Oct. 25, 1927. 1,647,008

W. H. LAWRENCE

WIRE OR CORD HANGER

Filed July 18, 1924

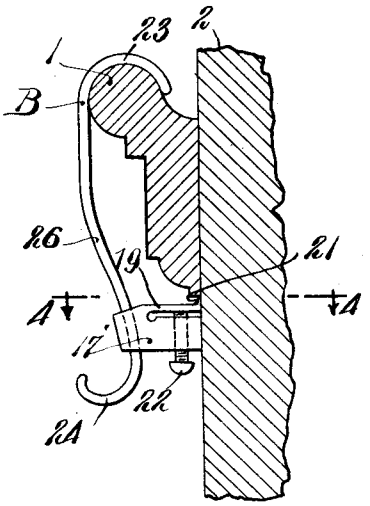


Fig. 3

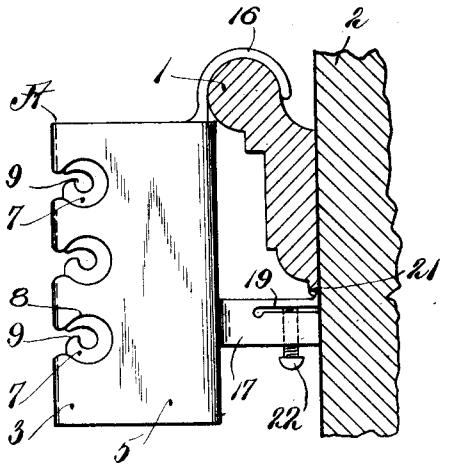


Fig. 1

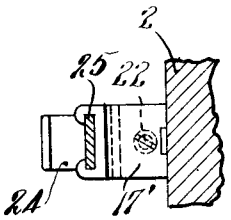


Fig. 4

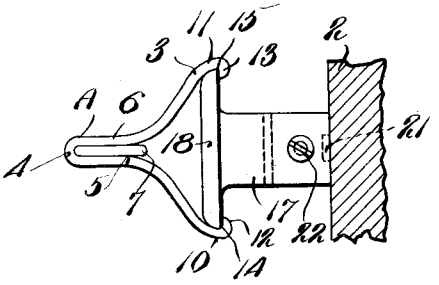


Fig. 2

Inventor
William H. Lawrence,
by Roberts, Roberts & Cushman
his Attys.

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UNITED STATES PATENT OFFICE.

WILLIAM H. LAWRENCE, OF BOSTON, MASSACHUSETTS.

WIRE OR CORD HANGER.

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This invention relates to hangers, and particularly to hangers which are adapted to be removably secured to walls or portions of buildings for supporting wires or cords.

Objects of the invention are to provide a simple and inexpensive hanger conveniently adjustable for attachment to moldings, pilasters or projections, and thus to provide for hanging electric wires, radio antennæ, picture wires, and other matters to be supported.

One preferred embodiment of the invention is shown by way of illustration in the accompanying drawings, in which

Fig. 1 is a side elevation of a hanger attached to a molding;

Fig. 2 is a bottom plan view of the hanger shown in Fig. 1;

Fig. 3 is a side elevation of a modified form of hanger attached to a molding; and

Fig. 4 is a transverse section on the line 4—4 of Fig. 3.

Referring to the drawings, and particularly to Figs. 1 and 2, a hanger A is shown secured to a molding 1 of usual form, which may be secured to a wall 2. The hanger A may comprise a mounting 3 which is preferably formed by folding a sheet metal blank along one longitudinal edge 4 and suitably securing to the sides 5 and 6 thus formed insulating material 7, such as a strip of impregnated paper, vulcanized fibre, rubber impregnated fabric or other suitable strong material not electrically conducting. The mounting 3 is preferably cut out at suitably spaced intervals 8 and the insulating strip 7 is similarly cut out to form hooks 9 from which, for example, the antennæ or other wires of radio or other electrical apparatus may conveniently be suspended. The number and position of insulated hooks 9 may of course vary as required as well as the manner of forming and securing them to the mounting 3. The sides 5 and 6 preferably incline outwardly from the folded margin 4 and the outer end portions 10 and 11 thereof may be bent inwardly to form flanges 12 and 13 respectively, thereby providing parallel longitudinal channels 14 and 15.

Clamping members 16 and 17 in this instance provided on the mounting secure the mounting 3 to the molding 1, but it will be understood that the mounting could be secured to any suitable support and a molding is merely shown as a convenient support which is ordinarily available. The upper clamping member 16 is preferably in the form of a hook which is integral with or suitably secured in the upper portion of the channel in the mounting 3 and is adapted to hook over the top of the molding 1 in order to suspend the hanger therefrom. The lower clamping member 17 is shown in the form of a block which is movable relatively to the upper clamping member 16 to enable the hanger to be secured to supports of different sizes and is provided with a T-shaped end portion 18 which in this instance is adjustable in the channels 14 and 15 of the mounting 1.

