

K. Horde,
Spring Gun.

N^o 70,569.

Patented Nov. 5, 1867.

Fig. 1.

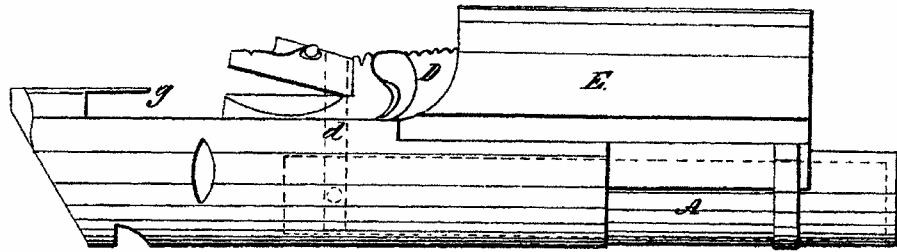


Fig. 2.

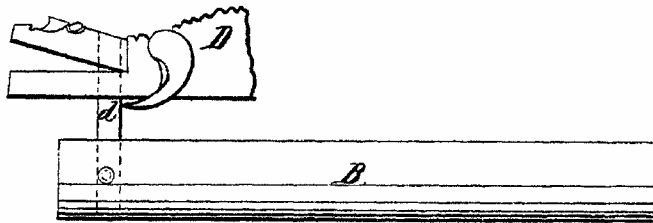
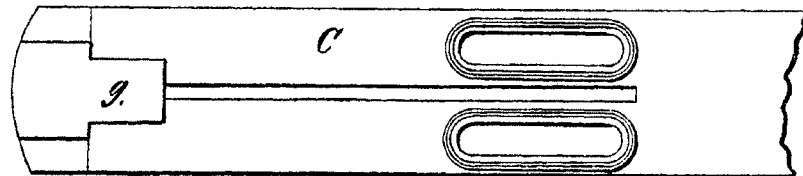


Fig. 3.



Witnesses:
Geo. A. Cook
Geo. White

Inventor:
Kellie Horde
Per
J. H. Alexander
Attys.

United States Patent Office.

KELLIS HORDE, OF WASHINGTON, DISTRICT OF COLUMBIA, ASSIGNOR TO
T. H. ALEXANDER, OF THE SAME PLACE.

Letters Patent No. 70,569, dated November 5, 1867.

IMPROVEMENT IN TOYS.

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, KELLIS HORDE, of Washington city, in the county of Washington, and District of Columbia, have invented certain new and useful Improvements in Toys; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification, in which—

Figure 1 is a side elevation.

Figure 2 a view of the plunger or piston, showing the manner in which it is attached to the figure of an alligator, and

Figure 3 is a plan of the stock.

The nature of this invention consists in the employment of a plunger or piston, which may be operated by compressed air, in combination with a lever so arranged as to impart motion from the plunger to the device or toy used in connection therewith.

To enable others skilled in the art to make and use my invention, I will now describe its construction and operation.

B represents the plunger, the outer end of which must fit accurately yet easily in tube A. The bore of this tube should be perfectly true and smooth. The outer or rear end of the plunger should be furnished with some material upon which moisture will have no effect, either in contracting or expanding the same; for instance, metal may be cast on the end, and turned down to fit the bore of tube A, as above described, or the plunger may be furnished with a gutta-percha button or knob. C represents the stock, which is provided with the longitudinal slot and apertures seen in fig. 3. *g* is a small platform, the object of which will be fully shown hereafter. E is a metal or wooden casing, intended as a retreat or hiding-place for the figure. D represents the figure of an alligator, with its upper jaw hinged to its neck by means of a piece of flexible material. *a* is a vertical lever, which extends through an elongated slot in the under into the upper jaw, and there secured. The lower end of this lever is pivoted in a slot near the inner end of the plunger.

The operation of the toy is as follows: Place a penny on platform *g*; now put the tube A to your mouth, and blow. The compressed air, acting upon the plunger, at once causes the figure to appear with its mouth open. When it reaches the penny, withdraw the air in the tube by inhaling, when the figure closes his mouth upon the penny, and retreats with it to his hiding-place. The upper jaw of the figure can be made to open and close its mouth very rapidly, while it is lying in a state of rest, by gently blowing and inhaling alternately.

I do not confine myself to the exact construction or device herein described, as, by means of the plunger and hinged lever or its equivalent, many modifications of my invention can be easily arranged, which, though apparently different, will yet embody substantially the invention which I desire to secure by Letters Patent.

What I claim, therefore, and wish to secure, is—

The plunger B. combined with tube A and lever *a*, for operating toys, substantially as described.

In testimony that I claim the foregoing as my own, I affix my signature in presence of two witnesses.

KELLIS HORDE.

Witnesses:

T. H. ALEXANDER,

C. ALEXANDER.