To all whom it may concern:

Be it known that I, LAWRENCE J. MUEHR, a citizen of the United States, residing at Duluth, in the county of St. Louis and State of Minnesota, have invented certain new and useful Improvements in Supports for Stringing Cables, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to improvements in supports for stringing cables, and relates particularly to telephone cables and the like.

The object of my invention is to provide a support of this character which can be more readily attached to the suspending wire and one that will retain its relative position to the wire at all times.

Another object of my invention is to provide a more simple, cheap and effective support of this character having certain details of structure and advantages hereinafter more fully set forth.

In the accompanying drawings—Figure 1 is a transverse vertical sectional view of my support applied to the suspending wire. Fig. 2 is a longitudinal sectional view of Fig. 1.

Referring now to the drawings, 1 represents a metal strap stirrup having the bent portion 2 in which is mounted the horizontal transverse shaft 3, carrying the roller 4. The shaft 3 is loosely mounted in the bent portion and held therein by the collar pin 5. The upper end of the strap is turned at right angles to the body portion as indicated at 6, and has firmly attached to its underside the longitudinal grip bar 7, which depends at its two ends 8 and 9. These downwardly turned ends are bifurcated at 10 and straddle the suspending wire 11, and which causes the wire to center itself in the device. The upwardly turned end 2, of the stirrup strap 1 terminates in a hinge 12 to which is attached the hasp 13. The upper end 14 of the hasp is designed to overlap the end 6 of the stirrup strap and adapted to be firmly connected to the opposite end of the stirrup, forming practically a continuous stirrup strap. The entire end 6 of the hasp is designed to overlap the end 6 of the stirrup strap, and is formed integral with the stem. The said stem extends upwardly through the bifurcated end 17 of the hasp 13, and has screwed thereon the nut 18, whereby the jaw is adjusted up or down through the hasp.

The nut 18 is of a peculiar shape, it having formed upon one side thereof an extension 19, having the groove 20 for the reception of a tool or other instrument, such as the workman's pliers, whereby the nut may be readily turned without the necessity of a wrench.

Secured to the inner fixed strap 1 is the arch spring 21, which extends entirely across the space between the strap 1 and hasp 13, it being for the purpose of preventing the supported cable from getting up into the narrow portion of the support and catching and thus in any way injuring the support.

It will be seen that the support can be readily applied to the supporting cable and the supported cable also readily inserted in the supports. When inserting the supporting cable the nut 18 is unscrewed by inserting a tool in the groove 20, which separates the jaw 16 from the grip jaw and also releases the inwardsly turned end 14 of the hasp 13 and allowing the same to swing downwardly. The supported cable can then be readily inserted, resting upon the roller, and the removable shaft of the roller allows the replacing of a roller should it become broken.

By reference to Fig. 2 of the drawing, it will be seen that the bar 7 forms a large or long bearing or supporting surface on the supporting cable and the bifurcated ends thereof absolutely prevent any liability of the twisting of the hanger on the supporting wire.

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

1. A support of the character described, comprising a hanger formed of two hinged sections, and a vertically movable means carried by the upper end of the hanger for attaching it to the supporting wire and securing the sections together.

2. A support of the character described, comprising a hanger formed of two hinged sections, a roller supported thereby, and a vertically movable means carried by the upper end of the hanger for attaching it to the supporting wire and securing the sections together.

3. A support of the character described, comprising an elongated plate, a stirrup extending transverse of the plate and rigidly secured thereto, a hinged section formed in the stirrup, a roller journaled in the stirrup.
below said hinged section, and means carried by the plate for clamping the supporting wire thereagainst.

4. A support of the character described, comprising an elongated plate, a stirrup extending transverse of the plate and rigidly secured thereto, a hinged section formed in the stirrup and having an inwardly turned bifurcated end, a gripping jaw below the plate and having a screw-threaded shank extending through the plate and stirrup and the bifurcated end of the hinged section, and a nut on said shank, substantially as described.

5. A support of the character described, comprising an elongated plate having downwardly turned bifurcated ends, a stirrup having a laterally turned end extending transverse the plate and rigidly secured to the upper face thereof, a gripping member below the plate and having an upwardly extending screw-threaded shank passing through the plate and turned end of the stirrup, a hinged portion formed in one side of the stirrup and having a bifurcated laterally turned end adapted to straddle the shank of the gripping jaw, an eccentric nut on said shank and having a groove to receive a tool, a spring carried by the rigid portion of the stirrup and extending to the movable portion, a shaft removably carried by the stirrup below the hinged portion, and a roller loosely mounted upon said shaft.

8. A support of the character described, comprising an elongated plate, a stirrup extending transverse of the plate and rigidly secured thereto, a roller journaled in the lower end of the stirrup, a hinged section formed in the stirrup and having an inwardly turned bifurcated end, a gripping jaw below the plate and having a screw threaded shank extending through the plate and stirrup, and the bifurcated end of the hinged section, and a nut on said shank, substantially as shown.

9. A support of the character described, comprising an elongated plate, a stirrup extending transverse of the plate and secured thereto, a roller journaled in the lower end of the stirrup, a hinged section formed in the stirrup and having an inwardly turned bifurcated end extending over the transverse portion of the stirrup, a transverse member carried by the stirrup and engaging the hinged section, a gripping jaw below the plate and having a screw threaded shank extending through the plate and stirrup and the bifurcated end of the hinged section, and a nut on said shank above the bifurcated end of the hinged section.

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

LAWRENCE J. MUEHR.

Witnesses:
Norman E. La Mond,
S. Geo. Stevens.