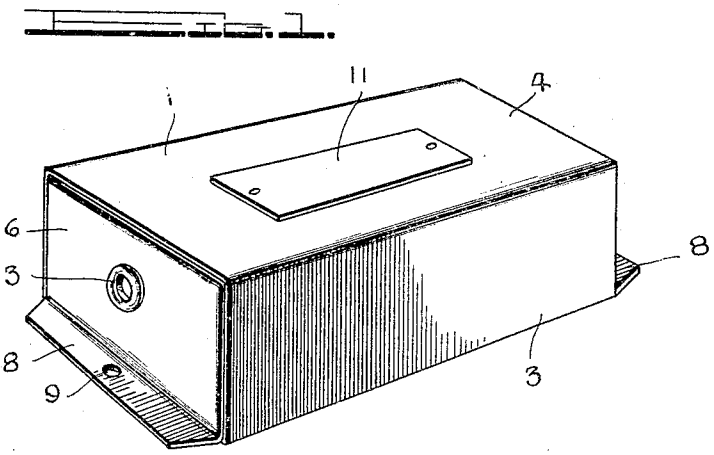
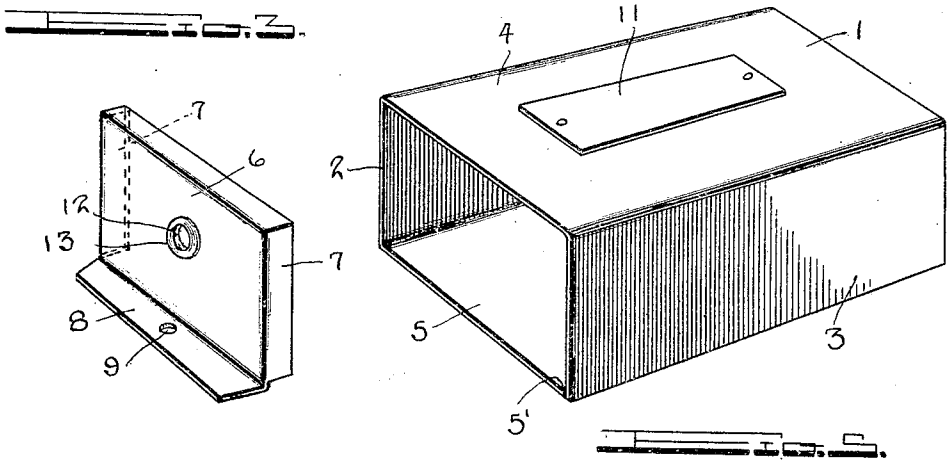
A. R. MEACHAM.

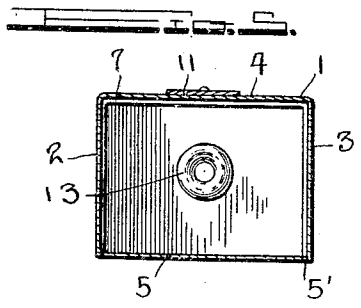
HOUSING FOR ELECTRIC APPARATUS.

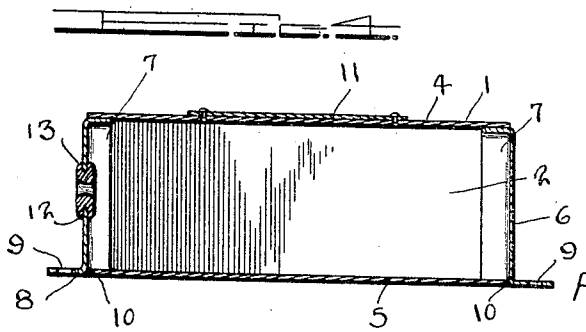
APPLICATION FILED MAR. 18, 1916.

1,257,375. **Patented Feb. 26, 1918.**









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UNITED STATES PATENT OFFICE.

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HOUSING FOR ELECTRIC APPARATUS.

1,257,375. Specification of Letters Patent. Patented Feb. 26, 1918.

Application filed March 18, 1916. Serial No. 85,050.

