Oct. 16, 1962 H. L. EMMETT 3,058,505

ARCHERY BOW CARRYING BAG

Filed Nov. 20, 1958

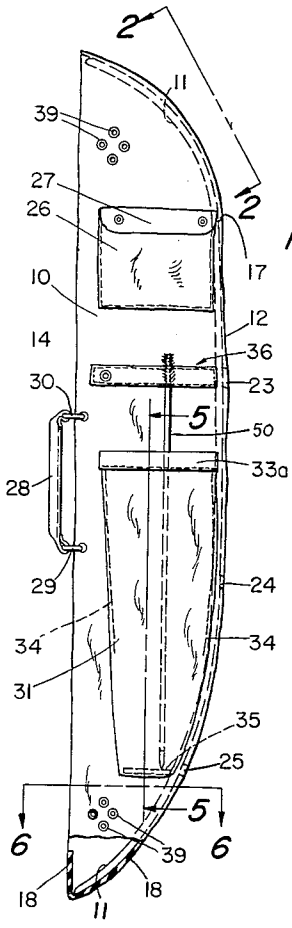


Fig. 1

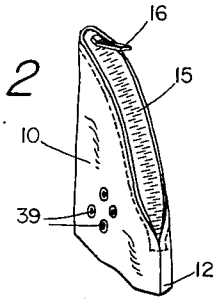


Fig. 2

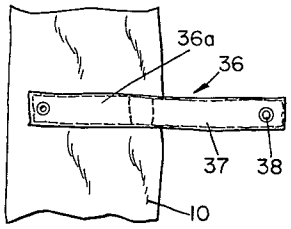


Fig. 4

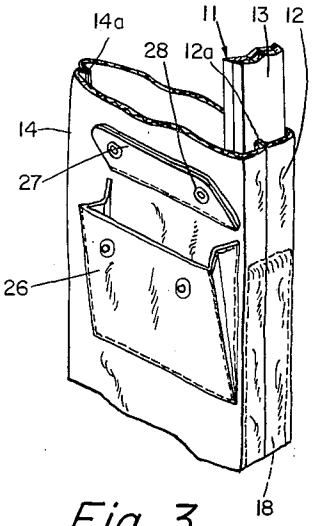


Fig. 3

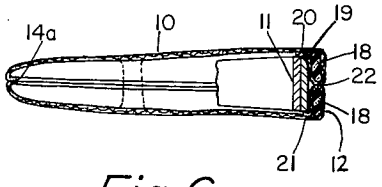


Fig. 6

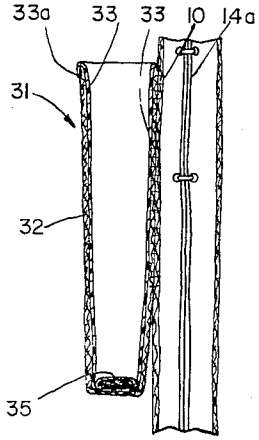


Fig. 5

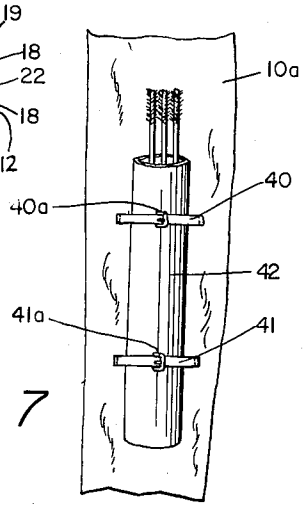


Fig. 7

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3,058,505

Patented Oct. 16, 1962

3,058,505

ARCHERY BOW CARRYING BAG

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Filed Nov. 20, 1958, Ser. No. 775,206
1 Claim. (Cl. 150—1.5)

This invention is directed to a carrying bag for archery bows.

In recent years there has been a very substantial increase in the popularity of archery, both for shooting at bull's eye targets and for hunting animals. While it has been common practice to provide a quiver for holding the arrows, and various different devices suitable for this purpose have been proposed, until now there has not been provided a suitable carrying bag for the bow itself. This lack has constituted a serious inconvenience to archers because there has been no convenient way to carry the bow itself to the site of the hunt or target shoot. If the bow is put in the luggage compartment of an automobile along with other loose articles, it is quite likely to become damaged.

The present invention is directed to a novel carrying bag for archery bows which satisfies this need. In accordance with the present invention, there is provided a carrying bag which is adapted to completely enclose the bow and which is shaped to conform snugly to the bow, so as to retain the bow securely when the latter is not in use. According to this invention, the carrying bag preferably has cushioning material positioned to overlie the convex outer face of the bow when the latter is in the carrying bag. This cushioning material effectively shields the bow from damage, such as might occur if the bow is put in the luggage compartment of an automobile along with other loose articles before driving to the site of the hunt. Also, preferably in accordance with the present invention, the carrying bag is made of flexible material which enables the bag to be folded up and stored in a small space when not in use. The carrying bag for the bow may have an integral outside pocket for carrying arrows or it may receive a separate quiver of the type already in use. In either case, the bow and the arrows are all carried by the same carrying bag and, with everything in one place, it is much more convenient for the user to ready his equipment for the hunt or target shoot. Also, preferably the present carrying bag has an outside pocket for carrying the wrist strap used by archers.

