

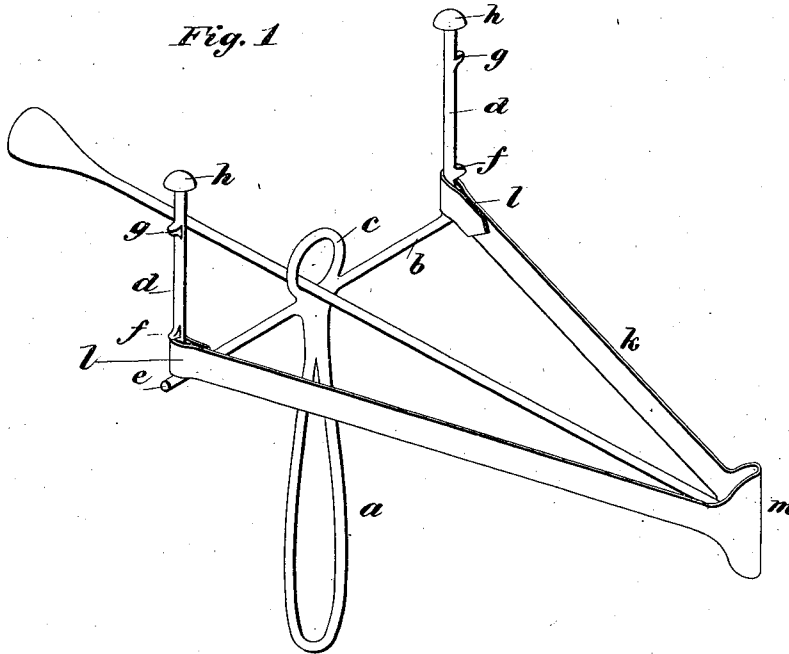
(No Model.)

C. B. TRUMBLE.  
CATAPULT.

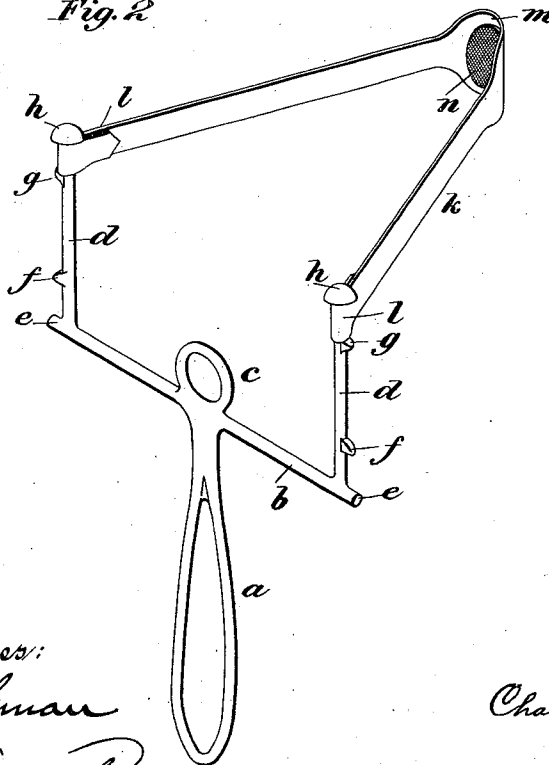
No. 516,852.

Patented Mar. 20, 1894.

*Fig. 1*



*Fig. 2*



Witnesses:

J. F. Coleman  
E. A. Lincoln

Inventor:

Chauncey Burdett Trumble,  
by W. H. Finnerel,  
his Atty.

# UNITED STATES PATENT OFFICE.

CHAUNCEY BURDETT TRUMBLE, OF GROTON, NEW YORK, ASSIGNOR TO  
HIRAM G. MOE AND GEANIE MORRISON TRUMBLE, OF SAME PLACE.

## CATAPULT.

SPECIFICATION forming part of Letters Patent No. 516,852, dated March 20, 1894.

Application filed June 7, 1893. Serial No. 476,868. (No model.)

