

W. K. KRIPS & G. W. WRIGHT.

AERIAL CABLE SUPPORT.

APPLICATION FILED JAN. 4, 1910.

960,344.

Patented June 7, 1910.

Fig. 1.

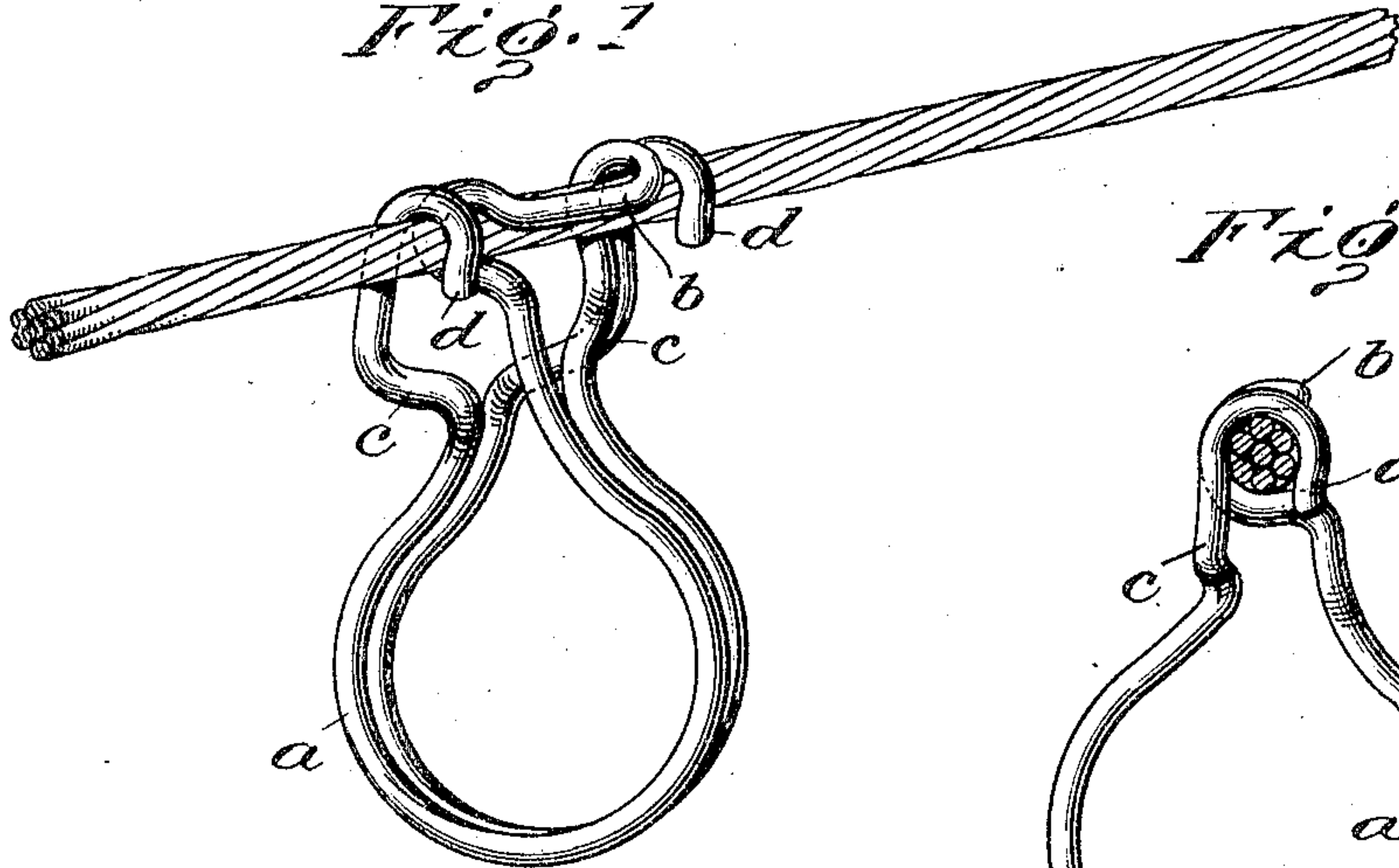


Fig. 2.

