

W. P. CARSTARPHEN, JR.
 SWITCH AND CUT-OUT BOX.
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1,018,297.

Patented Feb. 20, 1912.

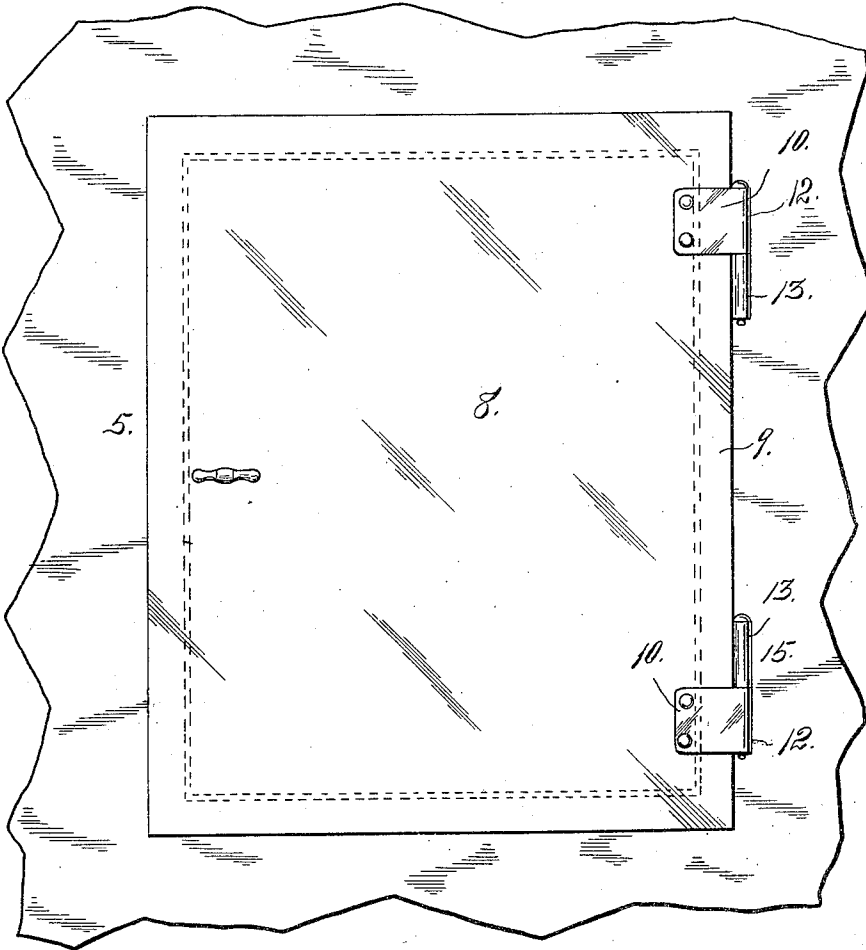
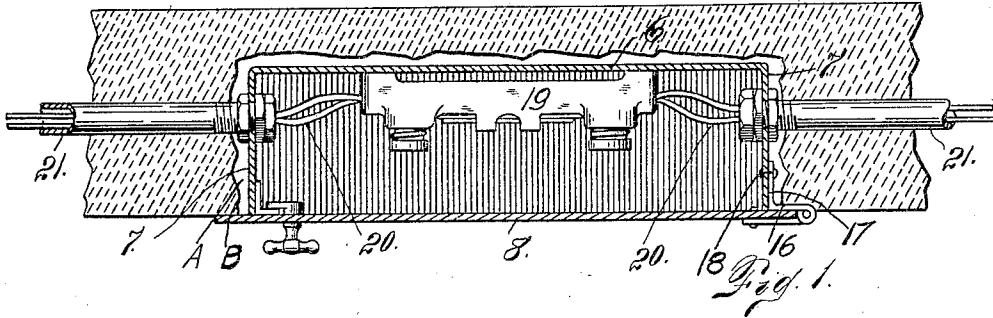


Fig. 2.

Witnesses

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UNITED STATES PATENT OFFICE.

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SWITCH AND CUT-OUT BOX.

1,018,297.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM P. CARSTARPHEN, Jr., a citizen of the United States, residing in the city and county of Denver and State of Colorado, have invented certain new and useful Improvements in Switch and Cut-Out Boxes; and I do 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.

My invention relates to improvements in a box adapted to contain fuse blocks or other electrical apparatus normally concealed, but which must be accessible at times for repair or other purposes. Boxes of this character are usually set in a recess formed in the wall of the room where they are located and the object of my present invention is to conceal the rough edges of the wall surrounding the said recess; and to this end I provide a cover for the box of such character that its outer edge projects beyond the body of the box on all sides and thus conceals the opening when the lid of the box is closed. In order that this projection of the cover or lid, on the hinged side of the box may be practicable, a special hinge construction is required. It is evident that if this lid were hinged in the ordinary way, the projecting edge would dig into the wall during the opening movement of the lid and form a recess for the entrance of the said projecting edge, unless the wall were sufficiently solid to prevent such operation, in which last named event, the lid could not be opened.

Having briefly outlined my improved construction, I will proceed to describe the same in detail, reference being made to the accompanying drawing in which is illustrated an embodiment thereof.

In this drawing, Figure 1 is a section taken through my improved box cutting the wall in which the box is set. Fig. 2 is a front view of the same with the lid in the closed position.

The same characters indicate the same parts in all the views.

Let the numeral 5 designate a box having a bottom 6, a surrounding wall 7 and a lid 8. This lid projects beyond the body of the box on all sides and its projecting part 9 on the hinged side, is provided with a flat hinge member 10 formed into an eye 12 registering with an eye 13 formed in a hinge member 15 having parts 16 and 17 extending at right angles to each other, the part 17 being secured to the vertical wall of the box as shown at 18, while the part 16 projects outwardly from the box to the eye 13. As shown in the drawing, the lid is connected with the box by two hinges of the character just described.

As illustrated in the drawing a number of devices 19 are shown located within the box simply for the purpose of illustrating the function of the latter. It may be assumed that these devices are fuse blocks. From each extremity of each of these blocks leads a pair of wires or conductors 20 which pass out of the box and extend therefrom through a tube 21. As these features are not a part of my invention, they will not be further described in detail.

From the foregoing description, the use of my improved box will be readily understood.

The recess in which the box is located is designated A, and the ragged edge of the wall around the recess is designated B.

The object of the lid as heretofore described, is to conceal the ragged edge B, as illustrated in Figs. 1 and 2 of the drawing.

Having thus described my invention, what I claim is:

In combination, a box for concealing electrical devices, the said box being set in a recess formed in a wall so that its outer edges shall be flush with the surface of the said wall, a lid applied to the said box and projecting beyond the edges thereof on all sides far enough to cover the rough edges of the wall, the body of the box having a right-angle bracket, one member of the bracket being secured to the wall of the box on one side, and the other member projecting beyond the same, flush with the outer surface

of the wall to form a hinge member, the lid
having a cooperating hinge member, the
axis of the hinge being located just beyond
the projecting portion of the lid and ex-
5 tending parallel with the wall and just out-
side the said wall, whereby as the lid swings
outwardly from the plane of the wall during
its opening movement, its projecting por-

tion, on the hinge side, swings free of the
wall, substantially as described. 10

In testimony whereof I affix my signa-
ture in presence of two witnesses.

WILLIAM P. CARSTARPHEN, JR.

Witnesses:

JESSIE HOBART,

A. EBERT O'BRIEN.