

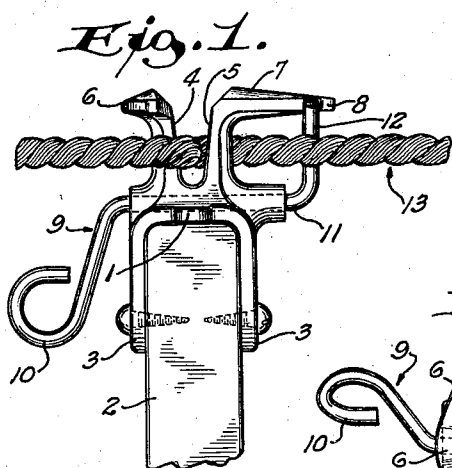
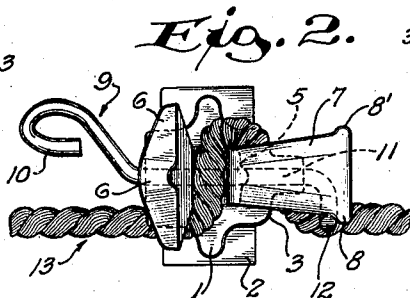
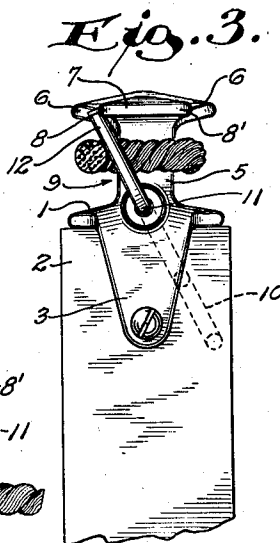
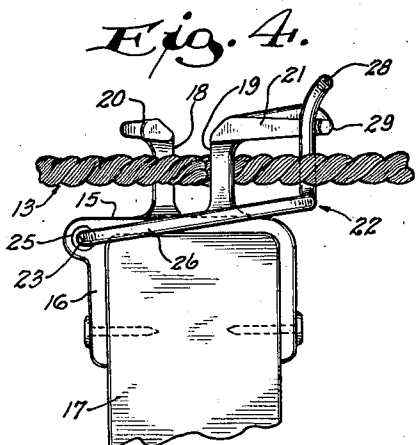
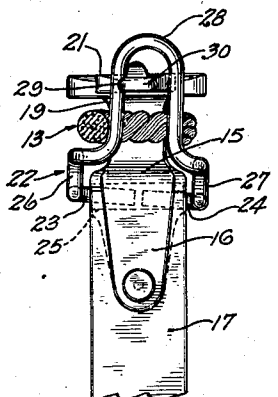
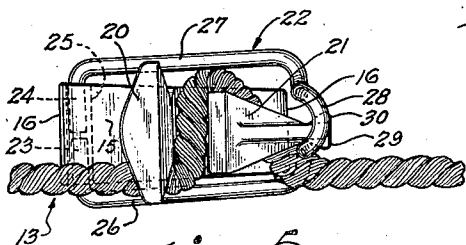
Oct. 5, 1948.

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2,450,815

LINE ANCHOR

Filed Jan. 20, 1947



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2,450,815

LINE ANCHOR

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Application January 20, 1947, Serial No. 723,179

5 Claims. (Cl. 24-132)

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This invention relates to line anchors.

Various devices have heretofore been provided for anchoring lines to supporting structures such as poles, props and piers. To my knowledge, none have been adapted for universal use, but have been designed for special purposes. For example, anchors for attaching props to clotheslines have not been serviceable for attaching lines to fixed supports such as poles.

Furthermore, anchors heretofore available are complicated and difficult to manipulate or require special skill in attaching lines thereto.

An object of this invention is to provide an anchor which may be used for anchoring lines to any fixed object or to a movable one and to which a line may be attached by the same method of manipulation.

A further object is to provide an anchor which simplifies the attaching manipulations, is comparatively inexpensive to manufacture, and may be installed by the user with the simplest of tools and without requiring special instructions other than mere demonstration or illustration.

In the accompanying drawings:

Fig. 1 illustrates one modification of my invention in side elevation as applied to a prop shown in part only.

Fig. 2 is a top plan view of the anchor shown in Fig. 1.

Fig. 3 is a view in side elevation of the anchor illustrated in Fig. 1 as viewed from the right relative thereto.

Fig. 4 is a view similar to Fig. 1 showing another modification.

Fig. 5 is a top plan view of the device shown in Fig. 4.

Fig. 6 is a side view of the Fig. 4 modification as viewed from the right relative thereto.

The anchor shown in Figs. 1, 2 and 3 comprises a base portion 1 seated on the upper end of the prop 2, a pair of spaced anchoring arms 3 attached to and embracing the upper end of the prop, a pair of spaced upwardly extending lugs 4 and 5, the lug 4 having a horizontal flange 6 that extends laterally on opposite sides of the lug 4 and forwardly toward the left relative to Figs. 1 and 2 and the lug 5 terminating in a horizontal portion 7 having opposed ears 8 and 8'; and a latch, designated generally by the numeral 9. The latch is made of a single piece of wire bent to provide a manipulating handle 10, a pivot portion 11 extending horizontally through and rotatable in the base 1, and a latching finger 12 which engages the horizontal portion 7 on the lug 6 immediately adjacent the ear 8.

