

D. D. KING.
CLIP FOR CORNER BEADS.
APPLICATION FILED NOV. 20, 1908.

956,364.

Patented Apr. 26, 1910.

Fig. 1.

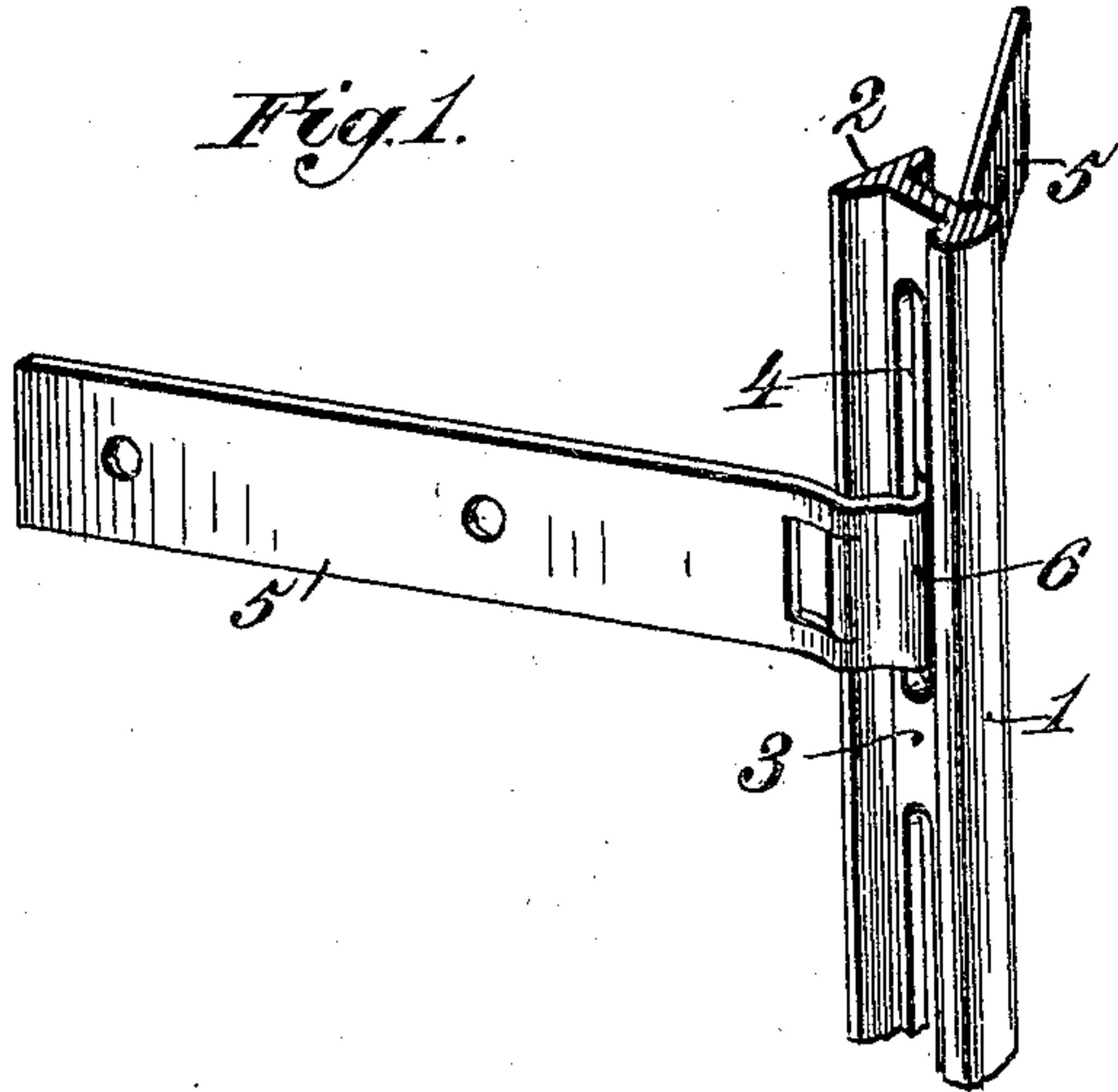


Fig. 3.

