

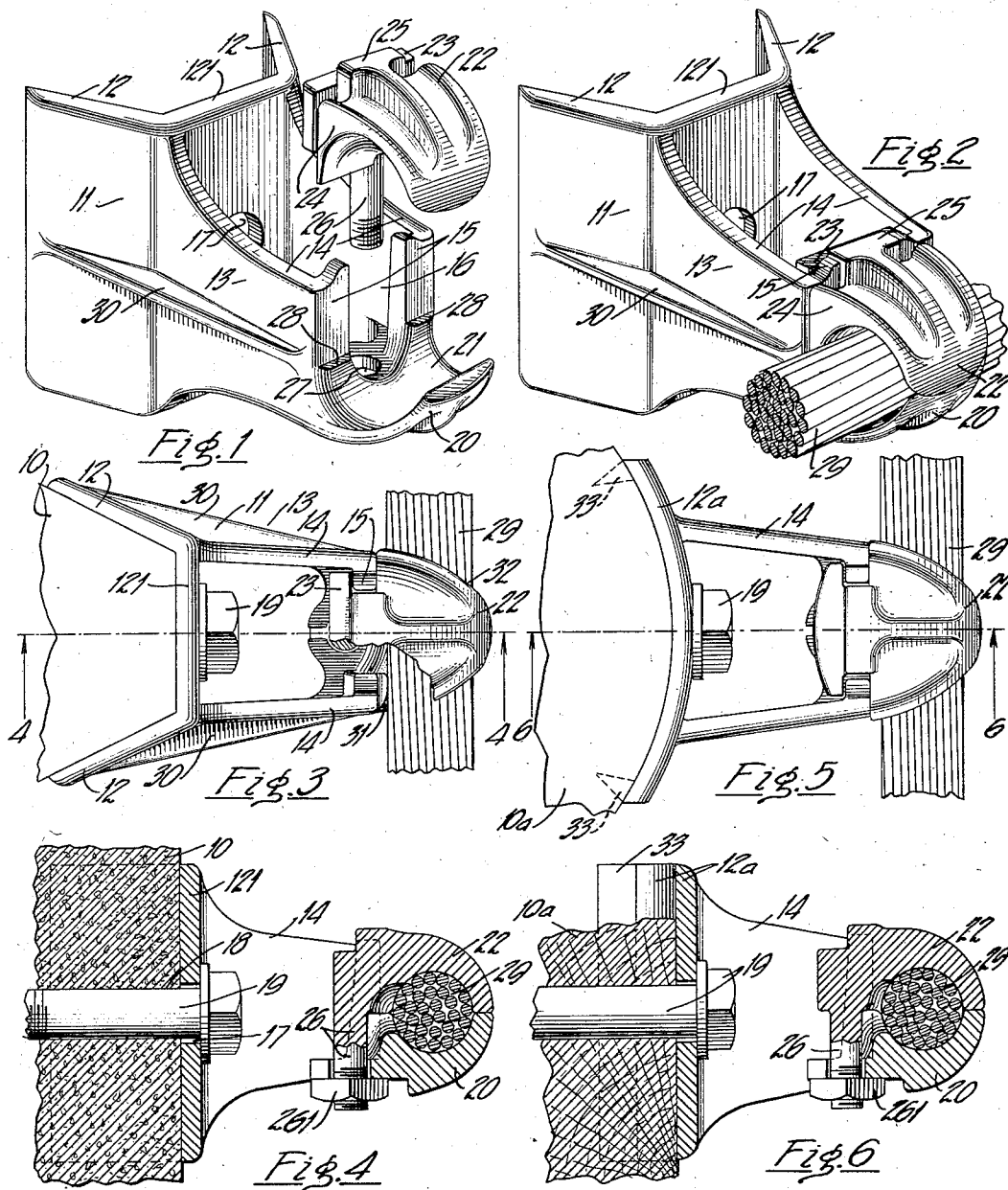
Dec. 31, 1935.

G. R. TARBOX

2,026,260

CABLE SUPPORT

Filed May 2, 1933



Inventor:
George R. Tarbox,
by *Wm. H. Wood*
His Attorneys.

UNITED STATES PATENT OFFICE

2,026,260

CABLE SUPPORT

George R. Tarbox, Troy, N. Y.

