(No Model.)

F. M. LEWIS.

TOY GUN.

No. 287,946. Patented Nov. 6, 1883.

Fig. 1

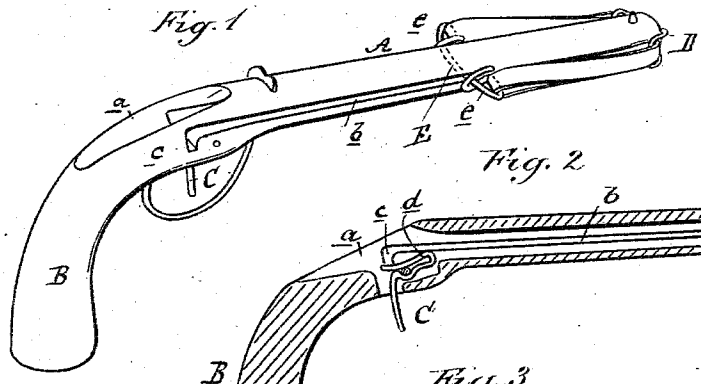


Fig. 2

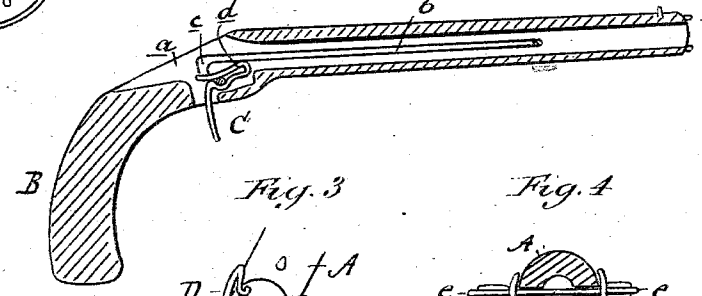
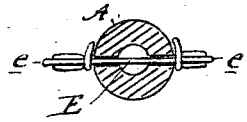


Fig. 3

Fig. 4



Attest:
A. Barthel
E Scully

Inventor:
Francis M. Lewis
by his Atty Thos L Sprague

N. PETERS. Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

FRANCIS M. LEWIS, OF LANSING, MICHIGAN, ASSIGNOR OF ONE-HALF TO KIEL W. BECKER, OF SAME PLACE.

TOY GUN.

SPECIFICATION forming part of Letters Patent No. 287,946, dated November 6, 1883.

Application filed August 8, 1883. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS M. LEWIS, of Lansing, in the county of Ingham and State of Michigan, have invented new and useful Improvements in Toy Pistols; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to certain new and useful improvements in the manufacture of toy pistols, by means of which bullets, small pebbles, peas, or other like articles, or an arrow, may be shot with great accuracy of aim.

The invention consists in the peculiar construction and arrangements of the parts, as more fully hereinafter described.

Figure 1 is a perspective of my improved pistol. Fig. 2 is a section showing the trigger-guard and trigger, and the relation of the latter to the breech. Fig. 3 is a detached view of the spring-fastenings used at the muzzle. Fig. 4 is a cross-section on the line of the rear fastening of the springs.

In the accompanying drawings, which form a part of this specification, A represents a barrel, and B the stock, of the pistol, made of wood, and all in one piece. A bore is made in the barrel through its whole length, the rear end of such bore terminating in a chamber, *a*, at the bend of the handle. Both side walls of the barrel, on each side of the central axis of the bore, are slotted, as shown at *b*, such slots extending from a point about one-third back of the muzzle to the rear end of the bore, where they terminate in downwardly-projecting slots *c*.

C is a trigger pivotally secured within the chamber at the rear end of the barrel, as shown, so that its free end will disengage the spring-holder, while the bend *d* will retain a bullet in its place, and prevent, if the muzzle is depressed, such bullet from running through the barrel.

D are two loop-hooks, the ends of which are returned upon themselves, so as to allow of their being driven in the end of the muzzle, substantially parallel with the bore, and which engage—one upon each side—with the muzzle, and in the loops are placed rubber loop-springs. The rear ends of these springs, being also loops, are connected with the loops *e* of the wire or spring holder E. This wire is passed through the slots in the sides of the barrel, and, the spring-loops being connected therewith, is drawn toward the breech the whole length of the slot, and engaged with the notches or downwardly-projecting slots at the end of the barrel.

A bullet, being inserted at the breech, is fired by pulling the trigger, which forces the wire out of its engagement, and the contraction of the springs compels the wire to strike the bullet with such force as to expel it from the barrel with a force only regulated by the strength and tension of the side rubber springs.

The pistol may be provided with the usual sights, and great accuracy of aim can be had by employing springs of sufficient strength to expel the bullet or arrow with proper force.

By the peculiar arrangement of these loops the strain tends to draw their points farther in, rather than pull them out, and any amount of strain can be put on the rubbers without there being any tendency to pull them out.

I am aware of Patents Nos. 66,531, 85,017, and 262,981, and make no claim to the constructions shown therein.

What I claim as my invention is—

A toy pistol consisting of a barrel and handle, of wood, in one piece, the side walls of said barrel being slotted, as shown, the trigger and side loop-springs attached to a retracting-wire and to loops D, having their ends returned upon themselves and driven into the end of the barrel, substantially parallel to the bore thereof, the parts being constructed, combined, and arranged and operating substantially as set forth.

FRANCIS M. LEWIS.

Witnesses:
E. SCULLY,
H. S. SPRAGUE.