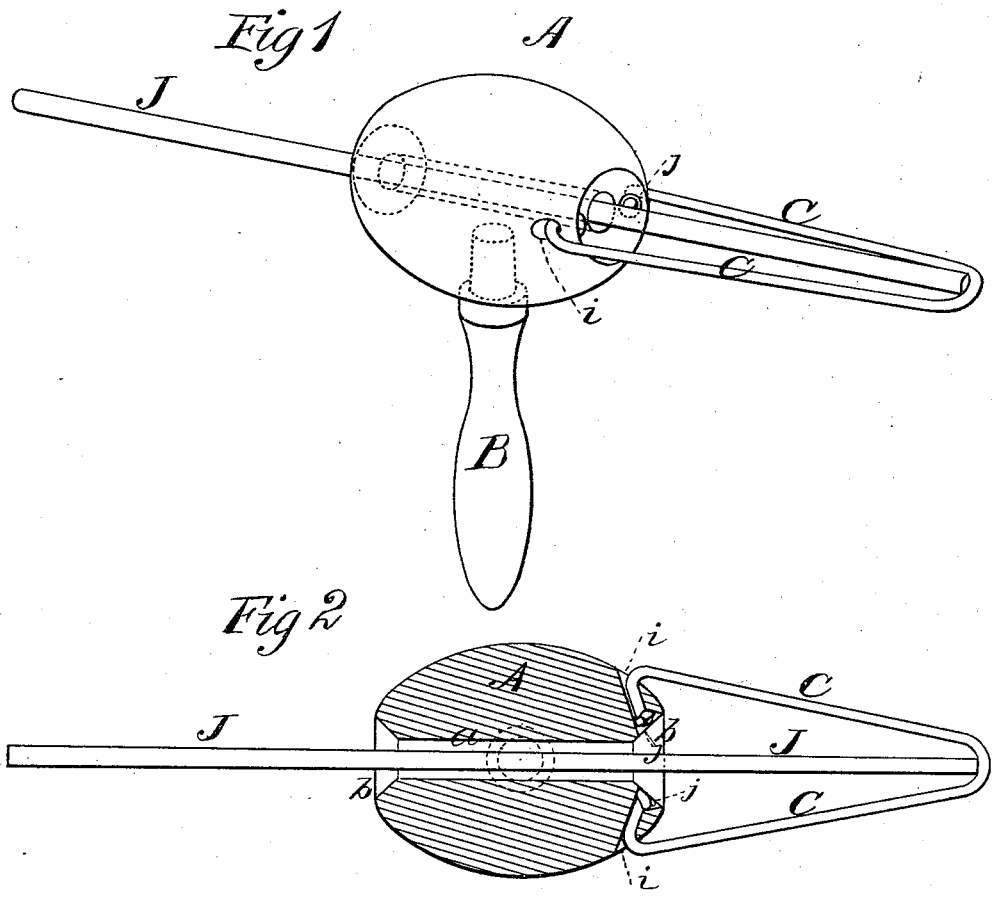


W. W. ALGEO.
TOY ARROW DISCHARGER.

No. 181,891.

Patented Sept. 5, 1876.



WITNESSES
Villette Anderson
Francis J. Case

INVENTOR
by *Wesley W. Algeo*
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UNITED STATES PATENT OFFICE.

WESLEY W. ALGEO, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF ONE-HALF HIS RIGHT TO LUCIUS J. RICHARDS, OF SAME PLACE.

IMPROVEMENT IN TOY ARROW-DISCHARGERS.

Specification forming part of Letters Patent No. 181,891, dated September 5, 1876; application filed April 15, 1876.

To all whom it may concern:

Be it known that I, WESLEY W. ALGEO, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and valuable Improvement in Target-Arrow Dischargers; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of perspective view of my improved arrow-discharger, and Fig. 2 is a horizontal section of the same.

This invention has relation to improvements in children's toys adapted for discharging an arrow at a target; and it consists in an oblong wooden block supported on a handle, and provided with a central perforation made through the same in its longer axis, which block is also provided with an elastic string, secured at each end to the said block, which, by its recoil, will discharge an arrow or rod inserted in the perforation, as will be hereinafter more fully explained.

In the annexed drawings, the letter A designates a preferably elliptical wooden block, having a perforation, *a*, extending through it in its long axis. This perforation, or "bore," as it might be better called, terminates at each end in a flaring or funnel-shaped recess, *b*, the object of which will hereinafter appear. As shown in Fig. 1, the arrow-block A is provided with a handle, B, at right angles to its length, by means of which it may be held with the bore *a* in a horizontal or inclined position, according to the direction or position of the target sought to be hit.

The arrow, J, which I use is a simple wooden rod, of somewhat less diameter than the bore, and preferably larger at one end than at the other. This rod is passed through bore *a* in block A, and its end notched upon a string,

C, of india-rubber, sheathed in a woven fabric to prevent its undue wear.

By drawing the arrow toward the person, the block being held stationary in the left hand, string C will be strongly extended, and when the arrow is let go it will be discharged with considerable force out of the block by the contraction of the string.

The ends of the bore being reamed out or funnel-shaped, no difficulty will be experienced by little children in inserting the arrow into the block.

The discharging-string C is secured to one end of the block A by passing its ends from outside into and through perforations *i*, formed at each side of recess *b*, and opening into the same. The ends are then knotted for the purpose of preventing the string from being drawn out of the block. The inner ends of perforations *i* being reamed out, the knots will be received into the recesses *j* thus made, and will be out of the way of the arrow, whose flight will thus be unimpeded thereby.

The arrow-block being of some length, the arrow will be adequately guided, and may be discharged with considerable accuracy.

What I claim as new, and desire to secure by Letters Patent, is—

1. The block A, having an axial bore, *a*, with funnel-shaped ends *b*, and the elastic discharging-string C, substantially as specified.

2. The toy herein described, consisting of an oblong arrow-block, A, having a bore, *a*, reamed out at each end, a handle, B, a discharging-string, C, and a rod or arrow, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WESLEY W. ALGEO.

Witnesses:

ALLEN H. GANGEWER,
JNO. J. NOLAN.