E. W. NORTON.

CORNER BEAD FOR PLASTERING OR CONCRETE REINFORCING.

APPLICATION FILED MAR. 31, 1909.

**953,391.** **Patented Mar. 29, 1910.**

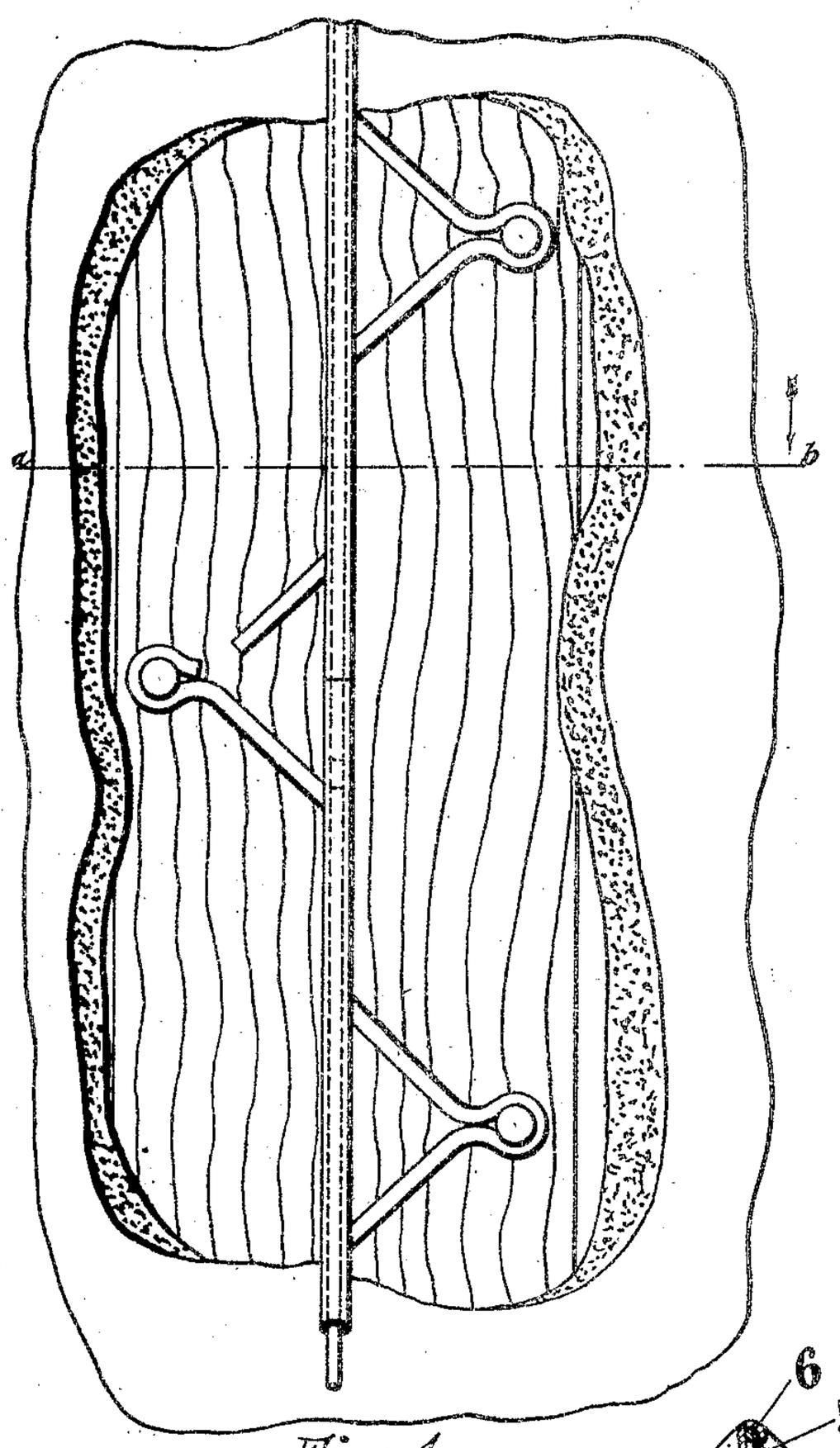


Fig 1

