

No. 798,471.

PATENTED AUG. 29, 1905.

J. H. WIESMAN.
TOY GUN OR PISTOL.
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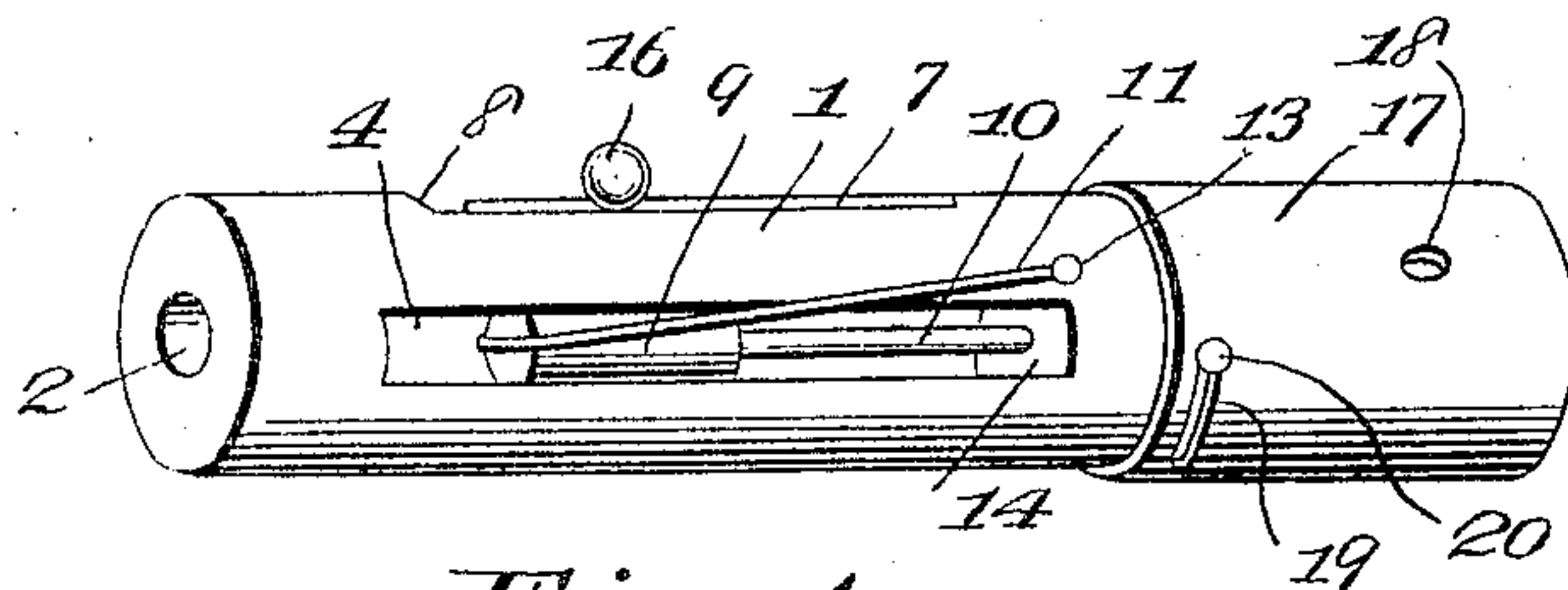


Fig. 1.

