

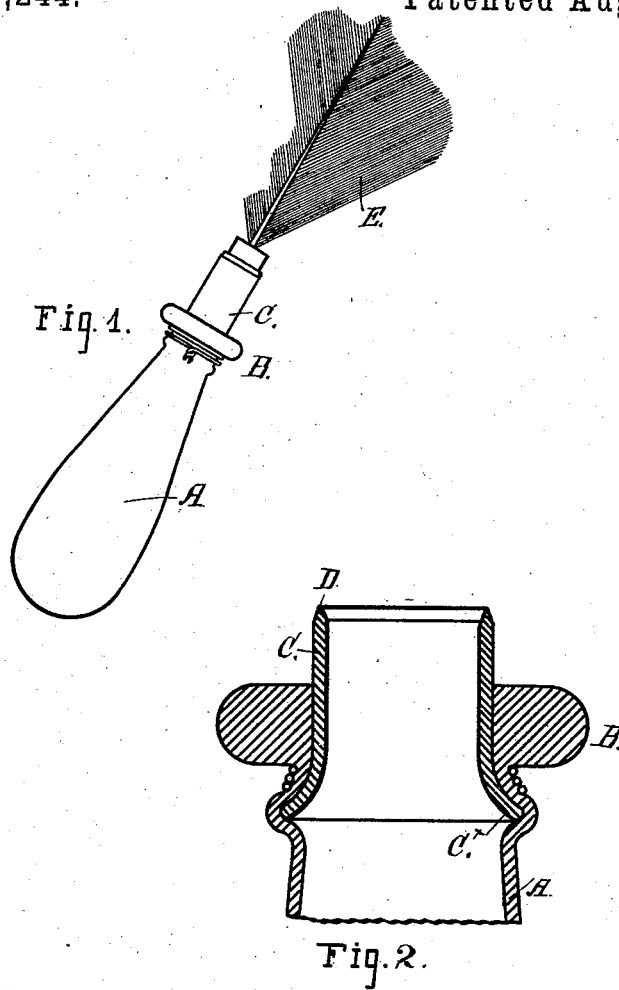
(No Model.)

P. D. HORTON.

TOY AIR GUN.

No. 347,244.

Patented Aug. 10, 1886.



Witnesses:

Wm. Mayer
Joseph E. Ford

Inventor:

Peter D. Horton
By *Wm. Smith*
Att'y

UNITED STATES PATENT OFFICE.

PETER DAVIS HORTON, OF SAN FRANCISCO, CALIFORNIA.

TOY AIR-GUN.

SPECIFICATION forming part of Letters Patent No. 347,244, dated August 10, 1886.

Application filed March 11, 1886. Serial No. 194,885. (No model.)

To all whom it may concern:

Be it known that I, PETER DAVIS HORTON, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented a new and useful Toy Air-Gun, of which the following is a specification.

My invention consists of an elastic bulb or air-container, in the mouth of which a tube is placed, having the inner end thereof made bell shape, and the edges of the outer end of the tube made beveling. Within the tube is placed a wad or stopper cut from a vegetable—such as a potato or apple—in which is placed vertically a vane or feather, so that when pressure is applied to the elastic bulb the cork or stopper will be forced out of the tube and upward into the air, making a report as the wad leaves the tube, and when descending will rotate or gyrate and fall gracefully to the ground, all of which will be hereinafter fully described.

Referring to the accompanying drawings, forming a part of this specification, Figure 1 is a plan or general view of my toy air-gun. Fig. 2 shows the neck of the bulb and tube in section.

The bulb, sack, or air container A of my toy gun is made of india-rubber, or other elastic material that will hold air without leakage when pressure is applied to it, and is provided with a neck of considerable length, to the outer end of which is made a band, B. Within the neck is placed a metal or other tube, C, having its inner end flaring, with a somewhat rounding flange, as at C*, so that it will press against the inner face of the neck of the bulb and prevent the air from escaping around the outside of the tube between it and the neck, and thereby prevent the necessary report when the wad or stopper is forced out. Both sides of the edge of the outer end of the tube are slightly beveled to a sort of a case-knife edge, as at D, for I have found in practice that if the end of the tube be cut with a square cut the report that takes place as the wad or stopper leaves the tube will not be so great,

and, besides, the wad for loading the tube can be more easily cut out by this method of construction. The tube is confined in the neck of the air-bulb by means of a small wire wrapped around the outside, back of the bead.

In practice, when a vegetable—such as an apple or potato—is used for a wad or stopper, a slice is cut from it of suitable thickness, and the end of the tube is thrust into it and withdrawn, leaving the core or wad in the bore, and by pressure upon the air-bulb the wad or stopper will fly out, making a report.

In order to increase the pleasing effect of the toy, I insert the tail end of a feather, E, in the wad, which forms a sort of vane or tail, so that when the wad is fired out it will gradually descend to the ground, gyrating as it falls in a very pretty and pleasing manner. For a more permanent wad or stopper I employ a cork, which may be covered with a thin coating of paraffine, which prevents the air in the bulb from escaping out around the cork, as it is essential that this point be made air-tight also. When a cork is employed for the wad, the stub of the feather or vane may be glued into it and the wad used permanently by recovering it after flying.

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

1. The toy air-gun herein described, consisting of an elastic bulb or air-container having a tube in the neck thereof, in which is placed a wad or cork provided with a vane or tail, as specified.

2. A toy air-gun consisting of an elastic bulb or air container, and a wad-holding tube in the neck thereof, the said tube having its inner end flaring, with a rounded edge, and its outer end beveled, as described.

In testimony that I claim the foregoing I have hereunto set my hand and seal.

PETER DAVIS HORTON. [L. S.]

Witnesses:

C. W. M. SMITH,
CHAS. E. KELLY.