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W. T. ANDERSON

1,917,683

ELECTRIC PLUG

Filed April 28, 1931

Fig. 1.

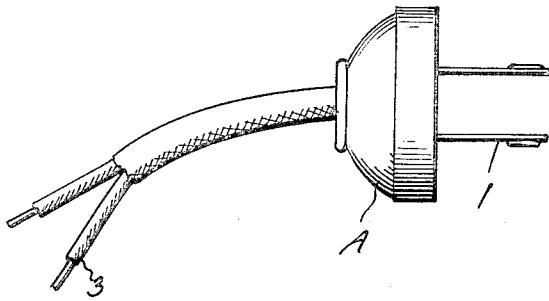


Fig. 3.

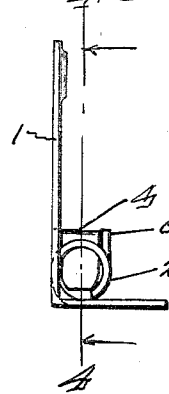


Fig. 2.

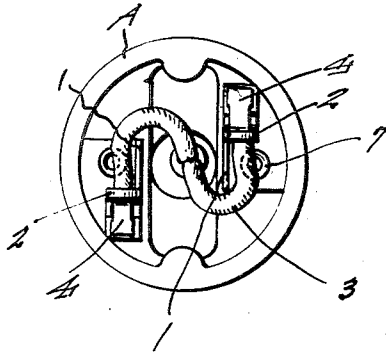


Fig. 4.

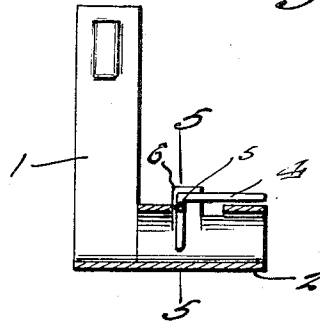


Fig. 6.

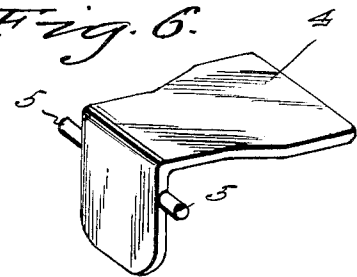
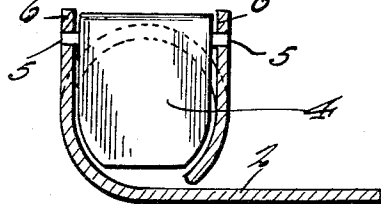


Fig. 5.



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ELECTRIC PLUG

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This invention relates to a plug for electric conductors, the general object of the invention being to provide tubular members located in the plug and having clamping means associated therewith for clamping the ends of the conductor to the tubular members, thus eliminating the use of screws and the like for connecting the ends of the conductors to the plug and also preventing the short circuiting as the tubular members prevent any stray strands of wire of one conductor from contacting the exposed wires of the other conductor.

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 claim.

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 an elevation of a plug section provided with the invention.

Figure 2 is a view looking into said section.

Figure 3 is an edge view of one of the members.

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

Figure 5 is a section on the line 5—5 of Figure 4.

Figure 6 is a perspective view of the clamping member.

In the drawing, each of the tongues or stems 1 of the plug section A is formed with a tubular part 2 at its inner end which extends at right angles from the member 1 and these tubular parts are adapted to receive the ends of the conductors 3 as shown in Figure 2.

An L-shaped clamping plate 4 is pivotally arranged in each tubular part by having its trunnions 5 engaging holes in upstanding portions 6 formed on the tubular part with the short limb of the plate extending into the tubular part and the long limb

extending above said part, the short limb being so formed that when the same is in a position at right angles to the length of the tubular part, its free end will clamp the stripped end of a conductor between itself and the bottom of the tubular part so that the clamping plate acts to hold the conductor in the tubular part and thus eliminate the use of screws or the like for fastening the conductor to a metal part of the plug.

The tubular portion also acts as guard means for the stripped ends of the conductors and prevents short circuiting as any loose strands of wire of one conductor will be prevented from coming in contact with the stripped ends of the other conductor.

Each member is suitably fastened in the plug as shown at 7 in Figure 2. From the foregoing, it will be seen that I have provided simple means for attaching the stripped ends of the conductors to the stems of a plug with means for guarding the stripped ends of the conductors and preventing short circuiting of said conductors.

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 claim.

I claim:

In combination with a plug of the class described, a pair of stem members each formed with a tubular part at its inner end located in and attached to the plug for receiving the ends of conductors and means for attaching the ends of the conductors to said tubular parts, such means comprising a clamping plate pivotally connected to the tubular part, each plate being of L-shape with the short arm extending into the tubular part and its long arm located exterior of said part.

In testimony whereof I affix my signature.
WILLIAM THEODORE ANDERSON.

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