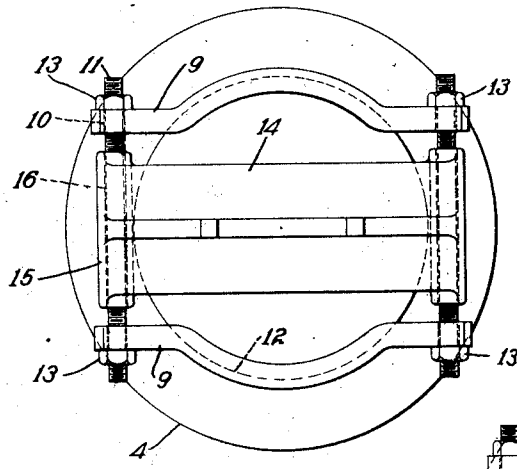
Oct. 12, 1926. 1,602,873

H. K. ANSINGH

SUPPORT FOR ELECTRICAL FIXTURES

Filed July 13, 1922

Fig. 1.



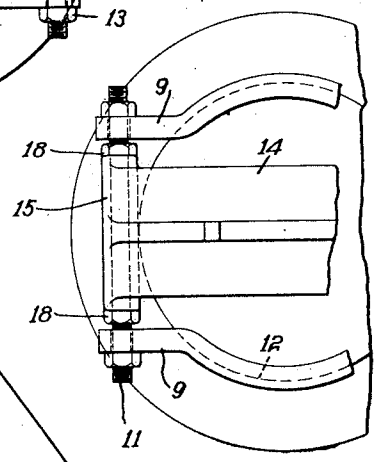
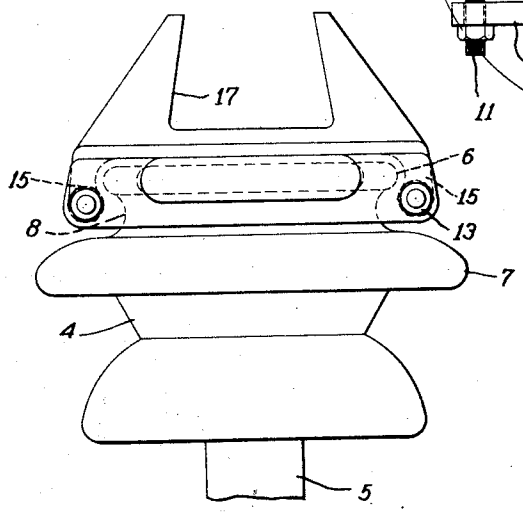


Fig. 3.

Fig. 2.



WITNESSES:

H. B. Funk.

J. H. Harding.

INVENTOR

Herman K. Ansingh

BY

Wesley G. Carr

ATTORNEY

Patented Oct. 12, 1926. 1,602,873

UNITED STATES PATENT OFFICE.

HERMAN K. ANSINGH, OF MURRYSVILLE, PENNSYLVANIA, ASSIGNOR TO WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, A CORPORATION OF PENNSYLVANIA.

SUPPORT FOR ELECTRICAL FIXTURES.

Application filed July 13, 1922. Serial No. 574,695.

My invention relates to supports for electrical fixtures and particularly to supports for attaching electrical fixtures, such as bus bars, switch jaws, fuse blocks, etc., to pin-type insulators.

One object of my invention is to provide a support for attaching electrical fixtures to pin-type insulators that is capable of lateral adjustment with respect to the insulator in order that the supports on a plurality of insulators may be alined, regardless of irregularities in the relative positions of the insulators.

Another object of my invention is to provide a fixture support of the character above described that is simple in construction and which may readily be applied to standard pin-type insulators of different dimensions. Insulators of standard type vary slightly in diameter and it is, therefore, necessary to provide a fixture support that may be applied to the insulator, regardless of irregularities incident to manufacture.

These and other objects, that will be made apparent throughout the further description of my invention, are attained by means of the apparatus hereinafter described, and illustrated in the accompanying drawings, wherein:—

Figure 1 is a plan view of the improved fixture support;

Fig. 2 is an elevational view of a support shown in Fig. 1, and

Fig. 3 is a fragmentary plan view showing a modified form of fixture support.

