

Sept. 22, 1925.

1,554,653

H. H. POOLE

ARROW

Filed Jan. 22, 1925

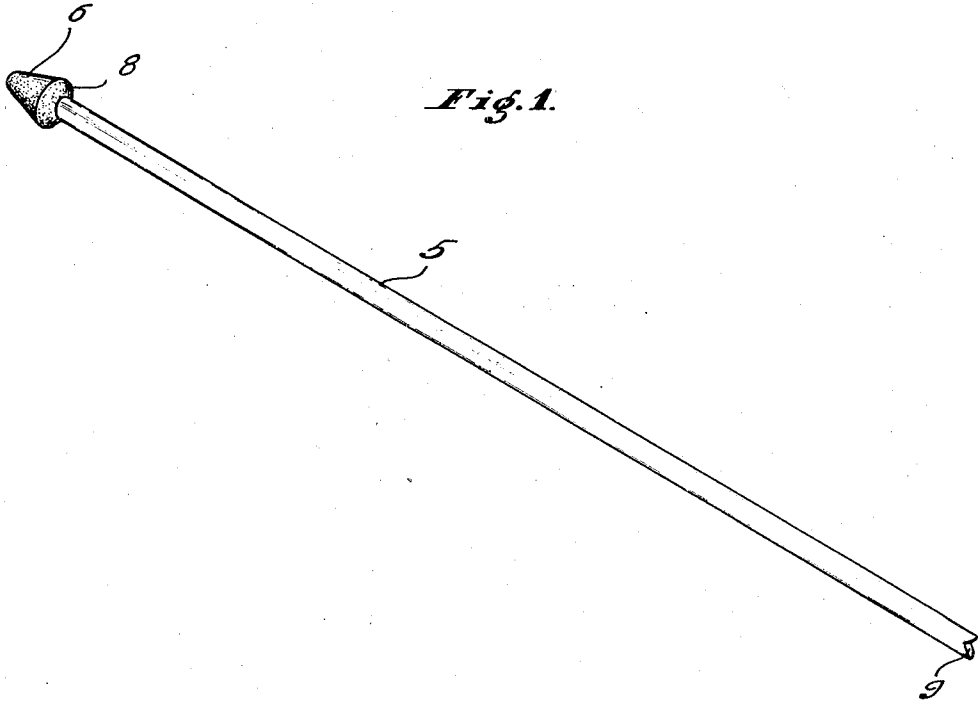


Fig. 2.

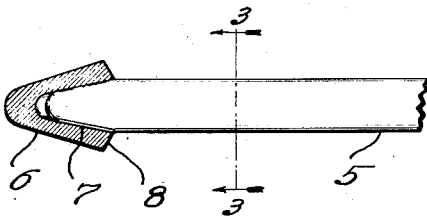
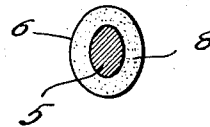


Fig. 3.



INVENTOR.
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UNITED STATES PATENT OFFICE.

HOMER H. POOLE, OF PARSONS, KANSAS.

ARROW.

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To all whom it may concern:

Be it known that I, HOMER H. POOLE, a citizen of the United States, residing at Parsons, in the county of Labette and State of Kansas, have invented certain new and useful Improvements in Arrows, of which the following is a specification.

My invention relates to sport games especially adapted for children, and more specifically to a game requiring the practice of archery; and it is my object to provide for such purpose an arrow of an inexpensive and comparatively durable character, and so constructed and arranged that it may be projected with a bow or air gun in a skilful manner and without danger of serious injury should it accidentally come in contact with a person.

In the accompanying drawing, forming part hereof, Figure 1 is a perspective of an arrow embodying my invention; Fig. 2 a detail longitudinal section of the head of the arrow, and Fig. 3 a transverse sectional view on the dotted line 3—3 in Fig. 2.

In said drawing the shaft, indicated by the numeral 5, is preferably oblong in cross-section so that when projected resistance to the air will be materially reduced. Upon the forward end of the shaft I mount a

cone-shaped rubber head, 6, having a socket therein in which the reduced end, 7, of the shaft is fitted, and is preferably adhesively connected thereto by a suitable substance. The base, 8, of said head 6 inclines rearwardly toward the shaft, which formation has the advantage of obviating the creation of a vacuum behind the head when the arrow is in flight, and which arrangement facilitates its speed. The butt end of the arrow, as indicated in Fig. 1, is provided with a niche, 9, so that it may be fitted onto a bowstring, and said end if desired may be provided with a vane. An arrow so constructed and arranged is extremely light, and the head, being of a resilient character, is also sufficiently heavy to balance the shaft, and the same will rebound after striking an object such as a target.

I claim as my invention:

An arrow comprising a shaft oblong in cross-section and having its forward end pointed, and a cone-shaped head composed of rubber and having a socket therein adapted to fit onto and be secured to said end.

In testimony whereof I affix my signature.

HOMER H. POOLE.