July 14, 1925. 1,545,932

J. R. WILLIAMS

CORNER BEAD CLAMP

Filed Jan. 22, 1925 2 Sheets-Sheet 1

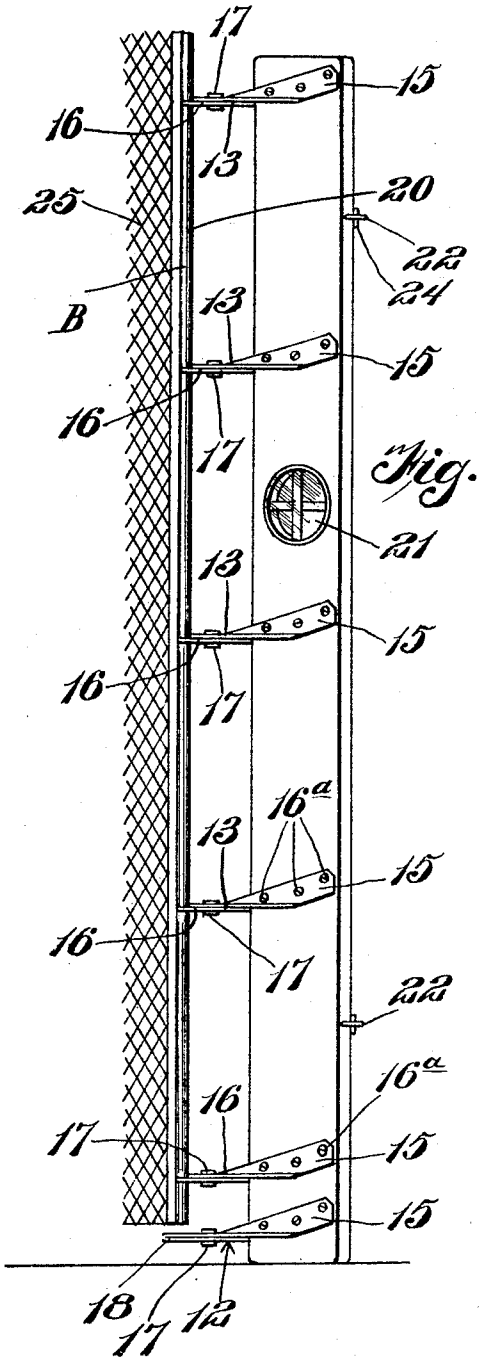


Fig. 1.

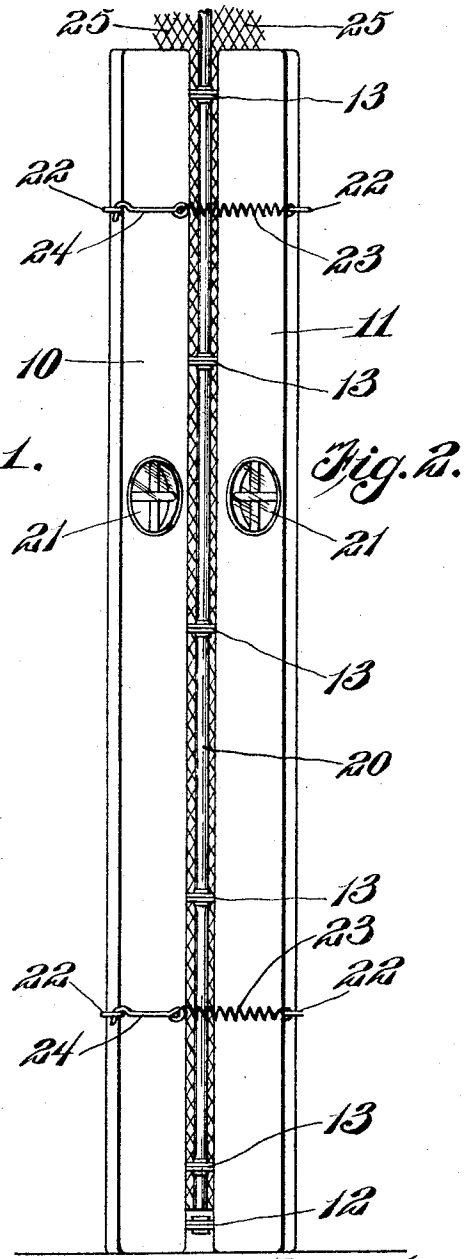


Fig. 2.

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Fig. 3.

