

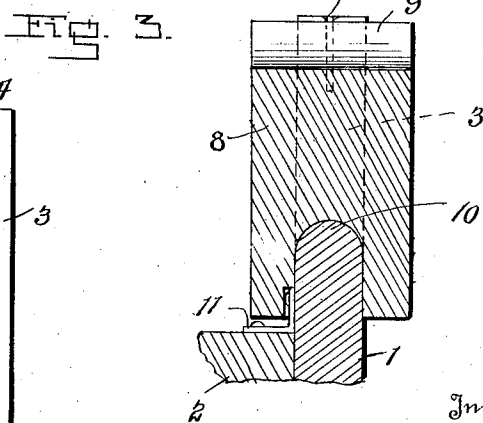
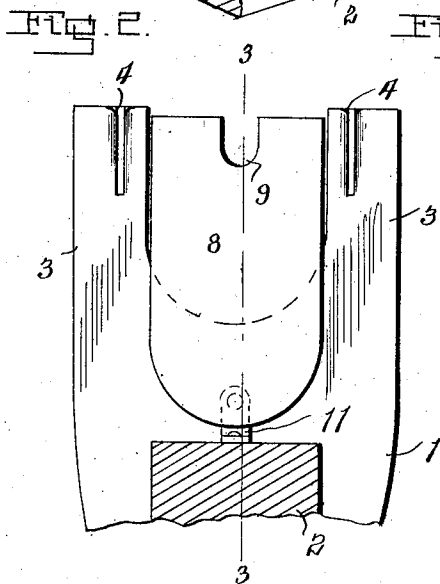
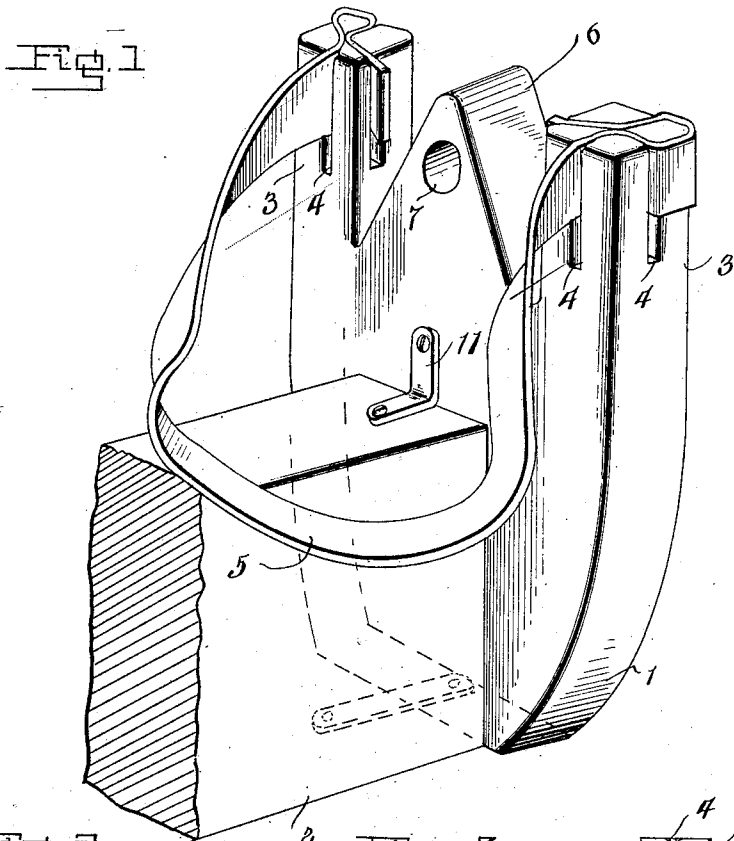
Jan. 15, 1929.

H. R. WHEELER, JR

1,699,416

TOY GUN

Filed Jan. 26, 1927



Inventor

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Application filed January 26, 1927. Serial No. 163,799.

This invention provides a projector for throwing arrows and like slender missiles and which will enable such missiles to be accurately sighted and supported and directed when fired.

The invention contemplates a fork and a rest and guide associated therewith and forming a part of the fork, or detachable therefrom, as desired, the guide being enclosed on all sides or open at the top as preferred.

The invention furthermore provides novel means for the simple and effective connection of the elastic band to the prongs, the same consisting of intersecting kerfs through which the end portions of the elastic band are passed and stretched.

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 perspective view of the fork portion of a sling shot, illustrating one form of the invention.

Figure 2 is an elevational view of a modification, the sling being omitted.

Figure 3 is a detail section on the line 3—3 of Figure 2.

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 numeral 1 designates the forked or crotched head of the sling shot or projector, and 2 the stock or other supporting part to which the head 1 is attached. The prongs 3 are formed with intersecting kerfs 4, which are adapted to receive the end portions of the elastic band 5 forming the sling. The end portions of the elastic band 5 are passed through the intersecting kerfs, substantially in the manner indicated most clearly in Fig-

ure 1, so that portions are disposed within end portions of opposite kerfs. The outer sides of the kerfs flare slightly to facilitate the application of the elastic band thereto. It is further observed that the kerfs are of a width less than the thickness of the elastic band and in consequence, it is necessary to stretch the end portions of the band to admit of their introduction into the kerfs. When the tensile strain is removed from the elastic band the latter contracts and fills the kerfs by a wedging or binding action which prevents casual disengagement of the band from the prongs in the ordinary use of the device.

A projection 6 is located between the prongs 3 and forms a part of the head, as indicated most clearly in Figure 1. This projection 6 is upwardly tapered and has an opening 7 formed through its upper portion, said opening extending in the direction of the length of the stock or support 2. The part 6 constitutes the rest and guide for the arrows, or other slender missile to be projected, said arrow passing through the opening 7 and its rear end being engaged with the sling 5, which, when stretched, and suddenly released throws the arrow in substantially the same manner as the string of a bow.

In the modification shown in Figures 2 and 3, the part 8 is separate from the stock and is adapted to be fitted within the crotch formed between the prongs 3. A groove 9 is formed across the upper end of the part 8 and provides a seat for reception of the arrow, in substantially the same manner as the opening 7 of the part 6. The lower end of the part 8 is channelled, as indicated at 10, to receive that portion of the fork bordering upon the crotch, the fit being such as to retain the part 8 in place. Any suitable means may be employed for connecting the forked head 1 to the support 2, and as shown, irons 11 are employed.

Having thus described the invention, I claim:

1. In a sling shot, a fork having a member detachably fitted in the crotch and between the prongs, and formed with an opening to receive an arrow or like missile.
2. In a sling shot, a fork having kerfs ex-

tending inwardly from the extremities of the prongs and crossing intermediate their ends, and an elastic having an end portion folded and passed through the crossing kerfs of a
5 prong and secured in the kerfs thereof by a wedging action.

3. In a sling shot, a fork having a projec-

tion detachably fitted in the crotch between the prongs, and having a portion channelled to receive the fork, and having an opening 10 in its upper portion for the reception of an arrow or like slender missile.

In testimony whereof I affix my signature.
HUGH R. WHEELER, JR. [L. s.]