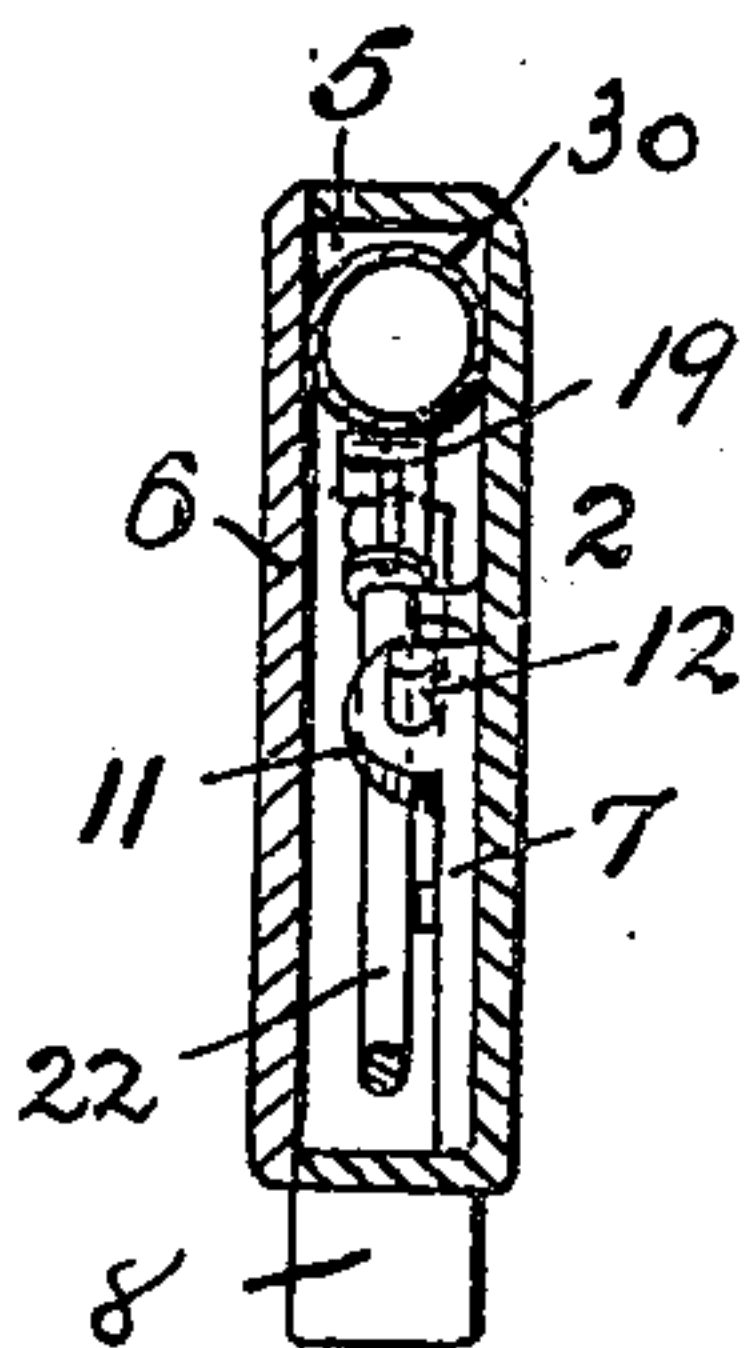


Fig. 7.



Fig. 8.

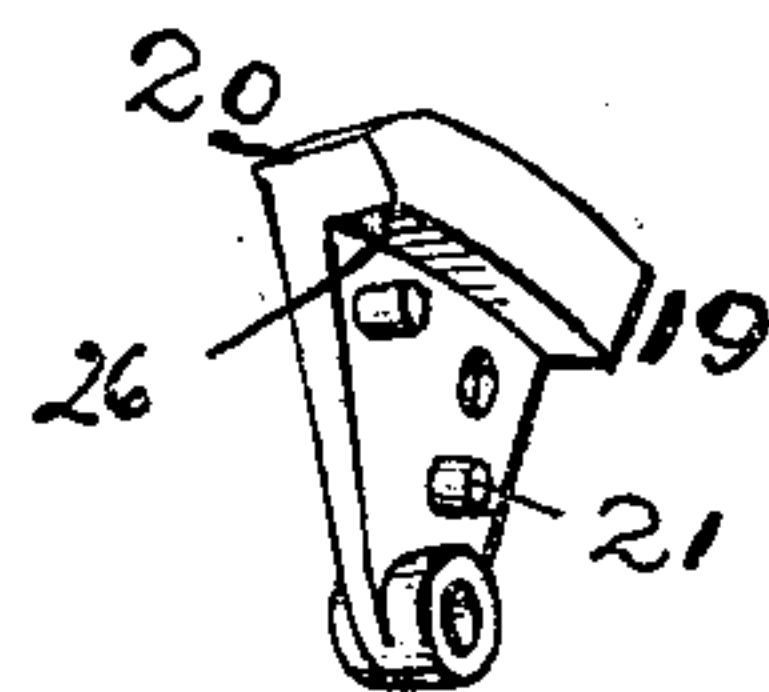


Fig. 9.

