

No. 687,003.

Patented Nov. 19, 1901.

J. W. COULSON.
WINDOW CORNER POST.
(Application filed Apr. 6, 1901.)

(No Model.)

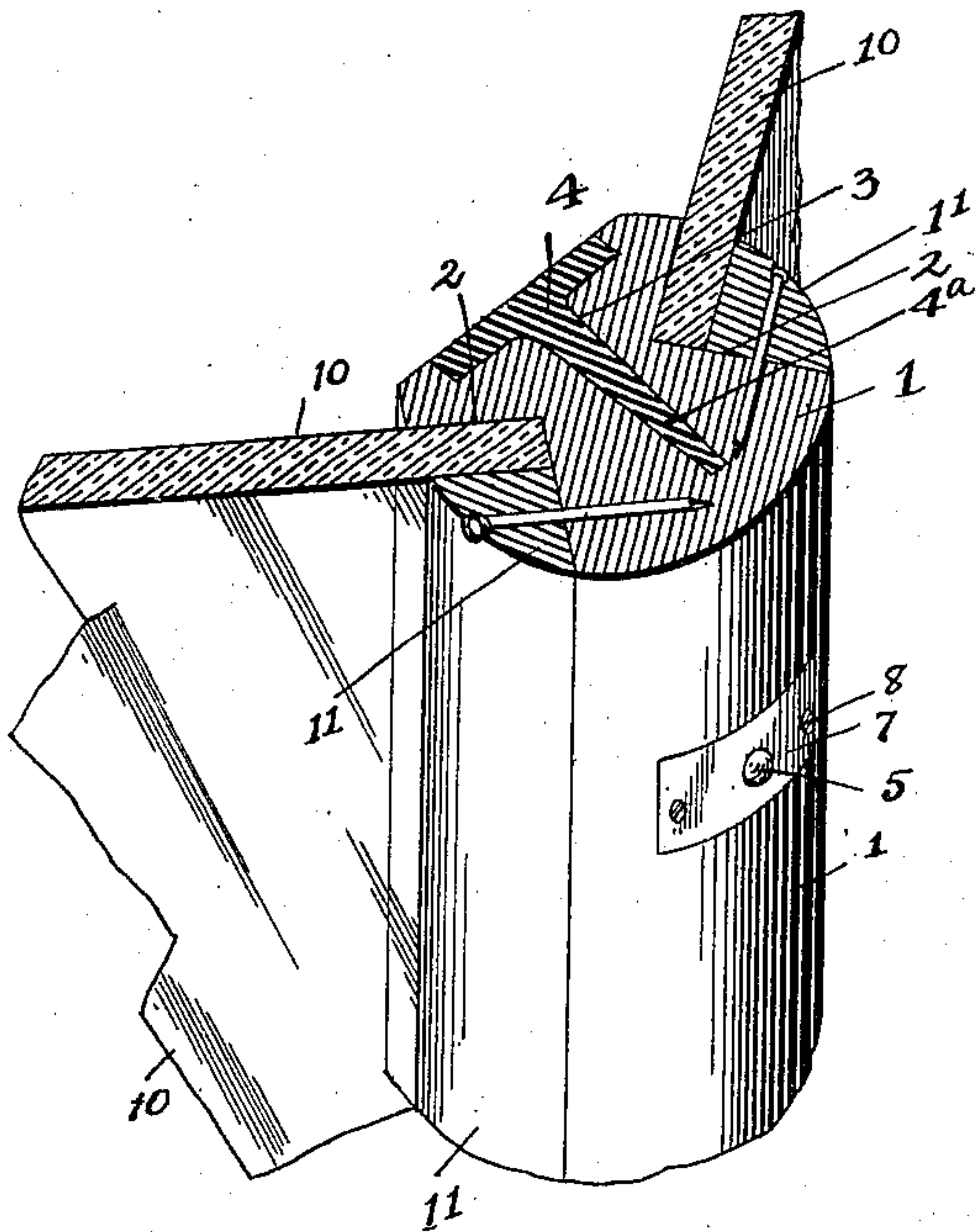


Fig. 1.

