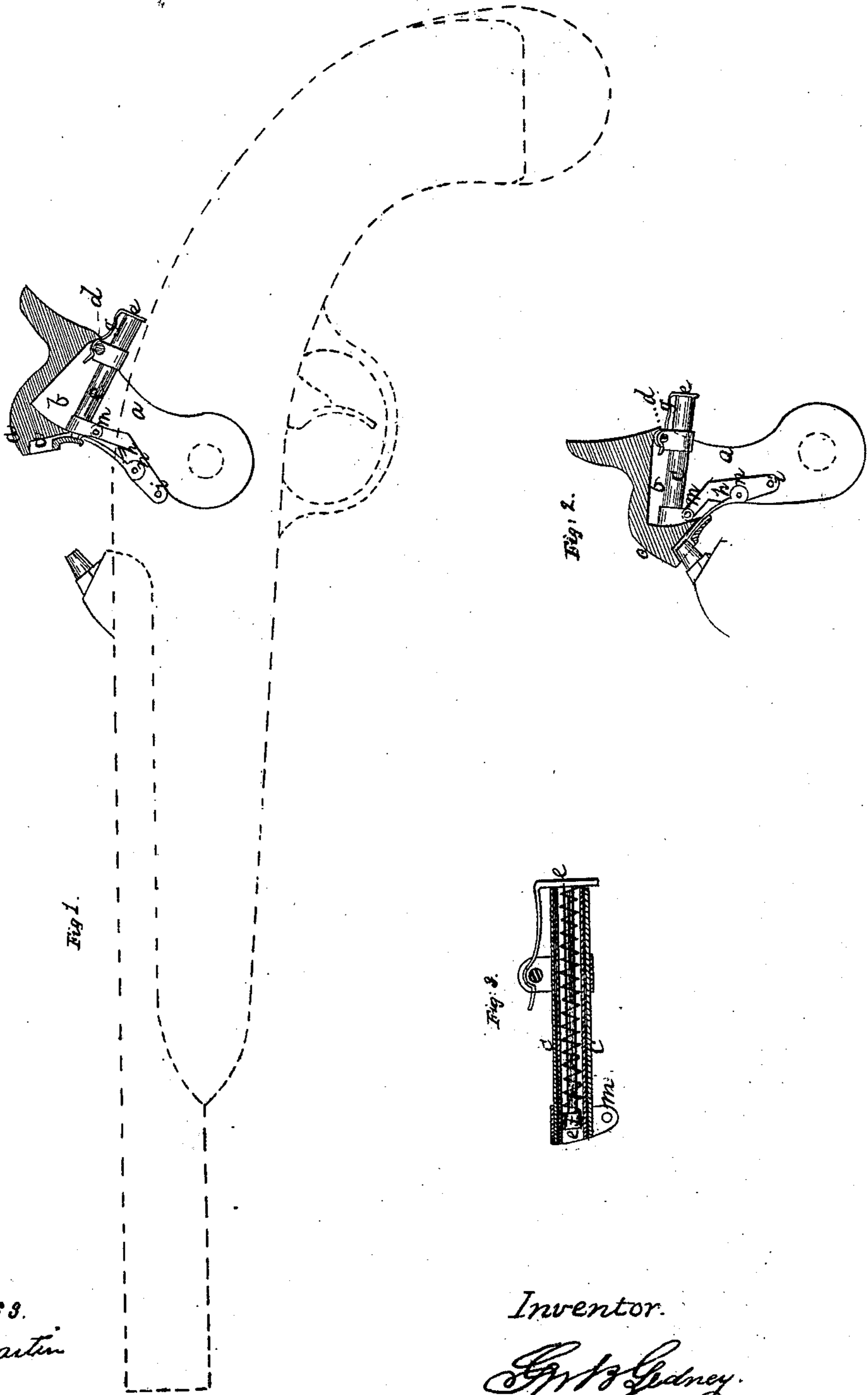


G. W. B. GEDNEY.

Gun Lock.

