(No Model.)

A. F. HUMPHREY.

AMMONIA AND WATER PISTOL.

No. 605,430. Patented June 7, 1898.

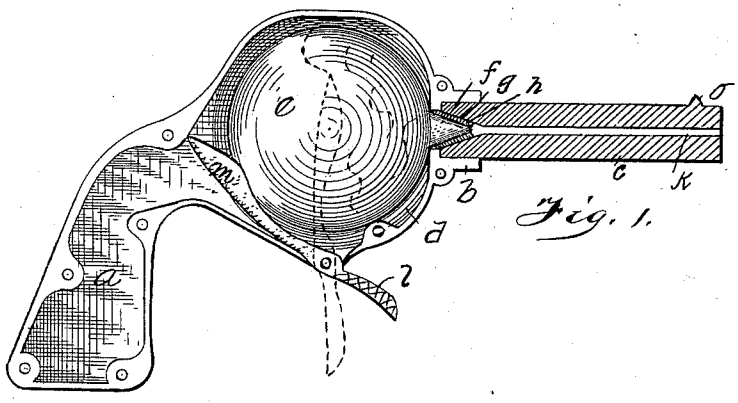


Fig. 1.

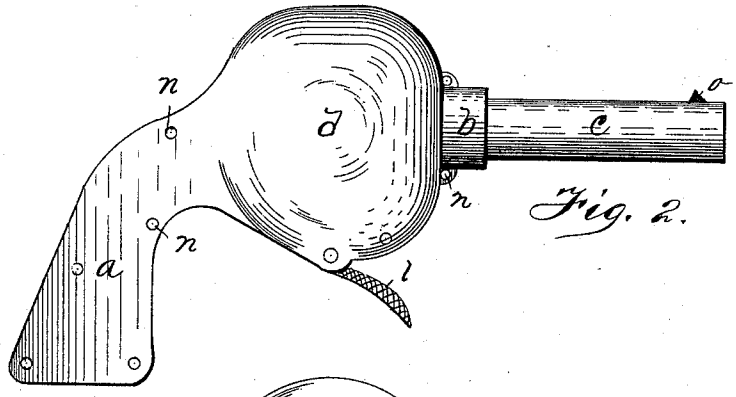


Fig. 2.

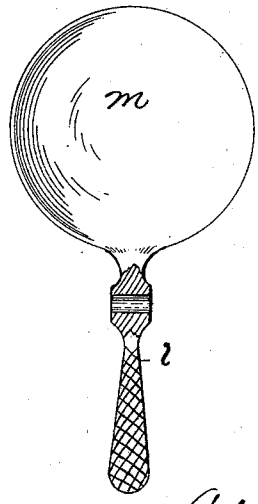


Fig. 3.

WITNESSES:

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ALEXANDER F. HUMPHREY, OF ALLEGHENY, PENNSYLVANIA.

AMMONIA AND WATER PISTOL.

SPECIFICATION forming part of Letters Patent No. 605,430, dated June 7, 1898.

Application filed August 3, 1897. Serial No. 646,905. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER F. HUMPHREY, a citizen of the United States of America, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Ammonia and Water Pistols, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in ammonia and water pistols, and has for its object to construct a device largely resembling an ordinary pistol, from which water or ammonia or any desired liquid may be ejected by the pressure of the trigger, which causes the same to force a spoon against a flexible bulb concealed in the pistol and containing the liquid to be ejected through the barrel. The invention aims to construct a device of this nature which will be extremely simple in its construction, strong, durable, effectual in its operation, and comparatively inexpensive to manufacture; furthermore, which may be readily reloaded when the bulb has been emptied, as will be hereinafter more specifically described, and particularly pointed out in the claim.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like letters of reference indicate similar parts throughout the several views, in which—

Figure 1 is a side view of one half of the frame, showing the bulb in position. Fig. 2 is a side view of my improved pistol. Fig. 3 is an enlarged view of the trigger and spoon, partly in section.

To put my invention into practice, I provide a shell or casing formed in two halves and constructed with a handle or grip *a* and a socket *b* to receive the barrel *c*. Each half of the shell is formed between the grip and socket with a bulge *d*, forming a receptacle to receive the flexible bulb *e*, provided with a nipple *f*, which rests in a pocket *g*, formed in the inner end of the barrel, and is secured in its position by cement *h* or other suitable material, the opening in said nipple communicating with the opening *k* in the barrel *c*.

Journaled at the lower part of the bulged portion, or underneath the pistol, and between the two sections, is the trigger *l*, the upper portion of which is enlarged and broadened, forming a spoon shape *m*, adapted to engage the rear of the flexible bulb and compress the same to eject the liquid. The two sections are secured together by screws or rivets *n*. The trigger is provided with a corrugated gripping-face to prevent the finger from slipping, and in order to give the pistol more of an appearance resembling an ordinary revolver I have provided a sight *o* on the barrel.

The operation will be readily apparent, as it will be observed that when the bulb has been filled and the same is compressed by forcing the spoon against it the liquid contained therein will be ejected through the nipple and out of the muzzle of the barrel.

The bulb may be readily refilled when emptied by compressing the same with the spoon, pouring the liquid into the barrel, and allowing the suction created by the tube expanding to draw the liquid into the bulb, this operation being repeated until the bulb is filled.

It will be noted that various changes may be made in the details of construction without departing from the general spirit of my invention.

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

In a liquid-pistol, a shell or casing formed in two halves, each of said halves consisting of a portion of a handle or grip, a socket *b*, a bulged portion *d*, forming a receptacle, a barrel secured in said socket, a pocket *g*, formed in the inner end of said barrel, a flexible bulb, said flexible bulb being provided with a nipple registering with the opening in the barrel, a trigger journaled at the lower part of the bulged portion and between the two sections, said trigger being provided with a spoon-shaped extension being adapted to engage the rear of the flexible bulb to compress the same, whereby the liquid is ejected through the barrel, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

ALEXANDER F. HUMPHREY.

Witnesses:

JOHN NOLAND,

THOS. M. BOYD, Jr.