*To all whom it may concern:*

Be it known that I, CHAUNCEY BURDETT TRUMBLE, a citizen of the United States, residing at Groton, in the county of Tompkins and State of New York, have invented a certain new and useful Improvement in Catapults, of which the following is a full, clear, and exact description.

This invention relates to implements for projecting or forcibly propelling stones, shot, arrows, and such other objects of destruction, their technical name being "catapults" and their popular name "bean shooters."

The object of my invention is to combine in one instrument or implement a bean shooter and a bow or device for shooting arrows.

I am aware that prior to my invention a forked frame has been supplied with a fixed elastic band to constitute a "bean shooter," and that such frame has been accompanied with a removable attachment applicable thereto at pleasure for use in shooting arrows or darts, but I believe that anything in the nature of a loose piece to be attached to such device to adapt it for shooting arrows and to be detached so as to fit it for shooting stones, &c., is for that reason objectionable, and it is objectionable furthermore because of its liability of being lost. Hence, in my invention, I use a forked piece having two points of attachment for the elastic band, the band being movable from one to the other without detaching it from the forked piece, in order to convert the device into an arrow shooter or bow or into a "bean shooter" at pleasure.

The invention consists in a hand piece having a fork, the base of which is supplied with a guide for arrows or darts, and each of the arms or branches being provided with two points of attachment arranged at different altitudes and in pairs or sets for the adjustment of the elastic band or like propelling device, as I will proceed now to set forth and particularly claim.

In the accompanying drawings illustrating my invention in the two figures of which like parts are similarly designated, Figure 1 is a perspective view showing the device arranged as a bow or for shooting arrows, and Fig. 2

is a perspective view looking in the opposite direction showing it arranged for shooting stones, &c.

The hand-piece comprises a handle *a*, the base *b* having the arrow or dart guide-ring *c*, and the upright arms or branches *d*. Each arm *d* is supplied with the pairs of projections *e*, *f*, and *g*, *h*, constituting respectively seats for the elastic band or equivalent propelling device *k*, when the device is used for shooting arrows or darts or for hurling beans, stones, shot and other missiles. This band *k* may be made of rubber provided with loops *l* at its ends to engage the seats on the arms *d*, and these loops may be re-inforced with a textile material. The band may be enlarged laterally at its center *m* where the arrow or other missile is held, and also be patched or re-inforced with cloth or other strong stuff *n* at this point.

When the device is used for shooting arrows or darts the band is arranged on the seats next the base, as in Fig. 1; the arrow is passed through the guide-ring *c* and grasped in the band *k*, as graphically represented in said Fig. 1. The arms *d*, *d*, at such times serve as sights for the marksman.

When the device is to be used for hurling missiles other than arrows or darts, the band is slipped up to the seats farthest from the base, as in Fig. 2, and thus the missile may be shot without liability of interference with the ring-guide *c*. The changing of the band from one position to the other may be readily and quickly effected, and there is no necessity for separating or detaching any part.

The hand-piece may be made of wire by bending it to shape, or it may be cut or stamped from sheet metal, but I prefer to make it as a malleable casting, and in the shape shown or other suitable shape.

What I claim is—

1. A catapult consisting of a hand-piece having a handle, a guide for arrows, darts and the like, arms or branches projecting from such hand-piece and having seats arranged in pairs or sets at different altitudes on said arms or branches, and an elastic band adapted to be moved from one set of seats to the

other to fit the device for use in shooting arrows and other missiles, substantially as described.

2. A catapult consisting of a hand-piece  
5 having a handle, a base supplied with a guide  
for arrows, darts, and the like, arms projecting beyond such base and having seats for a  
propelling medium arranged in the plane of  
the guide, thereby to fit the device to shoot  
10 arrows, and other seats for such propelling

medium arranged beyond and clear of the  
guide to adapt the device to shoot missiles  
other than arrows, substantially as described.

In testimony whereof I have hereunto set  
my hand this 5th day of June, A. D. 1893.

CHAUNCEY BURDETT TRUMBLE.

Witnesses:

HIRAM G. MOE,

MILLARD C. MARSH.