

(No Model.)

E. PRUCKNER.
TOY PISTOL.

No. 560,045.

Patented May 12, 1896.

Fig. 1.

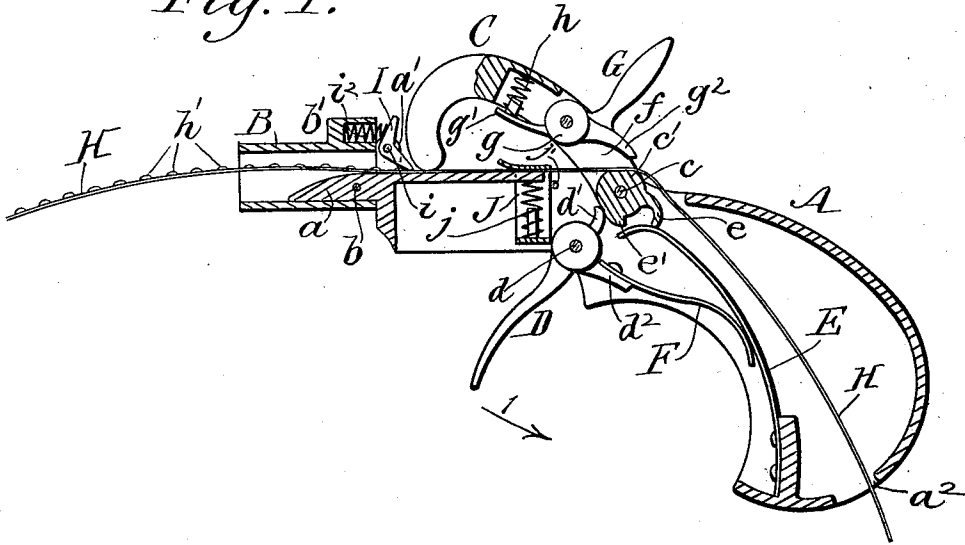
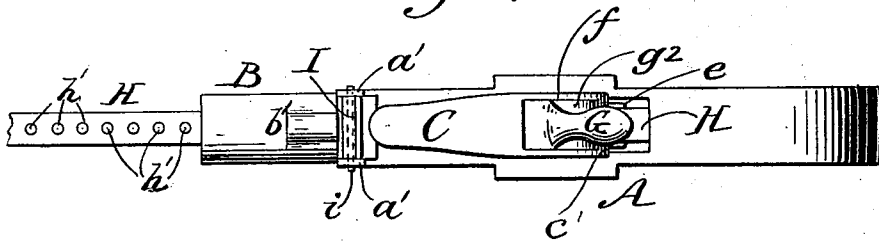


Fig. 2.



WITNESSES:

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TOY PISTOL.

SPECIFICATION forming part of Letters Patent No. 560,045, dated May 12, 1896.

Application filed October 9, 1895. Serial No. 565,152. (No model.)

To all whom it may concern:

Be it known that I, EDMUND PRUCKNER, a citizen of the United States, and a resident of Newark, county of Essex, and State of New Jersey, have invented certain new and useful Improvements in Toy Pistols, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to improvements in toy pistols of the class adapted to explode percussion caps or pellets, the object of the invention being to provide an article of this character with an automatic feed mechanism whereby a strip of paper carrying pellets of fulminating substance may be fed through the barrel to the point where the hammer strikes by the act of cocking or setting said hammer. The invention will be hereinafter fully described, and specifically set forth in the annexed claims.

In the accompanying drawings, forming part of this application, Figure 1 is a longitudinal sectional elevation of my improved pistol, and Fig. 2 is a plan view thereof.

In the practice of my invention I provide a hollow casing A, which forms the stock or rear portion of the pistol. Upon the forward end of this said casing is a projection *a*, to which projection is secured, by means of a pin *b*, a barrel B, and the two parts in combination give the device the general appearance of a pistol.

