Sept. 12, 1961 B. E. HAGGARD 2,999,620

ARROW HOLDING ATTACHMENT

Filed Nov. 27, 1959

FIG. 1.

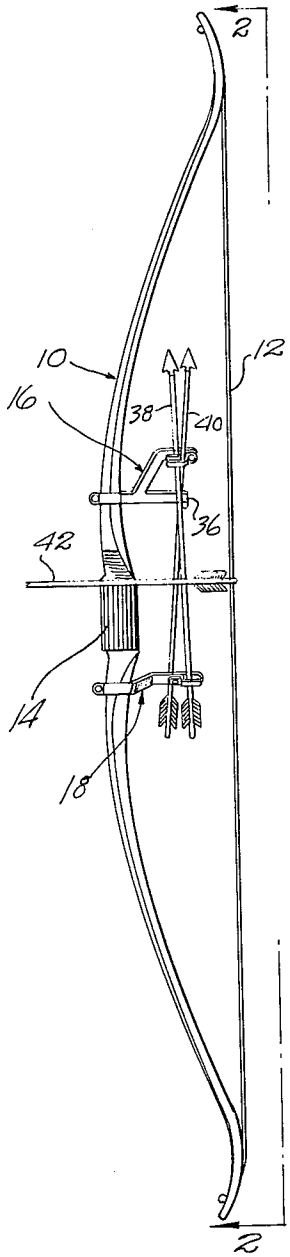


FIG. 2.

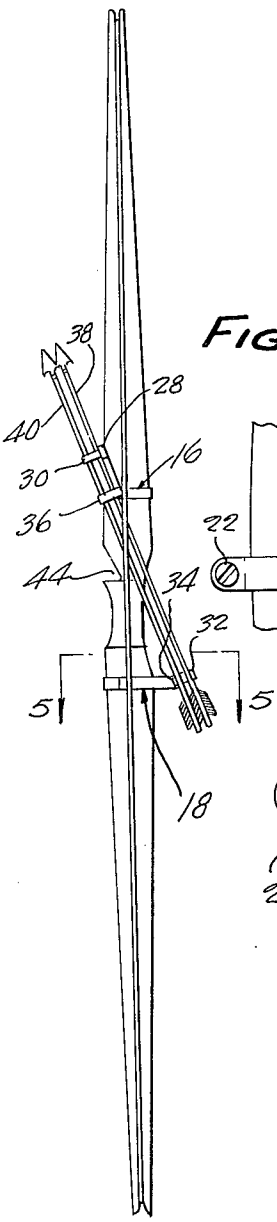


FIG. 3.

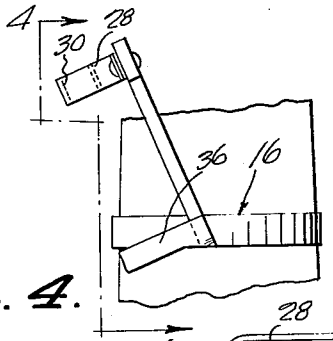


FIG. 4.

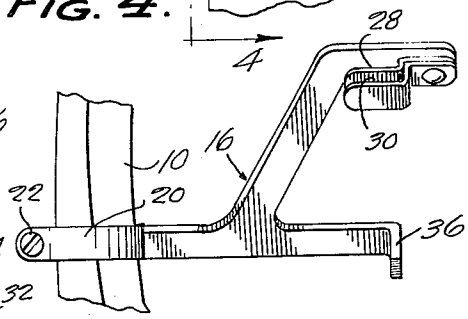
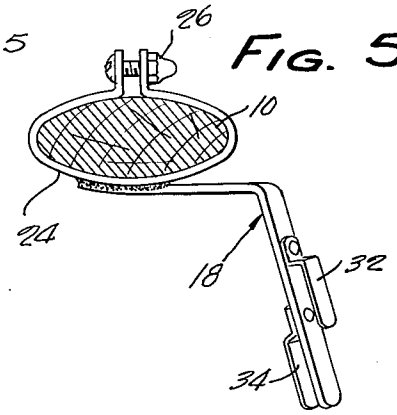


FIG. 5.