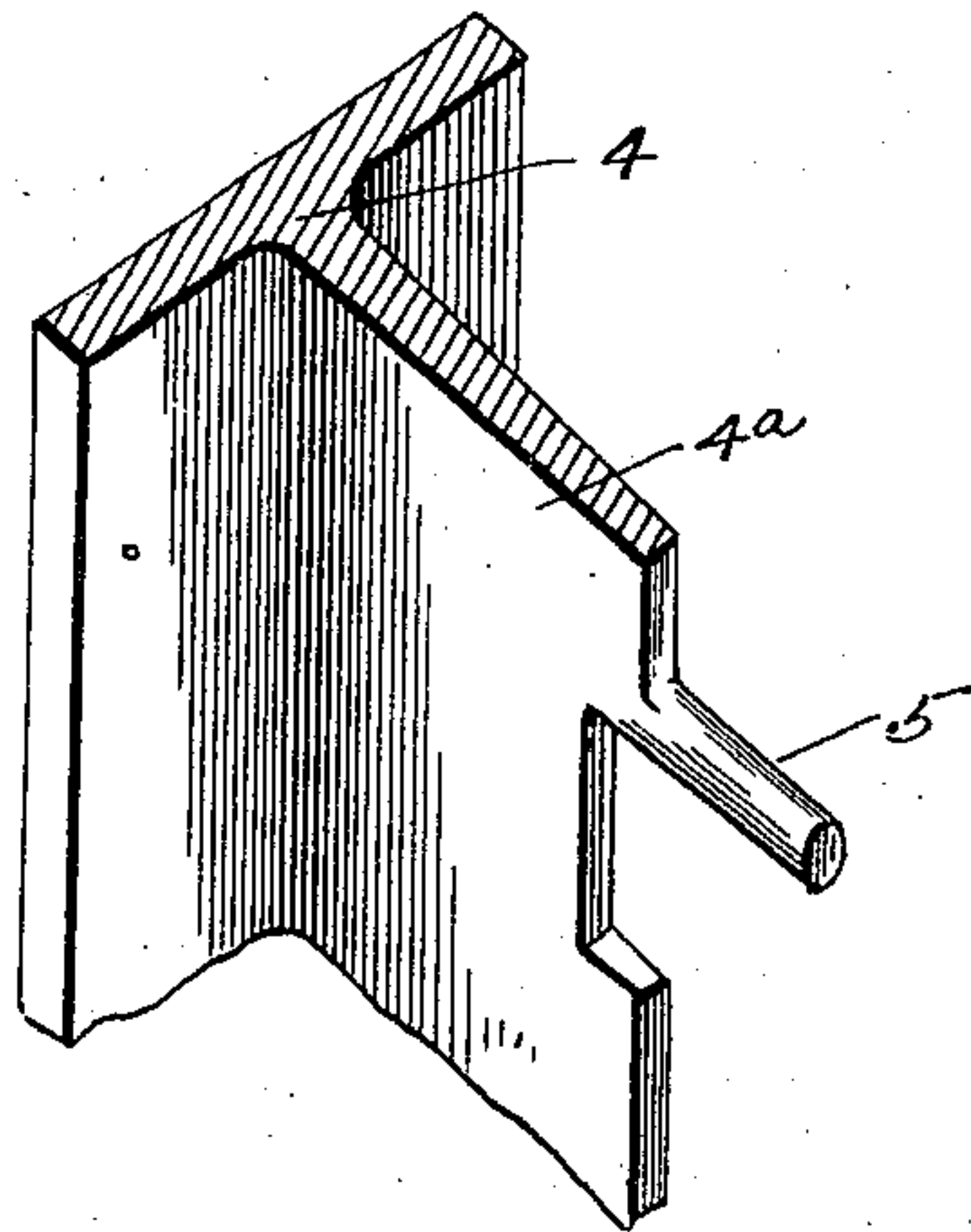


Fig. 2.

