G. W. SHEPHERD.

ADJUSTABLE BIGHT HOLDING ATTACHMENT FOR CORDS.

APPLICATION FILED JAN. 2, 1920.

1,356,316. Patented Oct. 19, 1920.

Fig. 1.

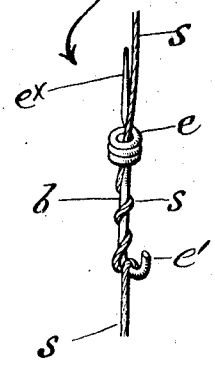


Fig. 2.

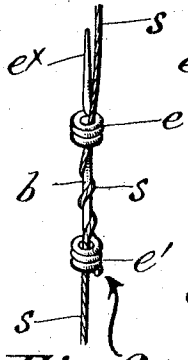


Fig. 3.

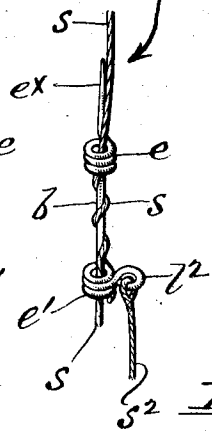


Fig. 4.

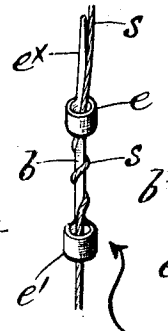


Fig. 6.

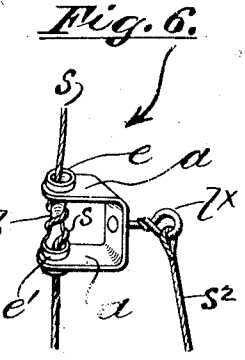


Fig. 5.

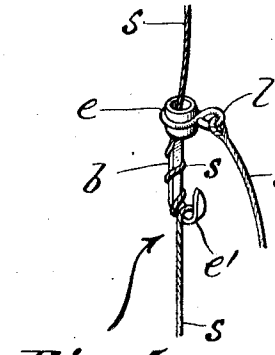


Fig. 7.

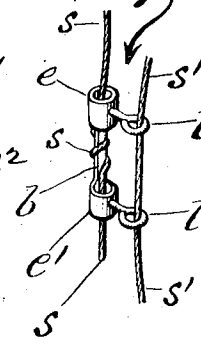


Fig. 8.

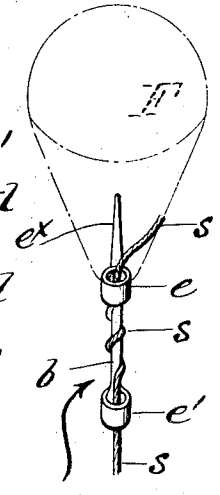
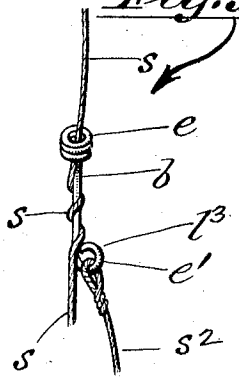


Fig. 9.



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ADJUSTABLE BIGHT-HOLDING ATTACHMENT FOR CORDS.

1,356,316. Specification of Letters Patent. Patented Oct. 19, 1920.

Application filed January 2, 1920. Serial No. 348,977.

To all whom it may concern:

Be it known that I, GEORGE W. SHEPHERD, a citizen of the United States, and a resident of Tuckerton, county of Ocean, and State of New Jersey, have invented certain new and useful Adjustable Bight-Holding Attachments for Cords, &c., of which the following is a specification.

My invention is designed to afford effective means for attaching various articles to cords, ropes, and the like, without the formation of knots in the suspender, and in such manner that the attachment can be quickly and conveniently adjusted lengthwise of the suspender in either direction, as hereinafter fully set forth.

The invention consists primarily and essentially of a bight holder formed with a medial belay portion or spine terminating at each extremity in a hook, eye or equivalent lateral extension whereby bights of the suspender formed on and around said medial belaying spine may be held against unwinding, thereby retaining the bight holder at this position on the suspender, while admitting of the longitudinal adjustment of the bight holder in either direction on the suspender when the bights of the suspender formed on and around said medial belaying spine is slack,—the bight holder itself constituting the basic coupling means between the suspender and the article to be supported thereon, substantially as illustrated by the accompanying drawings, in which:

Figure 1, is a perspective view of a simple form of my adjustable bight holder formed of wire with an eye at one end and a hook at the other, and with a prong for insertion in an article to be supported on the suspender;

Fig. 2, is a similar view in which the belay-spine is formed with an eye at each extremity;