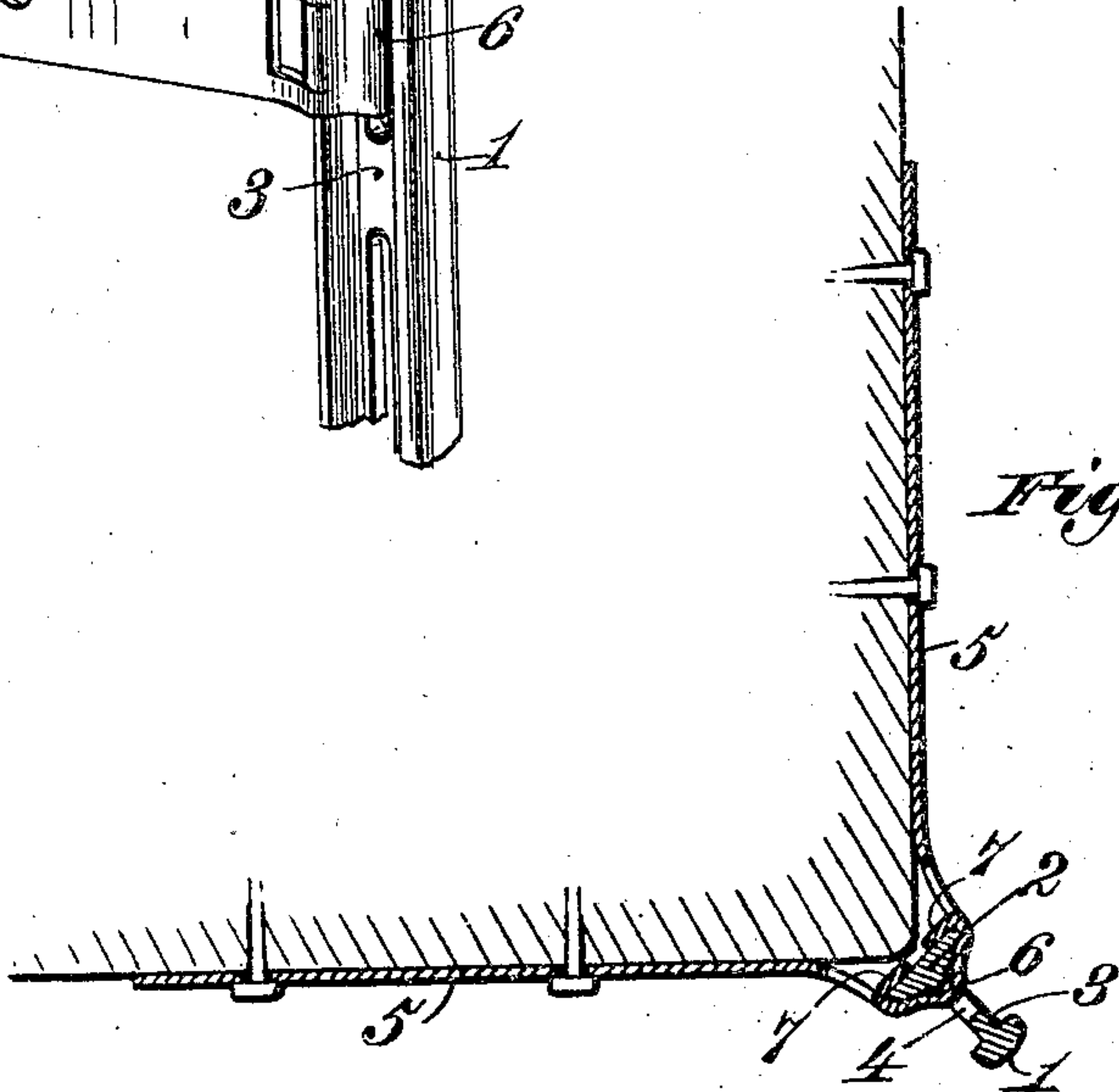


Fig. 2.