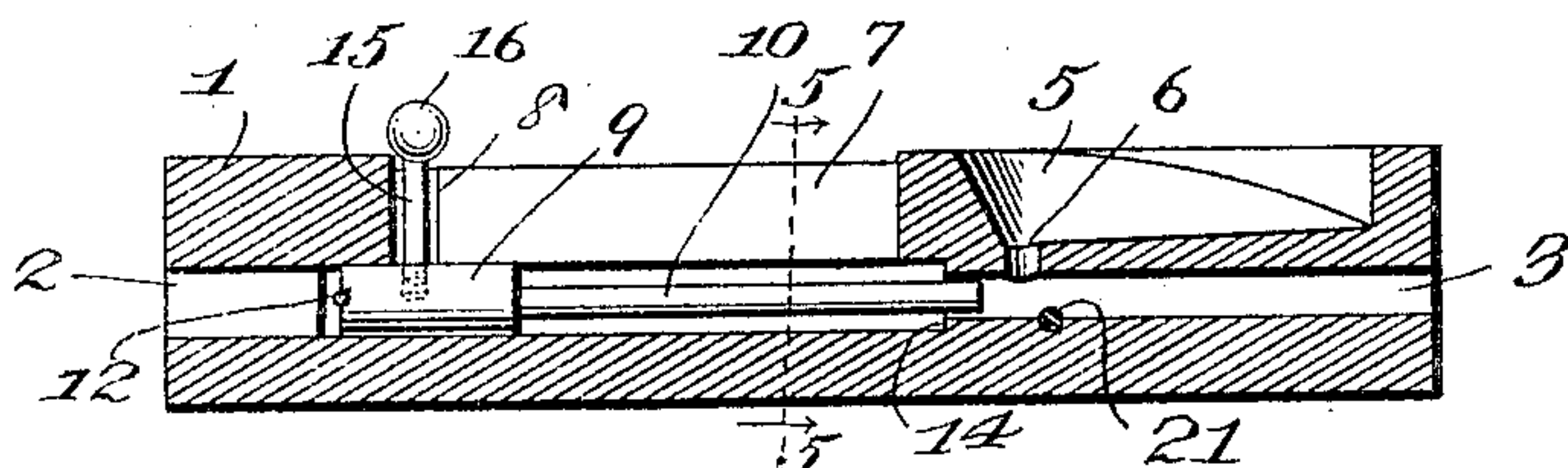


Fig. 2.

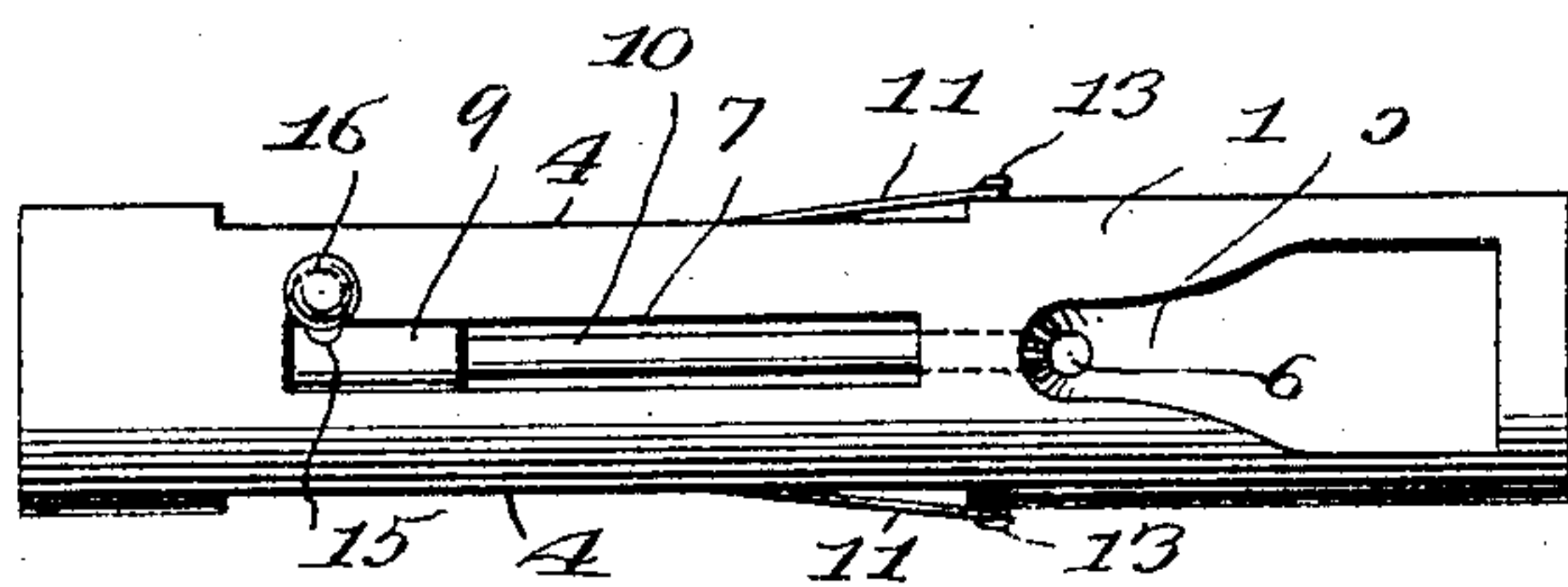


Fig. 3.