WITNESSES:

Henry Krug  
Russell M. Everett

INVENTOR:

Harry Bennett,

BY

Drake & Co.  
ATTORNEYS.



# UNITED STATES PATENT OFFICE.

HARRY BENNETT, OF NEWARK, NEW JERSEY, ASSIGNOR OF ONE-HALF  
TO M. SAMUEL KAMM AND ONE-HALF TO EMERY E. HARDY, OF  
NEWARK, NEW JERSEY.

## PISTOL.

No. 800,709.

Specification of Letters Patent.

Patented Oct. 3, 1905.

Application filed September 20, 1902. Serial No. 124,136.

*To all whom it may concern:*

Be it known that I, HARRY BENNETT, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Pistols; 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, reference being had to the accompanying drawings, and to numerals of reference marked thereon, which form a part of this specification.

The objects of this invention are to provide an improved magazine-pistol for shooting blank cartridges more especially, to obtain a simple construction and one which can be cheaply manufactured, and to obtain other advantages and results, some of which may be hereinafter referred to in connection with the description of the working parts.

The invention consists in the improved pistol herein described and in the arrangements and combinations of the same, all substantially as will be hereinafter set forth and finally embraced in the clauses of the claim.

Referring to the accompanying drawings, in which like numerals of reference indicate corresponding parts in each of the several figures, Figure 1 is a side view of my improved pistol with a certain removable side plate taken off and the magazine shown in section, the position of the parts being that which exists immediately after firing. Fig. 2 is a view similar to Fig. 1, but showing the parts in the positions they assume when the trigger is retracted. Fig. 3 is a side view of the body portion or casting of the pistol. Fig. 4 shows the removable side plate before referred to. Fig. 5 is a front end view of the pistol, and Fig. 6 a rear end view. Fig. 7 is a cross-section on line *x*, Fig. 1; and Figs. 8 and 9 are perspective views of the trigger and hammer, respectively.

In said drawings, 2 indicates the body portion of my improved pistol, consisting of a single integral casting providing at its front end a barrel 3, at its rear end a handle or grip 4, and intermediate of said barrel and grip providing a chamber 5 for the working parts of the firing mechanism. A removable side plate 6 is adapted to be applied to said body portion 2 and close this chamber 5, as is common. In the lower part of said chamber 5 is arranged

a trigger 7, which projects at its lower portion 8 through a slot in the bottom of the pistol-body to receive the finger. At its upper portion is a slot 9 to receive a fixed guide-pin 10 on the pistol-body, and at its rear end is an upturned flange 11, which is perforated to receive a guide-rod 12, projecting from the pistol-body parallel to the plane of said trigger. The upper rear end of the trigger 7, moreover, bears against a shoulder 13, cast on the pistol-body, and which serves to counteract any tendency of the finger on the trigger to pull it out of its proper course.

A spiral spring 14, arranged on the rod 12, normally holds the trigger 7 forward, except when by the finger it is forced rearward. At the upper edge of said trigger 7 is an ear 15, to which is pivoted an arm 16, hooked at its under edge near its forward extremity, as at 17. Forward of the said trigger 7 is pivoted upon a transverse pin 18 a hammer 19, adapted to swing in the plane of the pistol wholly within the chamber thereof. Said hammer has at its upper forward portion a projection 20, adapted to engage a cartridge as it lies in the barrel 3, and at the lower point is provided a lateral stud or pintle 21, adapted to receive the hooked arm 16 of the trigger. When both the hammer and trigger are in their extreme forward position, said pintle 21 is engaged by the hook 17 of the arm 16, as shown in Fig. 1, and thus when the trigger is retracted by the finger the hammer will be thrown backward upon its pivot 18. This backward movement of the hammer continues until it has become tipped so far rearward, as shown in Fig. 2, that the forward end 29 of the hook 17 engages the stud 18, upon which the hammer is pivoted, and is thereby knocked off of the pin 21 by continued rearward movement of the trigger. The hammer is furthermore provided at its rear edge with a rod 22, hinged thereto and extending rearward through a bearing 23 on the pistol-body. Upon said rod is arranged a spiral spring 24, which is adapted to be compressed as the hammer is retracted, and when said hammer is released, as above described, said spring 24 drives the hammer forward against the cartridge with sufficient force to explode the same. The finger is then removed from the trigger, and its spring 14 slides it forward and again brings its hooked arm 16 into engagement with the pintle 21 of the hammer.



To the forward edge of the hammer 19 is pivoted a shell-extractor consisting of a hooked arm 25, held upward against a stop 26 on the hammer by means of a spring 27 and having its hook projection turned upward and its end forward of said projection beveled forwardly downward. Thus as the hammer is thrown forward the extractor engages the cartridge first and urges the same into the barrel of the pistol, then slipping at its hooked end over the rim of the cartridge, as shown in Fig. 1. When the hammer is afterward retracted, as has been described, the extractor pulls out the cartridge-shell, which falls by its own weight through an opening 28 at the under side of the pistol.

