Nov. 15, 1938. T. H. HONEY 2,136,850

PROTECTOR FOR ELECTRIC PLUGS

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Fig. 1.

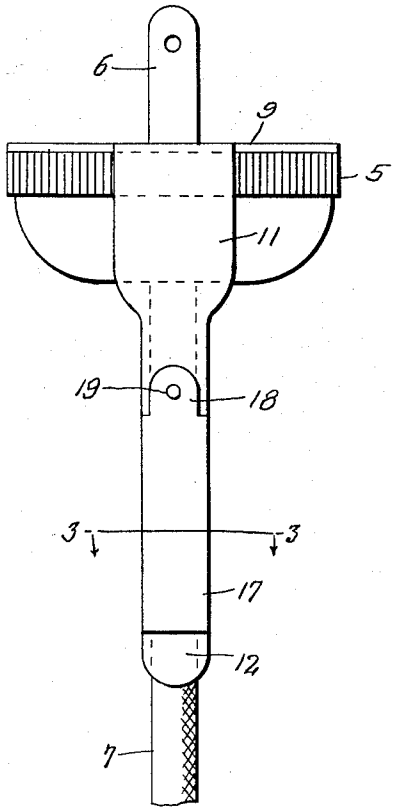
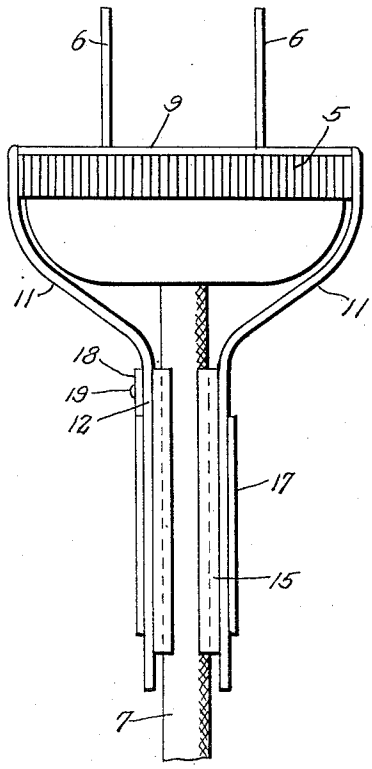


Fig. 2.



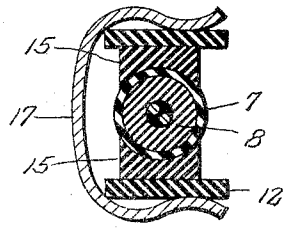


Fig. 3.

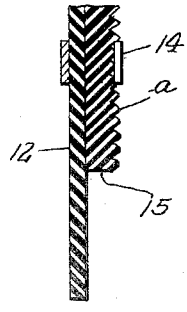


Fig. 4.

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Fig. 5.

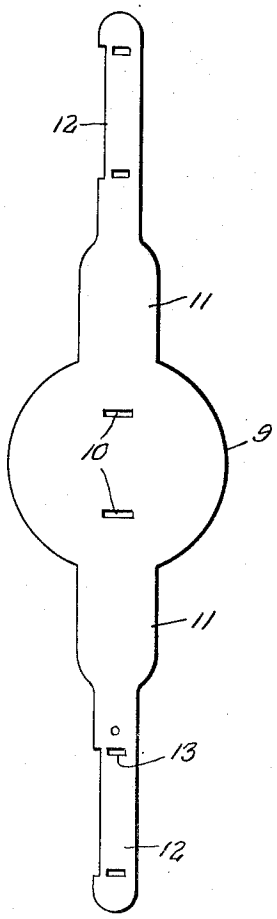
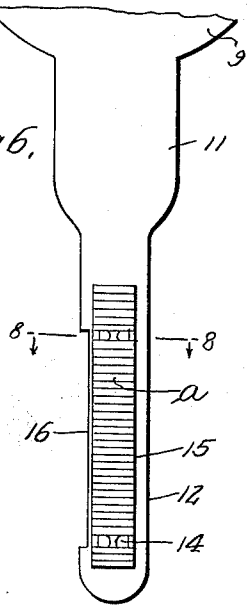


Fig. 6.