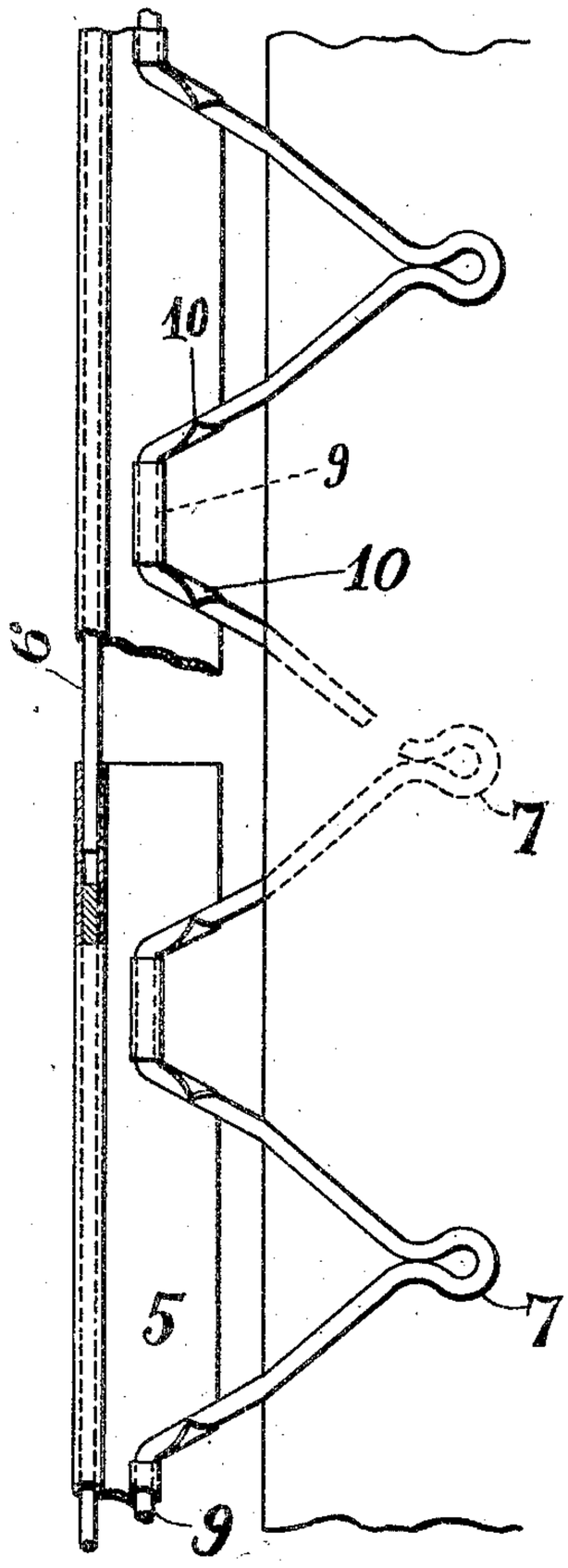


Fig 2

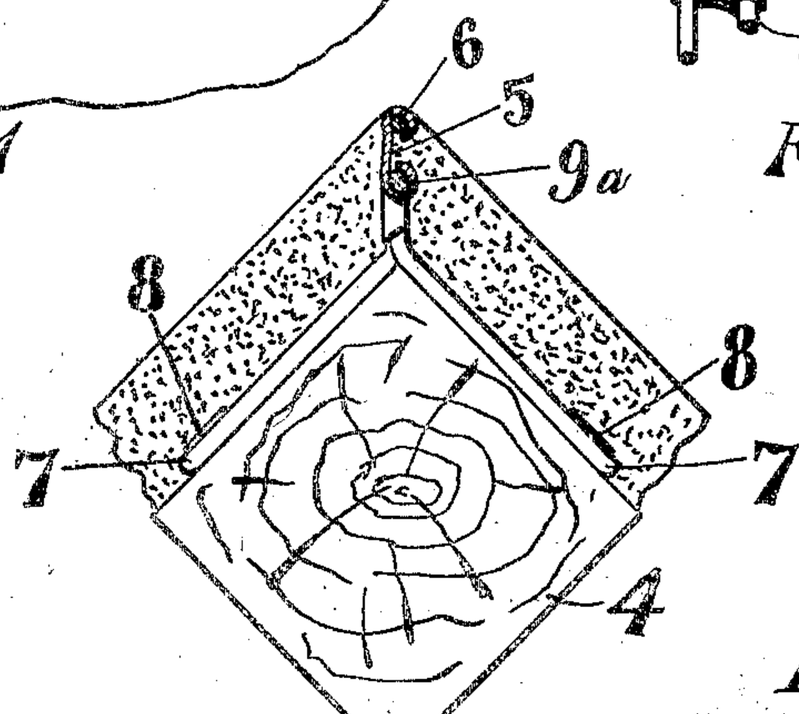


Fig 3

Witnesses:
Chas. E. Chase.
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# UNITED STATES PATENT OFFICE.

