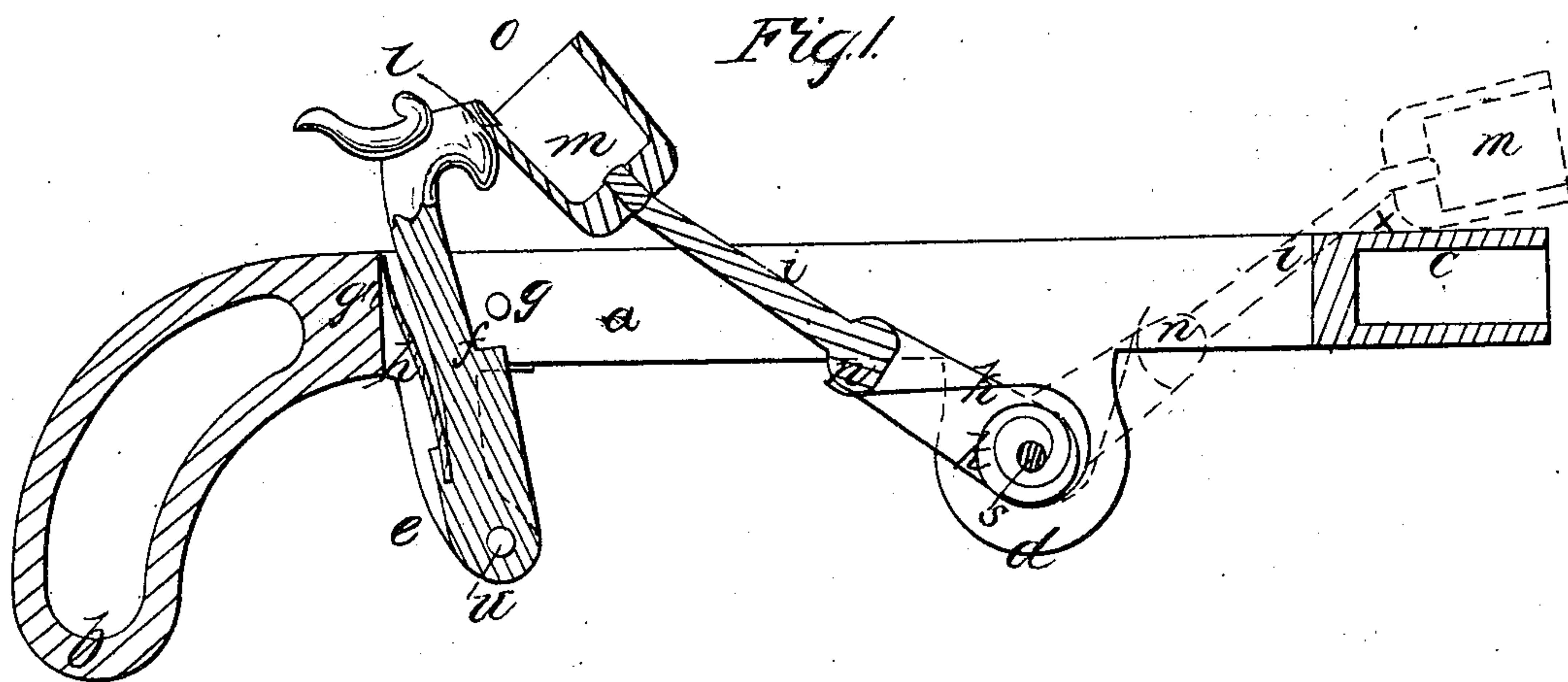


J. D. FRARY.
TOY GUN.

No. 43,677.

Patented Aug. 2, 1864.



Witnesses:
L. B. Lunk
Jeremy W. Bliss

Inventor:
J. D. Frary

UNITED STATES PATENT OFFICE.

JAMES D. FRARY, OF NEW BRITAIN, CONNECTICUT.

TOY GUN.

Specification forming part of Letters Patent No. 43,677, dated August 2, 1864.

To all whom it may concern:

Be it known that I, JAMES D. FRARY, of New Britain, county of Hartford, and State of Connecticut, have invented certain new and useful Improvements in Toy Guns; and I do hereby declare that the same is described and represented in the following specification and drawing; and to enable others skilled in the art to make and use the same I will proceed to describe its construction and operation, referring to the drawing.

The nature of this improvement will be fully understood by reference to the specification and drawing, which is a side view showing in section all the parts in detail.

a is the stock; *b*, the handle; *c*, the barrel for holding fire-crackers. *d* is a case for holding a spring. *e* is the trigger-guard, all of which are or may be formed in one piece from any suitable material or metal.

f is what represents a hammer and trigger combined, which is secured by a pin, *u*, near the lower end of the trigger-guard *e*, and is held forward against the pin *g* by the spring *h*.

i is a throw-arm, one end of which is secured and works freely on a fulcrum-pin, *s*, nearly in the center of the case *d*, the object of which is to produce a more forcible discharge of the ball or torpedo from the socket *m*, secured thereon, and to do so at a fixed point the outer end of this arm or the body of the socket *m* secured thereon is designed to strike onto the front end of the stock at *x* as a fixed point of its discharge.

k is a coiled spring, one end of which (the inner end) is also secured to said fulcrum-pin *s* independent of the arm *i*, and the other end of said spring takes its bearing against a pin or projection, *n*, made or formed on said arm.

m is a socket secured onto the outer end of the throw-arm *i*, and is so arranged that when drawn back, as shown at *o*, it will strike upon and force back the upper end of the trigger, and at the same time it (the trigger) will spring forward and hold the socket in a proper position to receive a ball or torpedo. Now, by placing a ball or torpedo in the socket (while held in this position) and pulling the trigger in the usual way, it (the ball or torpedo) will be thrown forward therefrom nearly in a line or range with the barrel or stock.

The barrel *c* is designed for holding and safely exploding fire-crackers.

I have thus endeavored to show the nature, construction, and operation of this improvement, so as to enable a person skilled to make and use the same therefrom.

What I claim, therefore, and desire to secure by Letters Patent as a new improved article of manufacture or toy gun, is—

1. The employment of a spring trigger-catch, *f*, secured at *u*, arranged (between shoulder or pins *g' g*) so as to have but a limited vibration, substantially as and for the purpose as shown and described.

2. The arm *i* upon a fulcrum-pin, *s*, in combination with a detached spring, *k*, vibrating between the fixed points *g'* and *x*, substantially as and for the purpose as shown and described.

3. The combination or arrangement of the stock *a*, handle *b*, barrel *c*, case *d*, guard *e*, trigger and spring *f h*, arm and spring *i k*, substantially as and for the purpose described.

JAS. D. FRARY. [L. S.]

Witnesses:

I. B. LUNT,
JEREMY W. BLISS.