Oct. 18, 1960 H. W. MAULE 2,956,603

HUNTING QUIVER

Filed March 28, 1958

FIG. 1.

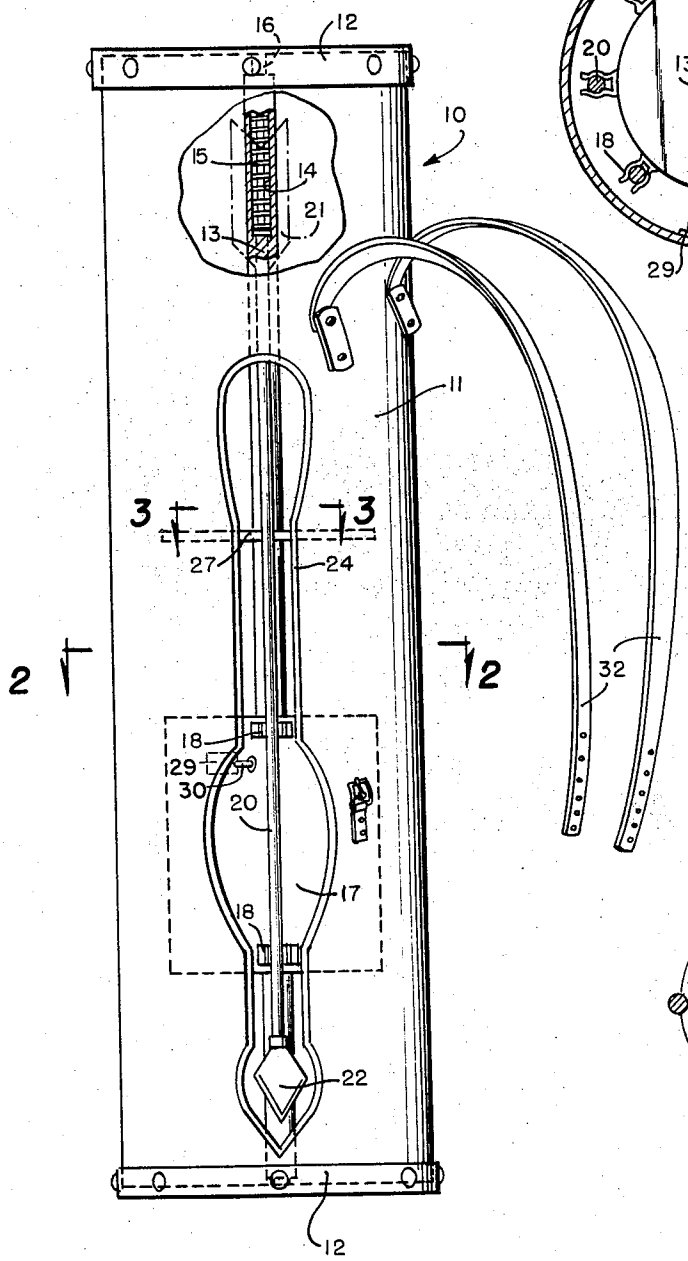


FIG. 2.

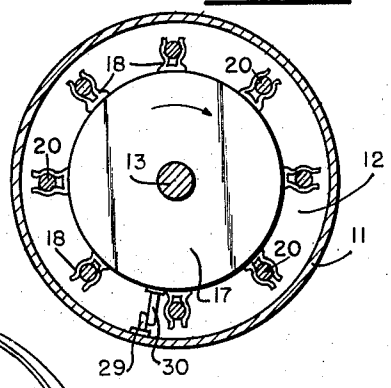
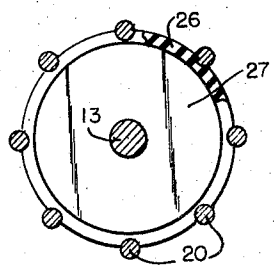


FIG. 3.



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HUNTING QUIVER

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3 Claims. (Cl. 150—1.5)

This invention relates to hunting equipment and more particularly to equipment for archers.

It is an object of the present invention to provide a hunting quiver for supporting a plurality of arrows within a substantially completely closed housing readily accessible at all times for use, which housing prevents damage to the arrows during movement through underbrush, and the like.

Another object of the present invention is to provide a hunting quiver of the above type in which the arrows are automatically delivered to a central access opening in the side of the quiver so as to be easily and quickly withdrawn by the archer with a minimum amount of effort and producing a minimum amount of noise.

