

947,878.

H. C. WIRT.
FUSELESS ROSETTE.
APPLICATION FILED JAN. 15, 1902.

Patented Feb. 1, 1910.

Fig. 1.

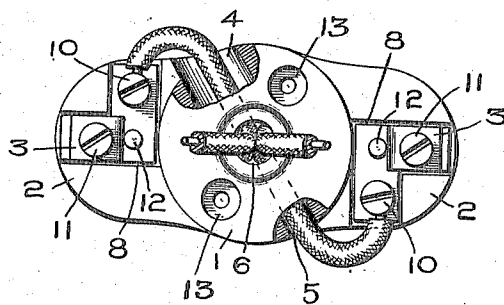


Fig. 2.

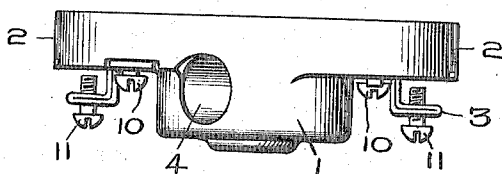
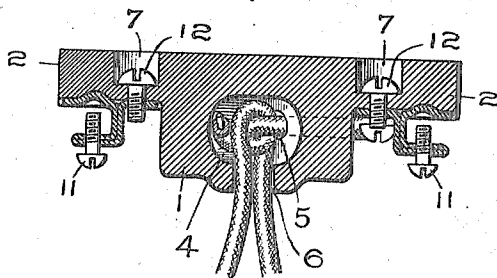


Fig. 3.



Witnesses:

Marcus L. Byng.
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Inventor:

Herbert C. Wirt,

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Att'y

UNITED STATES PATENT OFFICE.

HERBERT C. WIRT, OF SCHENECTADY, NEW YORK, ASSIGNOR TO GENERAL ELECTRIC COMPANY, A CORPORATION OF NEW YORK.

FUSELESS ROSETTE.

947,878.

Specification of Letters Patent.

Patented Feb. 1, 1910.

Application filed January 15, 1902. Serial No. 89,850.

To all whom it may concern:

Be it known that I, HERBERT C. WIRT, a citizen of the United States, residing at Schenectady, county of Schenectady, State of New York, have invented certain new and useful Improvements in Fuseless Rosettes, of which the following is a specification.

My invention relates to fuseless rosettes or devices for connecting a branch electric circuit with the supply mains. These rosettes, or ceiling blocks as they are sometimes called, are made of some insulating material, usually of porcelain, and are provided with poles or contact plates which afford a means for connecting the terminals of the branch wires leading to the lamp or other translating device with the supply mains.

As heretofore constructed rosettes or ceiling blocks have been objectionable either on account of the necessity of removing them from the ceiling in order to inspect or to replace the branch wires, or on account of the difficulty and expense of manufacture.

The object of my invention is accordingly to provide a rosette which shall be easily and cheaply manufactured, and which is adapted for the ready removal and inspection of the branch wires carried thereby.

My invention will be more readily understood by reference to the accompanying drawing, in which—

Figure 1 is a plan of a rosette embodying my invention, parts being shown broken away; Fig. 2 is a side elevation thereof; and Fig. 3 is a longitudinal vertical section.

As shown in the drawing, my invention consists of a single-piece rosette of molded porcelain having a cylindrical center section 1, and projecting ear-pieces 2—2 at opposite sides and provided with the contact-piece or plates 3—3. The center section 1 is transversely chambered by means of a large cylindrical aperture 4 extending along a diameter from one side nearly through to the opposite side thereof, where it connects with the smaller aperture 5 leading inward from the opposite side and adapted to receive a short end of the branch wires. A third aperture 6 is provided at the axis of the said central section and connects at its inner end with the large aperture 4, and is of a size sufficient only for the passage of the branch-wires therethrough. Each of the ear-pieces 2—2

is provided with a screw-hole 7 and a recess 8 for the reception of a binding-piece or plate 3. Each of these binding-pieces or plates 3 consists of an L-shaped strip of metal, the short arm of which is tapped and provided with a binding screw 10 adapted to engage an end of a branch-wire between its head and said plate, and the other arm of which is folded upon itself, as shown in Fig. 3 of the drawing, and provided with a binding screw 11 adapted to engage a supply main between its end and the end of plate 3. The plates 3 are also provided with tapped holes at their elbows to receive screws 12 carried in the holes 7, whereby said plates 3 are secured to said ear-portions. The central section 1 is also provided with countersunk holes 13—13 for the screws whereby the rosette is secured in place. The branch-wires are connected to my rosette by being passed through apertures 4 and 6, the knot being drawn through said aperture 4 to its inner end and engaged and supported by the walls about aperture 6; the short end of one wire passing through aperture 5 and that of the other wire passing out through aperture 4, and both ends connected each to its respective binding screw 10.

It is to be noted that a single-piece rosette of the foregoing construction provides for ready inspection and insertion or removal of the branch-wires, and at the same time the several apertures and cavities are so arranged therein that it may be molded in porcelain or similar insulating material with great facility and economy.

Rosettes as herein set forth may be made of ceramic material in molds of well known construction which are provided with transversely movable members for forming the cord apertures and adapted to be withdrawn endwise from the sides of the molded article prior to its removal from the mold.

I do not desire to restrict myself to the particular form or construction of the rosette herein described and shown, since it is apparent that they may be changed and modified without departing from my invention.

What I claim as new, and desire to secure by Letters Patent, is:—

1. A rosette for supporting knotted branch-wires comprising a single piece of ceramic insulating material provided with

a straight transverse aperture of sufficient size to receive said knot, with a central aperture connecting with the transverse aperture, and of a size to receive only the said branch-wires, and with means for making contact between wires.

2. A rosette for supporting knotted branch-wires comprising a single piece of insulating material provided with a transverse cylindrical aperture of sufficient size to receive said knot, with a central longitudinal aperture connecting with said transverse aperture and of a size to receive only the said branch-wires, and with means for making contact between wires.

3. A rosette for supporting knotted branch-wires comprising a single piece of insulating material having a cylindrical center section provided with a transverse aperture of uniform section and of a size sufficient to receive said knot, with a central aperture at one end of said section connecting with the said transverse aperture and of a size to receive only the said branch-wires, and with ear-pieces integral with said central section and provided with wire contact pieces.

4. A rosette for supporting knotted

branch-wires comprising a single piece of insulating material having a cylindrical center section provided with a transverse aperture extending from one side into proximity to the opposite side and of sufficient size to receive said knot, with a second transverse aperture connecting with the first and of a size to receive a single wire, with a central longitudinal aperture connecting with the first and of a size to receive said branch-wires, and with ear-pieces on opposite sides of said central section and provided with wire contact pieces.

5. A rosette for supporting knotted branch wires comprising a single piece of insulating material having a central boss and side ears, a transverse cylindrical aperture extending partly across said boss out of alinement with said ears, a central axial aperture joining the inner end of said transverse aperture, and contact pieces secured to said ears.

In witness whereof, I have hereunto set my hand this 13th day of January, 1902.

HERBERT C. WIRT.

Witnesses:

BENJAMIN B. HULL,
MARGARET E. WOOLLEY.