

S. M. HAMPTON.
CABLE GUIDE.
APPLICATION FILED MAY 3, 1913.

1,108,748.

Patented Aug. 25, 1914.

Fig. 1.

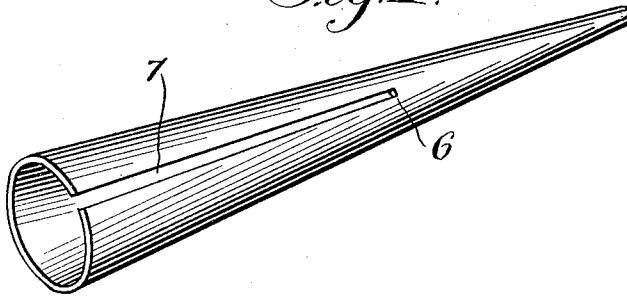
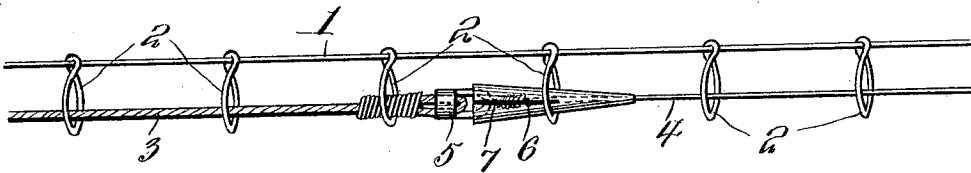


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

SECOND M. HAMPTON, OF LEAKSVILLE, NORTH CAROLINA.

CABLE-GUIDE.

1,108,748.

Specification of Letters Patent.

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Application filed May 3, 1913. Serial No. 765,400.

To all whom it may concern:

Be it known that I, SECOND M. HAMPTON, a citizen of the United States, residing at Leaksville, in the county of Rockingham and State of North Carolina, have invented new and useful Improvements in Cable-Guides, of which the following is a specification.

This invention relates to improvements in cable guides and has particular application to a device of this character whereby overhead cables may be drawn through their supporting rings.

In carrying out the present invention, it is my purpose to provide a cable guide which will be constructed in such manner that overhead cables may be rapidly, conveniently and effectively drawn through the supporting rings carried by the suspended suspension strands, thereby eliminating the use of rollers and the like and enabling the cable to be drawn directly through the rings.

It is also my purpose to provide a device of the type set forth which will embrace the desired features of simplicity, efficiency, durability and strength and which may be manufactured and marketed at a minimum expense and readily applied to a cable.

With the above and other objects in view, the invention consists in the construction, combination and arrangement of parts hereinafter set forth in and falling within the scope of the claim.

In the accompanying drawing; Figure 1 is a perspective view of a guide constructed in accordance with the present invention, and Fig. 2 is a plan view showing the manner of using the guide.

Referring now to the accompanying drawing in detail, the numeral 1 designates the suspension strand which as usual is strung along the path of the cable and supported upon poles, the latter being appropriately spaced apart. Suitably fastened to the suspension strand 1 and depending therefrom are supporting rings 2 of any suitable or desired construction and spaced apart suitable distances along the length of the strand.

The numeral 3 designates a cable, composed of any number of conductors, and designed to be drawn through the supporting rings 2.

The hauling rope or pulling strand is indicated at 4 and is trained through the rings 2 and has one end thereof connected to a

head 5 fastened upon the respective extremity of the cable 3.

In order that the cable 3 may be drawn directly through the supporting rings 2 under the action of the pulling strand 4 and without necessitating the use of rollers or the like, I employ a guide 6 which, in the present instance, is in the form of a cone-shaped tube and has the relatively large end thereof connected with the head 5 and the adjacent portions of the cable 3 and the small end surrounding the adjacent portion of the hauling rope or pulling strand 4 so that when a pull is exerted upon the latter to draw the cable through the eyes, the cone-shaped guide 6 will enable the cable to be carried through the rings with ease and facility. The relatively large end of the cone-shaped guide 6 is preferably split longitudinally for a portion of the length of the guide, as at 7, so that the guide may be adjusted, or adapt itself, to rings of various diameters and to cables of different diameters.

In some instances, particularly where a heavy cable is employed or where the length of the cable is such as to set up undue friction between the covering of the cable and the rings 2, I preferably oil the cable so as to reduce friction between the parts and facilitate the drawing or pulling action.

From the foregoing description taken in connection with the accompanying drawing, the construction and manner of employing my invention will be readily apparent.

It will be seen that I have provided a cable guide which may be readily applied to the head end of the cable and which may be manufactured and marketed at a minimum expense.

While I have herein shown and described one preferred form of my invention by way of illustration, I desire to have it understood that I do not limit or confine myself to the precise details of construction herein described and delineated, as modification and variation may be made within the scope of the claim without departing from the spirit of the invention.

I claim:

In a cable guide, the combination with a suspension strand and supporting rings connected to said strand and spaced apart thereon, of a cone-shaped tube having the relatively small end thereof designed to receive a hauling rope and the large end there-

of split and designed to receive the adjacent
end of the cable, said tube being movable
through said rings under the action of the
hauling rope, the split portion of the tube
5 permitting the latter to adjust itself to rings
of various diameters and different size cable
heads.

In testimony whereof I affix my signature
in presence of two witnesses.

SECOND M. HAMPTON.

Witnesses:

J. H. LANE,
T. W. FIELD.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."