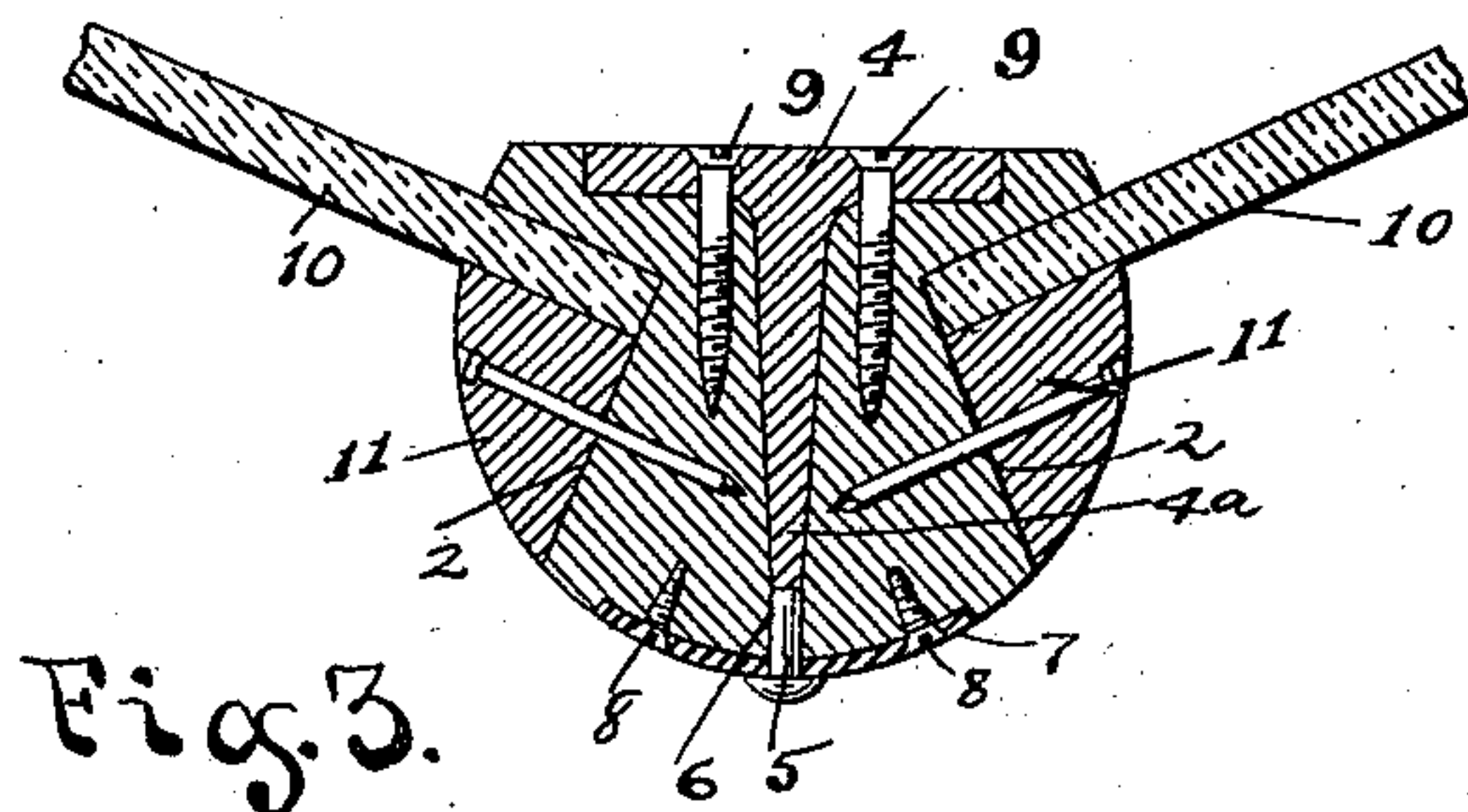


Fig. 3.

WITNESSES:

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JOHN W. COULSON, OF COLUMBUS, OHIO.

WINDOW CORNER-POST.

SPECIFICATION forming part of Letters Patent No. 687,003, dated November 19, 1901.

Application filed April 6, 1901. Serial No. 54,571. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. COULSON, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented a certain new and useful Improvement in Window Corner-Posts, of which the following is a specification.