INVENTOR.
BERT E. HAGGARD,
BY

McMorrow, Berman & Davidson
ATTORNEYS.

United States Patent Office 2,999,620 Patented Sept. 12, 1961

2,999,620

ARROW HOLDING ATTACHMENT

Bert E. Haggard, Rte. 2, England, Ark.

Filed Nov. 27, 1959, Ser. No. 855,902
3 Claims. (Cl. 224—1)

The present invention relates to an arrow holding attachment for mounting upon an arching bow.

Previously proposed and presently in use are attachments of various kinds for supporting arrows upon a bow so that rapid shooting is permitted of two or more arrows in succession. Not all of the arrow holding means have been successful for many reasons. Principally, the reason for non-acceptance of the means proposed by the archers is that the arrow holding means in most cases is cumbersome, difficult to remove an arrow therefrom, interferes with the line of sight of the archer, and is usually inefficient in operation.

An object of the present invention is to provide an arrow holding attachment for mounting upon an arching bow to hold arrows in a convenient position for rapid shooting of the arrows which is simple in structure, one having means for shifting an arrow toward the operational position upon grasping and pulling of the nock end thereof, and one which is highly effective in action.

Another object of the present invention is to provide an arrow holding attachment which is adaptable for use with any size of arching bow, one which is attached to such a bow with ease and facility, one which is light in weight and fabricated of inexpensive material, and one which is economically feasible.

These and other objects and advantages of the present invention will be fully apparent from the following description when taken in conjunction with the annexed drawing, in which:

FIGURE 1 is a side elevational view of an arching bow with the attachment of the present invention mounted thereon and with two arrows supported in the attachment;

FIGURE 2 is a view of the assembly of FIGURE 1, as viewed on line 2—2 of FIGURE 1;

FIGURE 3 is a fragmentary enlarged view of the upper one of the support members of the attachment of the present invention;

FIGURE 4 is a view on an enlarged scale, taken on the line 4—4 of FIGURE 3; and

FIGURE 5 is a view on an enlarged scale, taken on the line 5—5 of FIGURE 2, with the arrows removed from the lower support member.

Referring in greater detail to the drawing in which like numerals indicate like parts throughout the several views, the reference numeral 10 designates generally an arching bow having a string 12 and a hand grip 14.

The arrow holding attachment for holding arrows in the convenient and ready position about the bow 10 to permit rapid shooting comprises a pair of support members 16 and 18 arranged in more or less parallel relation with the support member 16 on one side of the hand grip 14 and the support member 18 on the other side of the hand grip 14.

As shown in FIGURE 2, the complemental other ends of the support members 16 and 18 are disposed so that one is on one side of the bow 10 and the other is on the other side of the bow 10.

Means is provided on the complemental ends of the support members 16 and 18 for fixedly attaching the support members 16 and 18 to the adjacent portions of the bow 10, such means is shown in FIGURES 4 and 5. A split ring 20 is welded or secured by other means to one end of the support member 16 and is secured to the bow 10 by means of a bolt and nut assembly 22.

Similarly, another split ring 24 is secured by welding or other means to one end of the support member 18

and is clamped on the bow 10 by means of another bolt and nut assembly 26.

A plurality of stalls, each embodying a spring clip 28, 30, is on the end of the support member 16 remote from the clamp ring 20, as shown in FIGURE 4.

Other stalls or clips 32 and 34 are on the end of the support member 18 remote from the ring 24.

The clips 28 and 30 are in substantial alignment with the clips 32 and 34 with the clips 28 and 30 facing toward the ring 20 and with the clips 32 and 34 facing away from the ring 24.

As shown in FIGURE 4, the clips 28 and 30 are directly behind each other with the entrances on the same side of the support member 16. As shown in FIGURE 5, the clips 32 and 34 are in staggered relation with respect to the support member 18 and have their entrances on opposite sides of the support member 18.

An abutment element 36 is positioned between the support members 16 and 18 and is spaced from the support member 16 and carried thereby. The abutment element is in alignment with the support members 16 and 18 and is engageable by the intermediate portion of an arrow when the arrow is supported in the complemental stalls or clips 28 and 32 or 30 and 34 of the support members 16 and 18, respectively.

