April 22, 1952 B. PEARSON 2,593,789

SUPPORT FOR ARCHERY EQUIPMENT

Filed March 25, 1946

Fig. 1.

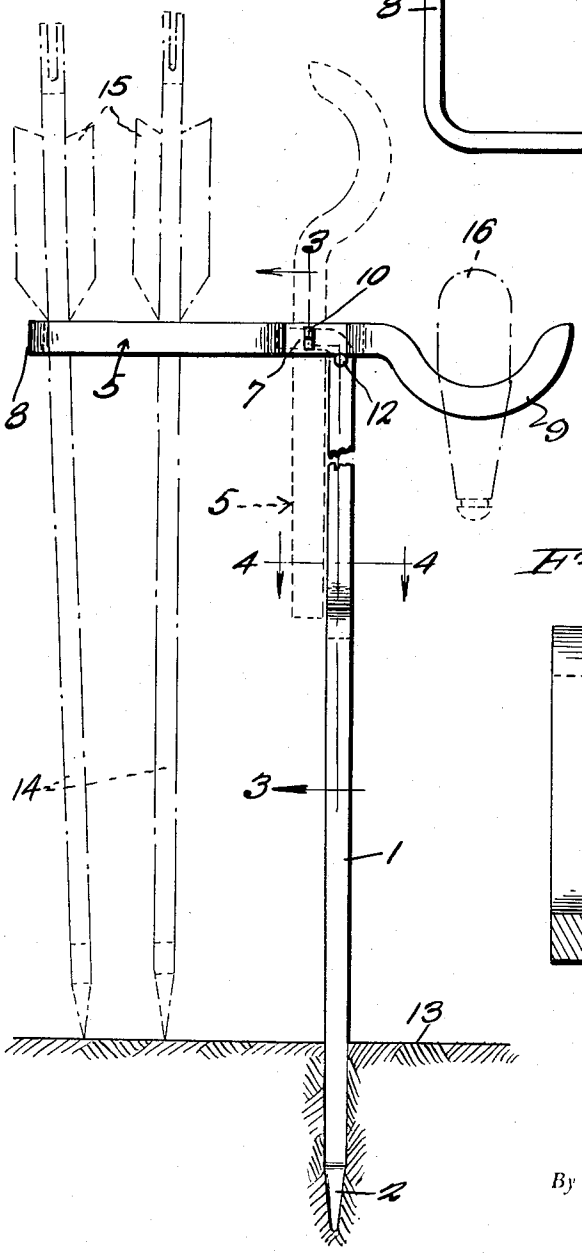


Fig. 2.

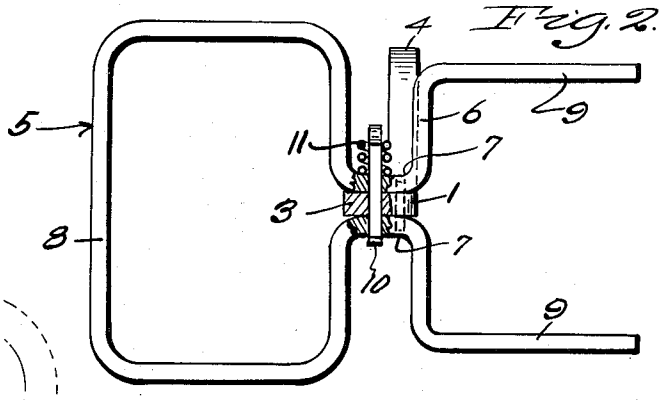


Fig. 3.

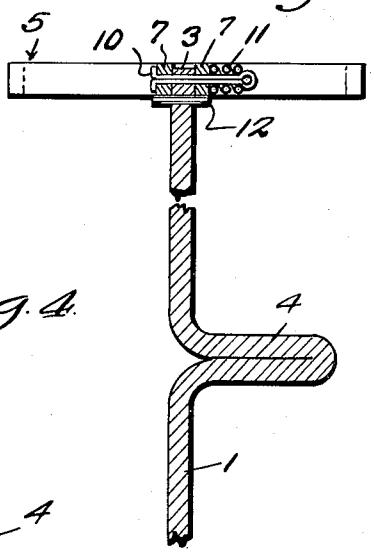
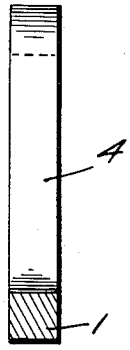


Fig. 4.



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SUPPORT FOR ARCHERY EQUIPMENT

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4 Claims. (Cl. 211—13)

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My invention relates to improvements in supports for archery equipment when used especially, although not necessarily, in target shooting.

In archery target shooting, a series of six arrows are usually shot at the target from a fixed stand or location, after which the archer lays down his bow and retrieves his spent arrows before shooting another series.

The primary object of my invention is to provide a simply constructed, inexpensive device for driving into the ground at the archer's stand or location to support a number of arrows in upright position within easy, quick reach for selection in shooting in series, and which is also adapted to support the bow off the ground while the archer is retrieving his arrows, is foldable and light in weight for easy carrying, yet strong and not liable to get out of order.

Other and subordinate objects, also comprehended by my invention, together with the precise nature of my improvements and the manifold advantages thereof will be readily understood when the succeeding description and claims are read with reference to the drawing accompanying and forming part of this specification.