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As illustrated in Figs. 1 and 2, the line 13 extends past the lug 4 beneath the flange 6; then between the lugs 4 and 5 at 14 and curves back about the lug 5 beneath the horizontal portion 7 and engages the latching finger 12 to hold it in contact with the extension 7 as illustrated.

Viewing Fig. 3 it will be observed, that the latch 9 is positioned with the finger 12 extending upwardly to the left and the handle extending downwardly to the right relative to a vertical plane passing through the axis of the pivot portion 11. If desired the latch may be rotated in a counterclockwise direction relative to Fig. 3, until the latching finger 12 contacts the right side of the extension or horizontal portion 7 immediately to the rear of ear 8'.

When the latch is in the latter position, the line 13 may be secured to the anchor by passing it between the lugs 4 and 5 in the direction opposite to that shown in Fig. 2.

Although I have not illustrated the manner of attaching the anchor to a clothesline, it will seem obvious that it is merely necessary to first position the anchor so that the line extends directly through the space between the lugs 4 and 5, and then rotating the anchor in a counterclockwise direction relative to Fig. 2 to wrap the line about the lugs until the latch finger 12 drops back to the position illustrated, thus preventing the anchor from rotating in the opposite direction and releasing the line.

Release of the line is accomplished by rotating the anchor counterclockwise relative to Fig. 2 sufficient to permit the latch finger 12 to be moved downwardly below the line, thus permitting the line to straighten by rotation of the anchor in a clockwise direction.

The modification shown in Figs. 4, 5 and 6 is similar to that previously described, except as noted in the drawings and hereinafter described. This anchor comprises a base 15 having anchoring arms 16 secured to and embracing the upper end of the prop 17, and a pair of upstanding relatively spaced lugs 18 and 19, respectively having horizontal extensions 20 and 21. In this modification, the latch 22 comprises a wire bent as shown to provide at its ends horizontal pivot portions 23 and 24 extending toward each other and into the transverse bearing aperture 25 in the base 15, arms 26 and 27, and an upwardly extending inverted U-shaped latching section 28 extending over the horizontal extension 21 on the lug 19.

Comparison of the two modifications will show that in the Fig. 1 design, the latching finger 12 moves out of the way automatically as the line is

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being wrapped around the lugs 4 and 5 and then automatically moves back to latching position, whereas in the Fig. 2 design the latch 22 must be manually moved downwardly to permit the line 13 to be positioned as shown. After the line has been wrapped about the lug 19, the latch is then manually moved back to the position illustrated where it is held against the horizontal extension 21 and prevented from slipping therefrom by the adjacent ear 29 on the extension 21.

Obviously, when the line is passed in the opposite direction to that shown between the lugs 18 and 19, the latching section 28 will be moved by the line 13 to contact the opposite side of the extension 21 immediately adjacent the ear 30.

From the foregoing it will be apparent to those skilled in the art that various modifications of my invention may be designed embodying assembly of line engaging lugs and latch and the mode of operation. Broadly my invention embraces a pair of spaced lugs about which a line is wrapped in opposite directions and held in such relation by a latch which engages at least one of the lugs and opposes unwrapping until manually released.

It will further be apparent that the anchor herein disclosed serves to take up slack in the line when attached thereto and may be utilized only as a line tightener if desired, this result being accomplished by reason of the reverse curvature of the line effected at the place of attachment of the anchor.

Therefore, it will be understood that within the limits prescribed by the prior art, the claims, except where specifically limited in terms are intended to embrace my invention generically.

I claim:

1. A line anchoring attachment comprising a base adapted for mounting on a support, a pair of relatively spaced lugs each having an extension substantially normal thereto, and a bight forming lever pivotally carried by said base for movement to a position transversely relative to and contacting the extension on one of said lugs.

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2. A line anchoring attachment comprising a base adapted for mounting on a support, a pair of relatively spaced lugs each having an extension normal thereto and directed away from the extension of the other of said lugs, and a bight forming lever pivoted on said base for movement laterally relative to one of said extensions and engageable therewith when a line is wound reversely between and about said lugs.

3. A line anchoring attachment comprising a base adapted for mounting on a support, a pair of relatively spaced lugs each having an extension normal thereto and directed away from the extension on the other of said lugs, and a bight forming lever pivoted on said base, said lever comprising a wire bent to form a pair of horizontal portions having their ends disposed in a bearing aperture common to them, said portions being connected by an inverted U-shaped portion extending over one of said extensions on said lugs.

4. In combination with a support, a pair of spaced lugs mounted thereon and each having an extension directed laterally relative thereto and opposite to that of the other of said lugs, and a latching lever pivotally connected with said lugs for movement laterally relative to one of said extensions and including a manipulating handle which by gravity normally maintains said latching lever in contact with said one of said extensions.

5. In combination with a support, a pair of spaced lugs mounted thereon and each having an extension directed laterally relative thereto and opposite to that of the other of said lugs, and a latching lever pivotally connected with said lugs for movement to a position transversely relative to and contacting one of said extensions.

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No references cited.