Application May 2, 1933, Serial No. 669,025

9 Claims. (Cl. 248—66)

My invention relates to cable fasteners and particularly to a device of this character for use in securing cable guide railings to the usual posts which are erected at the side of a highway. In New York State and in many other states such posts are generally triangular in cross section and one form of the device here illustrated is adapted for use in connection with such posts, while another form illustrates the device applied to a cylindrical post. It is to be understood, however, that it may be used in connection with posts of any form or with other supports of any desired character.

The principal object of my invention is the provision of a device of this general character which may be manufactured cheaply, which is rugged in construction and which may conveniently be secured to posts or other supports.

A specific object of my invention is the provision of a device of the foregoing character in which the cable embracing element is formed of two sections one of which is rigidly secured to the base element and the other of which is removably secured thereto.

Other objects of my invention will appear in the specification and will be particularly pointed out in the claims.

My invention will best be understood by reference to the accompanying drawing in which I have illustrated certain preferred embodiments thereof and in which—

Fig. 1 is a perspective view of a device embodying my invention and illustrating the removable cable embracing section in disassembled position;

Fig. 2 is a view generally similar to Fig. 1 illustrating the cable supporting element embracing a cable;

Fig. 3 is a plan view, partially broken away, of Fig. 2;

Fig. 4 is a section along the line 4—4 of Fig. 3; Fig. 5 is a plan view generally similar to Fig. 3 illustrating a modified form of device; and

Fig. 6 is a section along the line 6—6 of Fig. 5. Like reference characters indicate like parts throughout the drawing.

Referring to the drawing and first to Figs. 1 to 4, 10 is a post polygonal in form to which the device embodying my invention may be secured. My invention comprises a base support 11, the walls or flanges 12 of which embrace sides of the post. The support 11 is provided with a forwardly extending portion indicated generally at 13 and comprising two spaced webs or flanges 14 each preferably integral with the base sup-

port and each preferably, but not necessarily, being provided at its forward end with an inwardly extending flange 15, a space or opening 16 being provided between the flanges at their forward ends. The front wall or transverse web 17 of the base support is provided with an opening 17 and the post with an opening 18, and a bolt 19 passes through the openings 17 and 18 and secures the base support to the post. The dimensions of the space 16 are sufficient to permit the ready insertion of the bolt therethrough, and the opening 17 is preferably somewhat larger than the bolt so that the latter may pass through said opening even when disposed at an angle to its normal position.

The cable embracing element embodying my invention comprises two sections one of which 20 is preferably integral with the webs 14 and with the base element and is provided with a gutter-like groove 21 in which the cable may temporarily be positioned. It will be observed that the outer ends of the webs or flanges 14 form an abutment extending above and to the rear of the groove 21 and against which the removable section of the cable embracing element 25 is secured, thus forming a cable gripping means which cannot be readily bent or knocked apart by impact to release the cable.

The cable embracing element also comprises a removable section 22 preferably, but not necessarily, provided with guiding portions 23 and 24 respectively connected by a portion 25 which is received in the space 16 so that the portion 23 is located back of and the portion 24 in front of the flanges 15 and serve to guide the section 22 into cable embracing position and assist in retaining the same firmly in that position, the removable section of the cable embracing element having surfaces complementary to those of the stationary cable embracing element and 40 interfitting therewith. The removable section 22 is also provided with a member preferably in the form of a bolt 26 which is integral with the section and which passes through an opening 27 in the lower wall of the base support, a nut 26 45 engaging the lower threaded end of the bolt and securing the section 22 in cable embracing position. The base element is preferably provided with shoulders 28 which are engaged by the lower edge of the guide portion 24 of the removable 50 section 22. The cable which is secured in position by the clamping element is indicated at 29. The base element is preferably provided with strengthening ribs 30. The clamping or securing element 22 is located between said flanges 55

which thus afford protection to said securing element thereby affording protection to the cable securing element by preventing the latter from being loosened or injured by the impact of an object which might otherwise engage said section 22 and loosen or injure the same.

The entire device is preferably made of malleable iron and the interior edges of the cable embracing element are preferably chamfered as at 31 as best shown in Fig. 3 to prevent injury to the cable when the cable is struck or otherwise deflected from its normal straight position. The exterior surface of the cable embracing element is also preferably rounded as at 32 as shown in Fig. 3 so that it merges as gradually as possible into the surface of the cable and does not form an abrupt projection thereon.

In Figs. 5 and 6 I have illustrated a slightly modified form of my device for use on round posts 10a which are shown as formed of wood. The vertical wall 12a of the base supporting element is rounded to engage the surface of the post and is provided with vertical ribs 33 sharpened at their edges so that they may be driven into the posts to obtain the base support in position on the post.