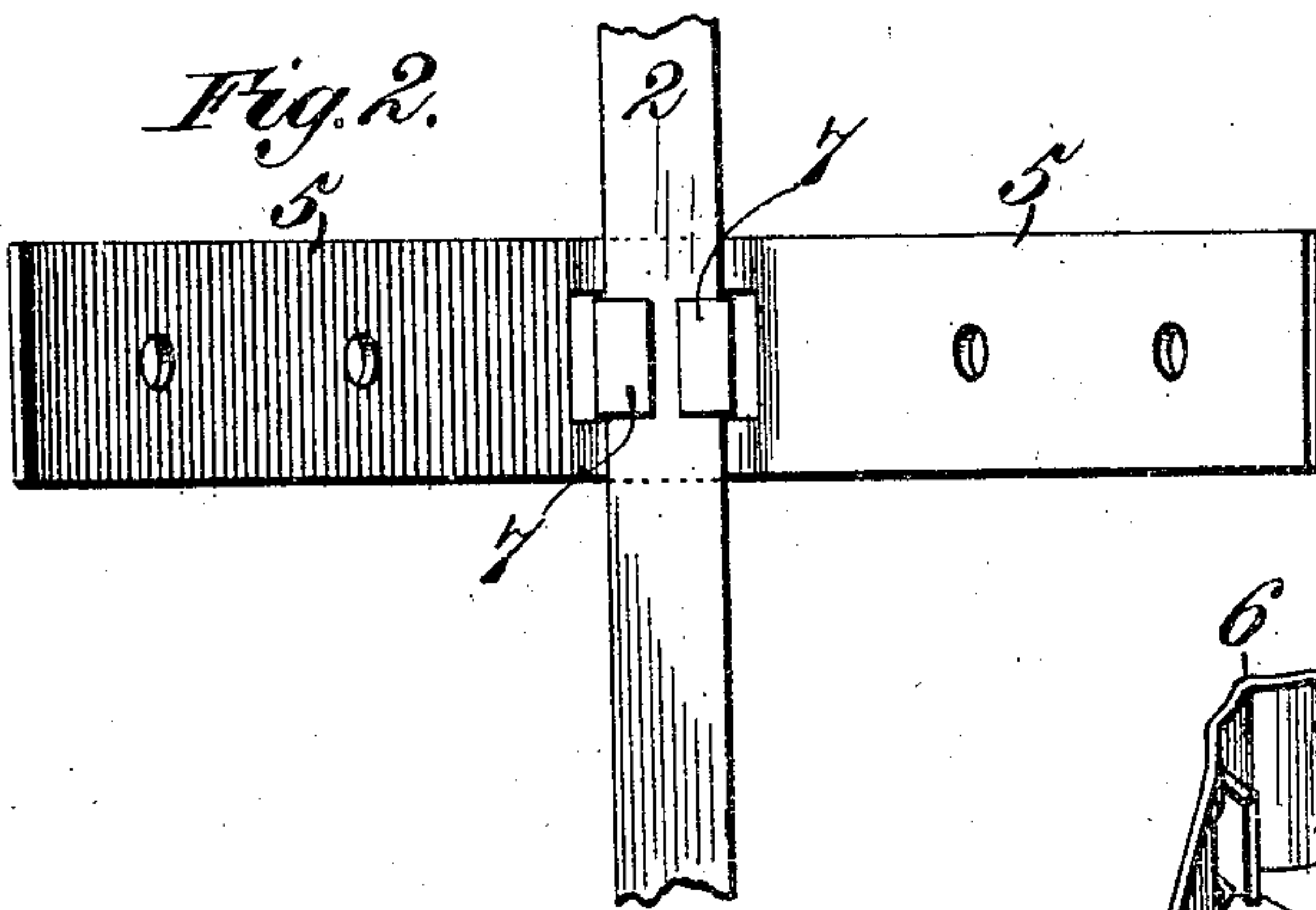