To all whom it may concern:

Be it known that I, ALDAH R. MEACHAM, a citizen of the United States, residing at Oklahoma city, county of Oklahoma, and State of Oklahoma, have invented certain new and useful Improvements in Housings for Electric Apparatus, of which the following is a specification.

My invention relates to housings for electric apparatus.

The objects of my invention are to provide a housing or casing of the class mentioned which shall be moisture tight and which shall be made of few parts that may be made and assembled without difficulty and at a low cost. Other objects will appear hereinafter.

With these objects in view my invention consists generally in providing a rectangular housing of sheet metal, the top, bottom and sides being formed of a single rectangular blank and the ends being each formed of a single blank having three of its edges bent inwardly and extended within the body portion of the housing to which they are soldered and with the fourth or bottom edge bent outwardly and perforated to provide means for securing the housing in position. The end of the bottom wall of the housing is soldered to the adjacent end wall completing a moisture proof housing. My invention also contemplates providing in a housing as mentioned an aperture in one of the walls for the purpose of passing the conductors to the interior of the casing and equipping the same with a wax or rubber bushing to seal the device at this point. My invention further consists in various details of construction and arrangement of parts all as will be fully described hereinafter and particularly pointed out in the claims.

My invention will be more readily understood by reference to the accompanying drawing forming a part of this specification, and in which—

Figure 1 is a perspective view of a housing embodying my invention in its preferred form,

Fig. 2 is a similar view of the body portion with the ends removed,

Fig. 3 is a perspective view of one of the end members,

Fig. 4 is a vertical central longitudinal section, and

Fig. 5 is a vertical transverse section.

Referring now to the drawings 1 indicates the body of the housing formed of a single rectangular blank bent upon parallel lines forming the two sides 2 and 3 and the top and bottom 4 and 5 respectively. The edge of the bottom 5 abuts the inner face of the side 3 at its lower edge, as shown in Figs. 2 and 5, and is securely soldered thereto as at 5′.

Each end comprises a rectangular member 6 of substantially the size of the body portion 1 in cross section and the member 6 is provided with flanges 7 formed integrally therewith and bent at substantially right angles thereto to extend within the body portion 1. These flanges 7 are formed on the side and top edges of the member 6 and are co-extensive in length therewith to insure a tight joint throughout their extent. At its lower edge the member 6 is provided with an out turned flange 8 which lies in a plane with the bottom 5 and is provided with an aperture 9 to receive fastening means for securing the housing in position. The lower edge of the member 6 is soldered to the adjacent edge of the member 5 as at 10.

The housing above described is formed of but three rectangular pieces, one of which is bent to form the body portion and the other two constitute the ends, the edges of the end members being bent to constitute the flanges 7 and 8 for securing the ends in the body portion and for attaching the same in position. 11 indicates a name plate or label.

In order to allow suitable connection of the apparatus within the casing with exterior devices the housing is provided in one of its walls, preferably an end wall, with an aperture 12 which is equipped with an insulating bushing 13 formed of wax, rubber, or other suitable material.

The device is preferably formed of sheet metal of sufficient gage to render the same sufficiently rigid for the purpose intended and it is obvious that the same may be manufactured at a low cost, thereby providing a cheap yet efficient moisture proof housing for electric apparatus.

I claim:—

1. A housing for electric apparatus comprising top, bottom and sides formed of a single rectangular blank bent to shape, with the edges soldered together and a pair of end members soldered to the end edges of the body portion, said ends being provided with out turned flanges in a plane with said bottom and said flanges being perforated to re-

ceive securing means, substantially as described.

2. A housing for electric apparatus comprising top, bottom and sides formed of a single rectangular blank bent to shape, with the edges soldered together and a pair of end members having inturned flanges at their sides and top extending within and soldered to the adjacent walls of the body portion and an integrally out turned flange on the lower edge, said lower edge being soldered to the adjacent ends of the bottom, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALDAH ROBINSON MEACHAM.

Witnesses:

GEO. P. GLAZE,

FRANK BROADWELL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."