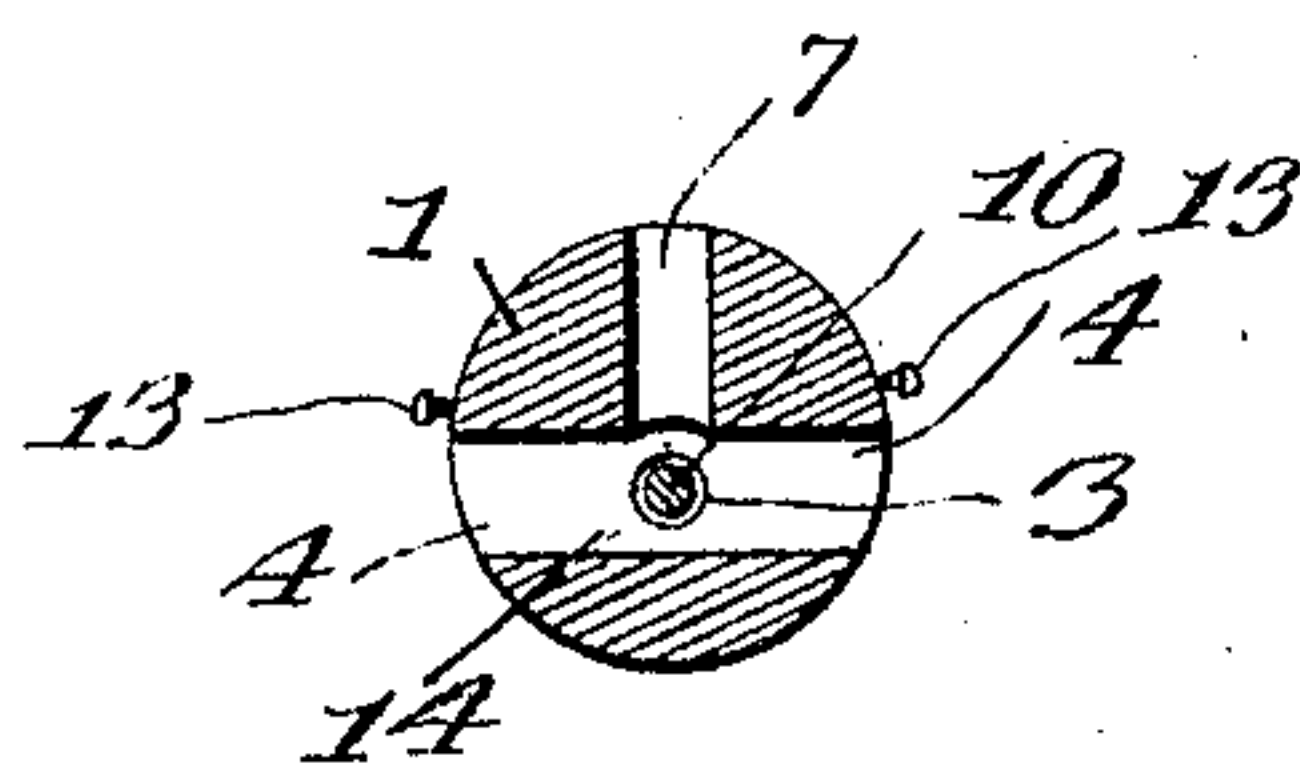


Fig. 4.

