

C. L. PEIRCE, JR.
CABLE HANGER.
APPLICATION FILED JAN. 2, 1907.

953,394.

Patented Mar. 29, 1910.

Fig. 1.

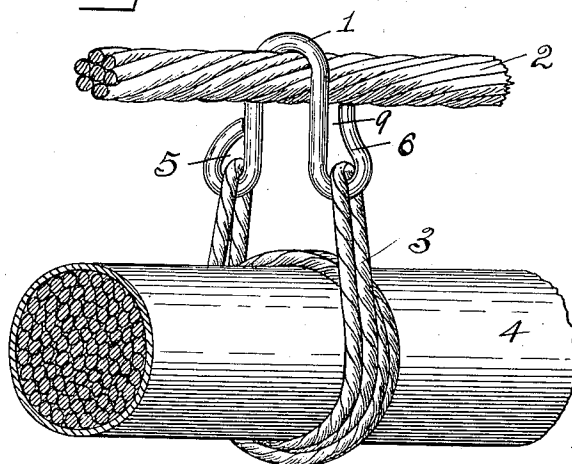
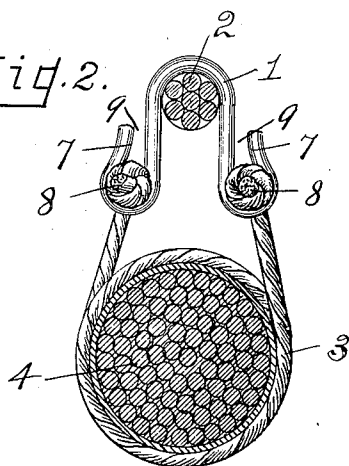


Fig. 2.



WITNESSES:

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CABLE-HANGER.

953,394.

Specification of Letters Patent. Patented Mar. 29, 1910.

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To all whom it may concern:

Be it known that I, CHARLES L. PEIRCE, Jr., a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improved Cable-Hanger; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to devices for suspending wires and cables from their messengers or supporting wires, and more particularly to such cables as constitute electrical conductors for telegraph and telephone circuits, which owing to their weight are incapable of supporting themselves when suspended from poles spaced apart at the usual intervals.

The general object of my invention is the provision of a hanger of this nature which is simple and economical in its construction, capable of being easily and quickly applied to or removed from the messenger and supported cable, and at the same time prevented from being accidentally disconnected therefrom, and which combines a maximum of strength with a minimum amount of material whereby to enhance the practicability and commercial value thereof.

The invention is fully described in the following specification and shown in the accompanying drawings, in which,—

Figure 1 is a perspective view of one form of my hanger applied to a messenger wire and its associated cable, and Fig. 2 is a cross-section of the messenger wire and its associated cable with a modified form of my hanger applied thereto.

Referring to the drawings, 1 designates the hook or saddle member for riding on and engaging the messenger wire 2, and 3 the portion thereof which forms the loop or suspender member for engaging with and supporting the conductor cable 4.

The hook 1 is preferably formed from a length of wire bent into U-shape and having its ends turned up to form cord engaging members. These may be in the form of an eye 5 and hook 6, or both terminals may be bent to form hooks, as shown at 7 in Fig. 2.

The loop or suspender member 3 of the hanger consists of a cord, rope, or other flexible member which has its ends knotted, as shown at 8 in Fig. 2, or looped as shown in Fig. 1, to adapt it to engage the bent ends of the hook 1. This cord may either have one end permanently secured to the hook, as shown in Fig. 1, or it may have both ends removable therefrom, as shown in Fig. 2. The hooked terminals of the member 1 are bent sufficiently close to the adjacent leg of the member 1, as shown at 9, to require the application of force to the loop member 3 in order to place its ends in or out of engagement with such hooks, thus preventing an accidental disengagement of the loop therefrom and at the same time rendering it susceptible of easy engagement or disengagement by a lineman.

In practice it is preferable to make the loop or suspender 3 of sufficient length to enable its central portion to be passed entirely around the supported cable prior to the placing of the free end thereof in engagement with the hook of the member 1, thus preventing any tendency of the hangers to slide longitudinally of the cable.

It is thus apparent that my hanger may either comprise a clip having both ends provided with hooks or one end formed with an eye and the other with a hook, and also that the cord or suspending member 3 may consist of a flexible member formed at its ends with knots, loops, or other suitable means for engaging the bent ends of the hook member 1.

With my construction of hanger the objections continually raised to the use of the forms of hangers heretofore employed are entirely obviated, as the formation of the hook portion 1 enables it to swing and slide freely on the messenger, the engagement of the free end of the loop 3 with the hook-end of the member 1 prevents an accidental disengagement thereof, and the hanger is capable of being easily and quickly applied to or removed from a cable and its messenger without the use of tools.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is,—

1. A cable-hanger comprising a U-shaped metal member having one leg terminating in an eye and the other leg terminating in a hook, and a flexible loop member having one

end in engagement with the eye and its other end capable of removable engagement with the hook.

2. A cable-hanger comprising a looped member for riding on the messenger wire, and a flexible member for looping around the cable, said looped member having one leg terminating in an eye to which one end of the flexible member is secured and its other end terminating in a hook with which the free end of the flexible member removably engages, the opening between the terminal of the hook and the attached leg of its member being such as to require the application of force to the end of the flexible member to place it into or out of engagement with the loop of the hook.

3. A cable-hanger comprising a messen-

ger-engaging portion formed of a length of wire bent into U-shape with one end terminating in an eye and the other end terminating in a hook, and a flexible cable-engaging member having its ends looped and one in engagement with the eye, the central portion of said member being adapted to completely encircle the cable and its free end to be placed in removable engagement with the hook.

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

CHARLES L. PEIRCE, JR.

Witnesses:

N. H. BLATCHFORD, Jr.,
WM. H. FORD.