United States Patent

Gentellalli

[15] **3,696,978**

[45] **Oct. 10, 1972**

[54] **ADJUSTABLE QUIVER**

[72] Inventor: **Gerald F. Gentellalli,** 8817 La Mesa Boulevard, La Mesa, Calif. 92041

[22] Filed: **May 11, 1970**

[21] Appl. No.: **36,074**

[52] **U.S. Cl.** .....**224/1 B**

[51] **Int. Cl.**.....**F41b 5/06**

[58] **Field of Search**.....224/25 R, 25 A, 1 B, 2 D

[56] **References Cited**

UNITED STATES PATENTS

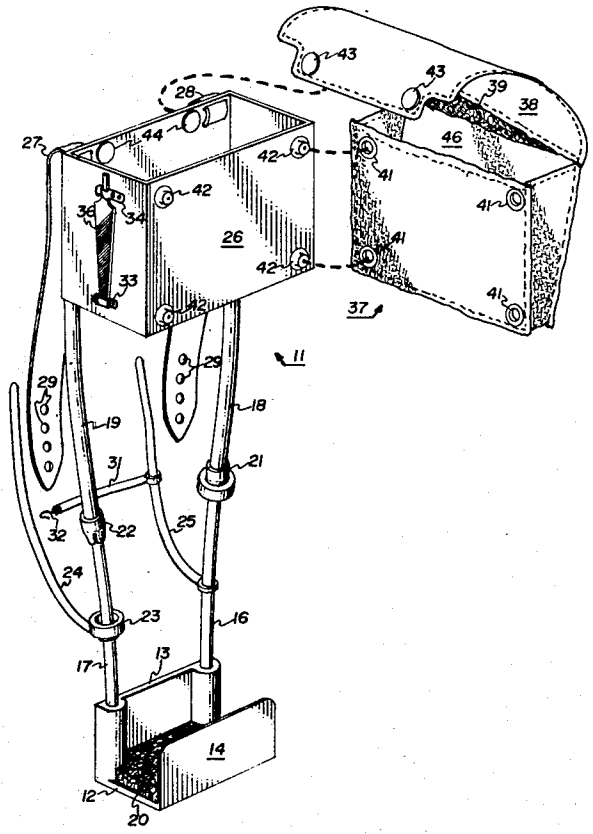
2,722,958	11/1955	King et al.	224/1 B
2,771,620	11/1956	Hoffman	224/1 B
2,691,399	10/1954	Tompkins	224/1 B

Primary Examiner—Gerald M. Forlenza
Assistant Examiner—Lawrence J. Oresky
Attorney—Richard K. MacNeill

[57] **ABSTRACT**

An adjustable quiver for carrying arrows having a bottom platform adapted for receiving the arrow points and a framework adjustable in length coupled to a rectangular cylinder above the bottom portion, the arrows being loaded through the rectangular cylinder, and a flexible cover having one end attached to one wall of the guide cylinder and another end attached to an opposite wall of the guide cylinder for covering the top of the guide cylinder and compressing arrows therein between the bottom surface of the cover and the bottom platform; the cover having a pouch therein for carrying various archery accessories or supplies, and a pair of carrying brackets for carrying a sharpening file therein.