Referring to the drawings, an insulator 4 of the pin-type is shown mounted upon threaded insulator pin 5. The insulator is provided with a usual attaching bead 6 and an apron 7, the construction providing an annular groove 8 between the bead and the apron.

The fixture support comprises a pair of clamp members 9 that are provided with perforations 10 adjacent to their ends for receiving clamping bolts or rods 11 that extend through both of the clamp members and are disposed on opposite sides of the insulator, as indicated in Figs. 1 and 2. The clamp members are preferably made of malleable iron and are provided with grooved seats 12 for engaging the annular bead 6 on the insulator. Threaded nuts 13 serve to draw the clamp members into firm clamping engagement with the bead in such manner that rotation of the clamp members about the axis of the insulator is prevented, as well as any longitudinal movement of the clamp members with respect to the insulator.

A fixture support member 14, preferably made of malleable iron, extends across the top of the insulator and is provided, at its ends, with depending flanges 15 having perforations 16 extending therethrough for receiving the bolts 11 that are disposed on opposite sides of the insulator. The perforations 16 are of slightly greater diameter than the bolts and permit of lateral movement of the support member 14 along the bolts between the clamp members.

The length of the flanges 15 is less than the normal distance between the ends of the clamp members when the latter are in operative relation to the insulator and, therefore, the support member 14 may be adjusted laterally with respect to the insulator for the purpose of alining it with supports attached to adjacent insulators. Where the support member 14 is used for supporting switch-jaw members, it will be seen that the switch jaws may be positioned to accommodate a switch blade that may be slightly out of alinement. Bus bars may be mounted upon the support and maintained in parallel relation, regardless of irregularities in the positions of associated insulators.

The support member 14 is provided with a slotted web 17 that may be of any preferred standard form which is adapted to receive either bus bars, switch jaws, or fuse blocks, such equipment being provided with attaching means adapted to fit the form of web indicated. However, any preferred attaching device may be employed.

In Fig. 3 I have shown a modified form of clamping mechanism wherein the support member 14 and the clamp members 9 are substantially identical with those shown in Figs. 1 and 2, the only difference in construction being the provision of locking nuts 18 that are disposed between the ends of the flanges 15 and the clamp members 9. By reason of this construction, the support member 14 may be fixed in any predetermined position within the limits of movement of the support member between the clamp

members. Switch jaws mounted upon the support member 14 may, therefore, be alined with the co-operating blade and fixed in the adjusted position by means of the locking nuts 18. The clamp member is simple in construction, there being no threaded holes in the clamp or support members.

While I have illustrated and described but two embodiments of my invention, it will be apparent to those skilled in the art that various changes, modifications, substitutions, additions and omissions may be made in the apparatus illustrated without departing from the spirit and scope of my invention, as set forth in the appended claims.

I claim as my invention:—

1. A supporting clamp for electrical fixtures comprising a pair of clamp members for engaging a support between them, threaded rods for connecting the clamp members and a fixture-receiving member adjustably mounted upon the rods for movement therealong between the clamp members.

2. A supporting clamp for electrical fixtures comprising a pair of clamp members for engaging a support between them, means for connecting the ends of the clamp members and for drawing them into clamping engagement with the support, and a fixture-receiving member slidably mounted upon the said means.

3. A supporting clamp for electrical fixtures comprising a pair of clamp members for engaging a support between them, threaded rods for connecting the ends of the clamp members for drawing the latter into clamping engagement with the support, and a fixture-receiving member mounted upon the rods between the clamp members, and means co-operating with the rods for retaining the last said member in a predetermined position.

4. In a supporting clamp for electrical fixtures, the combination with an insulator having an annular bead thereon, of a support member comprising a pair of clamp members having depressions for engaging the said bead and preventing displacement of the clamp members longitudinally of the insulator, means for drawing the clamp members into engagement with the bead on the insulator and a fixture-receiving member slidably mounted upon the said means.

In testimony whereof, I have hereunto subscribed my name this 10th day of July, 1922.

HERMAN K. ANSINGH.