(No Model.)

E. B. MARSH.

CORNER BEAD.

No. 562,783. Patented June 23, 1896.

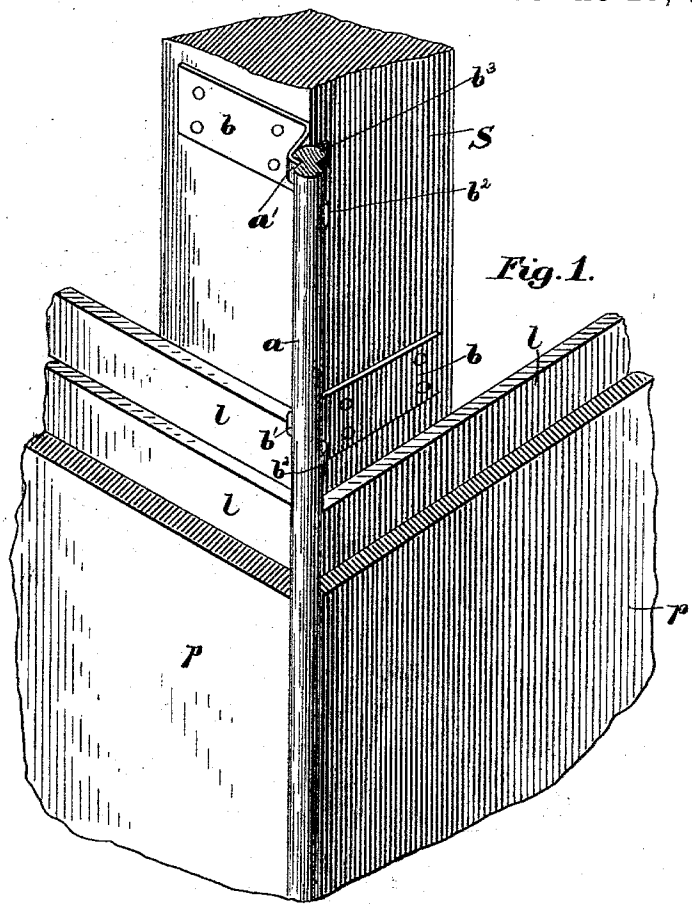

Fig. 1.

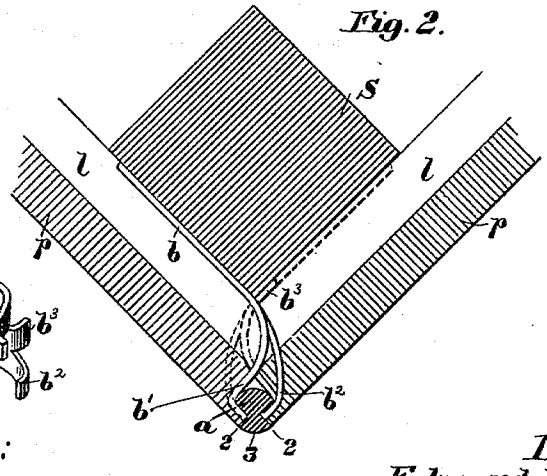

Fig. 2.

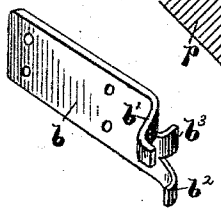

Fig. 3.

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UNITED STATES PATENT OFFICE.

EDWARD B. MARSH, OF AMHERST, MASSACHUSETTS.

CORNER-BEAD.

SPECIFICATION forming part of Letters Patent No. 562,783, dated June 23, 1896.

Application filed January 18, 1896. Serial No. 575,950. (No model.)

To all whom it may concern:

Be it known that I, EDWARD B. MARSH, of Amherst, county of Hampshire, State of Massachusetts, have invented an Improvement in Corner-Beads, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention has for its object to provide an improved corner-bead for turning corners in plastering.

Originally wooden beads provided with large rounded surfaces were employed, the plastering being carried to these beads, the latter, however, forming or constituting the corner. A later development relates to metallic beads in the nature of thin metallic plates secured to the studding and projecting angularly and outwardly from and at the corner of the stud and perforated to permit the plaster, which is carried to the extreme outer edge of the bead, to clench through and hold. An objection to this type of bead is that a practically sharp corner is produced, as distinguished from the larger and rounded corner produced by the wooden bead. A further objection has been that the plaster, when carried out to this angularly-positioned bead-plate, is necessarily gradually tapered off to a thin or knife edge, rendering it easily chipped and detached, notwithstanding it is clinched some distance in within the edge.

My present invention comprehends a bead-piece having a rounded periphery to produce a rounded corner and which is supported by a suitable plate or plates after the manner of the metallic type of bead.

My invention also comprehends a bead-piece provided in the direction of its length with one or more recesses or depressions into which the plastering material may flow and thereby obtain considerable thickness, even at its extreme edge, to render it less liable to crack or chip off.

The above, together with other features of my invention, will be hereinafter particularly described, and pointed out in the claims at the end of this specification.