1 Claim, 3 Drawing Figures



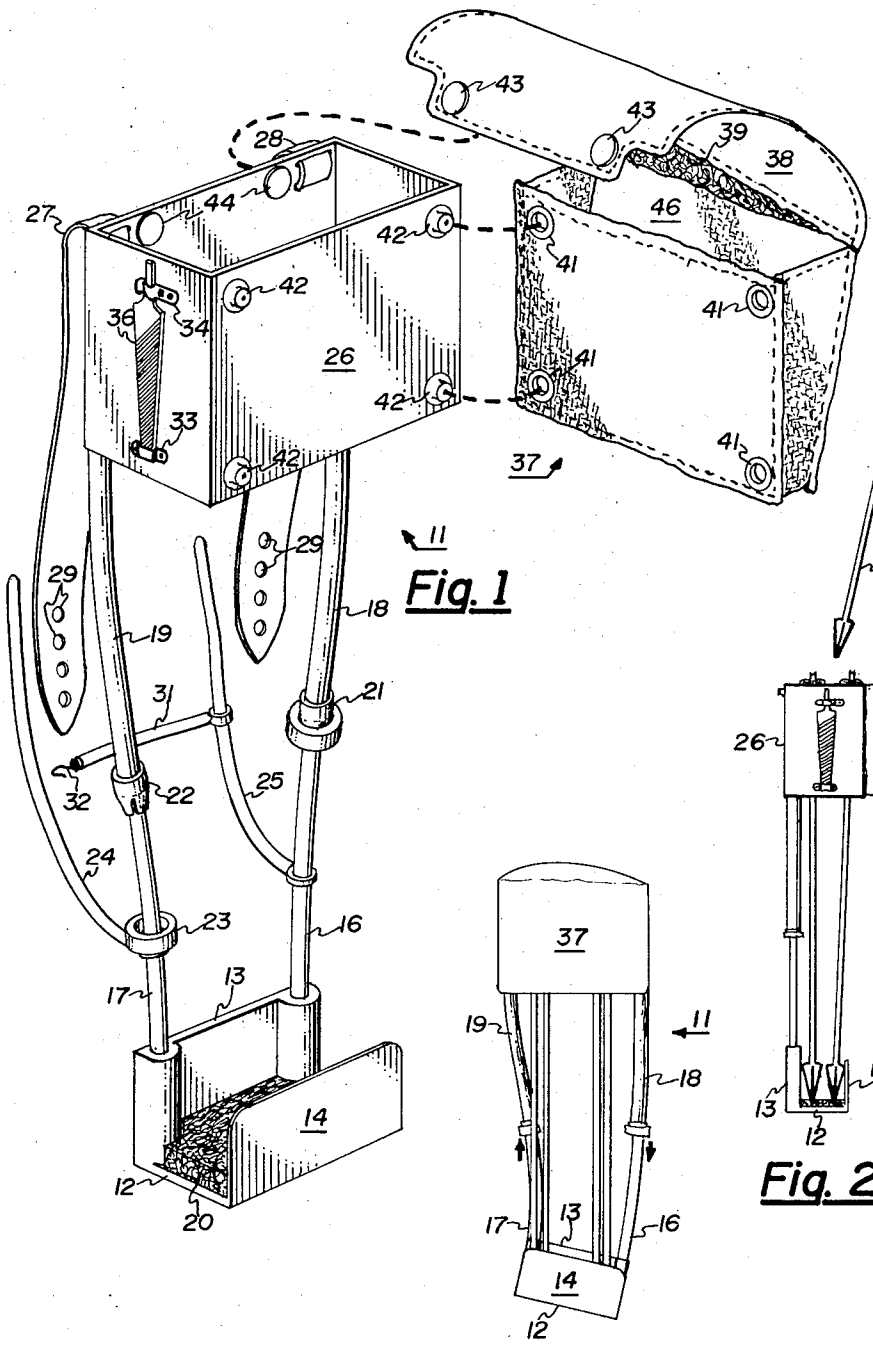


Fig. 1

Fig. 2

Fig. 3

INVENTOR.
GERALD F. GENTELLALLI
BY
Richard K. Macneill

ADJUSTABLE QUIVER

BRIEF DESCRIPTION OF THE INVENTION

The present invention relates to an adjustable quiver and more particularly to an adjustable quiver which is top-loaded.

According to the invention, an adjustable quiver is provided having a bottom platform which is lined with a resilient material such as sponge rubber or plastic for receiving the points of arrows thereon. A framework, adjustable in length, extends above the lower platform and fixedly attaches to a rectangular cylindrical guide section through which the arrows are placed down to the lower platform section. A cover is removably attached to one side of the guide cylinder having a provision for being pulled over the top of the guide cylinder and removably attached thereto on the opposite side of the guide cylinder. The cover is constructed of a flexible material such as plastic or leather, and has a resilient layer on its under side for holding the arrows in place. An important feature of the invention lies in the adjustability of the frame extending between the lower platform and the guide cylinder in that one side can be shortened with respect to the other side which lends not only versatility in carrying slightly different length arrows, but can be utilized for heavily compressing the arrows on one side of the quiver and leaving the arrows on the other side with a light compression allowing their easy removal when in use. The quiver also has shoulder straps attached between the adjustable framework and the top cylindrical section for mounting to a user's back.

An object of the present invention is the provision of an improved adjustable quiver.

Another object of the present invention is the provision of an adjustable quiver having a top-loading feature.

Still another object of the present invention is the provision of an adjustable quiver having a flexible cover for holding arrows therein.

A still further object of the present invention is the provision of an adjustable quiver having a pouch therein for carrying supplies.

Yet another object of the present invention is the provision of an adjustable quiver which is inexpensive to manufacture and assemble, and extremely convenient and safe in use.

