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PATENTED NOV. 6, 1906.

A. H. SVENSSON.
ELECTRIC TERMINAL FIXTURE.
APPLICATION FILED JAN. 8, 1906.

Fig. 1.

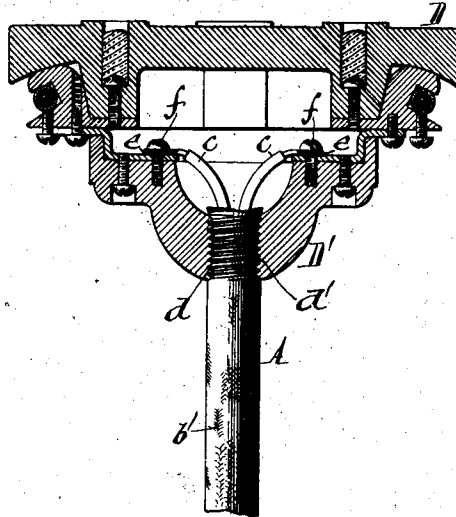
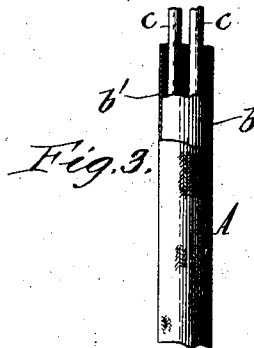
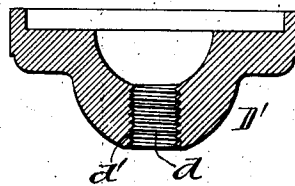


Fig. 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

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ELECTRIC TERMINAL FIXTURE.

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Specification of Letters Patent.

Patented Nov. 6, 1906.

Application filed January 8, 1906. Serial No. 295,087.

To all whom it may concern:

Be it known that I, ARVID H. SVENSSON, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented a new and useful Improvement in Electric Terminal Fixtures, of which the following is a specification.

This invention relates to rosettes and other terminal fixtures used in connection with flexible insulating-cords containing two or more electric conducting-wires, which are inclosed by the usual rubber body of the cord.

Heretofore the insulating-cord has been attached to the terminal fixture by passing it through a smooth opening in the same and then separating the conducting-wires and tying them together to form a knot for confining the cord in the opening. This method of fastening is comparatively slow and involves considerable waste of cord, while the smooth opening in the fixture permits the cord to slide or slip freely in the same, exerting any pull or tension on the cord upon the binding-screws and loosening the wires in the course of time. The braided fabric or outer covering of the cord also ravel in cutting the cord to separate the wires, rendering the attachment unsightly.

The object of my invention is to produce a terminal fixture of this character to which the insulating-cord can be readily and securely attached without unnecessary waste and which effectually prevents slippage of the cord in the opening of the terminal.

In the accompanying drawings, Figure 1 is a longitudinal central section of a rosette embodying the invention, the insulating-cord being shown in elevation. Fig. 2 is a similar section of the cap of the rosette. Fig. 3 is an elevation, partly in section, of a piece of the insulating-cord.

Similar letters of reference indicate corresponding parts throughout the several views.

A indicates the insulating-cord, having the usual rubber or elastic body *b*, which incases the conducting-wires *c c*, and the customary fabric covering *b'*.

D is the base of the rosette, and D' the cap, which may be removably attached to the base by any suitable or ordinary means. The cap is provided with a central opening *d*, through which the cord A passes, and on opposite sides of said opening with internal contacts *e* of any suitable construction,

against which the separated conducting-wires *c* are clamped by screws *f* or other suitable fastenings.

The opening *d* instead of being smooth, as heretofore, is provided with screw-threads *d'*, and the unthreaded insulating-cord is screwed into the opening, which latter is made of such a diameter that its threads compress the soft or elastic body of the cord and embed themselves therein. By this construction the screw-threads firmly resist withdrawal of the cord from the rosette or other terminal fixture, while the binding-screws *f* prevent turning or unscrewing of the cord. The screw-threads not only permit the ready attachment of the cord to the fixture, but also effect an important saving in material by doing away with the knotting of the conducting-wires. At the same time this means of attachment prevents raveling of the braided cord covering, producing a neat and sightly connection without the necessity of binding the cord with tape or coating it with shellac, as heretofore, thus effecting a further saving of time. Moreover, the screw-threads by securing the cord against longitudinal play in the opening of the fixture relieve the screws or fastenings *f* from any pull or tension to which the cord may be subjected, preventing loosening of the conducting-wires and maintaining a reliable contact between the same and the contact-terminals *e*. This non-sliding attachment of the cord also prevents bending, crystallizing, and rupturing of the conducting-wires, while the tight joint afforded by the screw-threads and the compressible cord prevents the entrance into the fixture of metal particles or other conductive dusts liable to short-circuit the wires.

While the improvement is herein shown and described in connection with a rosette, it is equally applicable to attachment-plugs and various other electric fixtures.

I claim as my invention—

1. The combination of a terminal fixture having a screw-threaded opening, a compressible insulating-cord containing a plurality of conducting-wires and screwed into said opening, whereby the threads of the opening confine the cord against longitudinal displacement therein, and fastenings for securing the ends of the conducting-wires in place in the fixture, whereby the cord is prevented from unscrewing, substantially as set forth.

2. The combination of a terminal fixture having a screw-threaded opening, an unthreaded compressible insulating-cord containing a plurality of conducting-wires and
5 screwed into said opening, whereby the threads of the opening embed themselves in the cord and confine it against longitudinal movement in the opening, and fastenings
10 for securing the separated ends of the conducting-wires in place, whereby the cord is prevented from unscrewing, substantially as
set forth.

3. The combination of a terminal fixture having a screw-threaded opening and interior
15 contact-terminals adjacent to the opening,

an unthreaded compressible insulating-cord containing a plurality of conducting-wires and screwed into said opening, whereby the threads of the opening resist longitudinal displacement of the cord in the fixture, and
20 means for securing the ends of the separated conducting-wires to said contact-terminals, whereby unscrewing of the cord is prevented, substantially as set forth.

Witness my hand this 2d day of January, 25
1906.

ARVID H. SVENSSON.

Witnesses:

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