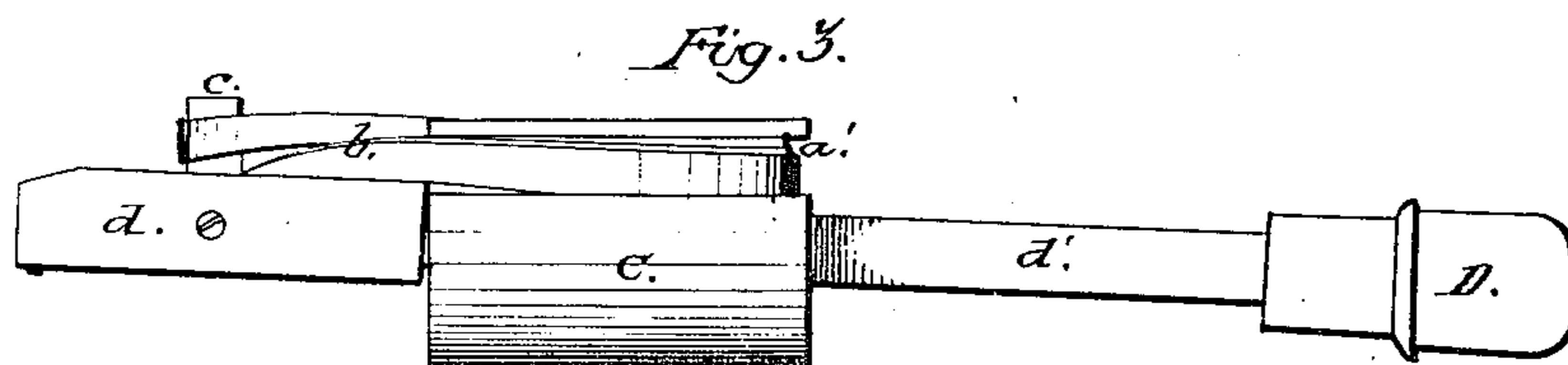
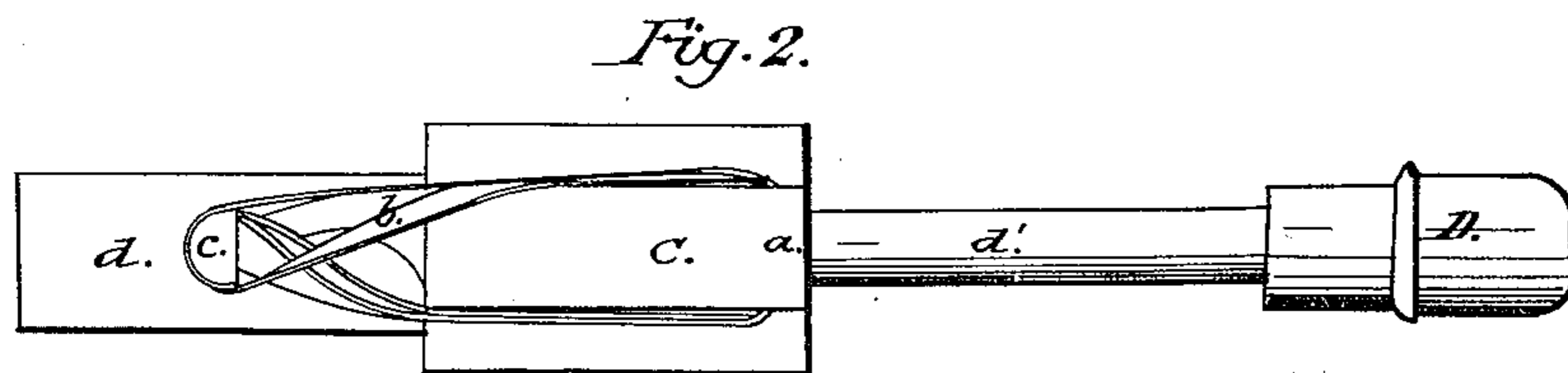
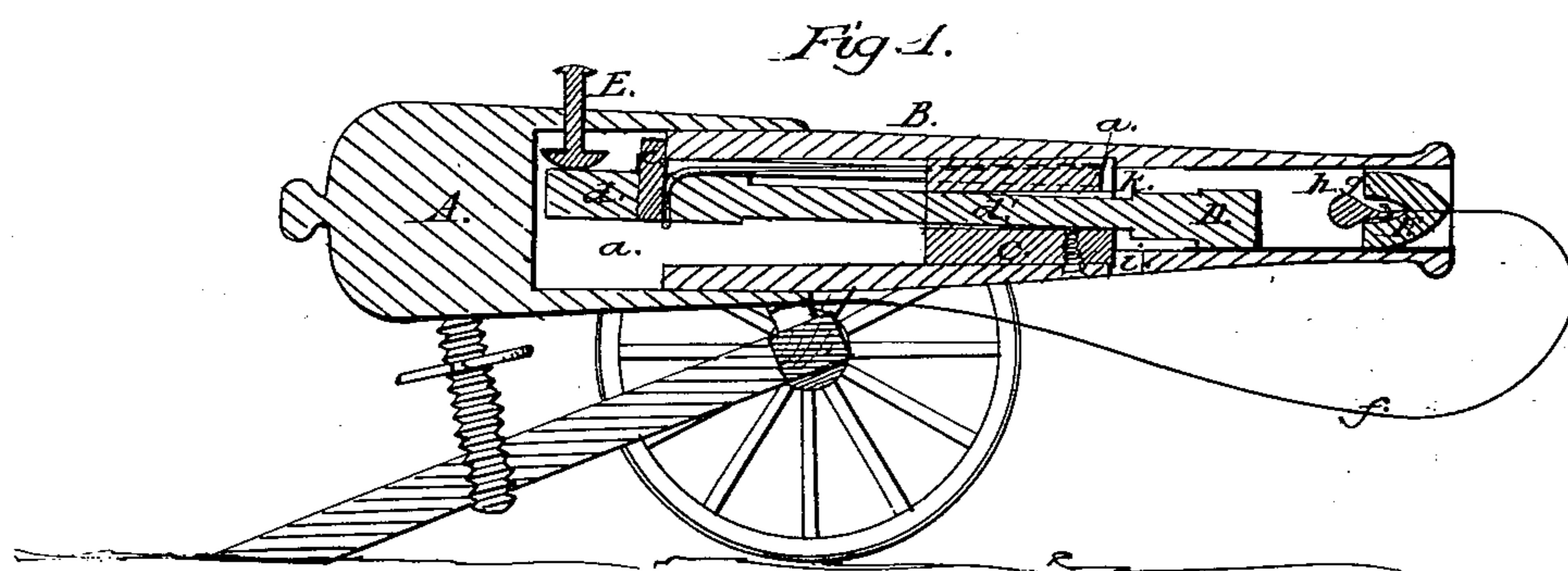