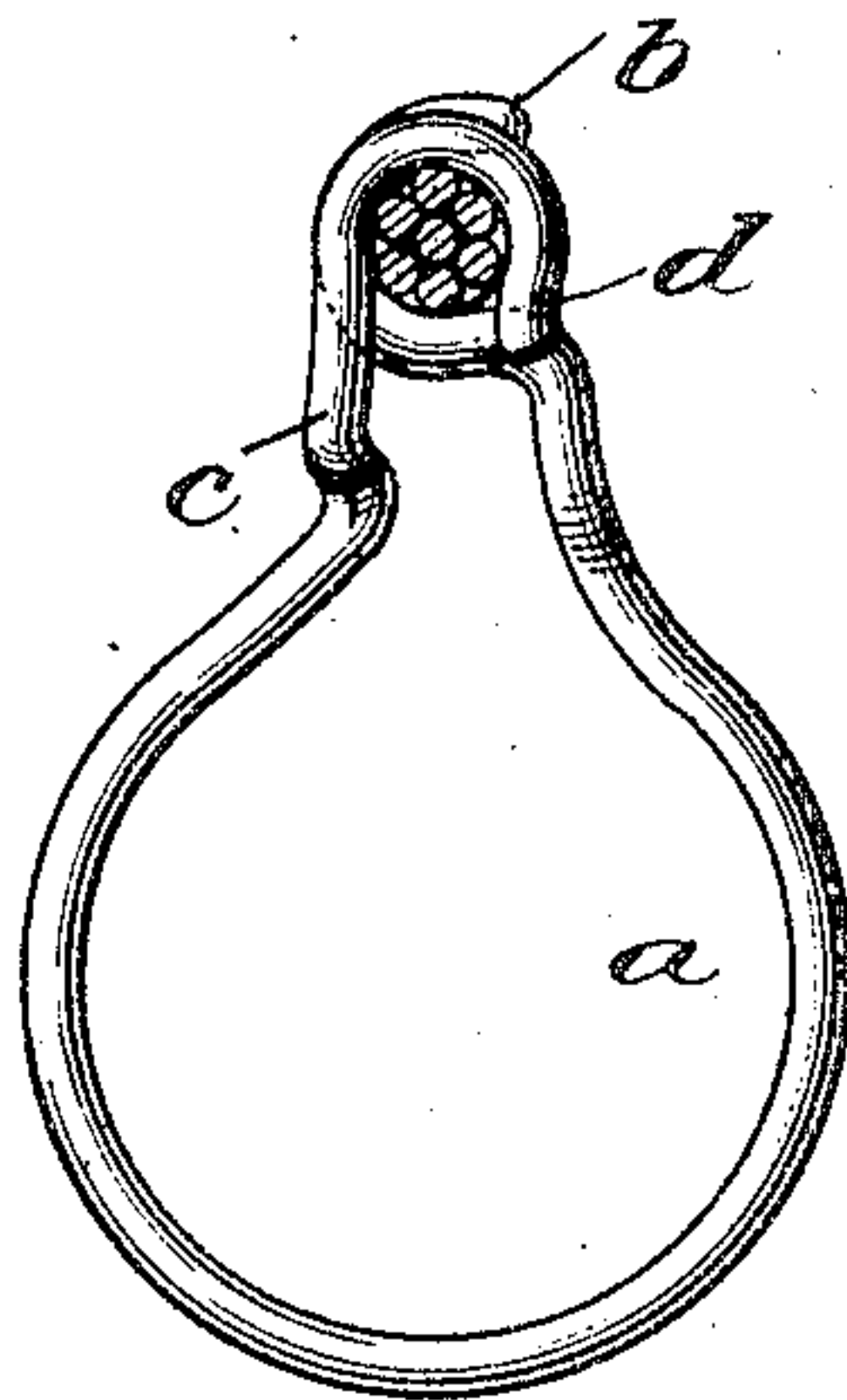


Fig. 3.

