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CONDUIT SUPPORT

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The present invention relates broadly to supports, and more particularly to supports adapted for cooperation with a structural member for the securing in position of conduits and the like. The terms "structural member" and "conduit" are herein used generically as words of definition and not as words of limitation.

It has heretofore been proposed in the art to which this invention relates to provide conduit supports adapted to be clamped in position on a structural member for holding a conduit in a position substantially parallel to one of the edges thereof. It has also been proposed to provide supports adapted to secure conduits at substantially right angles to one of the faces of a structural support, such, for example, as an angle iron or the like.

I have found that in many cases it is necessary to mount a conduit at right angles to the edge of a structural member such as a plate, beam or angle iron. The present invention provides a support by means of which such a mounting can be effectively obtained, and this constitutes one of the objects of the invention.

A further object of the invention is to provide a support in which the parts constituting the support may be clamped in position by a single clamping means, such as a bolt, and in which the bolt effects a relative rotation between the clamp members as well as a drawing together thereof, whereby the support is clamped in position on the structural member simultaneously with the clamping of the conduit in position.

In the accompanying drawings there is shown, for purposes of illustration only, a preferred embodiment of the present invention, it being understood that the drawings do not define the limits of my invention as changes in the construction and operation disclosed therein may be made without departing either from the spirit of the invention or the scope of my broader claims.

In the drawings—

Figure 1 is a perspective view of a portion of a structural member having my improved

support in position thereon and in clamping relation to a section of conduit;

Figure 2 is an end elevation of the construction shown in Figure 1;

Figure 3 is a back view of the support itself;

Figure 4 is a bottom view of the support; and

Figure 5 is an inside plan view of one of the clamps constituting the support.

In the accompanying drawings, for the purpose of illustrating my invention, I have shown a structural member in the form of an angle iron 2; the angle iron being so mounted as to receive the conduit support on its vertical flange 3. It will be understood, however, that other forms of structural members may be utilized, and that the invention is not limited in connection with the characteristics or positioning of the structural member.

The improved support constructed in accordance with the present invention comprises a clamp member A and a clamp member B adapted to be positioned on opposite sides of the vertical flange of the supporting member. When so positioned the conduit engaging jaws *a* and *b* on the clamp members A and B, respectively, lie in substantially the plane of the vertical flange of the structural member and in such position as to receive a section of conduit C therebetween. It will be noted that the jaw *a* is offset with respect to the main body of the clamp A, and that the jaw *b* is offset with respect to the main body of the clamp B, the jaws being offset in opposite directions, whereby they assume overlapping relationship when the support is positioned with respect to a structural member.

The clamp B is formed with spaced teeth 4 and 5, and the clamp A is formed with a tooth 6, all of which teeth are adapted to firmly engage the structural member and prevent slipping of the support. Preferably, the tooth 4 comprises a hardened steel insert, as has been heretofore proposed in the art, although such a construction is not essential. The tooth 6 preferably lies substantially intermediate the planes of contact

