May 18, 1926. 1,585,036

E. H. JONES

DEVICE FOR SETTING UP CORNER BEADS

Filed August 20, 1924

Fig. 1.

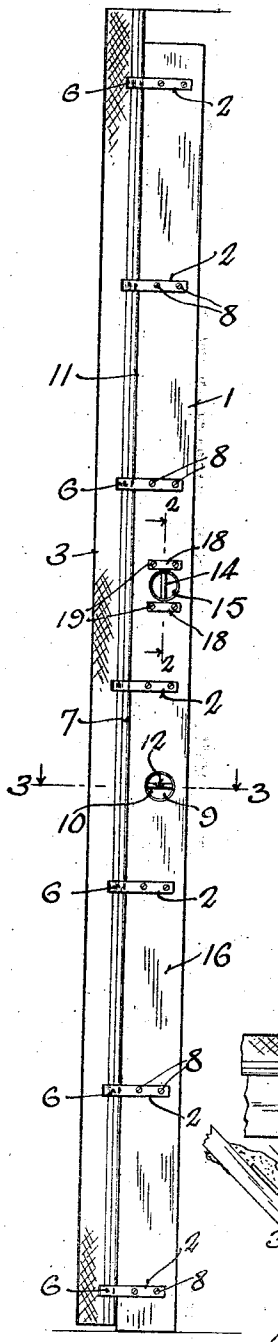


Fig. 2.

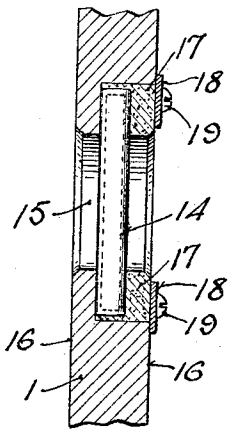


Fig. 3.

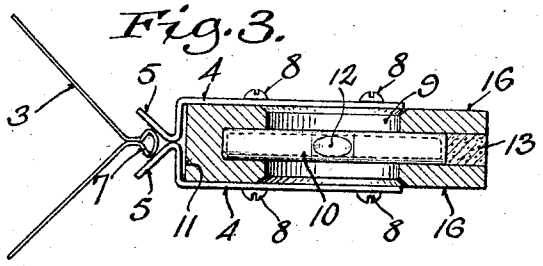


Fig. 4.

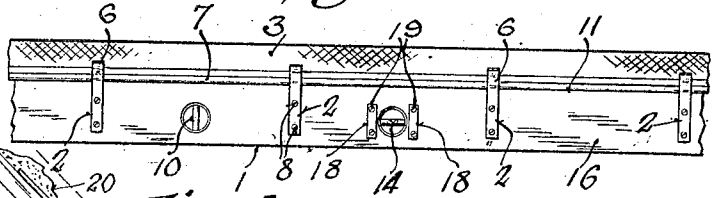
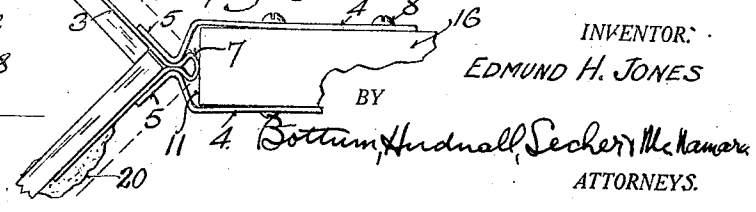


Fig. 5.



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UNITED STATES PATENT OFFICE.

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DEVICE FOR SETTING UP CORNER BEADS.

Application filed August 20, 1924. Serial No. 733,034.

This invention relates to improvements in devices for setting up corner beads such as are used for protecting the sharp edges or corners of walls.

An object of the invention is to provide an improved device for setting up corner beads which may be readily applied to a corner bead and manipulated to set up the bead in a vertical or horizontal plane.

Another object is to provide an improved method of setting up corner beads.

Other objects and advantages will hereinafter appear.

For the purpose of illustrating the invention, an embodiment thereof is shown in the drawings, in which

Figure 1 is a side elevation, showing the device applied to a corner bead and positioned to place the bead in a vertical plane;

Fig. 2 is a section on line 2—2 of Fig. 1;

Fig. 3 is a section on line 3—3 of Fig. 1, showing the device in position to be applied to a corner bead;

Fig. 4 is a plan view, showing the device applied to a corner bead and positioned to place the bead in a horizontal plane; and

Fig. 5 is a plan view of Fig. 1, showing the manner in which the device is secured to the corner bead.

