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J. R. MASSETT

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HOLDING DEVICE FOR GROUNDS

Filed June 16, 1927

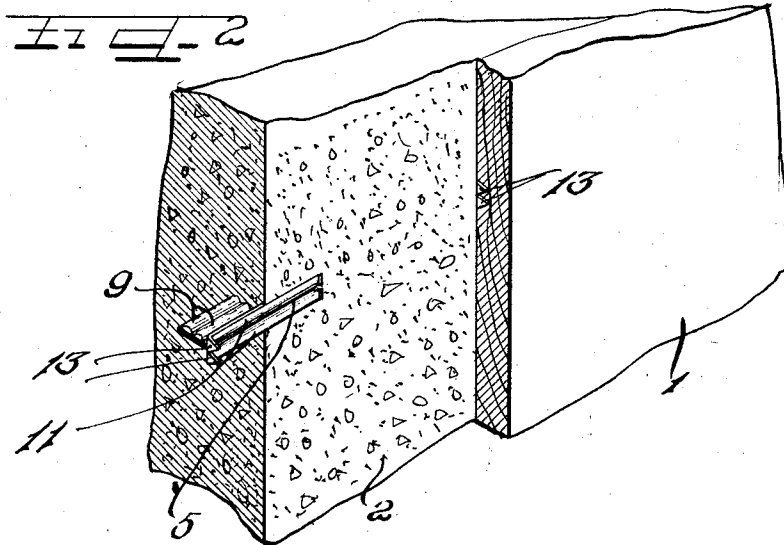


Fig. 3

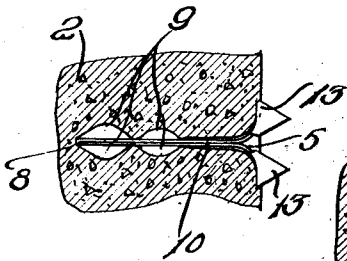


Fig. 1

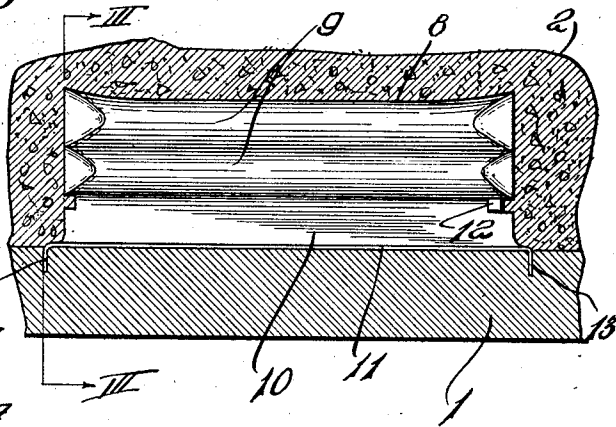
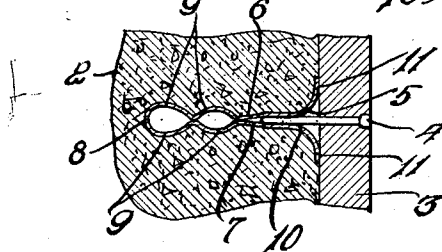


Fig. 4



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HOLDING DEVICE FOR GROUNDS.

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In concrete construction work used in connection with buildings and the like a great many inner walls of buildings are being constructed of concrete making it rather difficult to secure grounds or flush strips in place on said concrete walls to permit the attachment of moldings, baseboards, and other finishing members in place.

This invention relates to an improved holding device for grounds or flush strips used in connection with plastering to facilitate securing of moldings or other finishing members in place on concrete walls.

It is an object of this invention to provide a simplified form of holder adapted to be partially embedded in a concrete wall to receive attaching nails for holding moldings or other finishing members secured in place on a concrete wall.

It is also an object of this invention to provide a sheet metal holder of unitary construction adapted to be secured on the inner face of a concrete wooden form to permit the holder to be embedded in concrete and to remain therein when the forms are removed to afford an arrangement whereby the retaining nails for grounds or flush strips may be driven into the embedded holder to secure the same in place.

It is a further object of this invention to provide a slotted metal holder adapted to be embedded in a concrete wall with the slotted portion exposed to receive retaining nails for holding ground strips in place on a concrete wall for the attachment of moldings and the like.

It is an important object of this invention to provide a holder for ground or flush strips, said holder having projections or teeth thereon adapted to permit the holder to be secured to a wooden concrete form to permit the holder to be embedded in the concrete when it is poured with a portion of the holder exposed in the surface of the concrete when the form is removed, permitting the tooth projections of said holder to be cut off after which ground or flush strip retaining nails are adapted to be driven into the holder for the purpose of holding said grounds or flush strips secured to the concrete wall.

Other and further important objects of this invention will be apparent from the disclosures in the specification and the accompanying drawings.

This invention (in a preferred form) is

illustrated in the drawings and hereinafter more fully described.

On the drawings:

Figure 1 illustrates an enlarged horizontal fragmentary section taken through a concrete wall and the wooden form therefor illustrating a holder embodying the principles of this invention secured to the form and embedded in the concrete.