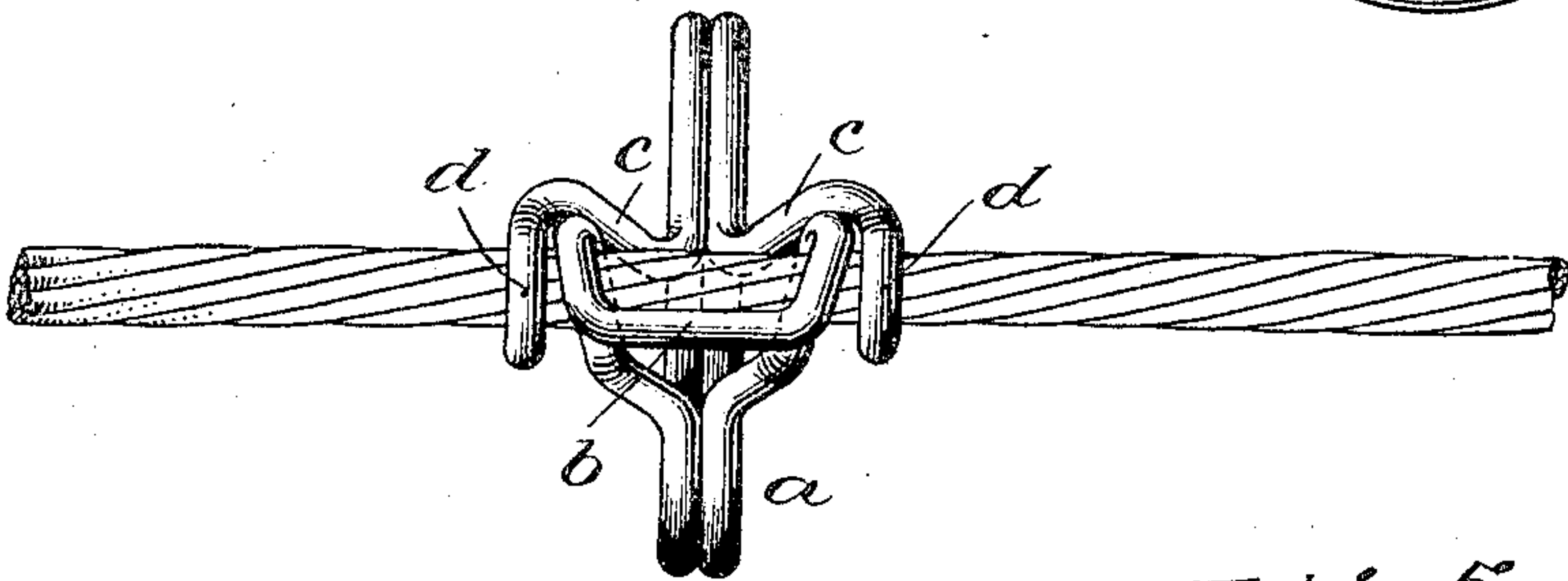
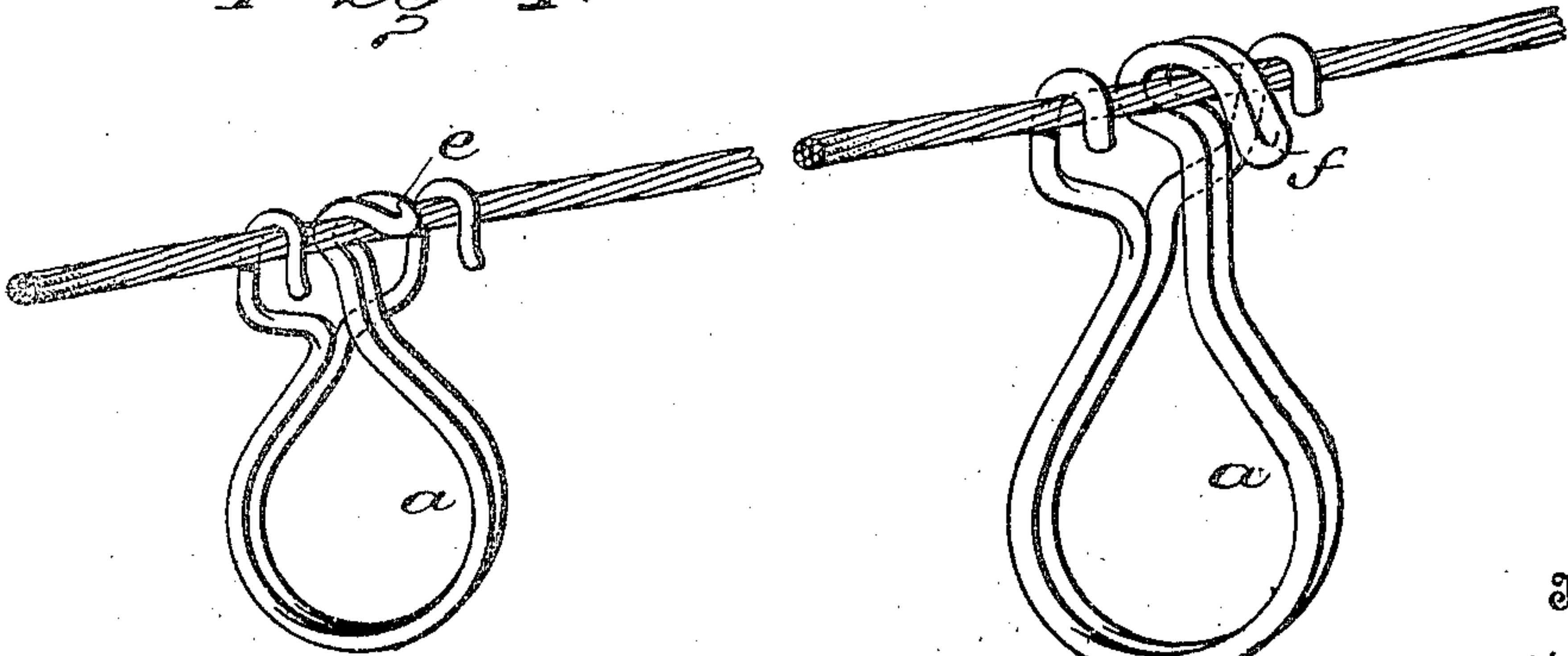


Fig. 5.

