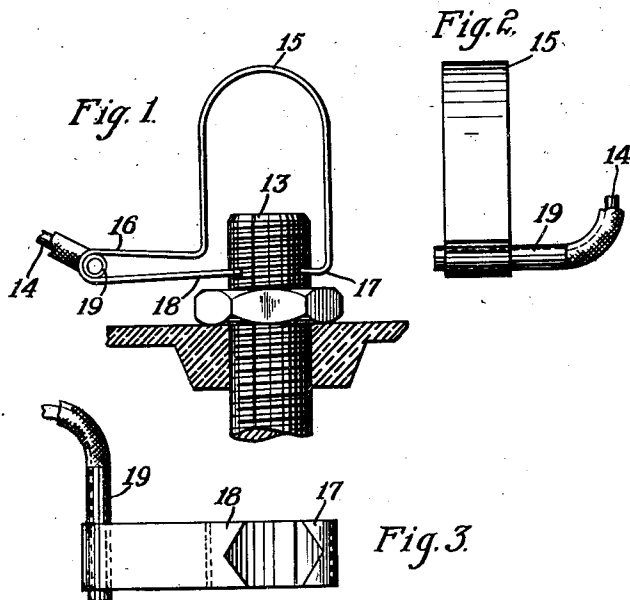


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E. W. BREISCH  
ELECTRICAL CONNECTER  
Filed Oct. 23, 1920



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## UNITED STATES PATENT OFFICE.

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## ELECTRICAL CONNECTER.

Application filed October 23, 1920. Serial No. 419,023.

My invention relates to electrical connectors and particularly to clamping devices for readily effecting the temporary connection of a pair of electrical conductors.

5 My invention has for its object the provision of a connecting member of simple and inexpensive construction and one which may be quickly and effectively attached to a binding post or other terminal member.

10 Heretofore, in order to make temporary connections, as to a storage battery terminal when charging, a clamping device has been employed which is made of two pivoted members having a spring interposed to give  
15 the required clamping tension. I provide an effective device of this character which is made in a single piece.

Some of the forms in which my connector may be made are shown in the accompanying  
20 drawing, wherein—

Figure 1 is a view, in side elevation, of the preferred form of my device in position on a binding post.

25 Fig. 2 is a view looking from the left of Fig. 1; and

Fig. 3 is a bottom plan view;

My device is intended, primarily, for use with battery-charging outfits, and I have illustrated it as connecting a battery terminal  
30 or binding post 13 to a conductor cable 14 leading from a source of supply. The connector consists of a strip of spring material 15, stamped out of a sheet of phosphor bronze or other conducting material, and is  
35 preferably bent to the form shown in Figs. 1, 2 and 3. It will be observed that it is of a substantially inverted U-shape, with an extension 16 which serves both as a handle and as a support for the cable 14. Inturned  
40 ends 17 and 18 are provided to grip the terminal 13. The inturned ends have sharpened portions to enable them to more effectively grip the terminal member 13.

The cable 14 may either be soldered in the extension 16 or it may be inserted in a brass tube 19 and the tube pressed tightly there-

about and then soldered in the extension 16.

To remove the connector 15 from the binding post 13, the extension 16 is drawn outwardly to disengage the inturned end 18 and  
50 the extended portion 16 is then raised until the inturned end 18 is carried across the top of the binding post. To place the connector 15 on the binding post, the inturned end 17 is hooked upon the binding post, and a pull  
55 exerted on the extension 16 to permit the swinging of the inturned end 18 down into position opposite the end 17.

The use of the tubular member 19, and also of solder, may be dispensed with and  
60 the end of the cable 14 be inserted in the cable-supporting loop which is provided in the connector 15, and the loop squeezed or flattened to hold the cable tightly in place.

From the foregoing, it will be seen that I  
65 provide a one-piece connector member of simple and compact form which may be readily applied or removed by the use of one hand only.

It is obvious that various modifications  
70 of structure might be made without departing from the spirit of the invention as set forth in the appended claim.

I claim as my invention:—

A connector comprising a unitary flexible  
75 metallic strip of substantially inverted U-shape having two legs provided with inwardly bent end portions in substantially the same plane to constitute oppositely disposed cooperating contact jaws for yieldingly grip-  
80 ping a terminal, one of the said jaws being of greater length than the other and constituting one portion of a flat loop extending at right angles to one leg of the strip which constitutes a combined handle and socket  
85 for receiving a permanently attached conductor.

In testimony whereof, I have hereunto subscribed my name this 13th day of October 1920.

EDGAR W. BREISCH.