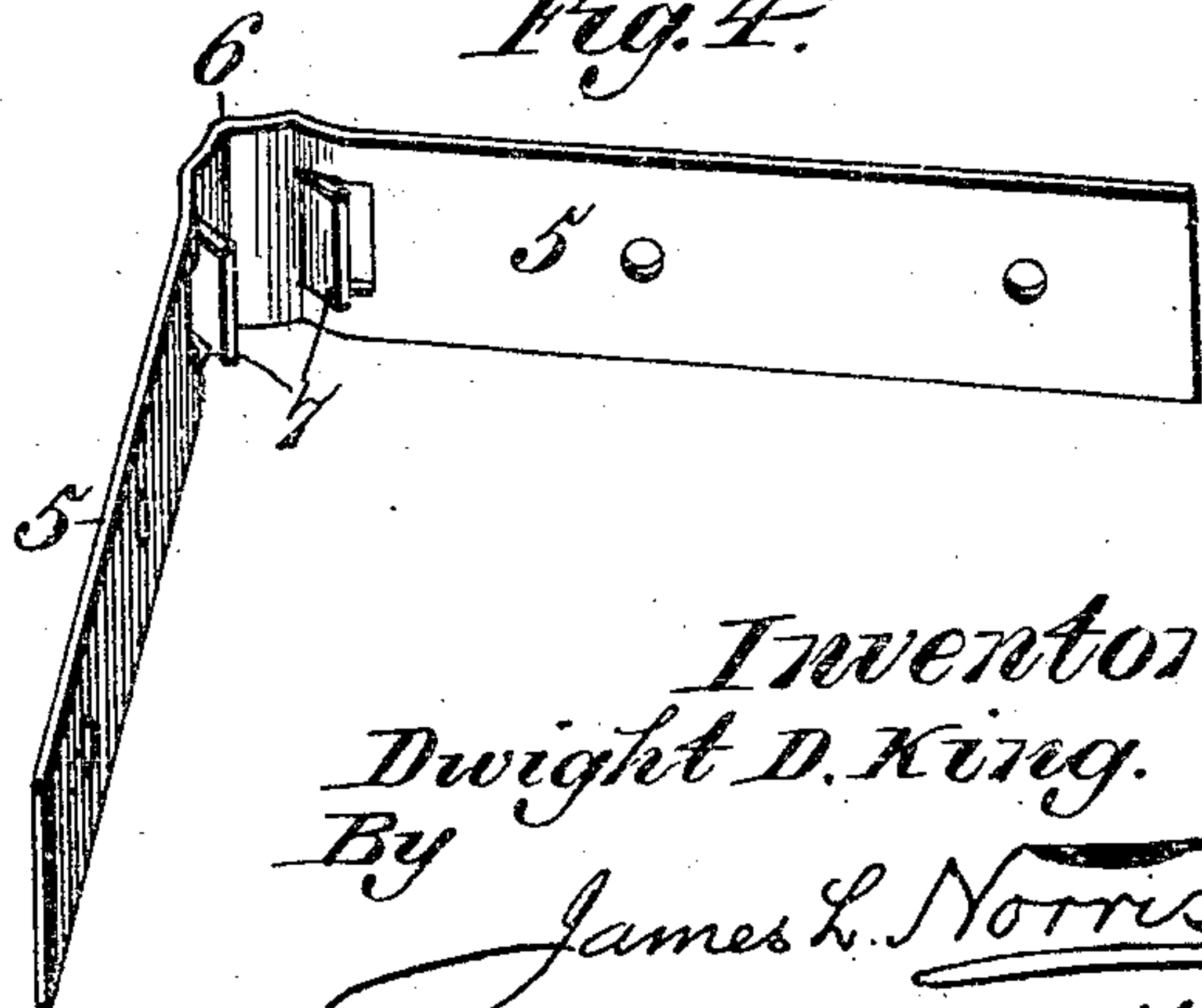