Figure 2 is a perspective view of a fragmentary portion of a concrete wall and a wooden form therefor illustrating a ground or flush strip holder partially embedded in the concrete with a portion of the wooden form removed and also showing the prongs of a second holder still embedded in the portion of the wooden form which has not been removed.

Figure 3 is a detail vertical section taken through the concrete on line III—III of Figure 1 with the wooden form removed.

Figure 4 is a sectional view through a concrete wall and through a holder of this invention embedded therein, said holder having a retaining nail driven therein for holding a ground or flush strip secured in place.

As shown on the drawings:

The reference numeral 1 indicates a wall or side of a wooden form used for the construction of a concrete wall 2 against the exposed surface of which it is desired to secure a wooden ground or flush strip 3 used in connection with plastering to permit the attachment of moldings, baseboards, and other finishing strips. The ground or flush strip 3 is adapted to be secured in place by means of a nail 4 or other suitable means, with the inner end of said nail adapted to be driven into the mouth or groove 5 provided in an improved holding device embodying the principles of this invention and preferably comprising a unitary structure formed out of sheet metal or the like. The holder is formed by bending a sheet of metal over upon itself to form a pair of walls 6 and 7 connected by a bight portion 8. Each of the walls 6 and 7 is formed with a plurality of parallel rounded ribs 9 separated by depressions or grooves so that each of said walls may be considered as corrugated with the rear corrugations being the largest and those nearer the front being gradually reduced in size. As illustrated, there are only two ribs or corrugations formed in each of the plates 6 and 7, with the front portions of said plates forming a mouth piece 10 the end margins of which are bent at an

angle to form flanges or lips 11. The bight portion 8 of the holder together with the corrugated plates 6 and 7 forms a spring member which acts to separate or open the mouth piece

5 10. To hold the mouth in a substantially closed position against the action of the spring portion of the holder a lug 12 is struck from one end of each of said plates 6 and 7 and is bent over or around the adjacent edge of the
10 opposite plate, as illustrated in Figure 1, to hold the mouth plates secured together. The ends of the lips or flanges 11 of the holder are tapered and are bent outwardly at right angles to afford teeth or retaining lugs 13
15 which are adapted to be driven into the inner face of the wooden wall 1 of a concrete form, as illustrated in Figures 1 and 2, to hold the holding device secured in a predetermined position with the flanges or lips 11 of the holder
20 lying flat against the inner face of the form wall while the corrugated body portion of the holder projects into the chamber of the form so that when the form is filled with concrete the body portion of the holder will be completely
25 embedded in the concrete, as illustrated.

After the concrete has set the wooden form 1 is pulled away from the concrete and off of the teeth 13 of the holder leaving the holder
30 embedded in the concrete with the flanges or lips 11 exposed in the face of the concrete so that access may be had to the slot or mouth 5 formed in the exposed portion of the holder. The projecting teeth 13 at both ends of the
35 lips or flanges 11 are now clipped or cut off flush with the outer or front faces of the lips or flanges 11 and flush with the face of the concrete. A ground or flush strip 3 or a molding, baseboard, or any other finishing strip
40 may now be secured to the front face of the concrete wall 2 by means of nails 4 which are driven through the ground strip 3, as illustrated in Figure 4, and have the pointed ends
45 thereof driven into the opening or mouth 5 of the holder between the walls 6 and 7 forming the mouth piece. The corrugated bight portion of the holder acts as a spring for the mouth piece which when embedded in concrete is slightly compressed which allows the
50 pointed ends of the nails to be tightly wedged in the mouth piece to rigidly hold the ground strip 3 in place.

The improved holding device of this inven-

tion while described as an improved means for supporting or securing grounds or flush
55 strips to concrete surfaces, may also be used in connection with concrete walls for securing picture moldings, baseboards, or any other types of strips in position.

I am aware that many changes may be made, and numerous details of construction may be varied through a wide range without departing from the principles of this invention, and I therefore do not purpose limiting the patent granted hereon, otherwise than
65 necessitated by the prior art.

I claim as my invention:

1. A holding device for ground strips and the like comprising a pair of corrugated plates integrally connected by a bight portion, a mouth piece integrally formed on said plates with the margins of the mouth piece bent to afford lips, and projections integrally formed on the ends of said lips at opposite sides of said mouth to permit the holding device to be secured to a concrete wooden form and to support the mouth during embedding of the holding device in concrete.

2. A holding device for ground strips and the like comprising a spring body portion, a mouth piece integrally formed thereon, and means formed on said mouth piece to permit the same to be secured to a wooden form for concrete and firmly held against distortion as it is embedded in the concrete when the form
85 is filled.

3. A holding device for grounds comprising a corrugated spring body portion having oppositely flanged portions forming a mouth piece, and teeth formed on said flanged portions at opposite sides of said mouth piece adapted to be removed after the holding device has been embedded in concrete.

4. A holding device for grounds comprising a corrugated metal plate bent upon itself
95 to form a bight portion, and having two margins of the plate bent outwardly away from one another to form a mouth piece to receive ground retaining nails after the holding device has been embedded in a wall, each of said margins having teeth projecting from its opposite ends, for the purpose set forth.

In testimony whereof I have hereunto subscribed my name at Chicago, Cook County, Illinois.

JOSEPH R. MASSETT.