

W. A. BONNELL.
 OUTLET BOX.
 APPLICATION FILED AUG. 31, 1914.

1,207,705.

Patented Dec. 12, 1916.

FIG. 1

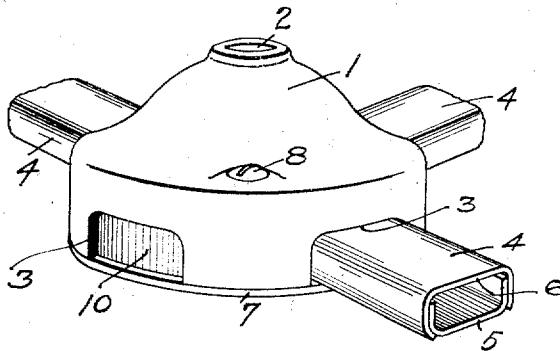


FIG. 2

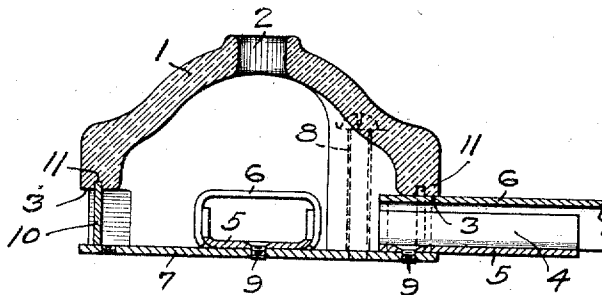
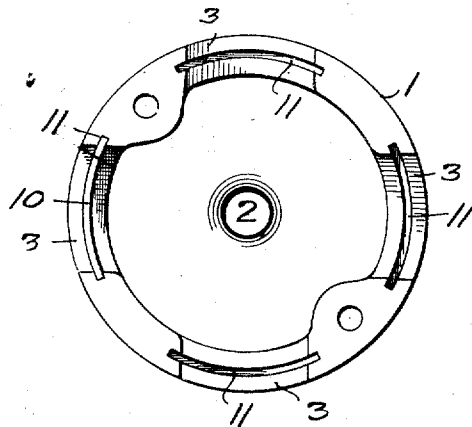


FIG. 3



WITNESSES.

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UNITED STATES PATENT OFFICE.

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OUTLET-BOX.

1,207,705.

Specification of Letters Patent.

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Application filed August 31, 1914. Serial No. 859,388.

To all whom it may concern:

Be it known that I, WILLIAM A. BONNELL, a citizen of the United States, and resident of New York city, in the county of New York and State of New York, have invented a new and useful Improvement in Outlet-Boxes; and I do hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to an electric outlet box or what is commonly known as a rosette, which is adapted to be fixed to a wall, ceiling or other support for the convenient leading out of electric connections. Devices of this character are usually provided with several inlet openings for conduits which lead the conductor into the rosette. It frequently happens that the number of circuits led into the rosette is less than the number of openings with which the rosette is provided, and in order to render the device perfectly safe, it is necessary to close the unused openings in order to prevent access of moisture or dust to the interior of the rosette, which might cause short circuiting of the electric connections therein. It is also necessary to so mount the closures or what are commonly known as the knock-out disks in the openings of the rosette that they may be readily removed when it is desired to utilize more of said openings. My invention, therefore, relates particularly to the construction and manner of mounting these outlet disks in the rosette.

With this object in view, the invention consists in the construction and arrangement of parts a preferred embodiment of which is illustrated in the accompanying drawing, is which—

Figure 1 is a perspective view of a rosette embodying my invention; Fig. 2 is a vertical section of a rosette; and Fig. 3 is a bottom plan view thereof with the base plate removed.

In the embodiment of the invention herein selected for illustration, 1 indicates a rosette of ordinary and usual form, and as usual, composed of porcelain. The rosette is provided with the outlet opening 2, and with a plurality, here four in-number, of inlet openings 3, for the reception of the ends of conduit moldings such as 4. These conduits may be of any desired form, but as here shown each consists of a base or body portion 5, and a cover portion 6. The bottom of the rosette is closed by a metal plate or disk

7, which is attached thereto by means of screws 8, extending down between the conduit opening 3. The body portion of the conduit may be secured to the base plate 7 by means of screw 9.

In order to maintain the unused conduit receiving opening 3 closed against access of moisture and dust, I provide closer plates or knock-out disks 10 for each opening. These are made of substantially the shape, but of somewhat larger area than the opening, and the side and top walls of each opening are provided with grooves such as 11 into which the knock-out disks 10 may be sprung, or if the base plate has not yet been attached, these plates may be slid into place. It is to be understood that these knock-out disks are formed of some flexible material such as resilient sheet metal or the like non-combustible material and that they are sufficiently flexible or pliable so that they may be flexed or bent by suitable tongs or other tool for insertion in the openings and when inserted in the openings or removed therefrom, the walls of the openings will not be cracked or otherwise broken or abraded.

While I have shown herein a preferred embodiment of my invention, it is to be understood that the same may be altered in construction and arrangement of parts within the scope of the appended claims.

What I claim is:

1. An electric outlet comprising a body portion having an outlet opening and one or more conduit receiving inlets, the walls of each of said inlets being grooved and a knock-out disk for each inlet adapted to be sprung into the groove thereof to close the inlet, and a base plate for the device.

2. An electric outlet device comprising a body portion of porcelain or like material, having an outlet opening and having a plurality of conduit receiving inlets, a bottom plate for said device having means for securing the conduits thereto, the walls of each of said conduit openings being grooved, a closure plate for each inlet of greater area than that of the inlet and adapted to be sprung into closing position with its edges held in said groove.

3. An electric outlet device comprising a hollow body portion, having an outlet opening at the top and an open bottom, a closure plate at the bottom of said device, the lower edge of said body portion having a plurality

- of notches or recesses for receiving conduits, a closure plate for each of said conduit openings of greater area than of said openings and curved to conform to the curvature of the side wall of said body portion, the walls of said conduit openings being grooved to receive the edges of said closure plates and to removably hold said plates in position therein.
- 5 10 4. An electric outlet comprising a body portion having an outlet opening and one or more conduit receiving inlets, the walls of each of said inlets being grooved and a closure plate for each inlet adapted to be sprung into the groove thereof to close the inlet, and a base plate for the device.
- In testimony whereof I, the said WILLIAM A. BONNELL, have hereunto set my hand.
- WILLIAM A. BONNELL
- Witnesses:
- ELFREDA B. PHILIPP,
GERTRUDE M. SCHNEIDER.