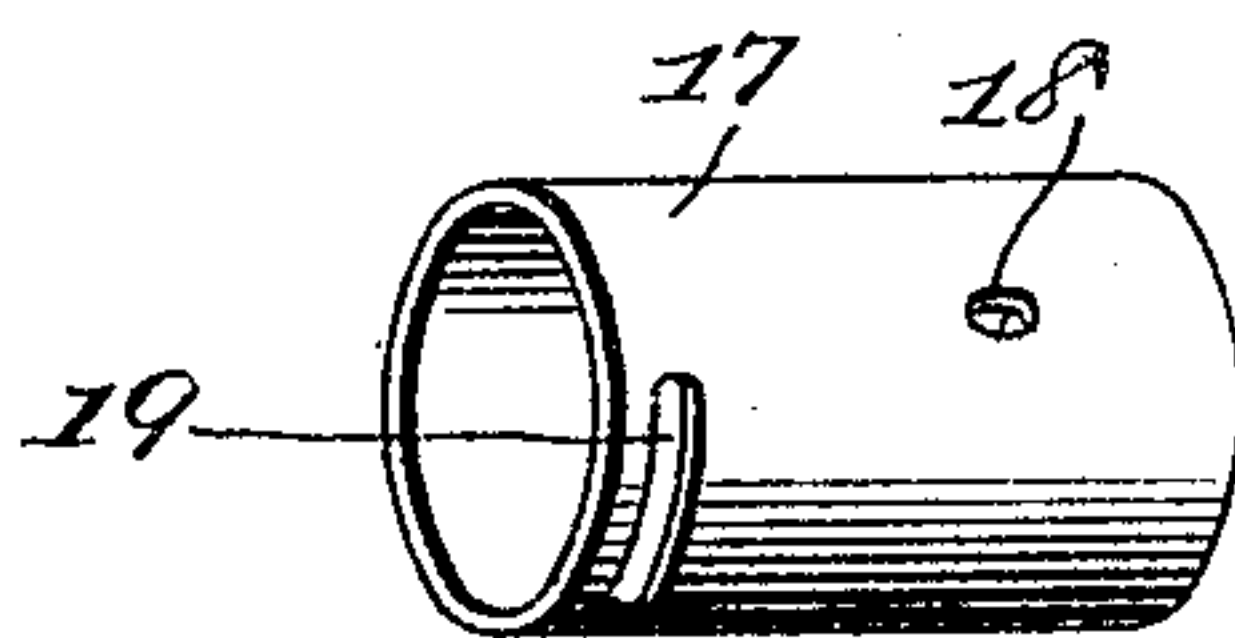


Fig. 5.

Witnesses
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UNITED STATES PATENT OFFICE.

JOHN H. WIESMAN, OF OLEAN, NEW YORK.

TOY GUN OR PISTOL.

No. 798,471.

Specification of Letters Patent.

Patented Aug. 29, 1905.

Application filed December 14, 1904. Serial No. 236,888.

To all whom it may concern:

Be it known that I, JOHN H. WIESMAN, a citizen of the United States, residing at Olean, in the county of Cattaraugus and State of New York, have invented a new and useful Toy and Improvement in Toy Guns or Pistols, of which the following is a specification.

This invention relates to toy guns or pistols, and is primarily designed to enable the concealment of the pistol within the palm of the hand and at the same time to enable the convenient manipulation of the pistol for shooting the same, thereby to conceal from whence the shooting is being done.

Another object of the invention is to provide a novel arrangement of magazine capable of being conveniently charged and from which the projectiles are automatically fed to the ejector in a simple and efficient manner.

Other features of the invention reside in the provision of means for conveniently cocking the pistol while concealed in the hand and to enable the convenient discharge of the pistol without any noticeable movement of the hand.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size, and minor details may be made within the scope of the claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawings, Figure 1 is a perspective view of a toy pistol embodying the features of the present invention. Fig. 2 is a longitudinal sectional view thereof. Fig. 3 is a plan view with the magazine-cover removed. Fig. 4 is a detail perspective view of the magazine-cover. Fig. 5 is a cross-sectional view on the line 5 5 of Fig. 2.

Like characters of reference designate corresponding parts in each and every figure of the drawings.

