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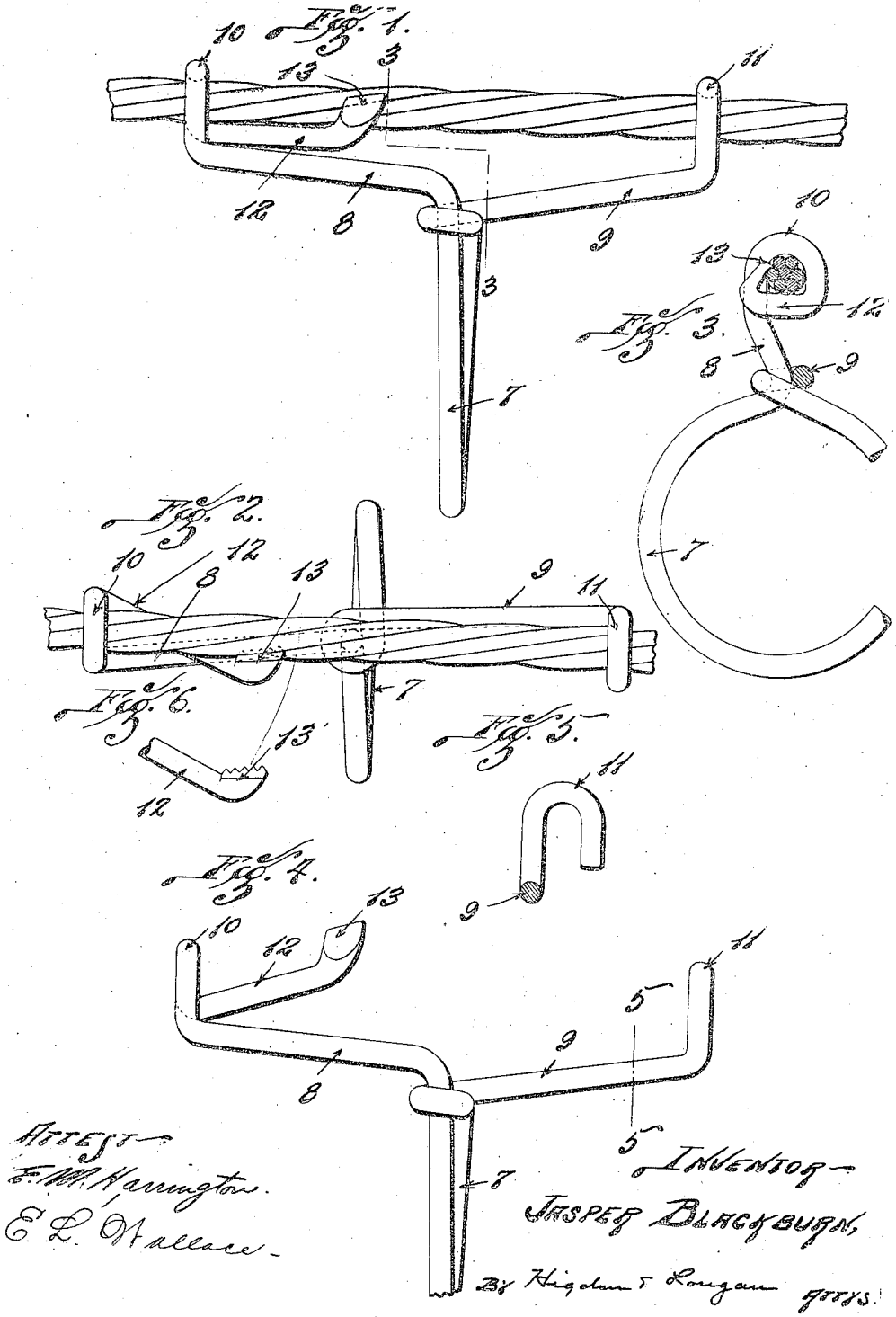
J. BLACKBURN.

CABLE HANGER.

APPLICATION FILED NOV. 10, 1913.

1,144,318.

Patented June 22, 1915.



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UNITED STATES PATENT OFFICE.

