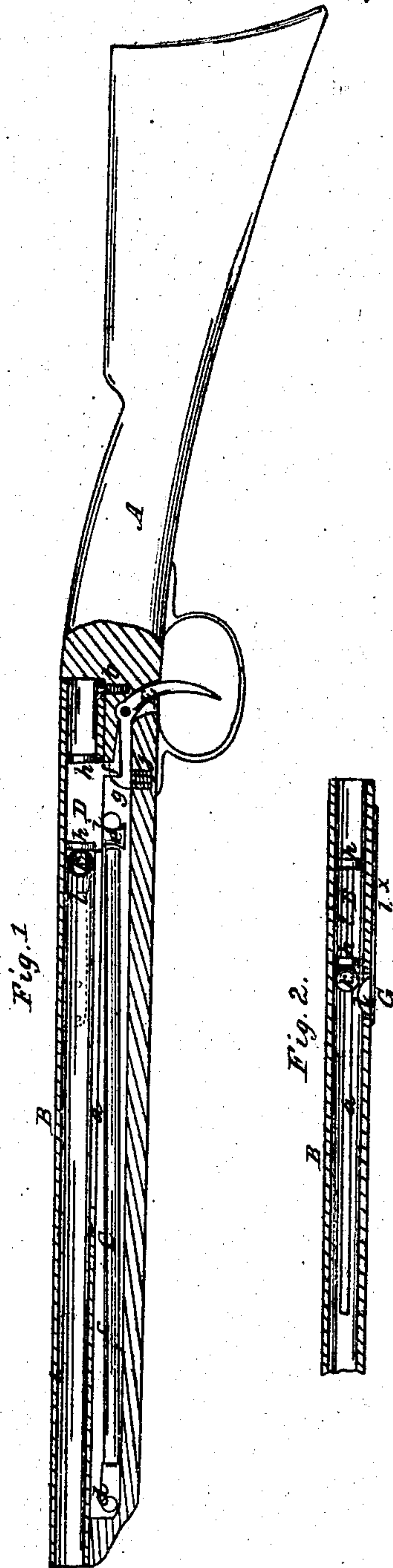


S. Hubbard

Toy Gun

No. 74825

Patented Feb. 25. 1868



Witnesses
Dr. C. Ashkett
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Inventor
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per Munn & Co.
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United States Patent Office.

SOCRATES HUBBARD, OF QUINCY, ILLINOIS.

Letters Patent No. 74,825, dated February 25, 1868.

TOY-GUN.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, S. HUBBARD, of Quincy, in the county of Adams, and State of Illinois, have invented a new and improved Toy-Gun; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention consists in the application of an elastic cord to a toy-gun, in such a manner that it may be stretched or distended, and held in a distended state by a catch with trigger attached, the cord being connected to a slide which works within the barrel of the gun, and all so arranged that, by pulling the trigger, and thereby operating the catch, and releasing the cord, the latter will, by its elasticity, project the shot arrow or other missile from the gun. In the accompanying sheet of drawings—

Figure 1 is a side sectional view of my invention.

Figure 2, a detached horizontal section of the barrel taken through the centre.

Similar letters of reference indicate corresponding parts.

A represents the stock of the gun constructed in the form of what is generally termed "full stock," the wood extending the whole length of the barrel B, as shown clearly in fig. 1. The barrel B is constructed of metal, and it is slotted longitudinally at its under side, as shown at *a*. The barrel is secured to the stock by a screw, *b*, or other suitable means, and in the stock, underneath the barrel, there is made a longitudinal groove, *c*, to receive an elastic cord, C, the outer end of which is secured in the outer end of the groove, as shown at *d* in fig. 1. The inner end of the cord is attached to a slide, D, which is fitted and works in the barrel B, said cord being fitted to or around a pendent projection, *e*, which extends down through the slot *a* in the barrel into groove *c*, as shown in fig. 1. The inner end of the slide D has a pendent projection, *f*, to catch into a notch or behind a shoulder, *g*, in the front end of a curved lever, E, the lower part of which forms the trigger. The slide D may be of metal, and its head and rear are composed of two circular disks *h h*, nearly equal in diameter to the internal diameter of the barrel, the disks being connected by a flat strip, *i*. These parts may be of metal, and all cast in one piece. Against the under side of the front part of the lever E a small spring, *j*, bears, which has a tendency to keep the shoulder *g* of lever E pressed upward in front of the projection *f* of the slide, as will be fully understood by referring to fig. 1.

In order to load the gun, all that is required is simply to press down the slide D by means of a ramrod, until the projection *f* catches behind the shoulder *g* of the trigger, the cord C being thereby stretched. The ball *k*, or other missile, is then dropped into the barrel, and rests upon the slide, the ball being prevented from rolling out of the barrel, when the same is inclined downward, by means of a stop, G, composed of a projection on a spring, *l*, attached to the outside of the barrel; the projection passing through an opening, *m*, in the barrel by the side of the ball, or a little in front of the same, so as to press lightly against the latter and retain it in place, as will be fully understood by referring to fig. 2. In order to project the ball or missile *k*, the trigger E is pulled, and the slide thereby released, so that the elastic cord C will spring forward and carry the slide D with it, and project the ball with a force or velocity due to the strength of the cord.

I claim as new, and desire to secure by Letters Patent—

1. Constructing the slide D of two heads *h h*, an intermediate slip, *i*, and pendent projections *e f*, whereby lightness, with strength and durability, is obtained.
2. The stop G, constructed and applied to the gun to retain the missile therein when the barrel is inclined downward, substantially as set forth.
3. The combination of the elastic cord C, slide D, trigger E, and stop G, all arranged for joint operation, substantially in the manner as and for the purpose specified.

The above specification of my invention signed by me, this 12th day of December, 1867.

Witnesses:

L. H. WILCOX,
C. O. WILCOX.

SOCRATES HUBBARD.