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M. E. HARVEY

1,799,747

CLIP FOR ELECTRODES

Filed Feb. 11, 1928

FIG. 1.

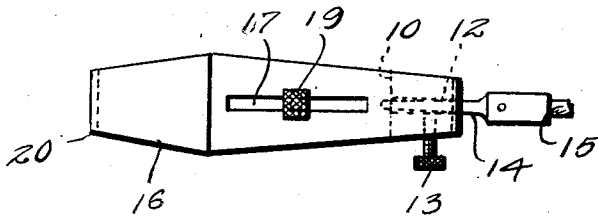


FIG. 2.

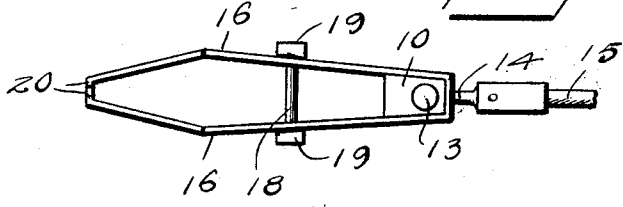


FIG. 3.

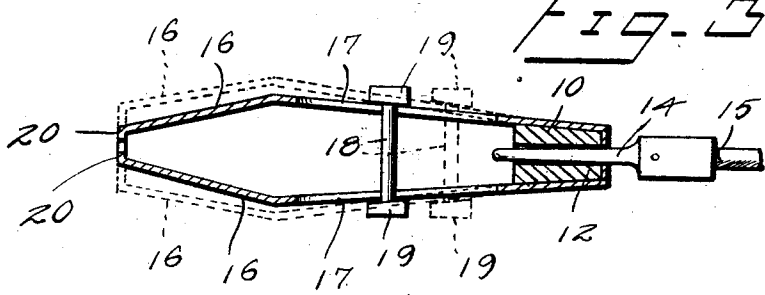
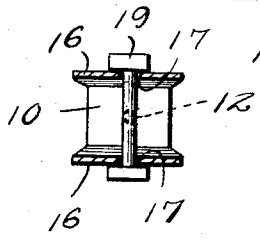


FIG. 4.



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CLIP FOR ELECTRODES

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This invention relates to clips for electrodes and has for an important object thereof the provision of a clip which may be readily and cheaply produced, which is readily attached to a terminal and which will be durable and efficient in service.

A further object of the invention is to provide a construction in a device of this type eliminating, to a great extent, the use of springs as a means for holding the jaws of the clip in engaging position.

These and other objects I attain by the construction shown in the accompanying drawing, wherein for the purpose of illustration is shown a preferred embodiment of my invention and wherein:—

Figure 1 is a plan view of a clip constructed in accordance with my invention;

Figure 2 is a side elevation thereof;

Figure 3 is a longitudinal sectional view therethrough, the clip being illustrated in open position in dotted lines;

Figure 4 is a transverse sectional view through the clip.

Referring now more particularly to the drawing, the numeral 10 indicates a tapering block of metal having means for attaching thereto a cord terminal or lead wire. In the present instance, this block is shown as having a bore 12 centrally of its smaller end and as having directed through one side thereof a clamping screw 13 for engagement with the cord tip 14 of a lead wire 15. Attached to the block at opposite side faces thereof are spring metal strips, generally designated at 16. These strips are bent intermediate their ends and have their greatest width at the bends decreasing in width toward the ends of the strip. The ends of the strips attached to the block are provided with longitudinally extending slots 17 through which is directed a link 18 having heads 19 engaging the outer faces of the strips. The free ends of the strips are provided with opposed preferably dentate flanges 20 for engagement with the member to which the lead 15 is to be connected. It will be obvious that as the slotted portions of the strip 16 diverge from one another, by shifting the link 18 longitudinally of these strips toward the free

ends thereof, these free ends will be forced toward one another, so that the teeth of the flanges 20 will firmly bite into an engaged article. When the link is moved in the opposite direction, the jaws will separate by reason of their own resiliency.

Since the construction hereinbefore set forth is capable of a certain range of change and modification without materially departing from the spirit of the invention, I do not limit myself to such specific structure except as hereinafter claimed.

I claim:—

A terminal clip comprising a tapering body portion, said body portion having a longitudinal opening therethrough whereby to receive the end of a lead wire, a thumb screw threadably mounted in said body and adapted to securely hold said lead wire in said opening, spring strips secured at one end to said body, each of said strips having an elongated slot therein spaced inwardly from the opposite ends thereof, said opening in said body extending longitudinally of said strips, said thumb screw being disposed within said body between said strips, and a link slidably mounted in said slots, the opposite end portions of said link being enlarged whereby to slidably engage therebetween the outer face portions of said strips.

In testimony whereof I hereunto affix my signature.

MOLLEY E. HARVEY.