Other objects of the invention are to provide a hunting quiver bearing the above objects in mind which is of simple construction, has a minimum number of parts, is inexpensive to manufacture and efficient in operation.

For other objects and for a better understanding of the invention, reference may be had to the following detailed description taken in conjunction with the accompanying drawing, in which:

Figure 1 is a side elevation view, with parts broken away, of a quiver made in accordance with the present invention;

Figure 2 is a transverse cross sectional view taken along line 2—2 of Figure 1; and

Figure 3 is a fragmentary transverse cross sectional view taken along line 3—3 of Figure 1.

Referring now more in detail to the drawing, a hunting quiver 10 made in accordance with the present invention is shown to include a hollow cylindrical housing 11 having a closure 12 at each end. A rod 13 is concentrically supported within the housing for rotational movement about the longitudinal axis thereof. The upper end of the rod is provided with a recess 14, within which a torsion spring 15 is supported, one end of the spring being secured to the rod 13 and the opposite end thereof being secured to a stationary stop 16 in the top of the housing. This spring normally effects rotation of the rod 13 in a clockwise direction as viewed from the top of the housing, for purposes hereinafter described.

A cylindrical drum 17 is secured to the lower portion of the rod 13 and has a plurality of circumferentially spaced apart pairs of spring clips 18 for releasably supporting arrows 20 within the housing parallel to the longitudinal axis thereof. It will be noted that the fletching 21 and broadhead 22 of each arrow is immediately adjacent to the end closures 12, whereby the quiver is as short as possible. The side wall of the housing is provided with an elongated access opening 24 that is in registry with each arrow carried upon the drum as the drum is rotated by the torsion spring 15. A stationary stop member 29 carried by the housing 11 immediately adjacent to the access opening 24 extends into the path of movement of the arrows 20 and prevents continued

rotation of the drum as soon as an arrow comes into abutment therewith. However, as soon as the arrow is removed from the quiver, the drum is again free to rotate until the next successive arrow comes into abutment with the stop 29. A circular plate 27 secured to the central portion of the rod 13 provides a pivot point about which the arrow can be rotated in order to dislodge it from both of the clips 18 in each pair. This plate is provided with a peripheral resilient band 26 for preventing any unnecessary noise during use.

After all of the arrows 20 have been removed from their respective clips on the drum 17, a stationary stop 30 secured to the drum will abut with the stationary stop 29 carried by the housing 11 so as to prevent continued rotation of the drum that would completely unwind the torsion spring 15. Thus, in order to reload the quiver, it is only necessary to sequentially replace the arrows in the spring clips, rotating the drum one step as each arrow is inserted, until it has been filled and is prevented from rotating by the arrow disposed within the access opening 24.

A pair of straps 32 are also secured to the exterior side of the housing 11 so that the quiver can be supported in a comfortable position with the access opening 24 in the most accessible position. It will be recognized that since the arrows are completely enclosed, they are protected at all times from the elements and from damaging brush that might otherwise tear the fletchings of the arrows or dull the points of the broadheads.

What I claim as new and desire to protect by Letters Patent of the United States is:

1. A hunting quiver comprising a hollow cylindrical housing having a closure at each end thereof, and a vertically-extending access opening in the sides thereof, a central rod extending upwardly through the center of said housing, a torsion spring secured between said rod and said housing to resist the rotation of said rod in one direction, a cylindrical drum secured to said rod and concentric therewith, said drum lying within the access opening, pairs of vertically spaced spring clips on the periphery of said drum adapted to receive and support an arrow, said pairs of clips being circumferentially spaced about the drum, a stationary stop member extending inwardly from the housing adjacent to the access opening and into the path of movement of the arrows and prevents continued return rotation of the drum as the arrow comes into abutment therewith, upon removal of an arrow the spring causes the next arrow to abut the stop member.

2. A hunting quiver as defined in claim 1, and a stop member attached to the outer periphery of the drum and engageable with the stop member on the housing to prevent the continued rotation of the drum and the unwinding of the torsion spring when all of the arrows have been removed.

3. A hunting quiver as defined in claim 1, and a circular plate secured to the rod above the drum and providing a pivot point about which the arrow can be rotated in dislodging the same from the clips.

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