Other objects and many of the attendant advantages of this invention will be readily appreciated as the same becomes better understood by reference to the following detailed description when considered in connection with the accompanying drawings in which like reference numerals designate like parts throughout the figures thereof and wherein:

FIG. 1 is a perspective view of the preferred embodiment of the invention;

FIG. 2 is a side view of the present invention shown during an arrow-loading process; and

FIG. 3 is a side elevation view of the present invention emphasizing the adjustable feature inherent therein.

Referring to the FIG. 1, the adjustable quiver of the present invention is shown generally at **11** having a bottom platform **12** with vertical extensions **13** and **14**. Vertical extension **13** carries telescoping rods **16** and **17** which are received by rods **18** and **19**, respectively.

Vertical extension **14** forms a protective shield requiring the removal of arrows from the side which provides a safety feature. Rods **16** and **18** are locked by a fitting shown generally at **21**, and rods **17** and **19** are shown in an unlocked position having a tapered fitting **22** fixedly attached to rod **19** and a lock ring **23** dimensioned for a snug reception over fitting **22**. Straps **24** and **25** are slidably carried by rods **16** and **17**.

Rods **18** and **19** are fixedly attached to rectangular guide cylinder **26** by any convenient means, such as riveting, as are straps **27** and **28** which terminate in the vicinity of straps **24** and **25** and are adapted through holes **29** to be adjustably attached thereto. Flexible member **31** has a hook **32** on one end for coupling to strap **24** and slidably coupled on the other end to strap **25**. Brackets **33** and **34** carry sharpening file **36**.

A cover portion, generally shown at **37**, has a top portion **38** with a resilient coating **39** thereon and four mounting fittings **41** adapted for cooperation with fittings **42** on guide cylinder **26**. Fittings **43** are adapted for cooperation with fittings **44** on another wall of cylinder **26**. Top portion **37** has a pouch **46** therein.

Referring to FIG. 2, the adjustable quiver is again shown generally at **11** having a bottom platform **12** with vertical extensions **13** and **14**. An arrow **15** is shown being passed through guide cylinder **26** with cover **38** being in the open position exposing the top portion of cylinder **26** and pouch **46**.

Referring to FIG. 3, the adjustable quiver is again shown generally at **11** having a bottom platform **12** with vertical extensions **13** and **14**. In this view, telescoping rod **17** is shown received by rod **19** and telescoping rod **16** is shown received by rod **18** and held in place by their respective fittings. Rod **17** has been received further than rod **16** which results in a heavier compression of the arrows toward rods **17** and **19** than the arrows toward rods **16** and **18**.

OPERATION

Referring now to all the FIGS., it can be seen that the arrows are first placed through the top of guide cylinder **16** with their points resting on resilient layer **20** of lower platform **12**. At this time, the top portion **37** is snapped into place via fittings **41** and **42** and cover **38** is pulled over the top of guide cylinder **26** with resilient layer **39** compressing the arrows against bottom layer **20**. Fittings **43** and **44** then hold the arrows in a relatively rigid position between layers **20** and **39**. Prior to the installation of top portion **37**, pouch portion **46** can be utilized to carry various supplies. Should it be desirable, rods **17** and **19** can be tightened (in this case FIG. 3) compressing the arrows in their proximity slightly more than the arrows from the unloading side (the side closest to rods **16** and **18**).

A sharpening file **36** is shown conveniently carried by brackets **33** and **34** for sharpening arrow points in the field. Strap **31** can be utilized for restraining binoculars and is preferably made of a stretchable material such as elastic or rubber. Hook **32** conveniently stretches strap **31** between back straps **24** and **26** after back straps **24** and **26** are in place through holes **29** in back straps **27** and **28**.

It should be understood, of course, that the foregoing disclosure relates to only a preferred embodiment of the invention and that it is intended to cover all

changes and modifications of the example of the invention herein chosen for the purposes of the disclosure which do not constitute departures from the spirit and scope of the invention.

The invention claimed is:

1. An adjustable quiver for carrying arrows comprising:

a rectangular cylindrical guide section;

a platform section;

an adjustable frame, said frame being adjustable in length;

said cylindrical guide section being fixedly attached to a top portion of said adjustable frame and said platform section being fixedly attached to a bottom portion of said frame; and

a resilient cover attached to said cylindrical section for covering said cylindrical section after arrows have been loaded through said cylindrical section to said platform, said resilient cover being pliable and being attached on one section of said cylindrical section and folding over the top of said cylindrical section and being removably attached to an opposite section thereof, said cover having a resilient layer on its underside for holding the arrows in place and being removable from the top opening to permit loading of the arrows into the quiver through the top of the guide section.

* * * * *