Fig. 4.



Witnesses

W. A. Williams  
Jas. B. Richmond

By

Inventors

William K. Krips  
George W. Wright  
Augustus B. Stoughton  
Attorney



# UNITED STATES PATENT OFFICE.

WILLIAM K. KRIPS AND GEORGE W. WRIGHT, OF PHILADELPHIA, PENNSYLVANIA.

## AERIAL-CABLE SUPPORT.

960,344.

Specification of Letters Patent.

Patented June 7, 1910.

Application filed January 4, 1910. Serial No. 536,358.

To all whom it may concern:

Be it known that we, WILLIAM K. KRIPS and GEORGE W. WRIGHT, citizens of the United States, and residents of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a certain new and useful Aerial-Cable Support, of which the following is a specification.

The ordinary cable support and the one most commonly employed is the crimped support and it is unsatisfactory because a special crimping tool is used to apply it, which requires the use of both hands and leaves the lineman suspended in a precarious position. Various types of self-locking supports have been proposed and while some of them may possess advantages peculiar to themselves the advantages, if any, are nullified by the liability of disengagement of the support when there are any dents or other rough surfaces upon the cable covering. The desideratum therefore is a cable support which may be readily applied with one hand and which when applied is positively locked against accidental disengagement.

Such a support is contemplated by the present invention and the invention also contemplates a support which may be readily disengaged manually and the life of which is not impaired by long usage.

The nature, characteristic features and scope of the invention will be more readily understood by reference to the following description, taken in connection with the accompanying drawings, forming a part hereof, and wherein—

Figure 1, is a perspective view of an aerial cable support constructed in accordance with our invention and applied to a strand or span-wire. Fig. 2, is an end view. Fig. 3, a plan view; and Figs. 4 and 5, illustrate modified structures.

We generally employ in constructing our support a wire possessed of some resiliency which is doubled upon itself and then bent to form the cable-carrying ring or loop *a*. One side or element of the loop is then formed near its extremity into a transversely-ranging hook or stirrup-like member *b*, which receives the span-wire with more or less lateral tension. This hook or member *b*, takes a three-point bearing on the span-wire, namely at top, bottom, and one side. The other limb or element of the loop termi-

nates in diverging arms *c*, that extend upwardly and terminate in abutments or hook-like terminals *d*, that overhang the span-wire at either end of the stirrup and are substantially alined with the latter. The terminals *d*, also have a three-point bearing on the span wire, namely at top and both sides. Otherwise stated, the terminals *d*, and the stirrup or gooseneck member *b*, with reference to how they clutch the span-wire are disposed at a right angle relative to each other. It will be understood that the device so constructed is snapped upon the span-wire and that no further manipulating, shaping, or bending is required to hold it in position, the form of the clutch and the tension of the spring-loop operating to positively lock it against accidental disengagement.

In the modification, Fig. 4, the closed end of the wire forms a bill or hook *e*, that overhangs but does not extend below the span-wire; and in Fig. 5, the bill or hook *f*, overhangs and extends below the span-wire.

It is obvious that various other changes may be made without departing from the spirit and scope of the invention and that to this end the invention is not limited other than the prior state of the art demands.

Having described the nature and objects of the invention, what we claim and desire to secure by Letters Patent is:—

1. An aerial cable support consisting of a cable carrying loop one element of which has a transversely-ranging hook or stirrup that engages the top, bottom, and one side of the span wire, and whereof the other element has hook-like terminals that engage both sides and the top of the span wire.

2. An aerial cable support consisting of a spring wire doubled upon itself and whereof the medial or doubled part is formed with a transversely ranging hook or gooseneck terminal that engages the span wire and whereof the single members are formed with divergent hook-like terminals that lock the gooseneck upon the span wire.

In testimony whereof we have hereunto signed our names to this specification in the presence of two subscribing witnesses.

WM. K. KRIPS.

GEORGE W. WRIGHT.

Witnesses:

A. B. STUGHTON,

K. M. GILLIGAN.