*Trask & Ford*

*Toy Gun.*

*N<sup>o</sup> 87,887.*

*Patented Mar. 16, 1869.*



*Witnesses:*  
*S. N. Poir.*  
*J. C. Snow.*

*Inventors:*  
*Edward Trask & C. T. Ford.*  
*by their attorney*  
*H. H. Cook.*

# United States Patent Office.

EDWARD TRASK, OF FITCHBURG, AND CHARLES T. FORD, OF  
SALEM, MASSACHUSETTS.

*Letters Patent No. 87,887, dated March 16, 1869; antedated March 5, 1869.*

## TOY-GUN.

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

*To all persons to whom these presents may come:*

Be it known that we, EDWARD TRASK, of Fitchburg, in the county of Worcester, and CHARLES T. FORD, of Salem, in the county of Essex, and State of Massachusetts, have invented an Improved Toy-Gun; and do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 denotes a longitudinal section of the gun, and its projectile, or torpedo-carrier.

Figure 2 is a top view, and

Figure 3 is a side view of the hammer, its spring, and stop-block.

The barrel of the piece, we form in two sections, A B, the latter of which, B, is inserted within and projects from the front part of the bore, or chamber, *a*, of the other, A, the same being as represented in fig. 1.

Within the bore of the part B there is arranged and fixed a cylinder, C, grooved so as to form a hook, *a'*, on which to hitch one or more India-rubber or looped springs, shown at *b*, the said spring or springs being also hitched upon a stud, *c*, projecting upward from the heel-piece *d* of the hammer, or plunger D.

The shank, or stem, *d'*, of the said hammer, slides through the cylinder C.

By introducing a rammer, or rod, into the muzzle of the gun, and pressing the hammer back, the spring or springs will be distended until the stud passes by, and rises and catches against the rear end of the part B, in which case the heel-block *d* of the hammer will come directly underneath a trigger, or vertical slide, E, arranged in the gun in manner as represented.

By pressing down the trigger, so as to depress the heel-piece, sufficient to force its stud away from the breech of the part B, the spring or springs will be set free, and, by their contractile power, will smartly advance the hammer.

There is connected with the gun, by means of a chain, or cord, or a flexile wire, *f*, a ball, or projectile, F, within which is a chamber, *g*, which opens through the rear of the ball, and is for the purpose of receiving a common torpedo, or detonating cracker, which is usually composed of a small amount of fulminating silver, and some sand or gravel, and an envelope of thin paper.

The ball slides on the wire, which, at the end next a loop, *h*, through which the tail, or twisted part of

the envelope is to be inserted, the same being in order that, by pulling on the wire, the said twisted part may be drawn into the cavity, or chamber *g*, leaving the rest of the torpedo so projecting from the ball, in order that after the ball, with the torpedo, may have been introduced into the gun, the torpedo may be struck by the head of the hammer, during the advance of such hammer. On the torpedo being so struck, it will be exploded, and the ball will be driven out of the gun.

Just in advance of the cylinder C there is a hole, *i*, leading downward from the bore of the piece, such hole being for the purpose of discharging the sand or gravel of the torpedo, which may be blown rearward on the wire by the force of the explosion of the fulminate.

In order that the rubber spring or springs may not be injured by the sand or the flame during an explosion, there is arranged against the front end of the cylinder, a metallic plate, or guard, *k*, which covers the spring or springs in such manner as to protect them from the flame and sand.

The advance of the plunger will be limited by its heel-piece being brought into contact with the rear end of the spring-cylinder.

We claim the combination, as well as the arrangement of the hitching-cylinder, or block, C, the spring or springs *b*, the heel-piece *d*, its studs *c*, with the parts A and B of the gun-barrel, and a trigger applied thereto, so as to operate the heel-piece as specified.

We also claim the ball, or projectile, as made with a chamber to receive and hold the torpedo; also, as combined with the gun by means of a flexile wire, or its equivalent.

We also claim the ball, or projectile, as constructed with a torpedo-receiving chamber, and the wire for holding the ball to the gun, as made with a loop, or its equivalent, for the purpose of drawing the torpedo into the chamber, as set forth.

We also claim the arrangement and combination of the ball *i* with the gun and the plunger, arranged and provided with mechanism for operating such plunger, substantially as specified.

EDWARD TRASK.  
CHARLES T. FORD.

Witnesses:

R. H. EDDY,  
F. P. HALE, Jr.