

TOY.

1,013,350.

The image contains five technical drawings of a mechanical device, labeled Fig. 1 through Fig. 5.

- Fig. 1:** A side view of a long, narrow rectangular component. It features a top flange with a circular hole labeled 'E'. A dashed line 'C' runs vertically through the center. A horizontal line 'D' is near the top, and another 'D'' is further down. A small rectangular feature 'B' is located on the right side. The main body is labeled 'A'.
- Fig. 2:** A side view of a similar component, but with a different top profile. It has a circular hole 'E' and a horizontal line 'D' near the top. The main body is labeled 'A'.
- Fig. 3:** A side view of a component with a top flange and a circular hole 'E'. It has a horizontal line 'D' near the top and a small rectangular feature 'B' on the right side. The main body is labeled 'A'.
- Fig. 4:** A side view of a component with a top flange and a circular hole 'E'. It has a horizontal line 'D' near the top and a small rectangular feature 'B' on the right side. The main body is labeled 'A'.
- Fig. 5:** A top-down view of the component. It shows a circular hole 'E' and a horizontal line 'D' near the top. A small rectangular feature 'B' is located on the right side. The main body is labeled 'A'.

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TOY.

1,013,350.

Specification of Letters Patent.

Patented Jan. 2, 1912.

Application filed January 27, 1911. Serial No. 605,021.

To all whom it may concern:

Be it known that I, ANDREW J. WILSON, a citizen of the United States, and resident of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Toys, of which I hereby declare the following to be a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same.

The objects of the invention are to provide a toy catapult for sharply propelling small articles such as peas or shot and of such simplicity of construction that it can readily be used by the youngest child.

The device is provided with a handle portion with an elastic portion and a rigid abutment against which the propelling portion is adapted to strike sharply and thereby provide the reaction necessary to give additional impetus to the missile.

The invention is hereinafter further described, shown in the accompanying drawings and specifically pointed out in the claims.

In the accompanying drawings Figure 1 is a side elevation of the device which shows in dotted lines the position in which the elastic member is pulled back before liberating it to throw the missile; Fig. 2 is a front elevation thereof, and Fig. 3 is a plan view looking from above; Fig. 4 is a side elevation of a modified form showing a separate spring member.

In these views A is a preferably cylindrical rod formed of elastic material such as wood in which the grain is very straight and which is possessed of great strength and elasticity; such wood may be oak, hickory, ash, cypress, spruce or any one of the number of other varieties which are well qualified for use in this manner. This rod forms a rigid handle and is provided with a longitudinal saw kerf B located at one side of the axial center so as to provide an elastic propelling member C which is thus made integral with the handle portion. The handle portion is cut away at the upper end so as to leave a substantial length D of the propelling member projecting beyond it. Centrally upon this projecting end of the propelling member is affixed a shallow cup E

adapted to hold temporarily the ball or other missile to be discharged from the catapult. The extremity F of the handle forms an abutment against which the propelling member strikes.

The propelling member is preferably wider at the bottom than at the outer edge to give it increased strength and durability and to obtain this result the saw kerf can be made slightly inclined to the axis of the rod or the base of the handle can be made broader in the outer end.

The action of the device is very pronounced and may be described as follows: When the outer end of the propelling member is pulled back as shown in dotted lines in Fig. 1, and the ball placed in the cup and the propelling member is released it will spring back to the vertical position and strike sharply against the abutment F of the handle. The reaction occurring from the sudden blow will propel the missile to some distance. The distance of the cup from the top of the handle is preferably that shown but may be varied to vary the amount of reaction obtained upon the missile. The little cup E can be attached to the extremity of the propelling member in any manner desired.

In Fig. 4 is shown a separate spring member C' attached by means of screws G, G, to the handle A. This member may be formed of metal if desired and a pocket E' may be stamped therein in the projecting portion D'.

Having described the invention what I claim as new and desire to secure by Letters Patent is—

1. As an article of manufacture, a toy catapult, comprising, a handle composed of a hard elastic material such as wood, said handle provided with a longitudinal saw kerf near one edge, said saw kerf being diagonal to the side of said handle, the detached portion slanting upward and provided with a narrow extremity extending beyond the body of the handle, and a missile cup centrally secured to said projecting portion.

2. As an article of manufacture, a toy catapult, comprising, a handle portion composed of hard elastic material having a lon-

gitudinal grain such as hard wood, said handle having a saw kerf extending longitudinally and partially therethrough near one edge, and cut diagonally to the said grain of the wood, and the thinnest portion of the detached portion extending above the body of the handle.

In testimony whereof, I hereunto set my hand this 13th day of January, 1911.

ANDREW J. WILSON.

In presence of—

GEO. S. COLE,

WM. M. MONROE.