A gripping member is preferably provided on the lower clamping member for tightly gripping the hanger support, and in this instance this member is in the form of a resilient tongue 19 which is integral with the upper face of the block 17 and movable relatively thereto. Of course, other means of attaching the tongue to the block could be resorted to, but the form shown presents a simple and inexpensive piece to manufacture. A spur 21 may be provided on the face end of the tongue 19 adapted to be forced, in this embodiment, between the molding 1 and wall so that the molding will not be marred.

Preferably a screw 22 extends into the block 17 from the under side and bears against the lower face of the tongue 19 and by adjusting the screw 22 against the lower face of the tongue the spur 21 may be forced tightly against the molding and thereby prevent the hanger from being accidentally detached from the molding. Relative movement between the clamping member 17 and mounting 1 is prevented by the frictional engagement between the T-shaped projection and the flanges 12 and 13, the block 17 binding in the channels 14 and 15 due to the rotational movement imparted to the block when the screw is advanced. To disengage the hanger from the molding the screw 22 is retracted until the binding effect is relieved, whereupon the block may be slipped downwardly out of engagement with the molding.

A modified form of the invention is shown in Figs. 3 and 4 in which the mounting B is provided with reverse hooks 23 and 24, the hook 23 being adapted to engage the top of the molding 1 for supporting the hanger in depending position therefrom

while articles such as picture frames may be suspended from the lower hook 24. In this form the clamping block 17' may be provided with a groove 25 which engages the intermediate portion 26 of the mounting. The operation of the clamping block 17' is similar to that of block 17 above described.

This invention provides a simple and inexpensive hanger which may be used in a variety of situations and it will be understood that the embodiments shown are merely by way of illustration and not of limitation as numerous other forms may be resorted to without departing from the spirit of the invention as defined in the appended claims.

I claim:

1. A hanger adapted to be secured to supports of different character, comprising a mounting, clamping members for securing said mounting to a support, a tongue on one of said members and movable relatively thereto and having a gripping element to engage said support, and means for forcing said element into tight engagement with said support and for securing said mounting and movable member together.

2. A hanger adapted to be secured to supports of different character, comprising a mounting adapted to be secured to a molding, opposed clamping members on said mounting, one of which is adjustable, a tongue on one of said members and movable relatively thereto, and means in engagement with said tongue for forcing the tongue against the molding, and holding it in tight engagement therewith.

3. A hanger comprising a mounting, a clamping member fixed on said mounting to engage a support, a movable clamping member on said mounting, and an adjustable gripping element carried by the movable member and movable relatively thereto to firmly secure the mounting to said support.

4. A hanger comprising a mounting, a fixed clamping member on said mounting to engage a support, a movable clamping member on said mounting, and a gripping element on said movable member and movable relatively thereto, and means in contact with said gripping element for forcing said element against the support to firmly attach the hanger thereto and to secure the movable clamping member upon the mounting.

5. A hanger comprising a mounting adapted to be secured to a molding, a hook on said mounting adapted to engage the top of the molding, a slide on the lower part of the mounting, a tongue on said slide movable relatively thereto and having a spur adapted to engage the bottom of said molding, and adjustable means for moving said tongue upwardly to force said spur into tight engagement with said molding.

6. A hanger comprising a mounting adapted to be secured to a molding or the like for supporting antennæ, said mounting being in the form of a sheet metal blank folded to provide one longitudinal folded edge, insulating material held within said fold, said blank and insulating material being cut out at spaced intervals to provide hooks for supporting antennæ therefrom, a hook on said mounting to engage the top of the molding, a block adjustably mounted between the folds of said blank, a tongue integral with said block having a spur to engage the bottom of the molding, and an adjustable member for moving said tongue into engagement with said molding.

7. A hanger comprising a mounting adapted to be secured to a molding or the like for supporting antennæ, said mounting being in the form of a sheet metal blank folded to provide one longitudinal folded edge, insulating material held within said fold, said blank and insulating material being cut out at spaced intervals to provide hooks for supporting antennæ therefrom, a hook on said mounting to engage the top of the molding, a block adjustably mounted between the folds of said blank, a gripping element on said block movable relatively thereto, and means for forcing said element into engagement with the bottom of the molding.

8. A hanger comprising a mounting adapted to be secured to a molding or the like for supporting antennæ, said mounting being in the form of a sheet metal blank folded to provide one longitudinal folded edge, insulating material held within said fold, said blank and insulating material being cut out at spaced intervals to provide hooks for supporting antennæ therefrom, a hook on said mounting to engage the top of the molding, and means for attaching said mounting to a molding.

9. A hanger comprising a mounting adapted to be secured to a molding for supporting antennæ, insulated hooks on said mounting, clamping members on said mounting movable relatively to each other, a gripping member on one of said clamping members and movable relatively thereto for engaging the molding, and means bearing against said gripping member for forcing said member into tight engagement with said molding.

Signed by me at Boston, Massachusetts this second day of July, 1924.

WILLIAM H. LAWRENCE.