It will be observed that the flanges 12 and the transverse web 121 in the first species described, and the base 12a of the second species, are made reentrant so that they extend around and embrace a portion of the post thereby permitting the device to be rigidly secured to the post with a single securing element, such as the bolt 19.

While I have described my invention in its preferred embodiment, it is to be understood that the words which I have used are words of description rather than of limitation and that the drawings are merely illustrative. Hence, changes within the purview of the appended claims may be made without departing from the true scope and spirit of my invention.

What I claim is:

1. In a device of the character described, a base element adapted to be secured to a post, a cable supporting element comprising two cooperative sections the first of which is integral with said base element and the second of which is removable therefrom, said base element being provided with inwardly projecting spaced flanges, said second section being provided with portions engaging behind and in front of said flanges for guiding said second section into cable embracing position, and means for securing said second section to said support.

2. In a device of the character described, a base element provided with an opening through which may pass a bolt adapted to secure said base element to a post, said base element being provided with a forwardly extending portion having inwardly extending spaced flanges, the space between said flanges being aligned with said opening and of dimensions sufficient to permit the passage of a member for securing said base element to the post, and a cable supporting element comprising two sections at least one of which is removable and provided with portions coacting with said flanges for guiding the same into and securing it in cable embracing position.

3. In a device of the character described, a base element comprising a web adapted to lie against an edge of a polygonal post, spaced flanges integral with said web and extending rearwardly therefrom and adapted to embrace the sides of said post adjacent said edge, spaced flanges integral with and extend-

ing forwardly from said web and having a cable supporting element integral therewith and provided with a gutter-like groove, and a detachable cable securing element coacting with said supporting element to embrace said cable; said detachable element having a portion extending between said forwardly extending flanges, and a portion abutting the ends of said flanges.

4. In a device of the character described, a base element comprising a web adapted to lie against an edge of a polygonal post, spaced flanges integral with said web and extending rearwardly therefrom and adapted to embrace the sides of said post adjacent said edge, spaced flanges integral with and extending forwardly from said web and having a cable supporting element integral therewith, a detachable cable securing element coacting with said supporting element to embrace said cable and having a portion extending between said forwardly extending flanges and a portion abutting the ends thereof, and means coacting with the portion extending between said flanges for securing said elements in cable embracing relation.

5. In a device of the character described, an integral casting having forwardly extending spaced flanges connected together at their lower front portions and formed with a groove adapted to receive and support a cable, the forward ends of said flanges forming abutments above and rearwardly of said groove, said casting being provided in front of said abutments with a forwardly extending shoulder, and a cable securing element overlying said groove and detachably secured against said abutment and said shoulder.

6. In a device of the character described, a base element adapted to be secured to a post and comprising spaced integral flanges extending forwardly and having a cable supporting element integral therewith and provided with a gutter-like groove, and a detachable securing element coacting with said supporting element to embrace said cable, said detachable element having a portion extending between said forwardly extending flanges and having complementary surfaces interfitting with those of said casting, and a portion abutting the ends of said flanges.

7. A device of the character described comprising an integral casting having a reentrant portion adapted to extend partially about and embrace a portion of a post and spaced forwardly extending flanges connected together at their outer extremities to form a gutter like groove adapted to receive and support a cable, the upper edges of said flanges extending above said groove, means for securing said casting to said post, a cable supporting element independent of said post and interfitted with said flanges at the forward ends thereof and having a portion overlying said groove, and means for detachably securing said cable securing element to said flanges.

8. A device of the character described comprising an integral casting having a reentrant portion adapted to extend partially about and embrace a portion of a post and spaced forwardly extending flanges connected together at their outer extremities to form a gutter like groove adapted to receive and support a cable, the upper edges of said flanges extending above said groove, means for securing said casting to said post, a cable supporting element having a portion interfitted with the sides of said flanges, and having a portion overlying said groove, and means for

detachably securing said cable-supporting element to said flanges.

5 9. In a device of the character described, a base element comprising a web adapted to lie against a post, spaced flanges integral with said web and extending rearwardly therefrom and adapted to embrace the sides of said post, spaced flanges integral with and extending forwardly

from said web and having a cable supporting element integral therewith and provided with a gutter like groove, and a detachable cable securing element to embrace said cable and located between said forwardly extending flanges, said flanges thereby affording protection for said detachable element. 5

GEORGE R. TARBOX.