In the drawings, Figure 1 shows in perspective a sufficient portion of a building construction, including a bead-piece embodying my invention, to enable the latter to be understood; Fig. 2, a cross-section of the parts, Fig. 1; and Fig. 3 a perspective detail of one of the holders.

In the embodiment of my invention herein selected for illustration and shown in the drawings, a is what I shall hereinafter denominate as "bead-piece," it being shown as formed from a long rod provided, in the present instance, at its opposite sides with long depressions or recesses a' to receive the plastering material.

To support the bead-piece a in position, I provide one or more, preferably a plurality of, holders b, herein shown as made from flat metal, having one of their ends slitted to leave the three ears b', b^2, and b^3, two of which, for example the ears b' and b^2, may be bent, as shown, to enter the depressions in the sides of the bead-piece and thereby embrace a portion of and to hold said bead-piece, or the latter may be otherwise supported from and by said holders or either of them, if desired.

When placing the bead-piece in position, I prefer to stagger the holders b, that is, have the alternate holders extended in opposite directions to be secured to different faces of this supporting-stud S, as shown in Fig. 1, although said holders may be arranged all at one face of the stud, if desired.

In the present embodiment of my invention, the ears b^3 are bent back to form stops to engage the supporting-stud and insure proper positioning of the holders and the bead carried thereby.

In use the lathes l are laid in usual manner completely to the corner of the stud S, or as near the corner as may be desired, and the plaster p, of whatever material, applied as heretofore, said plaster being extended to and finished smooth with the outer surface of the bead-piece, to form therewith a smooth finished corner, as shown in Fig. 2.

It will be noticed that by reason of the depressions or recesses in the bead-piece and back of the corner surface thereof the plaster is given a substantial thickness at its extreme edge where it meets the bead-piece, these edges being shown at 2 2, Fig. 2, thereby giving the plaster a firm hold at the bead-piece, and at the same time, by reason of the greater thickness at the edge, rendering the

plaster less liable to chip off than with the thin knife-edge produced by a bead lacking the plaster-receiving depressions.

For wire lathing the ears b' b^2 will be made shorter, so that the bead will stand out from the corner of the stud to a less distance than shown in the drawings, and it is evident that by varying the length of these ears or changing the contour or position of the same the position of the bead may be varied as desired.

It will be noticed that the outer surface 3 of the bead is rounded to produce a rounded corner in the wall, and while this constitutes a feature of my invention, the latter is not limited to any particular shape of outer surface at the corner.

My invention provides for the clenching of the plaster through and through behind the bead and between the holders b b, thus providing a firm corner, and because the lathing can be extended quite to the corner at either face of the stud the wall is further strengthened at the corner.

My invention is not limited to the particular embodiment herein shown, for it it evident the same may be varied without departing from the spirit and scope of the invention.

Having described my invention, and without limiting myself as to detail, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination with a bead-piece, of one or more holders therefor provided with ears embracing a portion of and to hold the said bead-piece in position, substantially as described.

2. The herein-described bead-piece adapted to be supported at the corner in a wall, the same being provided with one or more plaster-receiving depressions, whereby the said plaster may be maintained at substantial thickness to at or near its line of juncture with said bead-piece, combined with supports therefor having ears arranged to enter said depressions and thereby maintain said bead-piece in proper position, substantially as described.

3. A bead-piece having a rounded corner-surface and a detachable sheet-metal support, provided with oppositely-disposed ears holding the same between them at a proper distance from the supporting-stud, substantially as described.

4. The combination with the bead-piece, of the holders for the same, and stop-surfaces on and to insure correct positioning of said holders, substantially as described.

5. The herein-described bead-piece, provided on opposite sides with longitudinal depressions, thereby forming similar symmetrical portions of said bead-piece opposite each other, substantially as described.

6. A metallic holder, provided at one end with holding portions formed in opposition to each other, the other end thereof constituting a securing-shank, combined with a bead-piece having opposing angles formed to coöperate with said holding portions and to be held thereby, substantially as described.

7. A metallic holder, having at one end holding portions formed in opposition to each other, a securing-shank, and a stop bent up, or otherwise formed, projecting from said holder, substantially as described.

8. The combination with a bead-piece, of a plurality of independent holders, formed to engage said bead-piece at desired points in the length thereof, and to hold said bead-piece rigidly removed from the support to which said holders are attached, whereby the plaster may be applied against, and flush with, the said bead-piece and be clenched behind the same, substantially as described.

9. The combination with a bead-piece provided with longitudinally-extended plaster-receiving depressions, of a plurality of independent holders, formed to engage said bead-piece at desired points in the length thereof and to hold said bead-piece rigidly removed from the support to which said holders are attached, whereby the plaster may be applied against, and flush with, the said bead-piece and be clenched behind the same, substantially as described.

10. The combination with a bead-piece, provided with longitudinally-extended depressions, of a plurality of independent holders having portions formed to enter said depressions and thereby engage and hold said bead-piece in position clear of the support and to be plastered against substantially as described.

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

EDWARD B. MARSH.

Witnesses:
FREDERICK L. EMERY,
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