EDGAR W. NORTON, OF WORCESTER, MASSACHUSETTS.

## CORNER-BEAD FOR PLASTERING OR CONCRETE REINFORCING.

953,391. Specification of Letters Patent. Patented Mar. 29, 1910.

Application filed March 31, 1909. Serial No. 486,915.

*To all whom it may concern:*

Be it known that I, EDGAR W. NORTON, citizen of the United States of America, residing at Worcester, county of Worcester, State of Massachusetts, have invented certain new and useful Improvements in Corner-Beads for Plastering or Concrete Reinforcing, of which the following is a specification.

This invention relates to concrete reinforcing devices and particularly to means for reinforcing corners and the like where concrete facings are applied to columns, studding and the like.

An object of this invention is to provide plates designed to be applied to the corners of members to which concrete is to be applied, novel means being provided for retaining the reinforcing members in place and means being further provided for allowing the reinforcing members to be assembled in operative relation to one another, in order that a long or short length space may be supplied with the reinforcing attachment.

A further object of this invention is to provide novel means for bracing the reinforcing member on each side, the said bracing device being also utilized for attaching the reinforcing member in place.

With the foregoing and other objects in view, the invention consists in the details of construction, and in the arrangement and combination of parts to be hereinafter more fully set forth and claimed.

In describing the invention in detail, reference will be had to the accompanying drawings forming part of this specification wherein like characters denote corresponding parts in the several views, in which—

Figure 1, is a view in elevation of a fragment of a post or other member with the invention applied thereto; Fig. 2, is a detail view of the reinforcing structure; and Fig. 3, illustrates a top plan view of a post with the invention applied thereto, the reinforcing plate being sectioned.

4, indicates a post or other member to which the corner reinforcing attachment is to be applied, said attachment comprising one or more plates 5, designed to have their inner edges applied to the corners of the member 4, the said plates when two or more are employed to increase the length preferably have their ends abutting, whereas the outer edges are bent to embrace the wire or strip 6, whereby the series of plates are held in alinement and whereby the corner is strengthened.

As a means for retaining the plates in a relation to the post, the said plates are provided with a series of braces extending from opposite sides of the plate designed to be nailed or otherwise secured to the member 4. In the construction of the braces, lengths of wire are preferably employed having a series of bends which produce loops 7, to receive the nails or fastening devices 8, and the said wire has a series of portions 9, extending parallel with the sides of the plate 5, and in engagement with said sides; the said braces being held in engagement with the plate 5, by means of the curved sections cut from the plates and formed into eyes 9ª, the said braces being further held by the bent corners 10 of the said plates. As illustrated, the material forming the braces is formed to produce the portions 9, and the material in each side of the portion 9, is then curved to diverge and is further bent into the loops 7, or the angles of the diverging portions.

When it is desired to increase the length of the reinforcing device, it may be necessary to splice the braces or employ a series of braces and when that is done, it is preferable to terminate one of the braces as shown in Fig. 2, and to have the end of the other brace terminate in close proximity thereto. The end of one brace, as here shown, is provided with a loop whereas the other one terminates in a plain end and the said brace is engaged by an overturned corner 10, so that displacement thereof is obviated. As shown in Fig. 2, a series of wires or strips 6, may be employed terminating as is shown in the sectioned part of said figure, but this is an immaterial detail of construction which may be variously modified to suit particular requirements.

I claim:

1. In a corner bead, plates, braces, the said plates having bent portions to engage the braces, the outer ends of said braces contracted to receive the securing devices whereby the braces are anchored to a post or the like, the said plate having bent corners engaging the braces independently of the means for anchoring the braces to the plates.

2. In a corner bead, plates, the outer edges of said plates doubled back upon the plates, a wire inserted in the doubled-back portion,

said wire extending from near one end to beyond the other end of said plates, the protruding end of the wire in one plate extending into one end of the doubled-back portion of the adjacent plate whereby said plates are held in alinement, and braces connected to the plates for anchoring said plates in proper relation to a post or the like.

3. In a corner bead, a plate, the outer edge of said plate reinforced, the inner edge having slots cut therein, rolls formed between said slots, braces extending from the plate, said braces consisting of wire held in said rolls and extending at an angle therefrom and means for connecting said braces to a post or the like, the corners of said slotted portions bent over said braces.

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