July 26, 1932. A. CONRAD 1,868,939

CONNECTER FOR CONNECTING THE CABLE TO A BATTERY POST

Filed Feb. 27, 1931

Fig. 1.

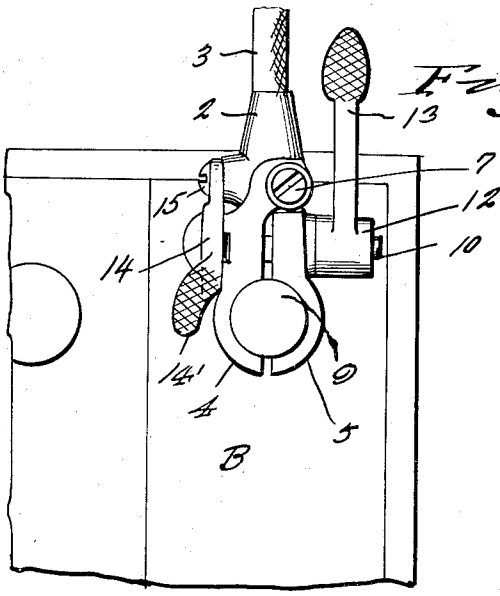


Fig. 2.

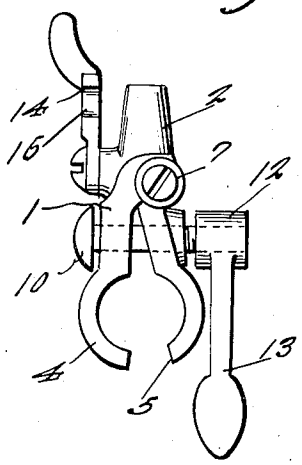


Fig. 3.

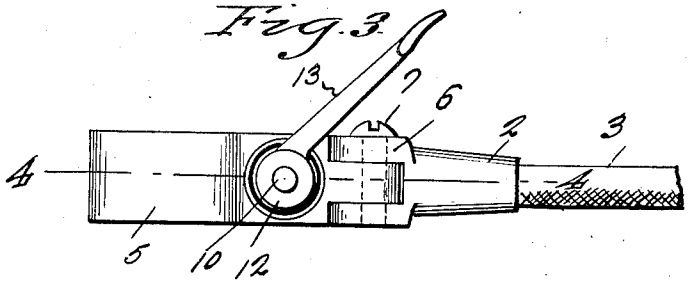


Fig. 4.

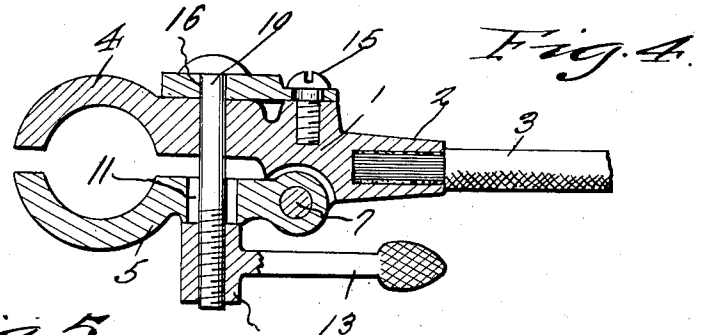
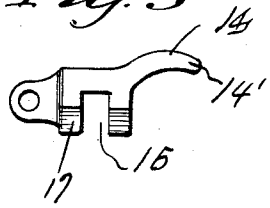


Fig. 5



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CONNECTER FOR CONNECTING THE CABLE TO A BATTERY POST

Application filed February 27, 1931. Serial No. 518,842.

This invention relates to a connecter for connecting a cable to a battery post, the general object of the invention being to provide means whereby a cable can be easily and quickly attached to a battery post or removed therefrom without danger of damaging the battery or cable and without the use of tools.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawing and specifically pointed out in the appended claims.

In describing the invention in detail, reference will be had to the accompanying drawing wherein like characters denote like or corresponding parts throughout the several views, and in which:

Figure 1 is a fragmentary plan view showing the invention in use.

