W. H. VIBBER.

SWIVEL CONDUIT CAP FOR ELECTRIC INSTALLATION.

APPLICATION FILED NOV. 1, 1919.

1,407,308. Patented Feb. 21, 1922.

Fig. 1.

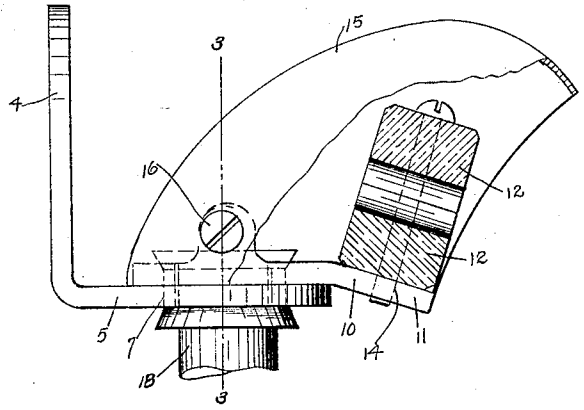


Fig. 3.

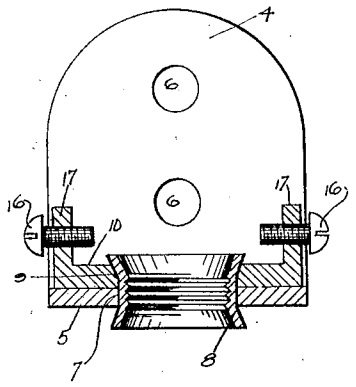
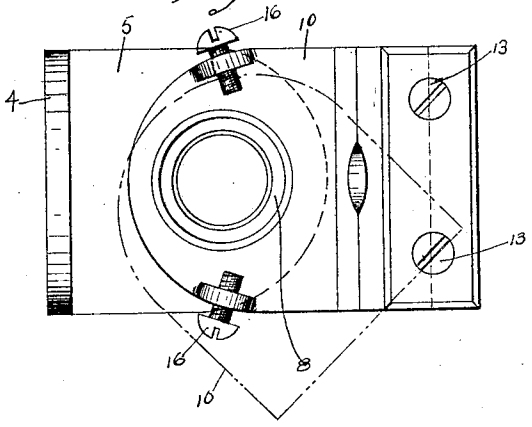


Fig. 2.



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UNITED STATES PATENT OFFICE.

WHEELER H. VIBBER, OF NEW LONDON, CONNECTICUT, ASSIGNOR OF ONE-HALF TO THE GILLETTE-VIBBER CO., OF NEW LONDON, CONNECTICUT, A CORPORATION.

SWIVEL CONDUIT CAP FOR ELECTRIC INSTALLATION.

1,407,308. Specification of Letters Patent. Patented Feb. 21, 1922.

Application filed November 1, 1919. Serial No. 334,993.

To all whom it may concern:

Be it known that I, WHEELER H. VIBBER, a citizen of the United States, residing at New London, in the county of New London and State of Connecticut, have invented a new and useful Improvement in Swivel Conduit Caps for Electric Installation; and I do hereby declare the following, when taken in connection with the accompanying drawings, and the characters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this application, and represent, in—

Fig. 1, a view partly in side elevation and partly in vertical section of a swivel conduit-cap embodying my invention.

Fig. 2, a plan view thereof, the swivel cleat-carrier being shown by broken lines in one of its deflected positions.

Fig. 3, a view in vertical section on the line 3—3 of Fig. 1.

My invention relates to an improved conduit-cap for electric installation of the type adapted to be supported by an adjacent building or other convenient support rather than by the conduit-pipe itself and also adapted to take the entire strain of the service wires, the object of my present invention being to produce a simple, cheap and convenient fixture in which the cleat-carrier thereof swivels with respect to the bracket thereof so that it accommodates itself in position to the character of the strains imposed upon the fixture by the wires or cable.

With these ends in view my invention consists in a conduit-cap having certain details of construction and combinations of parts as will be hereinafter described and pointed out in the claims.