Fig. 4.



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UNITED STATES PATENT OFFICE.

DWIGHT D. KING, OF WARREN, PENNSYLVANIA, ASSIGNOR TO THE ROGERS-SHEAR COMPANY, OF WARREN, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

CLIP FOR CORNER-BEADS.

956,364.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, DWIGHT D. KING, a citizen of the United States, residing at Warren, in the county of Warren and State of Pennsylvania, have invented new and useful Improvements in a Clip for Corner-Beads, of which the following is a specification.

My present invention relates to improvements in clips for corner beads and similar devices such as are applied to the corners or other exposed edges of walls to protect the plastering or other wall covering from injury, and it has for its object to provide an improved clip for anchoring and securing the corner strip or bead in position, such clip being simple in construction and capable of being manufactured cheaply by machinery ready for application to the strip and wall, and in practice, such clip shall be capable of application to the wall and strip with facility even when manipulated by inexperienced persons, and when the clip is so applied and secured, it obtains a firm and rigid hold upon the bead or strip whereby the same will be securely retained in proper position.

To these and other ends, the invention consists in certain improvements, and combinations and arrangements of parts, all as will be hereinafter more fully described, the novel features being pointed out particularly in the claims at the end of the specification.

In the accompanying drawing: Figure 1 is a perspective view of a corner bead having applied thereto an improved clip constructed in accordance with my present invention; Fig. 2 represents a rear elevation of the bead or strip showing the manner of locking the clip thereto; Fig. 3 represents a plan view partly in section showing the bead secured in position upon the corner of a wall or other structure by means of the improved clip; and Fig. 4 is a perspective view of the clip detached from the bead.

Similar parts are designated by the same reference characters in the several views.

Clips constructed in accordance with my present invention are capable of application to corner beads or strips of different forms, and it will be understood that certain changes or modifications in the clip

may be made in order to suitably adapt the clip to beads or strips of different types. 55

In the accompanying drawing, I have illustrated one embodiment of the invention, and in this embodiment, I have shown the clip in connection with a corner bead or strip in the form of a T-rail having a base flange 2 the edges of which project laterally from opposite sides of the web 3, the latter being provided at suitable intervals with longitudinally extending slots or apertures 4 which serve the dual function of receiving a portion of the plaster and thus 60
keying the same and of receiving a portion of the clip whereby the latter may obtain a firm hold thereon. 65

The clip shown in the present instance consists of a strip of sheet material, usually metal which in the present embodiment of the invention may be punched and formed by dies. Fig. 4 of the drawing shows the clip in the form it possesses previous to its application to the wall and corner bead or strip. The clip as it comes from the machine has a pair of divergently-arranged arms 5 which may be perforated to receive securing nails or otherwise appropriately formed to provide means for fastening it to the corner of the wall. At a point intermediate its length, the strip is bent to form a transversely extending channel 6 which channel when the clip is passed through one of the apertures in the corner bead or strip accommodates a portion of the web and coöperates therewith to prevent relative lateral movement between the clip and bead. Those portions of the clip at opposite sides of the channeled portion are preferably shaped to conform to the contour of the forward side of the base flange 2 of the bead, and a pair of locking lugs 7 are punched from the strip at suitable distances from the channeled portion which is centered between them, the free ends of these lugs being arranged toward the respective ends of the clip. As the clip leaves the forming machine, these locking lugs are struck inwardly from the respective arms of the clip so that the inner faces of the lugs are substantially parallel and spaced apart a distance sufficient to accommodate the base flange of the bead between them. The clip is applied to the bead by passing one of its attaching arms through 70
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the appropriate aperture in the web of the bead, the channeled portion of the clip straddling the web of the bead while the locking lugs of the clip are slipped rearwardly past the base flange. After the clip has been so applied to the bead, a suitable implement such, for instance, as a pair of pliers, may be utilized to turn both of these locking lugs inwardly so as to lie against the rear side of the bead. These lugs are shown in locked position in Figs. 2 and 3, and when so locked, they cooperate with the rear side of the bead so as to not only prevent an inward movement thereof, but these lugs together with the central portion of the clip which passes through the web of the bead and engages the forward side of its base flange, substantially confine this portion of the bead so that lateral movements or a relative torsional movement between the bead and the clip is effectually prevented.

A clip of this character constructed in accordance with my present invention may be readily formed by machinery and from a single piece of metal, and when it is so formed, it is in condition for immediate application to the bead so that unskilled persons may successfully apply the same, and when applied to the bead and secured to the corner of a wall or other structure to be protected, the locking engagement between the clip and the bead is such that the latter is firmly held from movement in any direction, and while the lugs which serve to lock the clip to the bead are comparatively small, they are amply able to sustain the usual strains to which these beads are subjected, as the edges of the base of the bead engage these locking lugs at their roots, that is to say, the points where they are attached to the body portions of the clip so that there is no effective force which would tend to bend these lugs from their locked position. Those portions of the clip from which the locking lugs are struck also are slightly weakened so that the attaching arms of the clip may be readily bent so as to accommodate them to the angle of the corner to which they are applied, although these weakened portions are beyond the portion which grips and locks the bead or strip, so that the security of hold obtained by the clip on the bead is not affected.