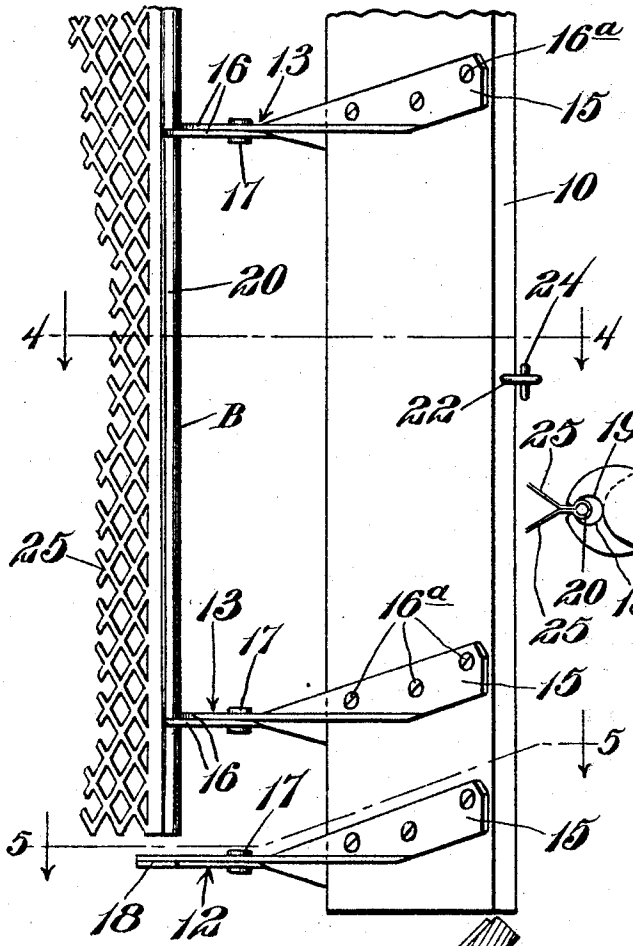


Fig. 4.

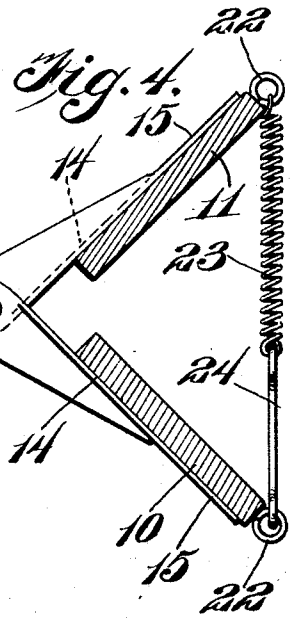
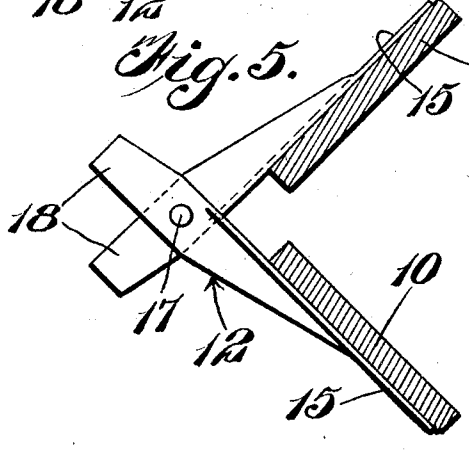


Fig. 5.



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UNITED STATES PATENT OFFICE.

JOSEPH R. WILLIAMS, OF LITTLE ROCK, ARKANSAS.

CORNER-BEAD CLAMP.

Application filed January 22, 1925. Serial No. 4,085.

To all whom it may concern:

Be it known that I, JOSEPH R. WILLIAMS, a citizen of the United States, residing at Little Rock, in the county of Pulaski and State of Arkansas, have invented certain new and useful Improvements in Corner-Bead Clamps, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to corner bead clamps and more particularly to a clamp for holding and plumbing or leveling plasterers' corner beads while applying the same.

An important object of the invention is to provide a device of this character which may be very readily engaged with the corner bead and removed therefrom and which embodies means for leveling or plumbing the bead.

A still further object of the invention is to provide a device of this character having means for properly aligning the bead.

These and other objects I attain by the construction shown in the accompanying drawings, wherein for the purpose of illustration is shown a preferred embodiment of my invention and wherein:—

Figure 1 is a side elevation showing a corner bead clamp employed to hold a corner bead;

Figure 2 is a rear elevation thereof;

Figure 3 is an enlarged side elevation of the lower portion of the device;

Figure 4 is a section on the line 4—4 of Figure 3 and showing the construction of one of the bead clamping devices; and

Figure 5 is a section on the line 5—5 of Figure 3 showing the aligning element.

Referring now more particularly to the drawings, the clamp includes a pair of vertical members 10 and 11 connected by hinges 12 and 13. A single hinge 12 is provided while the hinges 13 are provided in any desired number and suitably spaced along the lengths of the side members 10 and 11.