Figure 2 is a plan view showing the device in open position.

Figure 3 is a side view.

Figure 4 is a section on line 4—4 of Figure 3.

Figure 5 is a view of the compensating device.

In this drawing, the numeral 1 indicates the body of the device which at one end is formed with a tapered socket part 2 to receive the strip end of the cable 3 and at its other end the member is formed with a jaw 4 of semi-circular shape. A movable jaw member 5 is pivoted between the perforated ears 6 formed on the part 1 by the pin 7 and the gripping part of the movable jaw is also substantially semi-circular in shape so that the two jaws form a circular opening for receiving the post 9 of the battery B as shown in Figure 1. A bolt 10 passes through a hole in the part 1 and through an enlarged hole 11 in the shank of the movable jaw 5 and the hub 12 on the lever 13 is threaded on the threaded end of the bolt. A compensating lever 14 is pivoted to the body part 1 as shown at 15 and is located on the opposite side of the body part to that on which the movable jaw is pivoted. This lever 14 is formed with a notch 16 in one side thereof and the side of the lever through which the notch passes is beveled as shown at 17.

This lever is adapted to engage the headed end of the bolt with the notch 16 receiving the bolt as shown in Figures 1 and 4.

In applying the connecter to a battery post the lever 13 should be in the position where the threaded hub 12 thereof is moved toward the end of the bolt and the compensating lever 14 swung from under the head of the bolt. This position of the parts will enable the jaws 4 and 5 to be moved to open position and readily passed over the battery post.

After the jaws are placed in engagement with the post, the compensating lever is pushed by the thumb on the finger part 14′ thereof so as to cause the beveled portion 17 to pass under the head of the bolt and thus cause the bolt to enter the notch 16. This will move the bolt outwardly so as to move the threaded end and the hub 12 of the member 13 inwardly and thus partly close the jaw 5 toward the jaw 4. Then the lever 13 is turned to cause the hub 16 to move toward the head of the bolt which will apply pressure to the movable jaw 5 and cause the same and the jaw 4 to firmly grip the post as shown in Figure 1.

When the device is to be removed from the bolt the lever 13 is turned to release the pressure of the hub on the movable jaw and then the compensating lever is swung out of engagement with the headed part of the bolt so that the jaws can be swung apart and thus release the post.

It is thought from the foregoing description that the advantages and novel features of the invention will be readily apparent.

It is to be understood that changes may be made in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

Having thus described my invention, what I claim as new is:

1. A battery post connecter comprising a body part having a stationary jaw at one end thereof, means for connecting a cable to the body part, a movable jaw pivoted to the body part, a bolt passing through the

jaws, a nut member connected with the threaded end of the bolt, and a compensating lever pivoted to the body part and having a portion for fitting between the head of the bolt and the adjacent side of the body part.

2. Means for connecting a cable with a battery post comprising a body part, a jaw formed at one end of the body part, means for connecting a cable to the other end of the body part, a movable jaw pivotally connected to the body part, a bolt passing through the body part and the shank of the movable jaw, a lever having a hub formed with a threaded bore for engaging the threaded end of the bolt for applying pressure to the movable jaw, a compensating lever pivoted to the body part and having a notch therein for receiving the headed part of the bolt.

3. Means for connecting a cable to a battery post comprising a body part of elongated form and having a substantially semi-circular jaw at one end thereof, a cable connected with the other end thereof, a movable jaw comprising a shank and a substantially semi-circular jaw part for cooperating with the other jaw part for engaging a post, a bolt passing through the body part and through the shank of the movable jaw, a lever having a hub formed with a threaded bore for receiving the threaded end of the bolt, the inner end of the hub contacting the shank of the movable jaw, a compensating lever pivoted to the body part and having a notch therein with a beveled side at each side of the notch for engaging the head of the bolt for forcing the bolt outwardly whereby the notch part will pass over the shank of the bolt adjacent the head.

In testimony whereof I affix my signature.

ARTHUR CONRAD.