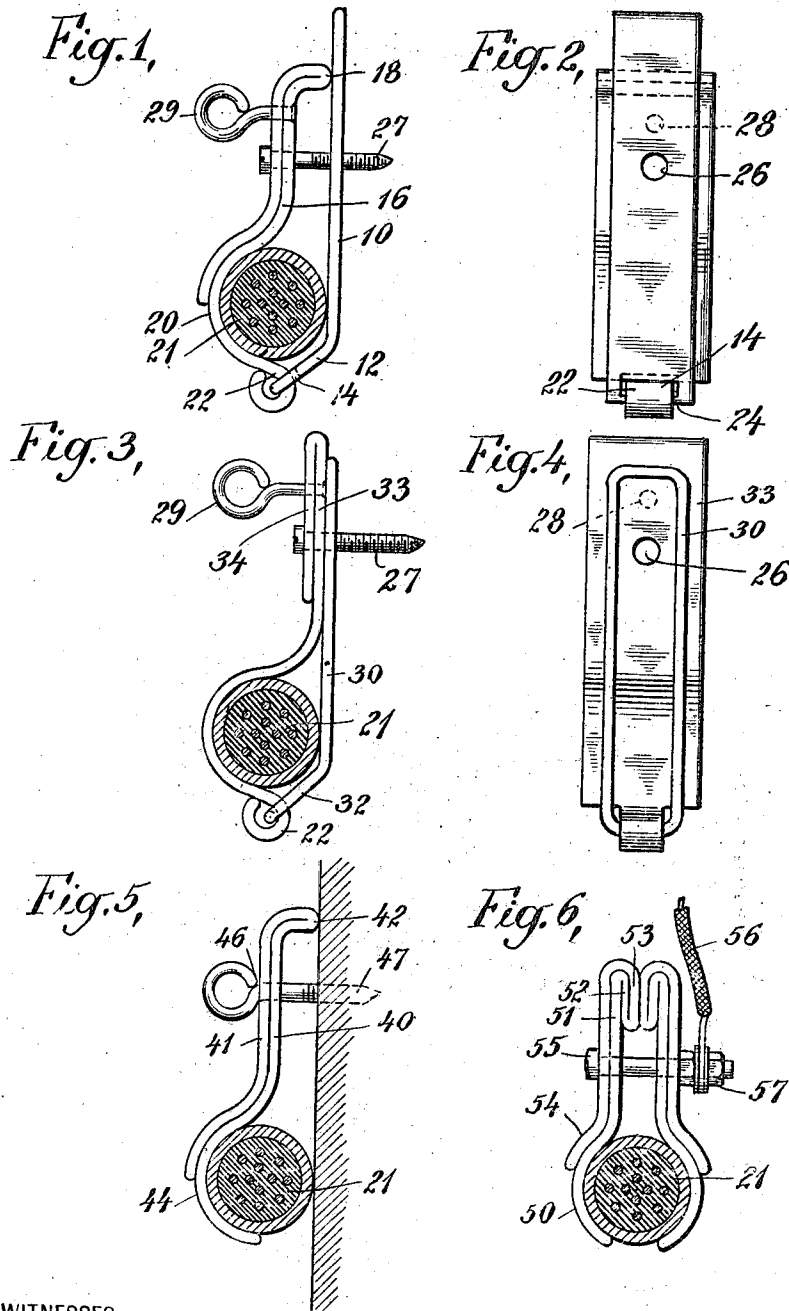


J. E. OGDEN.
CABLE CLAMP.
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1,060,014.

Patented Apr. 29, 1913.



WITNESSES:

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CABLE-CLAMP.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN EDWARD OGDEN, a citizen of the United States of America, and a resident of Brooklyn, county of Kings, and State of New York, have invented certain new and useful Improvements in Cable-Clamps, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof.

This invention relates to devices for hanging or supporting electric cables and wires along the faces of walls, ceilings, fences or other structures.

The object of the invention is to provide a simple and inexpensive device which has advantages over those which have heretofore been in use.

I will describe my invention in the following specification and point out the novel features thereof in the appended claims.

In the accompanying drawing, Figure 1 is a side elevation of one embodiment of the invention. Fig. 2 is a rear elevation of the same. Fig. 3 is a side elevation of a modified form of the invention. Fig. 4 shows the same device in rear elevation. Fig. 5 is a side elevation of still another modified form of the invention. Fig. 6 shows how two of the clamps like those shown in Fig. 5 with but slight modification, may be used as a ground clamp.

Like reference characters indicate corresponding parts in all of the figures.