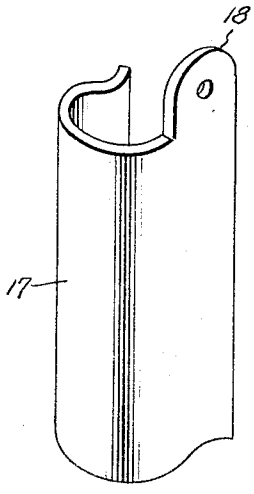
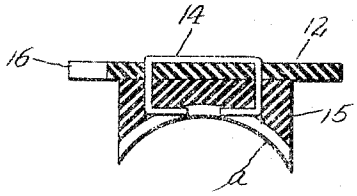


Fig. 7.

Fig. 8.



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UNITED STATES PATENT OFFICE

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PROTECTOR FOR ELECTRIC PLUGS

Thomas Henry Honey, New York, N. Y.

Application March 20, 1937, Serial No. 132,138

1 Claim. (Cl. 173—361)

This invention appertains to new and useful improvements in electrical connectors and more particularly to a protector therefor.

The principal object of the present invention is to provide a protector for electric plugs which will serve to prevent pulling loose of the conductor wires from the plug which frequently causes short circuits and moreover such a condition is hazardous to persons handling the plug.

Other important objects and advantages of the invention will become apparent to the reader of the following specification.

In the drawings:—

Figure 1 represents a side elevational view of the attachment applied to a plug.

Figure 2 is another side elevational view of the attachment applied to a plug.

Figure 3 is a sectional view taken substantially on the line 3—3 of Figure 1.

Figure 4 is a fragmentary detailed sectional view through the attachment.

Figure 5 is a plan view of the attachment in blank.

Figure 6 is a fragmentary plan view of the blank shown in Figure 5 with one of the gripping blocks attached.

Figure 7 represents a perspective view of the spring clip.

Figure 8 is a cross sectional view taken substantially on the line 8—8 of Figure 6.

Referring to the drawings wherein like numerals designate like parts, it can be seen that numeral 5 represent the body of the plug from which extend the prongs 6—6. Numeral 7 denotes the usual cord through which the conductor wires 8 are disposed.

In carrying out the present invention, it can be seen in Figure 5, that the attachment consists of the circular member 9 preferably of fibrous material and, of course, having the property of electricity insulation and in this is the pair of slots 10—10 through which the prongs 6—6 of the plug can project as shown in Figures 1 and 2. Members 11—11 extend from diametrically opposite portions of the circular member 9 and from these extend reduced tongues 12—12 each having openings 13 through which fastening elements 14 can be disposed for securing the elongated rubber blocks 15 to the inner sides of the said tongues 12. Each of these said rubber blocks 15 is provided with transversely extending corrugations *a* for firmly gripping the conductor cord 7 as suggested in Figures 2 and 3.

One longitudinal edge portion of each of the tongues 12 is cut away as at 16 for a distance equivalent to the length of the metallic spring clip 17 which is engageable over the tongues 12 for tensionally urging the said resilient blocks 15 against the cord 7. The clip 17 is provided with the short tongue 18 through which a pin 19 is disposed and into one of the tongues 12 for pivotally supporting the clip 17.

Obviously when desired, the clip 17 can be swung outwardly so that the tongues 12 are freed to permit removal of the attachment. Obviously, the attachment can be replaced and secured with equal ease.

While the foregoing specification sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size and materials may be resorted to without departing from the spirit and scope of the invention as claimed hereinafter.

Having described the invention, what is claimed as new is:—

A protector for electric plugs of the prong type comprising a plate of insulation having openings therein through which the prongs of the plug are disposable, said plate having tongue members adapted to be disposed longitudinally of the usual cord of the plug, and resilient blocks on the inner sides of the tongue members for engagement against the cord, and a spring clip pivotally secured to one of the tongue members and being adapted to embrace both of said tongue members and clamp the resilient blocks against a cord.

THOMAS HENRY HONEY.