

No. 820,207.

PATENTED MAY 8, 1906.

W. H. KIMBALL.
FENCE POST.
APPLICATION FILED SEPT. 13, 1905.

Fig. 1.

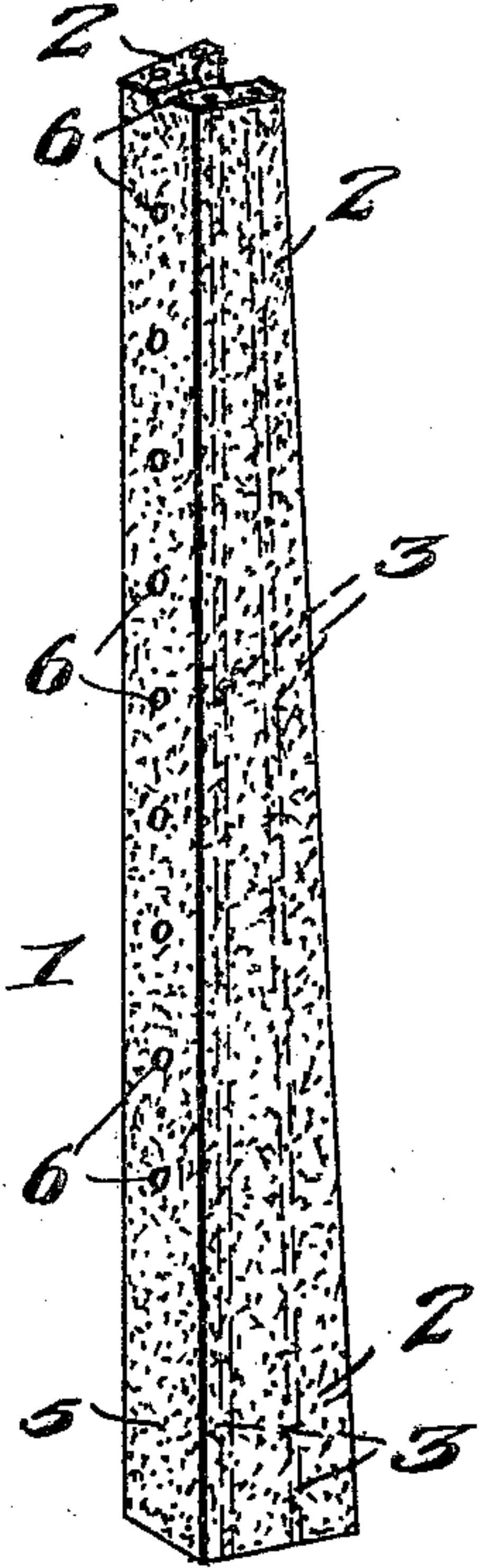


Fig. 2.

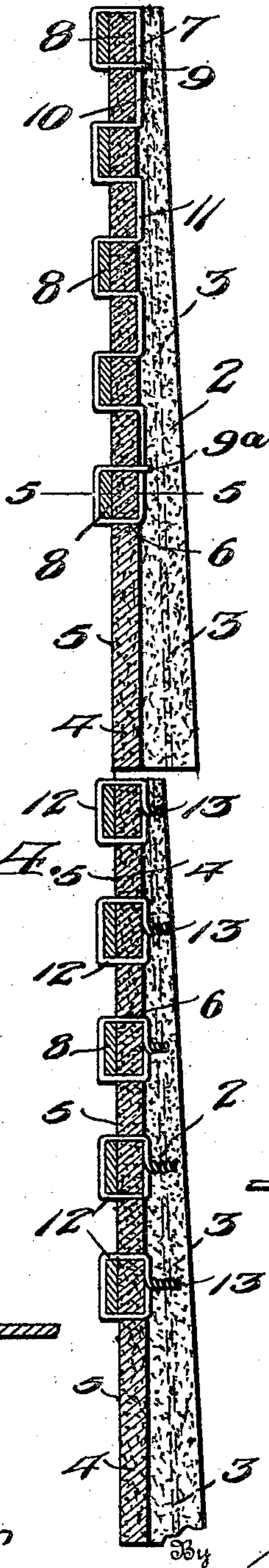


Fig. 3.