As the present device is intended to be concealed within the palm of the hand, the grip ordinarily associated with the barrel is omitted; and the present device therefore consists of a body or barrel 1, which is preferably cylindrical in shape and of a length and diameter to be readily concealed within the palm of the hand. The rear end of the body or barrel is pierced by a longitudinal bore or passage 2, and its front end is pierced

by a longitudinal bore or passage 3 of less diameter than the passage 2 and communicating therewith, the passage 3 constituting the equivalent of a barrel in an ordinary pistol. From the inner or forward end of the passage 2 rearwardly for a suitable distance longitudinal slots 4 are formed in opposite sides of the body and intersect the passage 2, as clearly indicated in Fig. 5 of the drawings. From the top of the body 1 and in front of the passage 2 there is a gouged-out portion 5, which is provided in its rear end with a transverse outlet-passage 6, communicating with the barrel-passage 3. This gouged-out portion is designed to form a magazine for the reception of a plurality of projectiles, such as shot and the like, of a diameter to work freely in the barrel-passage 3. In the top of the body 1 and in rear of the magazine-chamber 5 there is a longitudinal slot 7 intersecting the passage 2 and substantially corresponding in length to the slots 4, the rear end of the slot 7 being provided with a transverse branch 8, thereby forming what is commonly known as a "bayonet-slot."

Working within the passage 2 is a plunger 9, having a reduced stem 10 projecting forwardly therefrom, with its front end working in the barrel-passage 3. For the quick forward projection of the plunger there is an elastic element or cord 11, having its intermediate portion passed through the slots 4 and engaged with a notch or seat 12 in the rear end of the plunger 9, the ends of the spring or elastic cord being secured to the exterior of the body in front of the slots 4, as indicated at 13, so that by pulling back upon the plunger and then releasing the same it will be shot forward with considerable force, the shoulder 14, formed by the reduced barrel-passage 3, constituting a stop to limit the movement of the plunger.

To enable the convenient drawing back of the plunger, there is a finger-piece consisting of a stem or projection 15, carried by the plunger and working in the slot 7, the outer projected end of the stem being provided with an enlarged head or knob 16, capable of being conveniently engaged by the thumb of the hand in which the pistol is concealed for withdrawing the plunger and then turning the same so as to bring the finger-piece into the notch or branch 8 of the slot 7, thereby to lock or cock the plunger in its retracted position. By moving the finger-piece back into

the longitudinal slot 7 the plunger will be released and the spring 11 will shoot the same forward.

The magazine-chamber 5 is normally closed by means of a sleeve 17, rotatably embracing the body and provided with an opening 18 of a size to receive an individual projectile, whereby the magazine may be charged. In one side of the sleeve is a short peripheral slot 19, engaging a pin or projection 20, carried by the body, so as to limit the rotatable adjustment of the sleeve. When turned to one limit, the perforation 18 is in communication with the magazine for filling the latter, and when the sleeve is turned to its opposite limit the perforation is located at one side of the magazine, so as to prevent the loss of the projectiles through said opening.

To assemble the present pistol, the plunger is inserted into the passage 2 from the rear end thereof, so as to bring the forward end of the stem 10 in the barrel-passage 3, which brings the rear end of the plunger slightly in advance of the rear ends of the slots 4 to enable the spring 11 being passed through the slots 4 in rear of the plunger and then engaged with the notch or seat 12 thereof, the ends of the spring being afterward connected to the body of the pistol, as at 13. After the plunger has thus been fitted to the body the stem or finger-piece 15 is connected to the plunger by being passed through the slot 7, the plunger preferably being provided with a screw-threaded socket to receive the stem of the finger-piece. The magazine cover or sleeve 17 is fitted upon the body before or after the assemblage of the plunger, the pin or projection 20 being driven through the slot 19 and into the body after the fitting of the sleeve upon the body. The magazine is then charged by introducing the projectiles through the opening 18.

In using the pistol it is taken in the palm of the hand and the plunger drawn back and locked or cocked by manipulation of the thumb upon the head 16 of the finger-piece. When the forward end of the stem 10 clears the bottom of the outlet-passage 6, one of the projectiles gravitates into the barrel-passage 3, there being a yieldable projectile-retaining element 21 fitted in the bottom of the barrel-passage 3 immediately in front of the magazine outlet-passage 6, so as to prevent the projectile from rolling out of the forward open end of the barrel-passage before the plunger can be released. Upon releasing the plunger by moving the finger-piece into the slot 7 the plunger will be quickly shot forward and the stem 10 struck against the projectile with sufficient force to violently discharge the projectile through the open forward end of the barrel-passage in a simple and efficient manner.