In FIGURES 1 and 2, a pair of arrows 38 and 40 are shown releasably secured in the clips 28 and 32, 30 and 34, respectively.

In use, arrows 38 and 40 are positioned in the respective clips and another arrow 42 is fitted to the bow string 12 and discharged at a target in the conventional manner. Next, one hand of the user of the bow 10 grasps the nock end of the next arrow 38 and applies a pulling force thereto to shift the one end out of the clip 34 and to flex the arrow 38 about the abutment element 36 as a fulcrum so that the other end of the arrow 38 is pried out of the clip 30 with a snap action which carries the arrow 38 toward the position formerly held by the arrow 42 adjacent the hand grip 14 and in a position in which the nock on the end of the arrow 38 may be readily engaged by the string 12.

After the arrow 38 has been discharged, the same action repeated with respect to the arrow 40 shifts the arrow 40 into a position out of the respective clips and in a position supported in the bow notch 44 (FIGURE 2) ready for engagement by the string 12 and subsequent shooting therefrom.

What is claimed is:

1. An arrow holding attachment for mounting upon an arching bow to hold arrows in a convenient and ready position about the bow to permit rapid shooting comprising a pair of support member adapted to be arranged in parallel relation, one of said members being on one side of the hand grip of an arching bow and the other of said members on the opposite side of said hand grip, means on one of the complemental ends of said support members for fixedly attaching said support members to the adjacent portions of said bow, and a plurality of stalls on the other of the complemental ends of said support members, the stalls of said support members being in substantial alignment, the stalls on one of said support members being directly behind each other with their entrances on the same side of the support and the stalls on the other of said support members being behind each other with their entrances on opposite sides of the support.

2. An arrow holding attachment for mounting upon an arching bow to hold arrows in a convenient and ready position about the bow to permit rapid shooting comprising a pair of support members adapted to be arranged in parallel relation, one of said members being on one side of the hand grip of an arching bow and the other of said members on the opposite side of said hand grip,

means on one of the complemental ends of said support members for fixedly attaching said support members to the adjacent portions of said bow, and a plurality of stalls each embodying a spring clip on the other of the complemental ends of said support members, the clips of said support members being in substantial alignment, the clips on one of said support members facing toward said attaching means and being directly behind each other with their entrances on the same side of the support and the clips on the other of said support members facing away from said attaching means and being behind each other with their entrances on opposite sides of their support.

3. An arrow holding attachment for mounting upon an arching bow to hold arrows in a convenient and ready position about the bow to permit rapid shooting comprising a pair of support members adapted to be arranged in parallel relation, one of said members being on one side of the hand grip of an arching bow and the other of said members on the opposite side of said hand grip, means on one of the complemental ends of said support members for fixedly attaching said support members to the adjacent portions of said bow, a plurality of stalls on the other of the complemental ends of said support members, the stalls of said support members being in substantial alignment, the stalls on one of said support members being directly behind each other with their entrances on

the same side of the support and facing in one direction and the stalls on the other of said support members being behind each other with their entrances on opposite sides of the support and facing in the opposite direction, and an abutment element positioned between said support members and spaced from said one of said support members and carried thereby, said abutment element being engageable by the intermediate portion of an arrow when said arrow is supported in complemental stalls of said one and other support members, said abutment element, when an arrow is supported in complemental stalls of said one and other support members and a manually applied pulling force is applied to the portion of said arrow adjacent said other support member for removing said arrow from the stall of said other support member, serving as a fulcrum about which said arrow may be flexed for prying said arrow out of the stall of said one support member and guiding said arrow toward said bow.

References Cited in the file of this patent

UNITED STATES PATENTS

1,061,431	West	May 13, 1913
2,519,612	Tuttle	Aug. 22, 1950
2,575,126	Ramsey	Nov. 13, 1951
2,802,611	Jenkins et al.	Aug. 13, 1957
2,855,107	Roth	Oct. 7, 1958