C. H. THORDARSON.

CASE FOR TRANSFORMERS AND THE LIKE.

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1,288,752.

Patented Dec. 24, 1918.

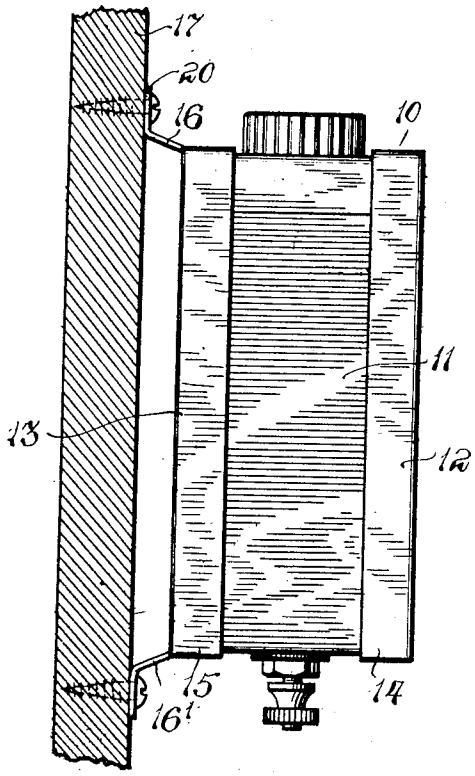

Fig. 1

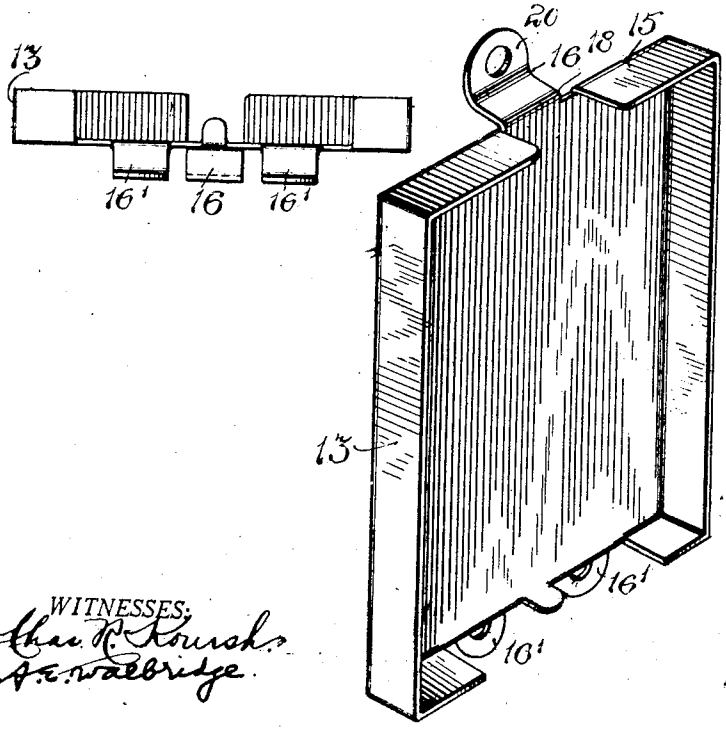

Fig. 2

WITNESSES:

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UNITED STATES PATENT OFFICE.

CHESTER H. THORDARSON, OF CHICAGO, ILLINOIS.

CASE FOR TRANSFORMERS AND THE LIKE.

1,288,752. Specification of Letters Patent. Patented Dec. 24, 1918.

Application filed January 22, 1917. Serial No. 143,877.

To all whom it may concern:

Be it known that I, CHESTER H. THORDARSON, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Cases for Transformers and the like; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form a part of this specification.

This invention relates to a novel case for small electrical transformers, such as bell ringing transformers and refers more specifically to novel means of forming attaching lugs on the case by which to attach the case to a support.

It is the practice, and is required, to space the transformer case away from its support by means of suitable fastening devices so as to permit circulation of air between the case and its support.

It is the purpose of this invention to produce an exceedingly simple, economical and efficient form of attaching lugs by which the case is attached to the support and the invention consists in the combination and arrangement of the parts shown in the drawings, and described in the specification, and is pointed out in the appended claims.

In the drawings:

Figure 1 is a side elevation of a transformer case, embodying my invention.

Fig. 2 is a perspective view of one wall of the case on which the attaching lugs are formed.

Fig. 3 is an end view of said wall.

The case 10, which is made of sheet metal, comprises a main body 11, opened at both ends, and two end wall members 12, 13, which are provided with flanges 14, 15 that overlap the body 11 of the case at its open ends.

16 and 16′, 16′ designate lugs for attaching the case to a support, as the vertical wall 17. In accordance with the present invention the said lugs are formed principally of material cut away from the rim 15, said material being left integral with the end wall of the case along the lines 18 at which the lugs are joined to said end wall. The terminals of said lugs are turned outwardly to form feet 20, which are apertured to receive fastening screws.

Preferably, and as herein shown, the wall plate 13 is provided with three attaching lugs, one at one end and two at the other end, giving three point support for the case. The manner of forming the lugs from the case wall shown and described produces an exceedingly strong and rugged lug with the use of but little more metal than is required to form the flange or rim 15 of the end wall, and the removal of the metal from said flange or rim to produce the lugs does not to any appreciable extent weaken the attachment of the flanged end wall to the body of the case. Furthermore, the method shown of producing said lugs is an exceedingly economical one, there being no parts required to be attached by rivets or like fastening devices. Moreover, the work required to produce lugs is entirely a die or swaging operation: therefore the labor cost of producing the device is greatly lessened.

I claim as my invention:

1. A case for transformers and like electrical devices, comprising an open ended sheet metal body and a sheet metal cover fitted over the open end of the body, and formed with flanges that externally telescope over the body walls, said cover being provided at opposite ends with attaching lugs formed principally from the metal of the flanges of said cover at opposite ends thereof and turned outwardly at an angle to said cover in a direction opposite to said flange.

2. A sheet metal wall for a case of the character set forth provided with an integral surrounding flange adapted to externally telescope over the case and which has interruptions at opposite ends of the wall, said wall being provided at said interruptions with integral attaching lugs disposed at angles to the wall and extending in directions opposite to the flange and located wholly in rear of said flange.

In witness whereof I claim the foregoing as my invention, I hereunto append my signature in the presence of two witnesses at Chicago, Illinois, this 10th day of January, 1917.

CHESTER H. THORDARSON.

Witnesses:
W. L. HALE,
A. E. WALBRIDGE.