The device comprises, in general, a member 1 having any suitable means 2 arranged along one edge thereof for engagement with the corner bead 3. The means 2 may comprise a pair of L-shaped strips 4 fitted over opposite corners of member 1 at one edge thereof, as shown in Fig. 3, the ends 5 of the strips being resilient and bent backwardly to provide a substantially V-shaped clip adapted to snap over the head 7 of the corner bead as shown in Fig. 5, to hold the device and the bead securely together. The strips 4 are secured to member 1 in any suitable way, such as by screws 8.

Member 1 is provided with an opening 9 across which a spirit gauge 10 is supported and arranged at right angles to the edge 11 of member 1. The edge 11 of member 1 is placed in a vertical plane by positioning the member so that gauge 10 lies in a horizontal plane, as indicated by the bubble 12.

In setting up a corner bead, the device is placed against the bead, as shown in Fig. 3, and pressed firmly upon the bead so that clips 6 formed by the resilient ends 5 of strips 4 snap over head 7 of the bead, as shown in Fig. 5. The bead and the device are thereby securely held together, with head 7 of the bead held tightly against edge 11.

The bead is then fitted to the corner of the wall and the device adjusted so that gauge 10 lies in a horizontal plane, as indicated by the position of bubble 12. Plaster or other material 20 is then applied in suitable quantity at the edges of the bead to hold both in the position shown in Figs. 1 and 5. When the plaster or material 20 has set, the device is pulled from the bead, and plaster or other material applied in the usual manner to finish the job, as indicated by dotted lines in Fig. 5.

Gauge 10 may be secured in position across opening 9 by inserting the gauge into a suitable opening in member 1 at right angles to edge 11 and closing the end of the opening by any suitable means such as putty 13, to hold the gauge in position.

A second gauge 14 is supported across a suitable opening 15 in member 1 and arranged in a plane parallel to the faces 16 of the member. The ends 5 of strips 4 are arranged in alignment parallel to faces 16 of member 1, so that when the member is positioned to place gauge 14 in a horizontal plane the clips 6 formed by ends 5 will be in alignment in a horizontal plane.

Gauge 14 may be secured across opening 15 by inserting the gauge into suitable recesses at the edge of the opening and applying any suitable means such as putty 17 and strips 18 across the recesses to hold the gauge in proper position. The strips 18 may be secured to member 1 by any suitable means such as screws 19.

In setting up a corner bead 3 to lie in a horizontal plane, as shown in Fig. 4, the device is secured to the bead as explained above, and positioned so that gauge 14 lies in a horizontal plane. Plaster or other

material is then applied as explained above in connection with Figs. 1 and 5.

Although the invention has been described and shown as particularly adapted to the setting up of corner beads, it is not limited to such use, but may be used for a variety of different purposes.

Various changes of structure and arrangement of the parts may be adopted without departing from the spirit of the invention or the scope of the claims.

The invention claimed is:

1. A device of the character described comprising a member having a straight edge, complementary holding elements secured to said member against relative bodily movement with respect thereto and overhanging said edge, the adjacent ends of said elements being so spaced as to normally prevent free passage of the head portion of a corner bead between the same, said ends being relatively resilient to permit the same to be spread outwardly away from each other by said head portion upon the application of pressure tending to move said member and bead together whereby said ends are caused to receive and snap over said head portion into interlocking relation therewith.

2. In a device of the character described, the combination with a member having a straight edge, of strips fixed to opposite sides of said member and having their outer free ends extending beyond said edge and spaced to normally prevent free passage of the head portion of a corner bead between the same, said ends being resilient to permit said ends to be spread outwardly and away from each other by said head portion upon forceful application of said bead to said member and to cause said ends to snap over said head portion into interlocking relation therewith.

3. In a device for setting up corner beads, in combination, a member, pairs of L-shaped strips arranged at intervals along one edge of said member, the strips of each said pairs being fitted over opposite corners of said edge, the ends of said strips being resilient and bent to provide clips for holding the device to a corner bead, and a gauge carried by said member and adapted and arranged to indicate the position of said member to place a corner bead in proper position when said clips are in operative engagement with the bead.

4. The method of setting up a corner bead of the class described consisting in securing a member to said bead, placing said member and said bead in proper position at the corner of a wall, applying plaster or other material in sufficient quantity to hold said bead and said member to the corner, allowing said plaster or other material to set, and then removing said member from said bead.

5. The method of setting up a corner bead of the class described consisting in securing a leveling device to said bead, placing said device and said bead in proper position at the corner of a wall, applying plaster or other material in sufficient quantity to hold said bead and said device to the corner, allowing said plaster or other material to set, and then removing said device from said bead.

In witness whereof I hereto affix my signature.

EDMUND H. JONES.