As illustrated in Figs. 1 and 2 the hanger comprises a sheet metal base plate 10, having a forwardly inclined lower end 12 provided with a slot 14. A clamp is arranged to cooperate with the base plate and comprises a sheet metal strap 16 bent back upon itself for a portion of its length, and having its doubled upper end bent at substantially right angles to form a lateral projection or toe 18 adapted to engage the base plate 10. The strap 16 is formed with a substantially semi-circular bend 20 which is adapted to fit the exterior of a cable 21. The lower end of the clamp is formed with an ear 22 which is held in the slot 14 and bent into an eye to surround a bar 24 at the lower edge of the base plate 10 and form therewith a hinge joint. The upper or doubled portion of the clamp is provided with a hole 26 for receiving a screw 27 or other securing means whereby the hanger is secured to a support. The doubled portion of the clamp is also provided with a screw threaded hole 28 into

which a correspondingly threaded screw eye 29 may be screwed. This screw eye is adapted to support a wire in the customary manner.

As illustrated in Figs. 3 and 4, the hanger comprises a base member 30 having its lower end 32 forwardly inclined. A clamp is arranged to cooperate with the base member and comprises a sheet metal strap, somewhat wider than the loop 30, bent back upon itself to form a double flat portion 33, 34 adapted to engage said base member. The clamp is then bent into a substantially semi-circular form to fit the exterior of the cable 21, and its lower end is formed with an ear 22 which is bent into an eye to surround the lower end of the base member 32. The doubled portions 33, 34 are provided with holes 26, 28 for receiving screws 27 and screw eyes 29, as already explained. These forms of cable clamp are of very simple construction and have the advantages of having their own bases and of being easily set up. This is because the cable is naturally held in the loop or pocket formed between the two members of the clamp while it is being set up.

As illustrated in Fig. 5 the hanger comprises a clamping member formed of a sheet metal strap bent upon itself for a portion of its length to form flat portions 40, 41, and the doubled upper end is bent at substantially right angles to form a lateral projection or toe 42 adapted to engage the support upon which the cable is carried. The lower portion of the clamping member is curved at 44 to conform to the exterior of the cable 21. A hole 46 is provided in the doubled portion 40, 41 to receive a securing member 47 with which the hanger is affixed to a support. This securing member may be a screw as shown in the other two modifications, described above, or it may be a screw eye. In the latter instance this member is adapted to perform the double function of securing the hanger in place and of holding a wire in place. This form is extremely simple and yet is entirely effective for accomplishing the result for which it was designed.

The ground clamp illustrated in Fig. 6 comprises two clamp members much like that shown in Fig. 5 each of which is formed of a piece of strap metal a part 50 of which is bent to fit about the outside of a cable, pipe or conduit. The rest of the metal is bent up to form a comparatively flat shank

51, then in and back upon itself as at 52, 53 to form a lateral projection or toe, and then down over the shank 51 and a portion of the curved part 50, at 54 to reinforce these parts. Two of these clamp members are to be used held together by a bolt 55, which draws the two clamp members toward each other and to which an electrical conductor 56 may be connected by means of nuts 57.

10 What I claim is:

1. A hanger for supporting a cable against a surface comprising a clamp having one end bent to partially encircle the cable and its other end formed with an inwardly projecting toe adapted to space the intermediate portion from the surface, and means acting against said intermediate spaced portion between said bent portion and said toe for pressing the toe against the surface along a line parallel with the cable and the bent portion against the cable whereby the cable is supported under clamping pressure.

20 2. A hanger for supporting a cable against a surface comprising a bent body portion adapted to partially encircle the cable, an inwardly projecting toe parallel with the axis of the bent portion adapted to rest against the surface and space the intermediate portion therefrom, and a threaded member adapted to draw the aforesaid spaced intermediate portion of the hanger toward the surface to thereby press the toe

against the surface along a line parallel with the cable and the bent portion against the cable whereby the cable is supported under clamping pressure. 35

3. A hanger for supporting a cable against a wall or similar surface comprising a base member having a portion adapted to lie against said surface and having its lower end deflected away from said surface, a separate clamping member pivotally attached to said deflected lower end of the base member, curved to partially encircle the cable, and provided with an inwardly extending toe at its outer end and means to press the toe against the base member and clamp the cable in position. 40 45

4. A hanger for supporting a cable against a wall or similar surface comprising a base member having a portion adapted to lie against said surface, a separate clamping member pivotally mounted on said base member, said clamping member being adapted to partially encircle the cable and having an inwardly projecting toe for engaging the base member, and means to hold the clamping member in engagement with the cable and with said base member. 50 55

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Witnesses:

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