It is an object of this invention to provide a novel carrying bag for archery bows.

It is also an object of this invention to provide a novel archery bow-carrying bag which is convenient to carry and which enables the insertion or removal of the bow quickly and conveniently.

Another object of this invention is to provide a novel carrying bag for archery bows which effectively shields the bow from damage while in the carrying bag.

Another object of this invention is to provide a novel carrying bag which is adapted to carry an archery bow, arrows and any auxiliary equipment used by the archer, such as wrist straps.

Another object of the invention is to provide a novel carrying bag for archery bows which is adapted to be folded up into a compact size when not in use.

Further objects and advantages of this invention will be apparent from the following description of two presently preferred embodiments thereof, which are illustrated in the accompanying drawing.

In the drawing:

FIGURE 1 is a plan view of a first embodiment of the present carrying bag;

FIGURE 2 is a fragmentary perspective view taken along the line 2—2 in FIGURE 1 and showing the end of the carrying bag where the bow is inserted and removed;

FIGURE 3 is an enlarged fragmentary perspective view taken just below the aforementioned end of the carrying bag and showing the pocket on the bag for receiving a wrist strap or other small items;

FIGURE 4 is a fragmentary plan view showing the portion of the bag where the arrow strap is located, this strap being shown unbuckled in FIGURE 4;

FIGURE 5 is a cross section taken along the line 5—5 in FIGURE 1 through the arrow-receiving pocket on the outside of the carrying bag;

FIGURE 6 is an enlarged section taken along the line 6—6 in FIGURE 1 and showing the closed end of the carrying bag; and

FIGURE 7 is a fragmentary plan view showing an alternative embodiment in which the arrows are carried by a separate quiver strapped to the bow-carrying bag proper.

Referring first to FIGURE 1, the present carrying bag is in the form of an elongated container **10** of flexible material which is shaped to conform snugly to the shape of the usual archery bow, indicated at **11** in FIGURE 1. The bag **10** has an approximately convex edge **12** which snugly overlies the convex front face **13** (FIGURE 3) of the bow **11**. This edge **12** of the carrying bag is approximately straight at the middle of the bag and has a pronounced curvature at each end, as does the bow itself. The opposite edge **14** of the bag is substantially straight and extends from one end of the generally convex edge **12** to the opposite end thereof.

In the illustrated embodiment, the main portion of the bag is of two piece canvas construction with the meeting edges of the pieces turned in and stitched together, as indicated at **12***a* and **14***a* in FIGURE 3. As shown in FIGURE 2, the carrying bag is provided with an elongated opening **15** at its upper end which is closed by a suitable adjustable closure, such as a slide fastener **16**. This opening is sufficiently large that the bow **11** can readily be inserted endwise through this opening into the interior of the bag and removed from the bag through this opening.

Beginning at a point **17** (FIGURE 1) a short distance below the lower end of the opening **15**, the generally convex front edge **12** of the bag is provided with an inner layer **18** of suitable cushioning material, such as foam rubber. As shown in FIGURE 6, this cushioning layer is secured fixedly in place in the bag by means of a fabric strip **19** which is stitched to the main portion of the bag at each of its ends **20** and **21** and at its middle **22**. This cushioning layer **18** extends down the front edge **12** of the carrying bag to the latter's closed end and then extends a short distance up the opposite edge **14** of the bag, as best seen in FIGURE 1. Breaks are provided in the cushioning layer **18** at spaced points **23**, **24**, and **25** along the front edge of the bag so that the bag may be folded easily at these locations. The function of this cushioning layer **18** is to protect the convex front edge of the bow **13** from damage while the bow is in the bag.

Toward its upper end, the carrying bag carries an outer pocket **26** (FIGURES 1 and 3) for carrying the usual wrist strap, as well as other small articles which might be used by the archer, such as a sight. This pocket **26** is provided with a flap **27** which is adapted to close the open upper end of the pocket by means of suitable snap fasteners **28**. In the illustrated embodiment, both the pocket **26** and the end flap **27** are of the same material as the bag proper and are secured integrally to the bag by stitching. The flap **27** is located just above

the upper end of the cushioning material **18** at the convex edge **12** of the bag proper.

Midway along its length the bag is provided with a handle **28**, which is connected to the bag proper by means of spaced rings **29** and **30**, which extend through the bag proper adjacent the latter's back edge **14**. The handle **28** may be of suitable plastic material having a foam rubber filler. However, if desired, any other suitable flexible or rigid handle structure may be provided.

