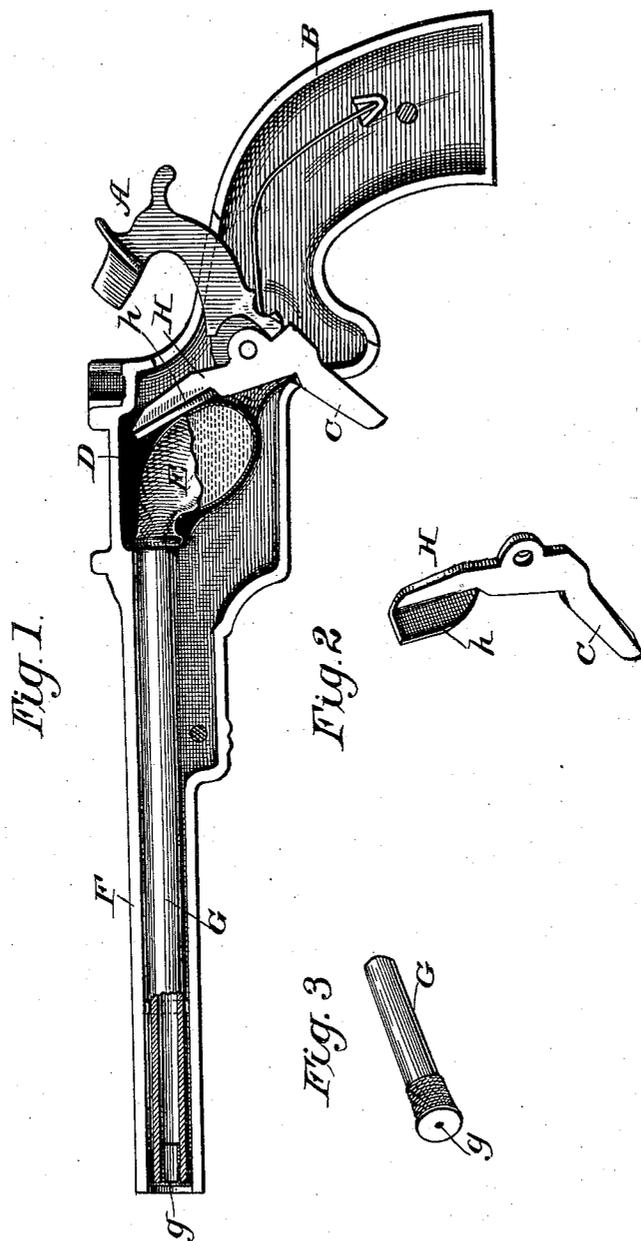


(No Model.)

J. W. WOLFF.
WATER GUN.

No. 563,114.

Patented June 30, 1896.



WITNESSES:

Jos. A. Ryan.
P. B. Turpin.

INVENTOR

John Walter Wolff.

BY *Munn & Co.*

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOHN WALTER WOLFF, OF WINSTON, NORTH CAROLINA.

WATER-GUN.

SPECIFICATION forming part of Letters Patent No. 563,114, dated June 30, 1896.

Application filed October 8, 1895. Serial No. 565,032. (No model.)

To all whom it may concern:

Be it known that I, JOHN WALTER WOLFF, of Winston, in the county of Forsyth and State of North Carolina, have invented a new and useful Improvement in Water-Guns, of which the following is a specification.

My invention is an improved "water-gun," in which term I would include pistols and the like; and the invention has for an object to provide a simple construction of gun or pistol in which as the gun is fired a water bulb or ball will be compressed and cause a stream of water to be ejected from the muzzle, furnishing an effective and amusing toy.

The invention consists in certain novel constructions and combinations of parts, as will be hereinafter described.

In the drawings, Figure 1 is a longitudinal section of a pistol provided with my improvements. Fig. 2 is a detail view of the trigger, and Fig. 3 is a detail view of the end of the outlet-tube.

In the constructions shown I have represented my improvements as embodied in a pistol having a hammer A, a spring B for operating the same, and a trigger C for said hammer, which hammer and spring and the trigger so far as it operates the hammer may be of ordinary construction, but the trigger has a novel construction, which will be hereinafter more fully described.

In the gun or pistol and preferably in a chamber D, formed just in advance of the trigger, I place a compressible ball or bulb E, from which an outlet extends to or substantially to the muzzle of the barrel F. While this outlet may preferably be a separate tube G, secured to and extended from the bulb, as shown, it would involve no departure from some of the broad principles of my invention to use the barrel itself as the outlet and inlet for the bulb E, but the separate tube is preferred, and it is preferred to inclose it within the barrel F so it will not be exposed to view. The nozzle or opening of the tube G is preferably contracted, as shown at *g*.

In connection with the water-bulb I provide means whereby it is compressed as the arm is discharged. This is preferably effected by arranging a part of the trigger to compress the bulb as the trigger is pulled.

In the construction shown the trigger is shown as provided with an extension H, extending into the bulb-chamber and arranged to press upon the bulb and compress the same. This extension H is formed with a broad bearing *h* to press against the bulb, being flattened out to form such bearing, which not only operates to effectually compress the bulb, but also avoids any injury to the bulb, such as would result from bearing thereagainst with a thin or edged bar.

In operation if the muzzle be placed in a basin of water and the trigger be pulled once or twice the bulb will become filled with water. Then when the arm is fired or discharged the trigger will compress the bulb and eject a jet or stream of water.

It may be preferred for convenience in inserting the bulb to form the arm in two longitudinal halves or sections fitting together, as shown in the drawings.

The arrangement as shown is preferred, but manifestly the ball or bulb could be arranged back of the trigger and the same results be produced.

The hammer A may preferably be adapted to explode a fulminate, but manifestly it may be so used or not as preferred.

In the construction as shown the hammer is arranged to explode the fulminate upon the anvil, and such hammer and the trigger have engaging shoulders, and the actuating-spring tends to hold the hammer cocked, as shown in Fig. 1, and also to actuate said hammer to firing position if the trigger be operated to throw the spring-notch in the hammer above the center of motion of trigger and hammer.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A gun or pistol substantially as described provided with a bulb or ball and a bulb-compressor carried by the gun or pistol and operated by the act of firing substantially as set forth.

2. A gun or pistol provided with a compressible water-bulb and with a trigger arranged and adapted to compress said water-bulb substantially as described and shown.

3. A gun or pistol having a chamber in advance of its trigger a water-bulb fitted therein

and the trigger having a portion extended into said chamber and adapted to compress the water-bulb substantially as set forth.

4. The gun herein described provided with
5 the internal chamber the water-bulb fitted therein and the trigger having a portion extended into said chamber and provided with a broad bearing arranged to engage the bulb substantially as and for the purposes set forth.
10 5. The improved water-gun herein described having the hammer, the internal

chamber, the water-bulb fitted therein and provided with an outlet or discharge tube, the trigger arranged to operate the hammer and having an arm extended into the internal chamber and flattened forming a broad bearing to press against the water-bulb all substantially as and for the purposes set forth. 15

JOHN WALTER WOLFF.

Witnesses:

A. M. GUNN,
O. G. WOLFF.