JASPER BLACKBURN, OF WEBSTER GROVES, MISSOURI.

CABLE-HANGER.

1,144,318. Specification of Letters Patent. Patented June 22, 1915.

Application filed November 10, 1913. Serial No. 800,119.

To all whom it may concern:

Be it known that I, JASPER BLACKBURN, a citizen of the United States, and resident of Webster Groves, St. Louis county, Missouri, have invented certain new and useful Improvements in Cable-Hangers, of which the following is a specification containing a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to improvements in cable hangers and the object of my invention is to construct a simple, durable and inexpensive cable suspending means which may be installed without tools and which is provided with an elastic tooth for engagement with the carrying cable or messenger to prevent lengthwise movements of the suspending means relative to the messenger.

With the above purposes in view my invention consists in certain novel features of construction and arrangement of parts as will be hereinafter more fully described, pointed out in the claims and illustrated by the accompanying drawings, in which—

Figure 1 shows in elevation my improved cable hanger in place upon a messenger; Fig. 2 is a plan of the device as shown in Fig. 1; Fig. 3 is a transverse sectional elevation of the device taken on the line 3—3 of Fig. 1; Fig. 4 is an elevation of the device detached from the messenger; Fig. 5 is a detail transverse sectional elevation taken on the line 5—5 of Fig. 4; and Fig. 6 is a plan illustrating the serrated cable engaging tooth.

Referring by numerals to the accompanying drawings: 7 designates an eye or loop forming a support for a jacketed cable, not shown. Extending in opposite directions from the eye 7 are the arms 8 and 9. Carried by each of said arms at their free ends are the hooks 10 and 11. Leading from the hook 10 is an arm 12 having at its free end a tooth 13 which, as shown in Fig. 6, is preferably serrated. The arm 12 in elevation, as shown in Fig. 4, is separated from the arm 8 a distance slightly in excess of the diameter of the suspending cable or messenger, so that in applying the hanger it may be simply slipped over the suspending cable with the arms 8 and 12 straddling the suspending cable. The hook 10 is then in a position to embrace the suspending cable after which the hanger is moved to a position with the arm 12 in a diagonal position relative to the suspending cable. In this position the tooth 13 is brought to engage with the suspending cable and the entire hanger is held in a position diagonally of the suspending cable. The hook 11 is then sprung underneath the suspending cable and then to a position hanging from the suspending cable. In this position, with the tooth 13 engaging the suspending cable, the entire hanger is locked against lengthwise movement of the suspending cable.

Due to the fact that suspending cables are, as a rule, twisted I prefer to construct the tooth 13 at such an angle as to parallel the helices of the cable, and when in use the tooth will engage between two of the wires of the cable so that in order to move the entire hanger lengthwise of the cable it will be necessary to rotate the entire hanger about the suspending cable. This action is, of course, obviated by the jacketed cable, or the suspending cable.

In the form shown the device is constructed of a single piece of spring metal, and therefore may be constructed at a minimum of cost and due to the locking tooth an integral means is provided for securing the hanger in place and, in view of the fact that the device may be applied without tools, it is obvious that the installation may be accomplished in a minimum of time and with a minimum of effort.

I claim:

1. A cable hanger comprising a support for a cable, a pair of separated elements for suspending the hanger from a messenger, and an elastic element extending from one of the separated elements toward the other and disposed at an angle relative to a line drawn through the separated elements.

2. As a new article of manufacture, a cable hanger constructed of a single piece of material and comprising a loop or support for a suspended cable, a pair of hooks to partially embrace a suspending cable, and an arm, having a tooth arranged between the hooks for engagement with the suspending cable.

3. A cable hanger constructed of a single piece of spring metal wire, comprising an

eye for the support of a suspended cable, arms leading from said eye and terminating in hooks for engagement with a suspending cable, and an arm having a tooth at its end leading from one of said hooks for engagement with the suspending cable between said hooks to prevent lengthwise movements.

In testimony whereof, I have signed my name to this specification, in presence of two subscribing witnesses.

JASPER BLACKBURN.

Witnesses:
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