Beginning about midway along the bag proper, the bag carries an integral elongated arrow pocket **31** which is open at its upper end and closed at its lower end. This arrow pocket is formed by an outer fabric layer **32** of the same material as the bag proper and an inner liner **33**, which may be of suitable flexible plastic material.

As shown in FIGURE 5, this plastic inner liner **33** continues down across the front of the fabric layer **32** at the open end of the arrow pocket to provide a decorative and protective facing **33***a* thereat.

The back portion of the arrow pocket **31** is stitched at its opposite edges to the carrying bag proper, beginning at the upper end of the arrow pocket and running down about two thirds of the way along its length, as indicated by the dotted lines **34** in FIGURE 1. The lower end of the arrow pocket is disconnected from the carrying bag proper. This facilitates its expansion to the substantially cylindrical shape indicated in FIGURE 5 when the removable bottom insert **35** is inserted down into the arrow pocket. This bottom insert preferably is of fabric-covered foam rubber and constitutes a protective cushioning member for the lower end of the arrow pocket **31**, for engagement by the arrow head on each arrow **50** when the arrows are inserted into the pocket. The bottom end of the arrow pocket **31** is located substantially in line with the break **25** in the cushioning material **18** at the convex edge **12** of the bag proper.

A short distance above the upper end of the arrow pocket **31** there is provided a strap **36**, which may be of suitable flexible plastic material. This strap has its back leg **36***a* stitched to the bag proper. The free leg **37** of the strap is adapted to extend across the front of the back leg **36***a* and to be fastened thereto by means of a suitable snap fastener **38**. The strap **36** is located on the bag a distance above the bottom end of the arrow pocket **31** substantially equal to the length of the arrows, so that the strap extends across the usual feathers on the back ends of the arrows. Thus, the strap serves not only to snugly retain the arrows in place, but also to shield the arrow feathers from damage. Since the arrows themselves come in three different standard lengths, the carrying bag of the present invention will have the retaining strap **36** positioned at one of the three different locations which correspond to the particular standard arrow sizes. Preferably, the location of strap **36** on the bag proper is substantially in line with the break **23** in the cushioning material **18** at the convex edge **12** of the bag.

The carrying bag proper is provided with suitable ventilation holes **39** at either end.

When the carrying bag is not in use, the bottom insert **35** for the arrow pocket may be removed and stored flat in the upper pocket **26**. Then the arrow pocket **31** itself may be folded flat against the carrying bag proper.

When the bow has been removed from the carrying bag, and the arrows also, the carrying bag may be folded up along transverse lines at the breaks **23**, **24** and **25** in the cushioning material **18** and just above the pocket flap **27** in FIGURE 1. This reduces the carrying bag to a compact shape and size which renders it convenient for storage.

In the alternative embodiment shown in FIGURE 7, the arrow-receiving pocket **31** is omitted and the carrying bag proper **10***a* is provided with a pair of spaced straps **40** and **41** which are stitched to the carrying bag proper and which are provided with buckles **40***a* and **41***a* or other suitable fastening means. These straps are adapted to be clamped across a separate arrow quiver **42** to detachably retain the latter in place securely on the bow-carrying bag. In other respects, the carrying bag of FIGURE 7 preferably is substantially identical to that of FIGURES 1–6.

From the foregoing, it will be apparent that the illustrated embodiments of this invention each constitute a carrying bag which is convenient and effective to use, providing a cushioning shield to protect the bow and having provision for carrying the arrows, as well as the wrist strap and such other auxiliary devices as may be required, on the bag proper, so that all of the shooting equipment is in one place, ready for use. When not in use, the carrying bag can be folded up into a compact shape and size for convenient storage.

While there have been described in detail herein and illustrated in the accompanying drawing certain preferred embodiments of this invention, it is to be understood that various modifications, omissions and refinements which depart from the disclosed embodiments may be adopted without departing from the spirit and scope of this invention.

Having thus described my invention, I claim:

An archery bow carrying bag of flexible material which is shaped and dimensioned to snugly receive an archery bow, said carrying bag having an elongated convex edge which is shaped and dimensioned to conform substantially to the convex front face of the bow, said carrying bag being provided with cushioning material at the inside of said convex edge positioned to overlie said convex front face of the bow when the latter is received in the bag, said cushioning material having breaks therein at spaced locations along said convex edge of the bag to facilitate folding the bag at said locations, said carrying bag having an opposite edge which extends from one end of said convex edge to the opposite end of said convex edge, said carrying bag having an opening at said convex edge at one end which leads into the interior of the bag and which is shaped and dimensioned to pass the bow when the latter is inserted into or removed from the bag, and closure means for said opening.

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