In said drawings:

Figure 1 is a view in side elevation of my improved support, in a preferred embodiment thereof, and illustrating the manner in which the same is designed to be used;

Figure 2 is a view in plan partly broken away and shown in section;

Figure 3 is a fragmentary view in longitudinal section taken on the irregular line 3—3 of Figure 1;

Figure 4 is a view in transverse section taken on the line 4—4 of Figure 1 and drawn to an enlarged scale.

Reference being had to the drawing by numerals, my improved support, as shown, comprises a staff 1 formed of any suitable metal, preferably, with a bevelled lower end 2 for driving into the ground and having a right-angled upper end 3 forming a short lateral extension of the staff. At a suitable point, intermediate its ends, the staff 1 is bent upon itself to provide a lateral projection 4 for use in forcing the said staff into the ground either by foot or hand pressure.

A combined arrow and bow supporting yoke 5 of elongated form is provided on the upper end of the staff 1 and which is formed, preferably, of a single piece of bar-like, resilient, metal bent upon itself to provide a pair of inwardly extending, co-planar, loops 6 with closed ends 7 spaced apart substantially in correspondence with the

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thickness of the upper end 3 of the staff 1, a substantially closed, rectangular guard 8 at one side of said loops 6, co-planar therewith, and a pair of laterally spaced, cavo-convexed cradle arms 9 at the other side of said loops 6. The loops 6 have the form of U bends which restrict the width of the yoke 5 in substantially its transverse center so that the closed ends 7 of the loops 6 straddle and fit against the upper end 3 of the staff 1 and said yoke 5 is pivoted on said end for swinging movement by means of a cotter pin 10 extending transversely through said ends 7 and the end 3 of the staff 1.

A coil spring 11 is circumposed on the cotter pin 10 between the head thereof and one end 7 to compress said ends 7 against the end 3 of the staff 1 and thereby frictionally lock the yoke 5 in differently swung positions.

A stop pin 12 is extended through the staff 1, transversely, adjacent the end 3 of said staff 1, in laterally off-set relation to the cotter pin 10 so as to engage said yoke 5 on one side of its pivotal axis whereby said yoke may be swung in one direction into substantially horizontal position when the staff 1 is driven into the ground.

As best shown in dotted lines in Figure 1, the yoke 5 may be swung on the cotter pin 10 from horizontal position into a position substantially parallel with the staff 1 to form with said staff a compact unit for convenient carrying.

The manner in which the described invention is used and operated will be readily understood. The staff 1 is driven into the ground 13, preferably by foot pressure on said projection 4 while said staff is held upright by a hand, or both hands, grasping said yoke and the yoke 5 swung into the described horizontal position on the cotter pin 10. In this position of the yoke 5 the guard 8 forms, in part, a quiver forming frame through which arrows, represented at 14 in dotted lines, may be inserted downwardly with the points thereof resting on the ground 13. In this connection, it will be understood, that the staff 1 is driven into the ground a sufficient distance such that the guard 8 lies below the feathers 15 on the arrows 14. The arrows 14 being positioned as described, the guards 8 support the same in upright position for easy quick grasping by an archer to shoot in rapid succession. The cradle arms 9 form a rest for the bow, represented by dotted lines at 16, when the bow is not in use.

The foregoing will, it is believed, suffice to impart a clear understanding of my invention without further explanation.

Manifestly, the invention, as described, is sus-

ceptible of modification without departing from the inventive concept, and right is herein reserved to such modifications as fall within the scope of the appended claims.

What I claim is:

1. A support for bows and arrows comprising a staff for driving into the ground provided with a laterally projecting upper end, a unitary elongated bow and arrow supporting yoke comprising a quiver forming frame at one end thereof, and a pair of laterally spaced cradle arms at the other end thereof forming rests for bows, a pivot pin attaching said yoke intermediate said frame and arms to said end of the staff in straddling relation thereto, said yoke being swingable on said pivot pin to engage said frame with said staff and position said yoke in offset parallel relation to the staff when not in use, said yoke being swingable from parallel relation to the staff into horizontal position for holding arrows in said frame and bows on said arms, and a stop on said staff engageable by said yoke to establish the horizontal position of the yoke.

2. A support according to claim 1 wherein said yoke is provided with opposed, inwardly projecting central loop portions fitting against opposite sides of said end of the staff and through which said pivot extends.

3. An elongated bow and arrow supporting yoke for attachment to a staff adapted to be driven into the ground, said yoke comprising a quiver forming frame at one end of the yoke and a pair of laterally spaced cradle arms at the other end of the yoke forming rests for bows, and a pivot pin extending through said yoke intermediate said frame and arms for swingably attaching said yoke to the upper end of said staff in straddling relation thereto.

4. An elongated bow and arrow supporting yoke for attachment to the upper end of a staff adapted to be driven into the ground, said yoke comprising a pair of opposite inwardly extending side loop portions intermediate the ends of the yoke adapted to straddle and fit against the upper end of said staff, a quiver forming frame at one end of the yoke, a pair of laterally spaced cradle arms at the other end of the yoke forming bow rests, and a pivot pin extending through said loop portions for swingably attaching said yoke to said end of the staff.

BEN PEARSON.

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