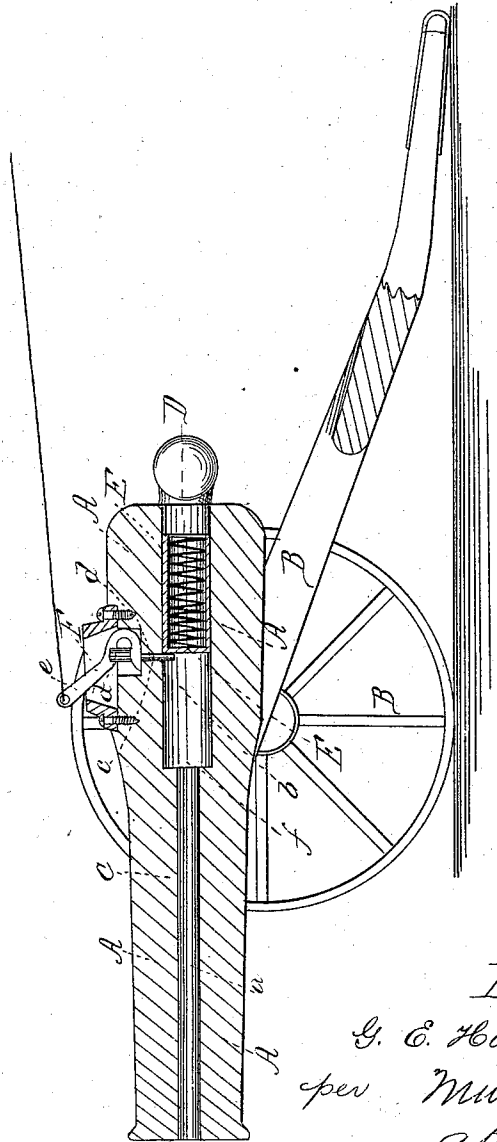


G. E. Hutchinson,

Spring Gun,

No 79,073,

Patented June 23, 1868.



Witnesses:
H. C. Ashkett
J. B. Green

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GEORGE E. HUTCHINSON, OF CLEVELAND, OHIO, ASSIGNOR TO HIMSELF
AND J. B. BROWN, OF PEEKSKILL, NEW YORK.

Letters Patent No. 79,073, dated June 23, 1868.

TOY CANNON.

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, GEORGE E. HUTCHINSON, of Cleveland, in the county of Cuyahoga, and State of Ohio, have invented a new and useful Improvement in Toy Cannons; 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, in which—

The drawing represents a longitudinal vertical section of my improved cannon.

This invention relates to a new spring-toy cannon, which is so arranged that it can be easily set and easily discharged, and consists chiefly in arranging the device for retaining the compressed spring, upon the body of the cannon, and not at the breech-end of the same, as is now generally done.

The invention also consists in confining the front portion of the spiral spring in a barrel, so that a pin, which forms part of the detaining-apparatus, can, by falling in front of the barrel, detain the compressed spring. The bore of the cannon is enlarged towards the breech, to form a shoulder for the barrel to strike against, and to prevent the barrel and spring from flying out.

The invention finally consists in the construction of the detaining-apparatus, which is simply an oscillating-lever, carrying a vertical pin. By turning the lever the pin can be drawn out to discharge the cannon, and it will at once reset itself by its own weight, when the lever is released and the spring compressed.

A, in the drawing, represents the barrel of the toy cannon, made of wood or other suitable material. It is hung upon a suitable carriage, B, as shown, and has a bore, C, which has a narrow front portion, *a*, and an enlarged rear chamber, *b*. Within the chamber *b* is arranged a spiral spring, D, the front portion of which is held in a sliding barrel, E.

Through an aperture, *c*, cut through the body of the cannon, is fitted a pin, *d*, which is suspended from an oscillating-lever, F, as is clearly shown in the drawing. The spring can be compressed by means of a ramrod or bolt inserted in the muzzle, and as soon as the front end of the barrel E comes in rear of the pin *d*, the latter will drop, and will keep the spring compressed, as in the drawing. When, then, an arrow or bolt is inserted in the bore, the arm *e* of the lever F may be drawn back, whereby the spring will be released and the arm discharged. The front end of the barrel F strikes against the shoulder *f*, forming the front of the chamber *b*, and is thus, with the spring, arrested. The barrel is so long that when it is in front, the end of the pin *d* will still rest on it, and therefore the barrel can be easily pushed back again, without being hindered by the pin, which only prevents it from moving forward, as above described.

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

A toy cannon having an enlarged chamber, *b*, at the rear end of the bore, and having the front end of the spring confined in a sliding barrel, E, in combination with the lever F and pin *d*, all made and operating substantially as herein shown and described.

GEO. E. HUTCHINSON.

Witnesses:

WM. F. McNAMARA,
ALEX. F. ROBERTS.