The security of the bead when fastened by a clip constructed in accordance with the present invention is superior to that heretofore attained, especially when the clip is used in connection with beads of T-form, as the clip serves, in effect, as a strap which passes over the base of the bead whereby the same is firmly bound to the corner while the locking lugs which engage at the rear of the bead effectually prevent turning thereof. The bead, therefore, cannot be knocked loose

or out of plumb when struck by the tools of plasterers, or by other objects during the construction of the building, a source of delay and additional expense being thereby avoided.

I claim as my invention:

1. The combination of a corner bead having an aperture between its front and rear edges, and a clip comprising a strip having its ends formed into a pair of attaching arms and its intermediate portion formed as an unbroken continuation of said arms, said intermediate portion extending through said aperture and engaging the bead as a strap to prevent pulling of the bead from the corner of a wall or other support and lugs struck from the strip and having a locking engagement with the bead.

2. The combination of a corner bead having an aperture, and a clip comprising a strip having a pair of attaching arms and an intermediate connecting portion forming an unbroken continuation of said arms and extending through said aperture and engaging a portion of the bead forward of its rear edge as a strap, said clip being also provided with means arranged between the attaching arms and cooperative with the rear side of the bead for locking the clip thereto.

3. The combination of a corner bead having a transverse flange at its rear edge and provided with an aperture forward of said flange, a clip composed of a strip having its ends formed into a pair of attaching arms and its intermediate portion formed into a strap which is an unbroken continuation of said arms, said intermediate portion extending through said aperture and lying against a forward side of the flange on the bead as a strap to prevent pulling of the latter from the corner of a wall or support, the clip having means located between its attaching arms and cooperative with the rear side of the flange on the bead for locking the clip thereto.

4. The combination of a corner bead having a base flange and a web extending forwardly therefrom and provided with an aperture, and a clip comprising a strip of material the intermediate portion of which extends through the aperture in the web of the bead and engages the forward side of the base flange thereof, the ends of the said intermediate portion being prolonged and forming a pair of attaching arms, portions of the strip between the intermediate portion and its end being struck therefrom and bent into a position against the rear side of the base flange of the bead.

5. The combination of a corner bead having an aperture between its front and rear edges and a clip therefor comprising a strip of material having a pair of attaching arms and a continuous intermediate portion extending through said aperture and engaging

the rear wall of said aperture of said bead and provided with a locking lug struck therefrom and clamped against the rear side of that portion of the bead engaging said intermediate portion.

6. The combination of a corner bead provided with an aperture, and a clip comprising a strip of material having attaching arms, and a continuous intermediate portion passing through said aperture and engaging the forward side of a portion of the bead and provided with a pair of locking lugs struck from the strip at opposite sides and in the rear of said intermediate portion, said lugs being clamped against the rear side of the bead.

7. The combination of a corner bead having a web provided with plaster-keying apertures and a base flange, and a clip comprising a strip of material having a pair of attaching arms and an intermediate portion arranged to pass through said aperture and having a channeled portion arranged to straddle and cooperate with a portion of the web of the bead, and a pair of locking lugs

struck from the strip at opposite sides of the channeled portion and bent rearwardly into engagement with the rear side of the bead.

8. The combination of a corner bead having a lateral flange at its rear edge and provided with an aperture immediately forward of said flange, and a clip composed of a strip of material having a continuously extending and unbroken intermediate portion extending through said aperture and bearing against the forward side of said flange on the bead and having means thereon engaging the rear side of said flange on the bead to lock the bead to the clip, the ends of the strip forming a pair of angular attaching arms for securing the clip and the bead locked thereto to the corner of a wall.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

DWIGHT D. KING.

Witnesses:

A. E. DONAHUE,
SUMNER E. ORR.