No. 23,241.

Patented Mar. 15, 1859.



Witness.
Geo. Martin

Inventor.
G. W. B. Gedney.

UNITED STATES PATENT OFFICE.

G. W. B. GEDNEY, OF NEW YORK, N. Y.

SELF-PRIMING FIREARM.

Specification of Letters Patent No. 23,241, dated March 18, 1859.

To all whom it may concern:

Be it known that I, G. W. B. GEDNEY, of the city, county, and State of New York, have invented certain new and useful In-

vention in Priming Apparatus, being an Improvement in Firearms; and I do hereby describe and ascertain said invention, referring to the accompanying drawing, in which—

Figure 1, is a vertical section of the hammer and attachments when cocked. Fig. 2, the same when discharged. Fig. 3, an enlarged view of the priming magazine in section.

My improvement consists of an apparatus affixed to the hammer so as to carry forward the priming from a magazine, cut it off and present it while the hammer is falling, all the parts being regulated and actuated by the movement of the hammer alone and is applicable to all arms.

The construction is as follows:

The barrel chambers, lock and stock may be of any pattern of single discharge or repeating arm the change being wholly confined to the hammer, and this can be applied to arms now manufactured by simply removing the original hammer and replacing it with the new one.

The hammer *a* shown in the drawing is affixed to the ordinary holster pistol of government pattern. This hammer has a somewhat enlarged head in which there is a recess *b* shown clearly in the section Fig. 2. Into this recess the chamber *c* or priming magazine fits; it is a round tube as shown in the drawing pivoted at *d* and with its front end bearing against the front curved part of the recess which is curved on a circle of which the pivot *d* is the center. This priming magazine has a slide tube fitting into it, lettered *e* (most distinctly illustrated at Fig. 3, which is a magnified view thereof) in which there is a spiral spring inclosed having a piston *f* affixed to its end, the priming is a cylinder of fulminate, which has been already patented, this is inserted in the chamber *c* and the spring-piston-tube *e* pushed in after it the piston *f* resting against its end a stout spring *g* catches over the fulcrum *d* and being affixed to the tube *e* holds in the chamber *c* as clearly seen in the section Fig. 3. This arrangement keeps the priming thrust forward and when in the position seen in Fig. 1, the priming projects

out of the chamber or magazine, as indicated by the red lines, a sufficient distance to form a single priming for one discharge. The face of the hammer *a'* that strikes upon the nipple meets the plane of the front curve of the recess *b* at a sharp angle forming a cutter edge across which the end of the priming projects in the position Fig. 1, but when the hammer is thrown down into the position Fig. 2, the magazine is thrust upward into the recess behind the face of the hammer and the piece of priming which has been severed from that in the magazine is thrust up into the proper place to be struck with percussive force between the hammer and nipple. These movements are effected by a simple link *h* the lower end of which is pivoted to the lock plate at *i* its other end being jointed to the front end of the chamber at *m* the piece that carries up the priming over the face of the hammer being jointed to the link at *n*. It will be noticed that as the lower pivot of the link is stationary when the hammer falls the chamber *c* will be carried up into the recess behind the face of the hammer and entirely out of danger from the discharge while the piece of priming cut off is thrust directly between the hammer-face and nipple.

This device although intended for the patent cylindrical priming will answer for other kinds while the change in the arm does not prevent the use of caps in the ordinary way so that if the priming cannot be procured or if from any cause it becomes desirable to use common caps they can at once be applied without any change.

Having thus fully described my improvement in apparatus for priming fire arms what I claim therein as new is—

1. The pivoted chamber or magazine within a recess in the hammer-head substantially as herein set forth and operated by a link pivoted to the lock plate or some other stationary part of the pistol or other arm.

2. I also claim cutting off the priming at the edge of the hammer face as specified and carrying the same into the proper position for exploding upon the nipple or cone as described.

G. W. B. GEDNEY.

Witnesses:

GEO. G. MARTIN,
JNO. A. HILLERY.