Each hinge 12 and 13 consists of two leaves formed from strap iron bent along a line extending diagonally across the iron intermediate the ends thereof, as indicated at 14, to provide attaching sections 15 and jaw sections 16. The attaching sections are connected with the uprights 10 and 11 by screws 16 or the like while the jaw sections are connected with one another intermediate their ends, as indicated by the numeral 17 by the pintle of the hinge. The extremities of the jaw sections of the hinge 12 provide flat opposing jaw sections 18 adapted for coaction with a wall corner base or other point from which the bead B is to be aligned. The free end portions of the hinged sections 18 are provided upon adjacent faces thereof with coves 19 combining to provide an opening for the reception of the bead proper, indicated at 20, of the bead element B.

Each upright has secured thereto or built therein a combined leveling and plumbing element 21 shown in the present instance as consisting of a member having a pair of levels disposed at right angles to one another. These members are preferably in the form of straight edges so that they may be employed as such if so desired and so that the levels thereof may be readily trued by the application of one edge thereof of a level or plumb which is known to be true. Means are provided for keeping attention upon the uprights 10 and 11 tending to draw them toward one another comprising eyes 22 secured to each upright adjacent the upper and lower ends thereof, the eye of one upright having engaged therewith one end of a spring 23, the oposite end of the spring having mounted thereon a hook 24 for engagement in the corresponding eye of the other upright.

After the bead B has been placed in position, the hooks 24 are engaged and the clamp employed for manipulating the bead. The jaws 18 of the hinge 12 are engaged with the point from which the bead is to aligned and the proper level or plumb secured by observing the instruments of the members 10 and 11. These members will be substantially at right angles to one another when the bead is in position and accordingly when the instruments of both sections 10 and 11 are properly set, the bead will be in proper alignment. In this position, it may be held by the clamp while the tying, sticking or nailing of the flanges 25, with which the bead B is usually provided, is accomplished. When the bead is set the hooks 24 may be released permitting the jaws to be opened and the clamp to be removed.

It will be obvious that the structure hereinbefore set forth is capable of a considerable range of change and modification without materially departing from the spirit

of my invention and for this reason I do not limit myself to such specific structure except as hereinafter claimed.

I claim:—

1. In a corner bead clamp, a pair of elongated elements connected at points spaced longitudinally thereof by hinged connections, certain of said hinged connections having jaws for grasping and holding a corner bead, a further hinge having flat opposing jaw sections adapted for engagement with an element from which the bead is vertically aligned.

2. In a corner bead clamp, a pair of elongated elements connected at points spaced longitudinally thereof by hinged connections, certain of said hinged connections having jaws for grasping and holding a corner bead, a further hinge having flat opposing jaw sections adapted for engagement with an element from which the bead is vertically aligned, said elongated members each having a straight edge paralleling said jaws.

3. In a corner bead clamp, a pair of elongated elements connected at points spaced longitudinally thereof by hinged connections, certain of said hinged connections having jaws for grasping and holding a corner bead, a further hinge having flat opposing jaw sections adapted for engagement with an element from which the bead is vertically aligned, said elongated members each having a straight edge paralleling said jaws, and means for connecting said elongated members resiliently urging the jaws toward one another.

4. In a corner bead clamp, a pair of elongated elements connected at points spaced longitudinally thereof by hinged connections, certain of said hinged connections having jaws for grasping and holding a corner bead, a further hinge having flat opposing jaw sections adapted for engagement with an element from which the bead is vertically aligned, and means upon each of said elongated members for indicating when said jaws are vertically or horizontally disposed.

5. In a corner bead clamp, a pair of straight edges each having secured thereto at spaced points a plurality of jaw elements, corresponding jaw elements of the straight edges being pivoted to one another intermediate their ends, the pivots of said jaw elements aligning, certain of said jaw elements at the free end portions thereof having opposed faces formed with coves for the reception of faces of a bead, a further pair of jaw elements at one end of the straight edges having a free end portion thereof plane and adapted for coaction with an element from which the bead is to be aligned.

6. In a corner bead clamp, a pair of straight edges each having secured thereto at spaced points a plurality of jaw elements, corresponding jaw elements of the straight edges being pivoted to one another intermediate their ends, the pivots of said jaw elements aligning, certain of said jaw elements at the free end portions thereof having opposed faces formed with coves for the reception of faces of a bead, a further pair of jaw elements at one end of the straight edges having a free end portion thereof plane and adapted for coaction with an element from which the bead is to be aligned, and means for plumbing and leveling each of said straight edges carried by the straight edges.

In testimony whereof I hereunto affix my signature.

JOSEPH R. WILLIAMS.