From the foregoing description it will be understood that the device of the present invention may be embodied in very compact

form, so as to enable the convenient concealment of the device within the palm of a hand, while at the same time the plunger may be drawn back and cocked by the simple manipulation of the thumb without attracting attention.

Having fully described the invention, what is claimed is—

1. A toy pistol comprising a body having a longitudinal slot provided at its rear end with a lateral branch, a barrel carried by the body, a plunger working in the barrel and the body, and a finger-piece carried by the plunger and working in and projected through the slot of the body, the plunger being rotatable to engage the finger-piece with the lateral branch of the slot to hold the plunger at the rear limit of its movement.

2. A toy pistol provided with a longitudinal slot having a transverse branch at its rear end, a spring-pressed plunger, and a finger-piece carried by the plunger and working in and projected through the slot, said finger-piece being shiftable into the lateral branch of the slot to hold the plunger at the rear limit of its movement.

3. A toy pistol comprising a body having a longitudinal bore intersecting its rear end with the forward portion of the bore reduced in diameter and intersecting the front end of the body to form a barrel, a spring-pressed plunger working in the bore of the body and having a reduced stem working in the bore of the barrel, the reduced-bore portion constituting a shoulder for engagement by the plunger to limit its forward movement, the body being provided with a longitudinal slot having a transverse branch at its rear end, and a finger-piece carried by the plunger and working in the longitudinal slot, the plunger being rotatable to bring the finger-piece in the transverse branch of the slot to hold the plunger at the rear limit of its movement.

4. A toy pistol having a barrel which is provided with a magazine in communication with the bore of the barrel and open at its outer side, and a sleeve embracing the barrel to cover the magazine and provided with an opening, the sleeve being capable of a limited rotation to bring its opening into and out of alinement with the magazine.

5. A toy pistol having a barrel provided with a magazine in communication therewith and open at its outer side, a sleeve rotatably embracing the barrel and covering the magazine, said sleeve having a filling-opening for alinement with the magazine and provided with a peripheral slot, and a projection carried by the barrel and received within the slot to limit the rotatable movement of the sleeve.

6. A toy pistol comprising a body of a length to be concealed within the hand and provided in its rear portion with a longitudinal bore which is reduced at its forward end and pierces the forward end of the body to

form a barrel, and a spring-pressed plunger working in the bore of the body and provided with a reduced stem working in the bore of the barrel.

5 7. A toy pistol comprising a body of a size to be concealed within the hand, the rear portion of the body having a bore intersecting its rear end and the forward portion having a reduced bore intersecting the front end of
10 the body and communicating with the large bore to form a barrel, the body being provided in opposite sides with longitudinal slots intersecting the large bore, there being another longitudinal slot in communication with
15 the large bore and located between the other slots and provided at its rear end with a transverse branch, the forward portion of the body being provided in its exterior with a socket forming a magazine, the rear portion of the
20 magazine having a reduced outlet in communication with the rear portion of the bore of the barrel, a sleeve embracing the barrel portion of the body and covering the magazine

and provided with a filling-opening to receive one projectile at a time, said sleeve having a 25 limited rotation to bring its opening into and out of communication with the magazine, a plunger working in the large bore and provided with a reduced stem working in a small bore, a spring passing through the first-men- 30 tioned slots of the body in engagement with the rear end of the plunger with its opposite ends secured to opposite sides of the body in front of the slots, and a finger-piece carried by the plunger and working in the other slot, 35 the plunger being rotatable to bring the finger-piece into the lateral branch of said slot to hold the plunger at its rear limit.

In testimony whereof I have signed this specification in the presence of two subscrib- 40 ing witnesses.

JOHN H. WIESMAN.

Witnesses:

W. D. PARKER,
E. V. HASKINS.