In carrying out my invention as herein shown, I employ a one-piece angular bracket consisting of a vertical mounting or suspension-arm 4 and a horizontal bracket-arm 5, these arms standing at the right angle to each other and the bracket being made by preference of very heavy sheet metal. The suspension-arm 4 is furnished with bolt-holes 6 by means of which the fixture is bolted directly to the vertical wall of a building or to a pole or to some other convenient point of support adjacent to the conduit-pipe 18 which, under my invention, is relieved of the weight and strain imposed by the fixture. The horizontal bracket-arm 5 of the fixture is formed with a large circular hole 7 located near its outer end and receiving the lower end of an internally threaded sleeve 8, constituting a swivel and adapted in internal diameter to receive the threaded upper end of the pipe 6. The upper end of the sleeve 8 passes through a circular hole 9 formed in the inner portion of a cleat-carrier 10, the inner end of which bears upon the upper face of the arm 5 and the outer end of which is downwardly inclined as at 11 to adapt it to freely shed water. Upon the said end 11 of the cleat-carrier, I mount two insulating cleats or blocks 12 of any approved construction, these being clamped upon the wires or cable and secured in place by screws 13 passing downward through them and entering threaded holes 14 in the said end of the cleat-carrier. The upper and lower ends of the threaded sleeve 8 are swaged so as to secure the carrier 11 to the arm 5 as shown in Fig. 3, so that when the sleeve 8 is screwed upon the pipe 6, the cleat-carrier 11 will be free to turn upon the upper end of the said sleeve, as upon a swivel. The upper end of the pipe 6 and the cleats or blocks are enclosed and protected by an outwardly raked sheet metal hood 15 secured in place by screws 16 entering upstanding lugs 17 formed upon the inner end of the cleat-carrier 11. In the use of my improved fixture the cleat-carrier turns one way or the other according to the direction of the strain upon the wires or cable, whereby the device is made, as it were, to accommodate itself to such strains, thus avoiding the too abrupt bending as well as the chafing of the coverings of the wires or cable.

I claim:

1. A conduit-cap for electric installation, having a rigid bracket, a swivel-member mounted upon the bracket, said bracket and swivel members including means adapting the conduit-cap to be applied to a conduit-pipe and to be fastened to a fixed support, and wire-gripping means mounted upon the said swivel-member, whereby the same turns in accordance with the direction of the strains upon the wires and whereby such strains are transmitted by the said rigid bracket to the fixed support thereof and the conduit-pipe relieved of strains.

2. A conduit-cap for electric installation,

having a rigid wall-bracket comprising a vertical and a horizontal arm, a swivel-member located upon the horizontal arm, and a cleat-carrier swiveled upon the said member.

3. A conduit-cap for electric installation, having a bracket provided with a sleeve internally threaded for the reception of one end of a pipe-conduit, and a cleat-carrier swiveled upon one end of the said sleeve.

4. A conduit-cap for electric installation, having a rigid bracket, a sleeve mounted therein, a cleat-carrier swiveled upon the upper end of the said sleeve, and a hood mounted upon the said carrier and turning therewith.

5. A conduit-cap for electric installation, having a rigid bracket comprising a vertical and a horizontal arm, means for connecting the horizontal arm of the bracket to a conduit, a cleat-carrier swiveled upon the upper face of the said horizontal arm and having its outer end downwardly inclined, and cleats mounted upon the said downwardly inclined end of the carrier.

6. A conduit-cap for electric installation, having a bracket comprising a vertical and a horizontal arm, means for connecting the horizontal arm of the bracket to a pipe-conduit, a cleat-carrier swiveled upon the said horizontal arm and formed with an upstanding arm, and a hood attached to the said arm and turning with the cleat-carrier.

7. A conduit-cap for electric installation, having a bracket, an internally threaded sleeve mounted therein, a cleat-carrier swiveled upon the projecting upper end of the said sleeve, cleats mounted upon the said carrier, and a hood covering the upper end of the said sleeve and the said cleats.

8. A conduit-cap for electric installation, having a bracket comprising a vertical and a horizontal arm, of which the former is adapted to be attached to a contiguous vertical surface, an internally threaded sleeve mounted in the horizontal arm of the bracket and adapted to receive a pipe-conduit, a cleat-carrier swiveled upon the projecting upper end of the said sleeve, cleats mounted upon the said carrier, and a removable hood attached to the carrier and turning therewith.

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

WHEELER H. VIBBER.

Witnesses:
ELSIE H. DABOLL,
M. P. THAYER.