

G. W. GOODRIDGE.
 STRAIN RELIEF FOR ELECTRICAL DEVICES.
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938,313.

Patented Oct. 26, 1909.

Fig. 1.

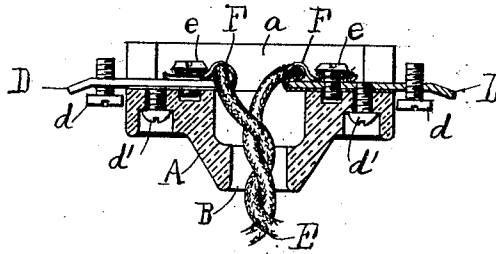
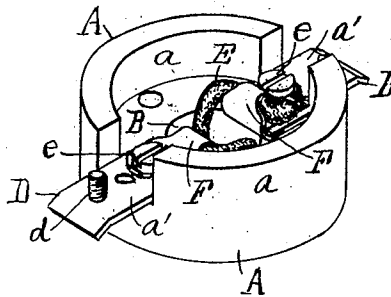


Fig. 2.



WITNESSES

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GILBERT W. GOODRIDGE, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO THE BRYANT ELECTRIC COMPANY, OF BRIDGEPORT, CONNECTICUT, A CORPORATION OF CONNECTICUT.

STRAIN-RELIEF FOR ELECTRICAL DEVICES.

938,313.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GILBERT W. GOODRIDGE, a citizen of the United States of America, and residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented a certain new and Improved Strain-Relief for Electrical Devices, of which the following is a specification.

My invention relates to rosettes, sockets and other electrical devices in which the bared ends of electrical conductors are secured by binding screws to terminal plates, and the object of my invention is to provide such devices with a simple and efficient means whereby the strain on the connection of the wires to the terminal plates may be relieved or taken up, so that there will be no liability of the wires becoming detached therefrom through the strain of a suspended lamp or other pull on the cords.

In the accompanying drawing, I have shown my invention as applied to a simple form of fuseless rosette, but it will be understood that this is for illustrative purposes only, my invention being applicable to various forms of rosettes and also to other electrical devices requiring strain reliefs.

Figure 1 is a vertical section of the rosette; and Fig. 2 is a perspective view of the same. The insulating body A of the rosette has at its rear a peripheral flange a forming a rear chamber for the wires E, E, and the terminal plates D, D, which latter project radially outward through notches a', a', in the flange and have binding screws d, d, for the line wires. These terminal plates D, D, are secured to the insulating body by screws d', d', and are provided with binding screws e to secure the bared ends of the insulated branch wires E, E, to the terminal plates, within the chamber at the back of the rosette. The wires E, E, pass out from the rosette through a central opening B, Fig. 1. In conjunction with the terminal plates

D, D, I provide clamps F, consisting of thin metal strips, secured in place under the plates D, D, and carried around and over the inner ends of the latter and under the heads of the binding screws e, e, as shown, so that covered portions of the conductors E, E, adjacent to their bared ends may be embraced by the clamps and firmly held thereby when the screws e, e are turned down tight. These clamps thus hold the wires with a firm frictional grip on their insulating coverings and take off all direct strain on the wire ends under the screw heads.

I claim as my invention:

1. An electrical device having an insulating body and terminal plates with a strain relief comprising binding screws and clamping devices to embrace and grip the insulated portions of the wires adjacent to the bared ends of the wires held by the binding screws.

2. An electrical device having an insulating body and terminal plates with a strain relief comprising binding screws and clamping strips to embrace and grip the insulated portions of the wires adjacent to the binding screws, the latter securing the clamping strips.

3. An electrical device having an insulating body and terminal plates with binding screws, and clamping strips secured under said plates at one end and extending up over the plates and wires and passing under the heads of the binding screws which secure said wires.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses.

GILBERT W. GOODRIDGE.

Witnesses:

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