Aug. 10, 1943. J. BIERENFELD 2,326,282

ENCLOSURE

Original Filed Dec. 1, 1937

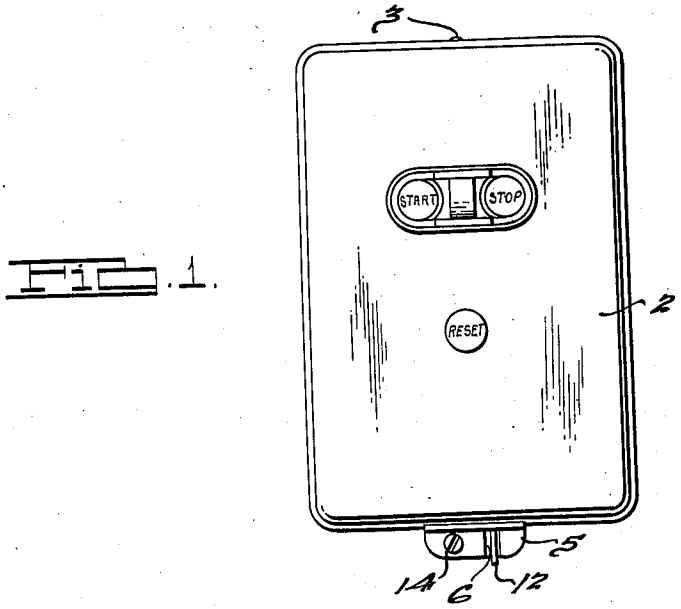



Fig. 1.

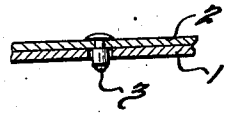



Fig. 3.

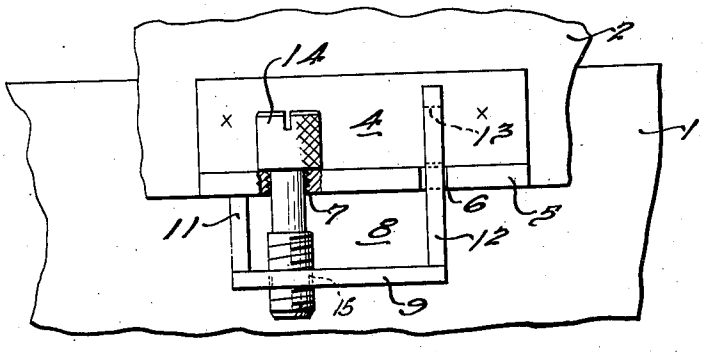



Fig. 2.

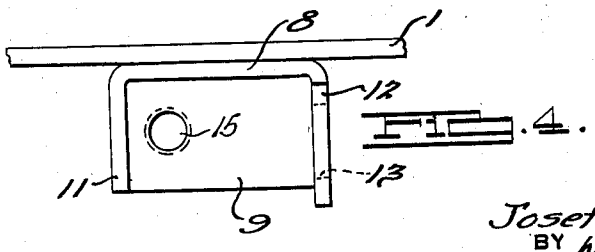



Fig. 4.

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# UNITED STATES PATENT OFFICE

2,326,282

## ENCLOSURE

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Original application December 1, 1937, Serial No. 177,409. Divided and this application January 31, 1941, Serial No. 376,775

3 Claims. (Cl. 292—301)

This invention relates to an enclosure for devices such as electric circuit controlling instrumentalities, and is a division of application Serial No. 177,409, filed December 1, 1937, for Electric switch, now Patent No. 2,254,768 dated September 2, 1941.

The object of this invention is the provision of an improved form of holding and securing means for the removable cover of the enclosure which shall be simple and inexpensive, easily manipulated, and securely hold the cover in place on the enclosure.

Other objects and features of this invention will be readily apparent to those skilled in the art from the following specification and appended drawing illustrating certain preferred embodiments of the invention in which:

Figure 1 is a front elevational view of a box or enclosure according to the present invention.

Figure 2 is an enlarged partial bottom view of the lower holding means.

Figure 3 is a partial sectional view adjacent the top of the enclosure showing the means for holding the top of the cover in place.

Figure 4 is a partial plan view of the lower part of the box with the cover removed.

The box enclosure comprises the outer enclosing box 1, having a removable cover 2. The top wall of the box is provided with an opening which receives a pin 3 rigid with the top of the cover and cooperating with the holding and retaining means to be hereinafter described to maintain the cover in position. This means comprises a bracket mounted on the bottom portion of the cover and L-shaped in cross section, the arm portion of the L, as at 4, being welded or otherwise rigidly secured to the cover and having integral therewith the foot portion 5 provided with a slot 6 and an opening 7. Upon the outside bottom wall of the box is rigidly secured a member somewhat scoop shaped in character and having a top portion 8 rigidly secured to the box and having integral therewith a back portion 9 and side portions 11 and 12. The side portion 12 extends through the slot 6 and at its front portion is provided with an opening 13 adapted for the reception of a lock hasp or other locking means. A stud 14 has a reduced portion loosely received within the opening 7 and is threaded into an opening 15 in the back portion 9 serving to draw the cover into its secured and held position against the forward edge of the side portion 11. The operation of this holding and securing means is readily apparent, the top portion of the cover being maintained in place by the engagement of the pin 3 within its cooperating opening and the bottom portion thereof being securely held by the clamping of the portion 5 against the front edge of the side portion 11 by means of the stud 14. When the stud is detached from the portion 9, the bottom portion of the cover may be opened partially and the cover then moved a slight distance upwardly to disengage the pin 3, after which it may be removed.

While certain preferred embodiments of the invention have been specifically disclosed, it is understood that the invention is not limited thereto as many variations will be readily apparent to those skilled in the art and the invention is to be given its broadest possible interpretation within the terms of the following claims.

What is claimed is:

1. In an enclosing box for an electrical instrumentality having an openable cover, locking means for said cover including cooperating brackets on said box and cover, said cover bracket having a downwardly depending portion in a plane parallel to the back of the box, said box bracket having spaced depending portions in parallel planes at right angles to the back of the box, one of said projections being longer than the other and adapted to extend through a slot in the depending portion on the cover bracket and provided with an opening for the reception of locking means, and means for drawing said cover bracket depending portion against said second depending portion on the box bracket as an abutment to rigidly secure the cover in place.

2. In an enclosing box for an electrical instrumentality having an openable cover, locking and securing means for said cover including a depending portion on said cover in a plane parallel to the back wall of the box, and a depending portion on said box having a portion thereof parallel to said cover depending portion and two spaced portions at right angles to said first two portions, a screw extending through said first depending portion and threaded into said second mentioned portion, one of said spaced portions extending through a slot in said first mentioned portion and providing means whereby the cover may be positively locked in place, the second of said spaced portions comprising an abutment against which said first mentioned portion is clamped by said screw.

3. In an enclosing box for an electrical instrumentality having an openable cover, a releasable attachement for said cover including a bracket on said cover having a projecting portion par-

allel to the back wall of the box, and a projection on said box including a portion parallel to said first mentioned projection and spaced portions at right angles thereto, one of said spaced portions serving as an abutment against which said first mentioned projection is clamped, means cooperating with said first mentioned projection and said first mentioned portion on said second projection for effecting such clamping or securing action, the second spaced portion being elongated to extend through a slot in said first mentioned projection and having provision thereon for the reception of means for positively locking the cover against removal.

JOSEF BIERENFELD.