In the upper part of the chamber 5 of the pistol and longitudinally of the pistol is arranged a tubular or trough-like magazine 30, which magazine is hinged at its rear end 31 and rests at its forward end upon the hammer 19. When said hammer is in forward position, as shown in Fig. 1, it holds the magazine 30 upward in horizontal position; but when the hammer is retracted, as shown in Fig. 2, the magazine is permitted to drop downward at its front end to register with the barrel. In such position one of the cartridges slides, as hereinafter described, from the magazine into the barrel to replace the empty shell just extracted. Upon the release of the hammer said magazine is restored to normal position by the movement of the hammer toward the cartridge and before the cartridge can be fired.

The cartridges may be fed from the magazine into the barrel wholly by gravity, the pistol being simply held in proper position for this; but I prefer to secure a positive loading action to feed said cartridges. This is preferably done by means of the arm 25, whose extracting action has been already described. The bottom of the magazine 30 is slotted, as at 33, and the end of said arm 25 as the hammer is retracted and the magazine dropped enters through said slot to lie behind the second cartridge from the barrel, as shown in Fig. 2. Then as the hammer is released and begins to swing forward the arm 25 travels forward through the slot 33, pushing the cartridges before it to lodge the first one in the barrel, the time being allowed, of course, for this to take place before the hammer engages the magazine 30 to elevate it. A spring-door 32 or any other suitable closure is provided at the rear end of the magazine 30.

By the construction thus described it will be seen that I provide a magazine-pistol which will load, fire, and eject shells by simply pulling and releasing the trigger, the whole being so simple as to be cheaply and easily manufactured and put upon the market.

Having thus described the invention, what I claim as new is—

1. In a pistol, the combination with a body portion providing a barrel and a chamber back of said barrel, of a magazine hinged at its rear end in said chamber above the line of said barrel and adapted to be lowered at its front end to register with the barrel, and means for raising and lowering said front end of the magazine.

2. In a pistol, the combination with a body portion providing a barrel and a chamber at the rear of said barrel, of a magazine hinged at its rear end upon a transverse pivot in said chamber and adapted to tip into and out of coincidence at its front end with the barrel, and a hammer adapted to engage said magazine to swing the same.

3. In a pistol, the combination with a body portion providing a barrel and a chamber at the rear of said barrel, of a magazine in said chamber hinged at its rear end above the line of said barrel and adapted to be lowered at its front end into registration with the barrel to discharge cartridges thereinto by gravity, a trigger, and means connecting said trigger to the said magazine to raise the same.

4. In a pistol having a barrel, a magazine normally lying above the line of said barrel and adapted to be lowered at the forward end into registration with said barrel and discharge a cartridge thereinto by gravity.

5. In a pistol, the combination of a pivoted magazine, a hammer adapted to engage the said magazine to swing the same, and a trigger adapted to operate said hammer.

6. The combination with a pistol-body providing a chamber 5, of a hammer pivoted at the forward end of said chamber, a magazine in said chamber hinged at its rear end and resting at its opposite end on said hammer, and means for operating the hammer.

7. In a pistol having a chamber 5, at the rear of the barrel, a hammer 19, a spring normally forcing said hammer forward, a magazine hinged at its rear end in said chamber and resting at its front end on said hammer, a trigger adapted to draw said hammer backward, and tripping means for releasing said hammer from such retracted position.

8. The combination of the hammer 19, pivoted at its lower end and having a lateral pin 21, at a higher point, a rod hinged to said hammer and extending rearwardly therefrom, a spiral spring on said rod adapted to throw the hammer forward, a reciprocating trigger, and a hooked arm pivoted to said trigger and adapted to engage the said lateral pin of the hammer, said arm being adapted to be released by engagement with a fixed stop at the proper moment.

9. The combination with the hammer 19, the shell-extractor comprising an arm pivoted on said hammer and adapted to swing therewith, and the magazine 30, hinged at its rear end and adapted to be engaged at its front end by



said hammer, said front end being slotted at its under side to receive said arm to feed the cartridges.

5 10. In a pistol having a hinged magazine slotted at its free end and adapted to contain cartridges, an arm adapted to enter said slot behind the second cartridge to feed the first one forward, and means for operating said arm.

10 11. In a pistol having a barrel, a pivoted hammer, and a hinged magazine adapted to be brought at its front end into registration with the barrel by the movement of said hammer and having said front end slotted, an arm

pivotally mounted on the hammer and adapted when the hammer is retracted to enter said slot in the magazine in position to feed the cartridges therein forward and when the hammer is in forward position to engage the shell of the exploded cartridge to extract the same, substantially as set forth. 15 20

In testimony that I claim the foregoing I have hereunto set my hand this 12th day of September, 1902.

HARRY BENNETT.

Witnesses:

CHARLES H. PELL,  
RUSSELL M. EVERETT.