My invention relates to the improvement of window corner-posts, and has particular relation to the improvement of the construction set forth in my former patent, No. 643,347, bearing date of February 13, 1900.

The objects of my present invention are to provide an improved construction of window corner-posts which will render the same exceedingly strong and impart a desired rigidity thereto and to produce other improvements in details of construction, which will be more fully pointed out hereinafter. These objects I accomplish in the manner illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a section of one of my improved corner-posts, showing portions of two window-glass plates connected therewith. Fig. 2 is a detail view in perspective of a portion of the metallic strengthening-bar which I employ in the manner hereinafter described, and Fig. 3 is a transverse section of said post.

Similar numerals refer to similar parts throughout the several views.

The corner-post herein shown and described is particularly designed for uniting show-window-glass plates, and in carrying out my invention I employ a vertical post 1, of suitable wood, which is provided on opposing sides with angular recesses 2. That face of the post 1 which may be termed the "outer" face is preferably of a rounded form, as indicated, and the same may be suitably covered or ornamented, if desired. The inner vertical face of the post 1 is preferably horizontal or flat. As indicated at 3, the post is provided at the center of its width with a vertical saw-cut which extends throughout the length thereof and from the rear side of said post to a point in the forward portion thereof. Into this saw cut or recess is inserted the web or tongue portion 4^a of a vertically-arranged T-iron 4, the head of the latter bearing in the correspondingly-shaped recess or depression in the rear flat side of the post 1

and having its outer surface flush with said post-surface. In order to provide means for securing the T-iron 4 in connection with the post 1, I provide the outer side or edge of the web portion 4^a at suitable intervals with outwardly-projecting arms or pin-like extensions 5. These projections are preferably formed, as indicated more clearly in Fig. 2 of the drawings, by producing an angular cut in the outer portion of the T-iron web and raising the metal therefrom to a horizontal position: The projection or extension thus formed is preferably rounded, as indicated, although it is obvious that the same may remain in its angular or flat condition. These projecting pins or arms 5 are of such length as to pass through correspondingly-shaped openings 6, which lead through the forward portion of the post 1 at proper points. As indicated in Figs. 1 and 3 of the drawings, the outer end of each of the pins 5 extends through a central opening in a metallic plate 7, which is set into a correspondingly-shaped depression in the outer face of the post 1, this plate being preferably secured to the post through the medium of screws 8. The outer projecting end of each of the pins or arms 5 is then flattened or riveted against the outer face of the plate 7 in the manner shown in Fig. 3. It is obvious that I may also employ at suitable intervals attaching-screws 9, which pass through the head of the T-bar and into the wood of the post. As will be understood from the drawings, the glass window-plates 10, the edges of which are adapted to be connected by the corner-post 1, have their adjacent edge portions entering the angular recesses 2 of the post 1, in which position said glass plates are secured through the medium of quarter-round binding-strips 11, which are nailed at desirable points to the post-body 1.

From this construction it will readily be understood that both window corner-posts and transom-bars may be provided which are exceedingly strong and rigid and will therefore withstand the pressure of the heavy glass plates which are ordinarily used in connection therewith.

Having now fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a window corner-post, the combina-

tion with a post of wood having recessed sides,
of a metallic T-bar having its web or tongue
portion inserted within a corresponding recess
of said post or bar, said web portion being
5 formed at intervals with projecting pin ex-
tensions 5 which pass through the outer face
of said post and the head of said T-bar abut-
ting against the inner side of the post and
binding-strips adapted to be secured in said
10 angular recesses, substantially as set forth.

2. In a window-post, the combination with
a post or bar of wood having its sides pro-
vided with angular recesses, of a metallic

T-bar having its web or tongue portion in-
serted within a corresponding recess of said 15
post and having its web portion provided with
pin extensions, plates on the outer face of the
post through which said pin extensions pro-
ject and against which they are riveted and
binding-strips adapted to be secured in said 20
angular recesses, substantially as specified.

JOHN W. COULSON.

In presence of—

C. C. SHEPHERD,
W. L. MORROW.