Fig. 3, is a view like unto Fig. 2, except that the lower eye is formed with a loop for the attachment of a cord connection with an article to be supported by the main suspender;

Fig. 4, is a perspective view of a form of bight holder similar to that shown in Fig. 2, except that in this case the holder is of rigid structure;

Fig. 5, is a view showing a modification of Fig. 4, in which the eye on one end is connected with a rotatable loop, and the other end is of hook form;

Fig. 6, is a view showing a modification in which bracket arms rotatably connected with end eyes of the device support a swivel loop for the attachment of a supplementary suspender;

Fig. 7, is a view showing a modification in which both end eyes are provided with guide loops for the control of an auxiliary suspender or cord;

Fig. 8, is a view similar to Fig. 4, showing a float impaled on the prong of the bight holder;

Fig. 9, is a view of a modification in which the holder is formed with a hook adapted to retain the main suspender against unwind, and also to act as a means of attachment for an auxiliary suspender.

My adjustable bight holder is preferably made of metal although other material may be substituted without departing from the spirit and intent of my invention in this respect.

It consists essentially of what may be designated as a belay-spine *b*, around which one or more bights of a flexible cord or suspender *s*, may be wound, said belay-spine being formed with lateral extensions *e*, *e'*, at its extremities through or around which the suspender *s*, may be passed, and which afford means whereby the bights of said suspender on the belay-spine *b*, may be held from unwinding so as to maintain the holder in a desired position on the suspender, whereas when the bights are loosened up and rendered slack, the holder may be adjusted longitudinally in either direction along said suspender *s*.

The belay spine *b*, and the lateral extensions *e*, *e'*, both upper and lower, are made in one piece or are integrally united. When made of wire, as in Figs. 1, 2, 3 and 9, the metal is simply bent into the requisite shape; otherwise the said parts of the holder may be fashioned of any suitable material, and in any desired manner.

An upper extension e^x, of the holder may be made in the form of a prong, as in Figs. 1, 2, 3, 4 and 8, for the impalement of a float F, as illustrated in Fig. 8, or as a like means of support for any other article which it is desired to sustain adjustably upon the suspender *s*.

When one or both of the lateral extensions

e, e', are of solid cylindrical shape, as in Figs. 4, 5 and 6, they may form the means for the attachment of guide loops l, l, as in Fig. 7, for the control of a supplementary suspender s', for any purpose desired; of a swivel loop l', as in Fig. 5, for the attachment of an auxiliary suspender s^2, such for instance as a snell for a fish hook, or the like; or of bracket arms a, a, for the support of a swivel l^x, as in Fig. 6. In Fig. 3, the lower wire extension e', is shown as formed with a loop l^2, constituting a part of the medial twist of said lateral extension e', and also affording means for the attachment of a snell, or any other required auxiliary suspender s^2, as may be found desirable. Or, as in Fig. 9, the lower extension e', may itself be in the form of a loop l^3, like unto those shown in Figs. 3 and 5, and for like purposes, as may be found most expedient.

While adapted to various purposes, my device is especially useful on fishing lines, etc., where the adjustment of drop is desirable to conform to depth of location, or conditions of bottom surface. In fact my bight holding attachment affords convenient means whereby almost any object may be adjustably supported on a cord, rope or flexible suspender, and is adapted to the varying requirements and exigencies of use. Furthermore, the need of knotting or splicing is obviated entirely; and adjustment may be effected quickly and conveniently, by the simple expedient of slacking the bights of the suspender formed on and around the said medial belay-spine temporarily.

The use of the swivel loops on the lateral extensions of the belaying spine tends to prevent the tangling of an auxiliary suspender with the main suspender on which the device is mounted.

What I claim as my invention and desire to secure by Letters Patent is,

1. An adjustable bight-holding attachment for a flexible suspender such as designated, comprising a medial straight portion formed at each extremity with a lateral extension, and either extension being a closed loop, and adapted to hold turn or turns of the bight of the suspender on the belaying spine from unwinding, and for connecting said bight-holder to an article to be supported thereon.

2. An adjustable bight-holding attachment for a flexible suspender such as designated, comprising a medial belaying straight spine portion formed at each extremity with a lateral extension adapted to hold turn or turns of the bight of the suspender on the belaying spine from unwinding, and a swivel loop on said bight-holder for connecting it with an article to be supported thereby.

3. An adjustable bight-holding attachment for a flexible suspender such as designated, comprising a medial belaying straight spine portion formed at each extremity with a closed loop extension adapted to hold turn or turns of the bight of the suspender on the belaying spine from unwinding, and means for supportably connecting an article with said bight-holding attachment.

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Witnesses:
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DOROTHY MIATT.