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ADJUSTABLE SLACK HOLDER FOR CORDS, &c.

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1,386,918. Patented Aug. 9, 1921.

Fig. 1.

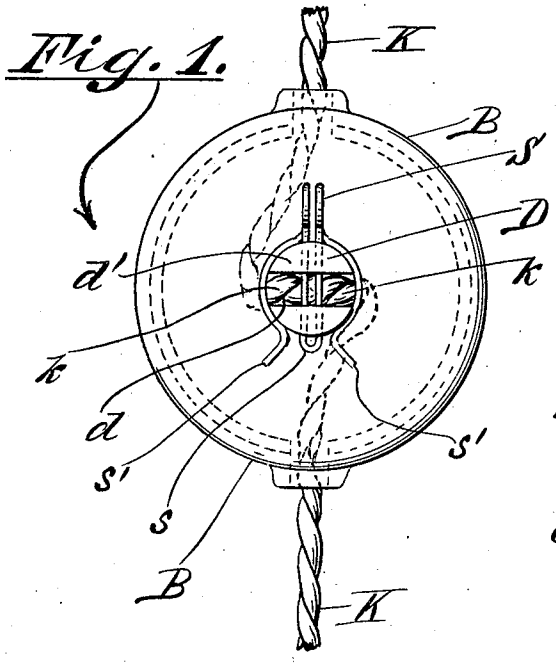
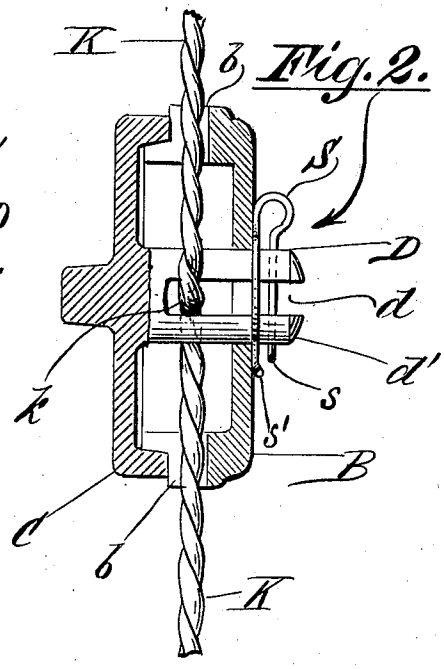


Fig. 2.



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UNITED STATES PATENT OFFICE.

OLIVER FRANK WESTRUP AND ERIC WESTRUP, OF NEW BRIGHTON, ENGLAND.

ADJUSTABLE SLACK-HOLDER FOR CORDS, &c.

1,386,918. Specification of Letters Patent. Patented Aug. 9, 1921.

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To all whom it may concern:

Be it known that we, OLIVER FRANK WESTRUP and ERIC WESTRUP, subjects of the King of Great Britain, and residents of New Brighton, Cheshire, England, have invented certain new and useful Improvements in Adjustable Slack-Holders for Cords, &c., of which the following is a specification.

The object of our invention is to afford a simple, cheap, convenient and effective holding device for taking up or reducing slack in the adjustment of length of flexible suspender or other cords, etc.,—especially those used in electrical work, although applicable to various other uses where rope, wire, and similar cords are involved,—the term "cord" as herein used by us being employed to designate any flexible connection which it may be desirable to extend or contract in length to meet the varying exigencies and requirements of use.

To this end, our invention consists in the specific combination, construction and arrangement of parts described and claimed,—distinctive features being the formation of one section of the device with a bifurcated bight drum protuberant through the other section, and the use of a straddle spring cotter pin in conjunction therewith as a means of coupling the parts together and augmenting frictional resistance, all as hereinafter fully set forth.

In the accompanying drawings,

Figure 1, is an elevation of our cord slack holder in its preferred form;

Fig. 2, is a sectional elevation thereof, taken upon plane of line 2—2, Fig. 1.

B, represents the body or box section of the device, constituting the main portion of the cord bight container, of which the closure or cover C, forms a part. The container is preferably, although not necessarily, cylindrical in shape; and is formed of any desired or suitable material, of non-conductive character when for use in connection with electrical wiring, etc. D, is a bifurcated bight drum attached to or forming part of one or the other sections B, C, of the container, and shown in the drawings as made integral with the cover C, although this is not an essential feature since it is obvious that an alternative structure would be within the scope of our invention. In either case the said bight drum D, is formed with an open end axial recess *d*, for the reception of the bight *k*, of the cord K. The bight *k*, of the cord K, is inserted in said recess *d*, of the drum D, while the parts B, C, are separated for the purpose, the box section B, being formed with diametrically opposed openings *b*, *b*, for the accommodation of said cord.

The cord K, being thus connected with the drum D, by a bight *k*, extending through the slot *d*, the drum D, is forcibly turned on its axis until the desired amount of slack of cord is taken up around said drum,—accidental unwinding being prevented by frictional resistance between the contactual surfaces.

This frictional resistance is augmented by a spring cotter pin S, the shank *s*, of which engages with holes, formed for the purpose in the protuberant end *d'*, of the drum D, while the free spring jaw ends *s'*, *s'*, straddle the peripheral surface of said protuberant end *d'*, of the drum D, and press against the outer surface of the box section B, as shown more particularly in Fig. 2.

If it is desired to positively lock the bight drum D, against rotation on its axis, to effect a relatively permanent length of cord or suspender, a wedge may be introduced either into the open end of the bight slot *d*, or into either of the cord holes *b*, *b*, as may be found most expedient.

The capacity of the box section B, is sufficient to accommodate several turns of the cord around the drum D, if desired,—such bight wind being isolated and protected from observation, and from contact with extraneous objects, so that a compact, neat appearance is attained, and all danger of entanglement obviated.

It will be seen that our device comprises a casing formed by the box section B, and the cover section C, and a slotted rotatable bight drum D, together with frictional resistance means for preventing the rotation of said drum on its axis unless force is applied sufficient to overcome such frictional resistance.

What we claim as our invention and desire to secure by Letters Patent is,

1. An adjustable cord bight holder of the character designated, comprising a casing formed in two sections, one rotatable on the other, one section being formed with a slotted and bifurcated cord bight drum the end of which is protuberant axially through the other section, and frictional resistance means for sustaining the bight drum section against

rotation on the other section, for the purpose described.

2. An adjustable cord bight holder of the character designated, comprising a casing formed in two sections, one rotatable on the other, one section being formed with a slotted and bifurcated cord bight drum the end of which is protuberant axially through the other section, and a spring cotter pin straddling the outer end of said cord bight drum and formed with a central shank portion extending through holes formed for the purpose in said bight drum.

3. An adjustable cord bight holder of the character designated, comprising a casing consisting of a box section formed with peripheral cord holes, a cover section rotatable on said box section, a slotted and bifurcated cord bight drum integral with said cover section and protuberant axially through the box section, and a spring cotter pin straddling the outer end of said cord bight drum and formed with a central shank portion extending through holes formed for the purpose in said bight drum.

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