Nov. 9, 1926.

1,606,609

H. R. WHEELER, JR

TOY GUN

Filed Jan. 28, 1926

Fig. 1.

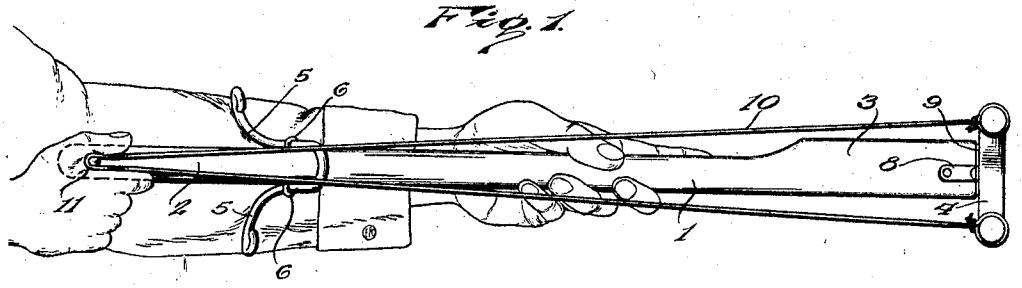


Fig. 2.

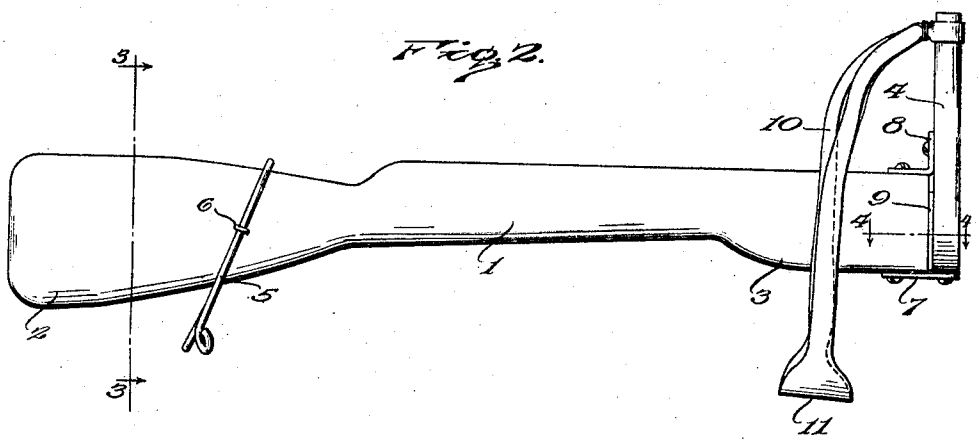


Fig. 3.

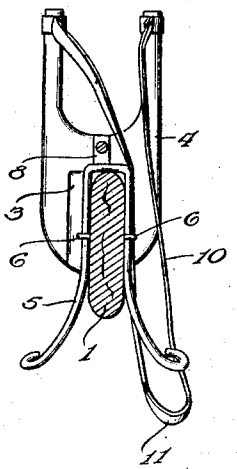
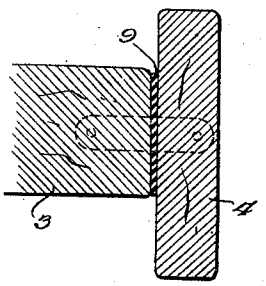


Fig. 4.



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UNITED STATES PATENT OFFICE.

HUGH R. WHEELER, JR., OF COLFAX, WASHINGTON.

TOY GUN.

Application filed January 28, 1926. Serial No. 84,460.

The invention relates to a catapult, or gun embodying a sling-shot, whereby missiles may be thrown with precision, ease and varying velocity according to range, or other contingency.

The invention provides a gun of the character specified which is light, capable of being readily manipulated and which comprises a few number of parts.

