

(No Model.)

J. B. DAVIDS.

PROJECTILE FOR TARGET FIRING IN PARLOR ARCHERY.

No. 532,770.

Patented Jan. 22, 1895.

Fig. 1.

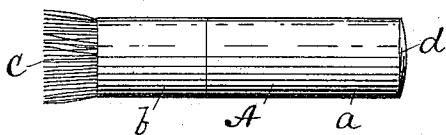
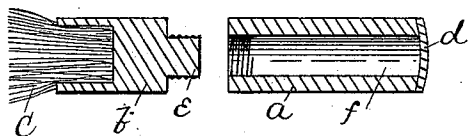


Fig. 2.



Witnesses
Fred A. Mason
S. E. Bain

Inventor
John B. Davids
by J. M. Mason
att'y.

UNITED STATES PATENT OFFICE.

JOHN B. DAVIDS, OF NORTH DARTMOUTH, MASSACHUSETTS, ASSIGNOR TO
E. M. CHISHOLM DAVIDS, OF SAME PLACE.

PROJECTILE FOR TARGET-FIRING IN PARLOR ARCHERY.

SPECIFICATION forming part of Letters Patent No. 532,770, dated January 22, 1895.

Application filed September 20, 1893. Renewed October 22, 1894. Serial No. 626,623. (No model.)

To all whom it may concern:

Be it known that I, JOHN B. DAVIDS, a citizen of the United States, residing at North Dartmouth, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Projectiles to be Used in Firing at a Target in Parlor Archery, of which the following is a specification.

The object of my invention, is to provide a projectile which will not deface or indent the target at which it is fired, but will imprint thereon an easily effaceable mark, to indicate the precision of the shot.

To this end my invention consists in the device illustrated in the accompanying drawings, in which—

Figure 1, represents a side view of my improved projectile; and Fig. 2, represents a view in longitudinal section of the same.

Similar letters refer to similar parts in both views.

A, represents the projectile, made in two parts, *a*, and *b*, and cylindrical in form. The part *a*, has its front end, slightly rounded, and is provided with the longitudinal perforation *f*, through its center. The part *b*, has a chamber in its rear end, in which is secured the feather *c*, composed preferably of jute, hemp, or other suitable material. The front end of the part *b*, is reduced in size and preferably screw threaded as at *e*, to fit in the rear end of the perforation *f*, which is preferably screw threaded for the purpose; or the rear end of the part *a*, may be reduced in size, to fit in the part *b*; or, the several parts may be otherwise fitted together or adjusted to serve the object herein set forth.

d, is a disk of porous or perforated material secured to the rounded front end of the part *a*, and covering the front end of the perforation *f*.

The projectile shown in the drawings is specially adapted to be fired by means of a blow tube, but it will be seen that it can be adapted to be fired from a spring gun, or, by elongating the rear end of the part *b*, it may be adapted to be fired with a bow.

In operation, the part *a*, is unscrewed from the part *b*, and the perforation *f*, filled with powdered chalk, flour, or similar substance, and the parts are then screwed together. Now, when the projectile is fired against a target, the impact causes enough of the chalk or flour, to sift through the textile *d*, to leave a mark to indicate the precision of the shot. The textile *d*, also acts as a cushion, to prevent the projectile from indenting or otherwise defacing the target, or other object against which it may be fired. The marks of the chalk on the target are easily removed by lightly brushing it with a cloth.

Chalk may be applied to the front end of the projectile, the same as to a billiard cue, to indicate the spot where it strikes the target.

Having thus described my invention, what I claim is—

A projectile, having a chamber in its front end and adapted to contain powdered chalk or other analogous substance, and having the front end of said chamber and projectile covered with a porous or perforated material, whereby when said projectile is fired against a target, a trace of said chalk or analogous substance is sifted through said porous or perforated material and left on said target, to indicate the precision of the shot.

JOHN B. DAVIDS.

Witnesses:

JAMES C. HITCH,
HENRY W. MASON.