The operative portions of the device comprise a hammer C and a trigger D, the said hammer and trigger being held between the two side walls of the casing A by means of pins *c* and *d*, upon which they are adapted, respectively, to revolve. Projecting rearwardly and downwardly from the hub *c'* of the hammer C is a lug *e*, which is in contact with a spring E. The hammer C is further provided upon the periphery of the hub *c'* thereof with a lip *e'*, which is adapted to engage with a lug *d'*, which forms part of the trigger D. This said trigger has projecting therefrom and formed integrally therewith an arm *d²*, to which arm is attached a spring F. This said spring bears against the spring E and normally maintains the trigger in its forward position. The hammer C has cut there-

through a channel or aperture *f*, into which aperture is fitted a lever G. From the hub *g* of this lever projects forwardly and rearwardly, respectively, two arms *g'* and *g²*, the former of which is in engagement with a coiled spring *h*, and the latter is adapted to engage with and clamp a strip of paper H, which is adapted to be fed through the machine and to contain pellets of fulminating material.

The forward end of the casing A is provided with two upwardly-projecting lugs *a'*, to which lugs are pivotally attached, by means of a pin *i*, a dog I, which dog is in engagement with a coiled spring *i²*, which is held within a socket *b'*, which forms part of the barrel B.

Depending from and passing through the upper wall of the casing A is a spring-pressed guide J, which is maintained in normal engagement with the said upper wall by means of a coiled spring *j*, and lateral movement of the said guide is prevented by means of a pin *j'*, which passes through the two side walls of the casing A.

When the device is in use, a strip of paper H, which is supplied upon its upper face with pellets of fulminating material *h'*, is passed through the barrel from front to rear, thence under the dog I and also under the guide J; then over the hub *c'* of the hammer C, and down into and out through a hole *a²* of the handle.

In operating the device the hammer is forced into its rearward position by grasping the lever G. This said lever will, before the hammer starts to revolve, clamp the paper strip H between its rearwardly-projecting arms *g²* and the hub *c'*, and as the hammer revolves the upper strip will be moved in a rearward direction for a distance corresponding to the part of a revolution described by the hub *c'*. This said distance, being exactly equal to the space dividing the fulminating pellets from each other, will cause one pellet to be carried to a point where the hammer strikes every time the said hammer is revolved or cocked.

The clamping-dog I and the guide J will maintain just sufficient tension to cause the strip to move only the desired distance and prevent looping or bending of the same.

When the hammer C is moved rearwardly

to a sufficient distance, the lip *e'*, forming part thereof, will engage with the lug *d'* of the trigger D, whereby the said hammer will be locked in its upward position.

- 5 To explode the fulminating-pellet, which has been brought to a point directly over the position where the hammer will strike, it is only necessary to pull the trigger D in the direction of the arrow 1, which releases the
10 lip *e'* and allows the spring E to act, as is the case in any hammer-and-trigger mechanism.

I do not confine myself to the exact details of mechanical construction as described above, as it is obvious that under the scope
15 of my invention I may make slight modifications of mere mechanical detail.

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

- 20 1. A toy pistol adapted for exploding pellets of fulminating material, arranged in series upon a strip of paper or other material, comprising a casing having a spring-actuated hammer and trigger secured therein and a
25 spring-pressed clamping-dog and a guide adapted to maintain tension upon the top thereof, and a tubular channel or barrel upon the outer end thereof, the said hammer being supplied with a spring-pressed lever adapted

to clamp a strip of material containing ful- 30
minating-pellets against its hub, whereby said strip may be fed rearwardly by the action of cocking the pistol; substantially as shown and described.

2. In a toy pistol, the combination of the 35
hollow casing having a tubular channel or barrel secured to the end thereof and a spring-pressed clamp or dog and spring-pressed tension-guide upon the top thereof, and the spring-actuated hammer and trigger pivot- 40
ally mounted in the stock thereof, the said hammer having mounted therein a lever which has two projecting arms upon the hub thereof, said arms adapted to engage respec- 45
tively with a coiled spring and a strip of material containing pellets of fulminating substance, whereby said strip may be fed rear-
wardly by the act of cocking the pistol; sub-
stantially as shown and described.

In testimony that I claim the foregoing as 50
my invention I have signed my name, in presence of two witnesses, this 8th day of October, 1895.

EDMUND PRUCKNER.

Witnesses:

M. MACCLEAN,
B. McCOMB.