While the drawings illustrate a preferred embodiment of the invention it is to be understood that in adapting the means to meet specific needs and requirements, the design may be varied, and such other changes in the minor details of construction may be resorted to within the scope of the invention, as claimed, without departing from the spirit thereof.

For a full understanding of the invention and the merits thereof, reference is to be had to the following description and the drawings hereto attached, in which,—

Figure 1 is a side view of the gun, adjusted for throwing a missile,

Figure 2 is an elevational view of the gun,

Figure 3 is a detail sectional view on the line 3—3 of Figure 2 looking in the direction of the arrows, and,

Figure 4 is a fragmentary sectional view on the line 4—4 of Figure 2, showing the parts on a larger scale.

Corresponding and like parts are referred to in the following description and designated in the several views of the drawings by like reference characters.

The stock 1 is long and slender and resembles a stick, or bar, shaped at one end to form a butt 2 having the general outline of a gun stock, and enlarged at the opposite end to provide a head 3 to which a fork 4 is attached. A brace 5 is applied to the butt 2 and is adapted to engage the fore arm of the operator, as indicated in Figure 1, of the accompanying drawings, so as to steady the gun when operating the same. The brace 5 projects from the lower edge of the butt 2 and the projecting portions flare, as indicated most clearly in Figures 1 and 3, so as to engage the fore arm and prevent vertical movement of the butt when the gun is adjusted for firing a missile, as indicated in Figure 1. In the preferable construction, the brace 5 is constructed of a length of stout wire which is doubled upon itself into a substantially U-form, so that when applied to the butt of the gun, it embraces opposite sides and engages the top edge thereof, as shown most clearly in Figure 3, staples 6 being employed for attaching the side members to the butt 2. The brace inclines slightly and the projecting flared ends have their terminal portions rebent to obviate sharp edges and points which would be liable to catch into the clothing, or cut and injure the hand.

The fork 4 is placed against the end of the head 3 and is secured thereto by means of a strap 7 and an angle iron 8, the connection being such as to admit of the fork 4 having a small pivotal movement. A packing 9 is interposed between the fork 4 and the end of the head 3 and functions as a cushion. The sling 10 is attached to the prongs of the fork 4 and comprises a pocket 11 for receiving the missile to be projected. Within the purview of the invention, the sling may be of any ordinary construction such as employed in a catapult, or sling-shot, but as shown, it consists of a single piece of rubber, or elastic, widened intermediate its ends to form the pocket 11 and having the ends secured to the prongs in any determinate way.

In using the gun, the stock 1 is grasped in the left hand, and the arm is extended, the brace 5 engaging the forearm to steady the gun and insure accuracy of aim. When the gun is in firing position, the arm is extended straight from the shoulder and the stock is disposed along the inner side of the arm with the fork and butt in horizontal position. After the missile has been placed in the pocket 11 of the sling, the latter is drawn rearward to tension the sling, and at the proper moment the sling is released and the missile is projected at a velocity depending upon the degree to which the sling was stretched. With a little practice missiles may be thrown with precision and this is due chiefly to the steadying of the gun by the gripping of the stock and the engagement of the brace 5 with the forearm, the firing being effected while the left arm is extended straight from the shoulder.

Having thus described the invention, I claim:

1. A toy gun comprising a stock, a sling shot applied to the forward end of the stock and a forearm brace applied to the butt of the stock, said brace consisting of a sub-

stantially U-shaped wire embracing and attached to opposite sides of the stock and having its side members extended and flared.

2. A toy gun comprising a stock having its forward end enlarged to provide a head, a fork placed against the head, a strap and an angle iron connecting the fork to the head and admitting of the fork having a limited pivotal movement, a cushion between the fork and head and a sling shot applied to the fork.

3. A gun comprising a stock to be grasped in the hand when the arm is extended, and a brace projecting from the butt portion of the stock to engage the forearm and steady the gun and insure accuracy of aim.

In testimony whereof I affix my signature.

HUGH R. WHEELER, JR. [L. S.]