

No. 858,700.

PATENTED JULY 2, 1907.

L. W. BOSSERT.

OUTLET BOX.

APPLICATION FILED APR. 26, 1906.

Fig. 1.

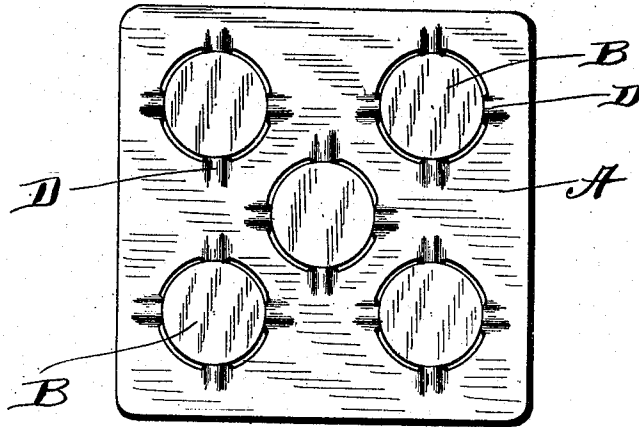


Fig. 2.

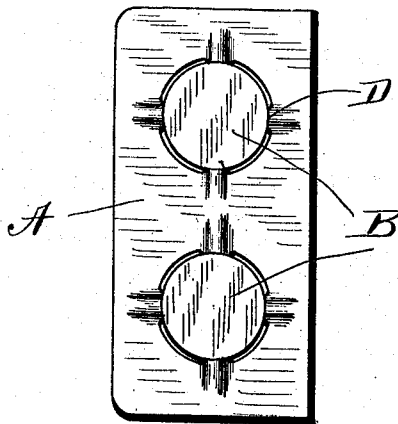
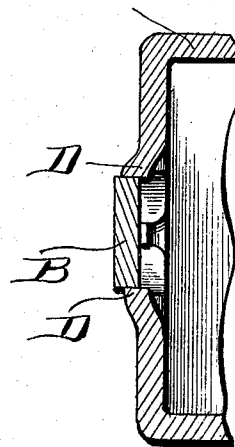


Fig. 3.



Witnesses
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OUTLET-BOX.

No. 858,700.

Specification of Letters Patent.

Patented July 2, 1907.

Application filed April 25, 1906. Serial No. 313,650.

To all whom it may concern:

Be it known that I, LEON W. BOSSERT, a citizen of the United States, residing at Utica, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Outlet-Boxes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in outlet boxes, and the object of the invention is to produce a box of this nature in which the movable disks are held to the box without contact with the marginal opening in the wall from which the plug is cut. Heretofore, it has been common in making boxes of this nature to punch disks from the box and cause the surrounding marginal wall of the aperture from which the plug is partially cut to be expanded, whereby the plug may be frictionally held as a temporary closure to the aperture and which plug may be removed at any time when it is desired to run electric wires into the box, the retaining of the plugs temporarily within their apertures forming a water-tight box. I have found from experience, however, that there are certain objections to this manner of making boxes, and hence it is the aim of the present invention to provide means consisting of integral ribs which are struck up from the side of the box and made to engage the marginal edges of the plug preferably outside the box.

My invention consists in various other details of construction and arrangements of parts which will be hereinafter fully described and then specifically defined in the appended claims.

I illustrate my invention in the accompanying drawings, in which:—

Figure 1 is a bottom plan view of a box showing plugs which have been severed from the bottom of the box and held by means of lugs which are struck up from the box. Fig. 2 is a side view of a box made in accordance with my invention, and Fig. 3 is a sectional view through a box showing the lugs in engagement with the disk.

Reference now being had to the details of the drawings by letter, A designates a box which is preferably struck up from a sheet of steel and having a series of removable plugs B which are cut by any suitable die mechanism, preferably being forced outward from the box and entirely free from the marginal edges of the apertures from which the plugs are cut. Before, how-

ever, the plugs are cut, a series of lugs D are struck up from the metal of the box, said lugs projecting preferably from the outer surface of the box. The plugs being severed from the box, the lugs are expanded so as to frictionally engage the circumferences of the plugs at different locations with sufficient frictional force to securely hold the plugs against accidental displacement.

It will be noted from the foregoing, in connection with the drawings, that the disk is entirely free from the marginal outline of the aperture from which the plug is cut and held entirely by the lugs which project from the wall of the box, as illustrated. While I have shown my invention with the lugs projecting from the outer surface of the box, which I deem a preferable form, still it will be understood that the plugs may be driven in either direction, if desired, and the lugs may project from the inner surface of the box, the essential feature of the invention being the holding of the plug solely by means of the ends of the lugs independent of the marginal wall of the aperture.

When it is desired to enter a conduit from any side of the box, a plug or plugs may be easily removed by imparting a sharp blow thereto which will disconnect the same from the engaging lugs.

What I claim is:—

1. An outlet box having a series of removable plugs entirely severed from the wall and held in place by means of lugs projecting from the wall of the box outside the margin of the opening from which the plugs are cut, as set forth.

2. An outlet box having a series of removable plugs which are severed from the metal of the box, a series of lugs struck up from the box about the margins of the apertures from which the plugs are cut and expanded outside the marginal openings from which the plugs are cut and frictionally engaging the marginal edges of the plugs, as set forth.

3. An outlet box having a series of plugs which are cut from the wall thereof, a series of lugs struck up from the metal of the box and adapted to frictionally engage the circumferences of the plugs and hold the portion of the circumference of each lug within the aperture from which it is cut and without frictional contact with said marginal edge, as set forth.

4. An outlet box having a series of removable plugs which are cut from the wall thereof and projecting outside the box, lugs struck up from the box and projecting beyond the outer surface thereof and adapted to frictionally engage the circumferences of said plugs, whereby the plugs may be held partially within the apertures from which they are cut but without frictional contact with the marginal edges of the openings, as set forth.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

LEON W. BOSSERT.

Witnesses:

DORRIS H. COLEGROVE,
J. A. GOLDSTONE.