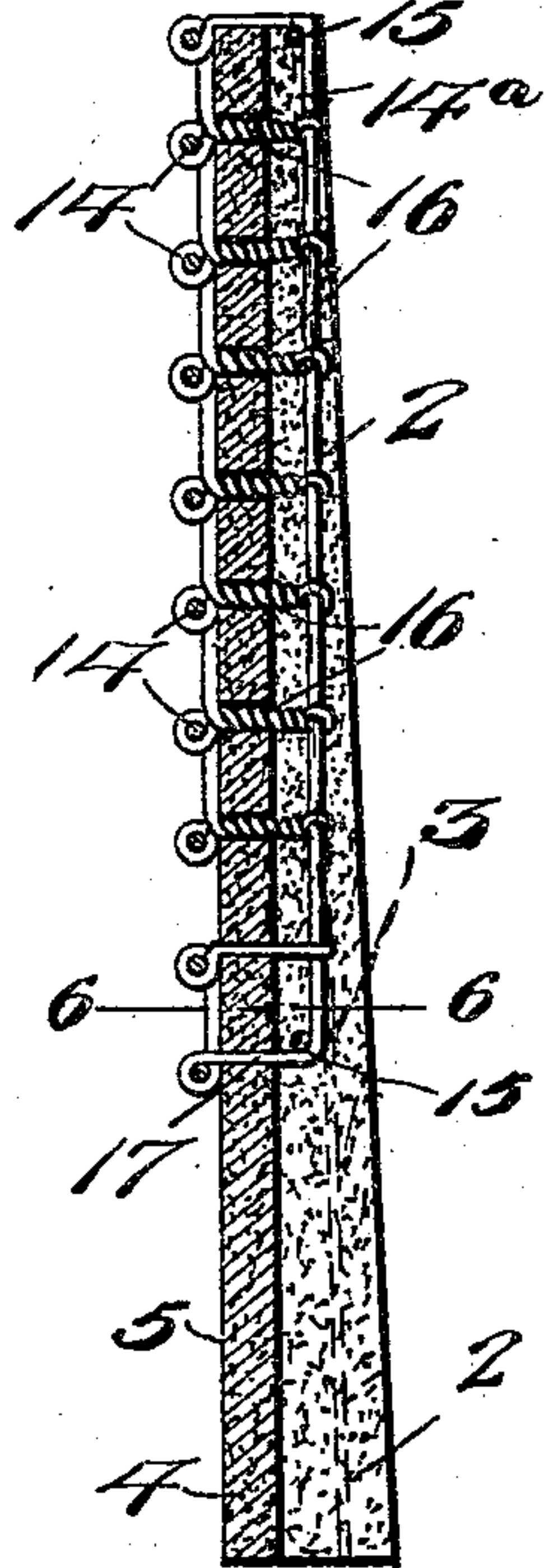


Fig. 4.

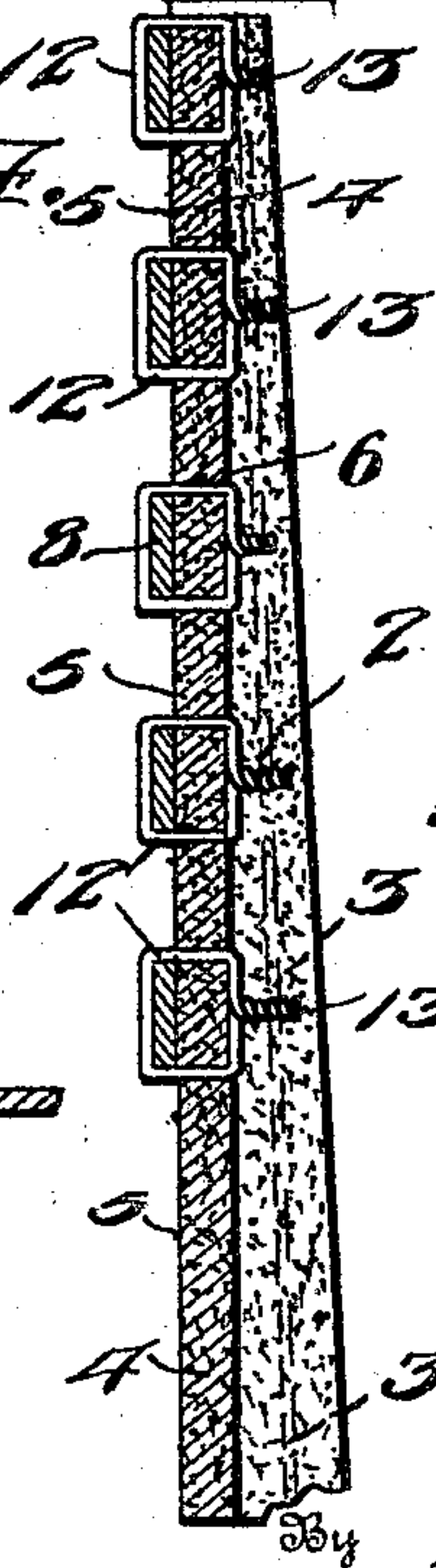


Fig. 5.

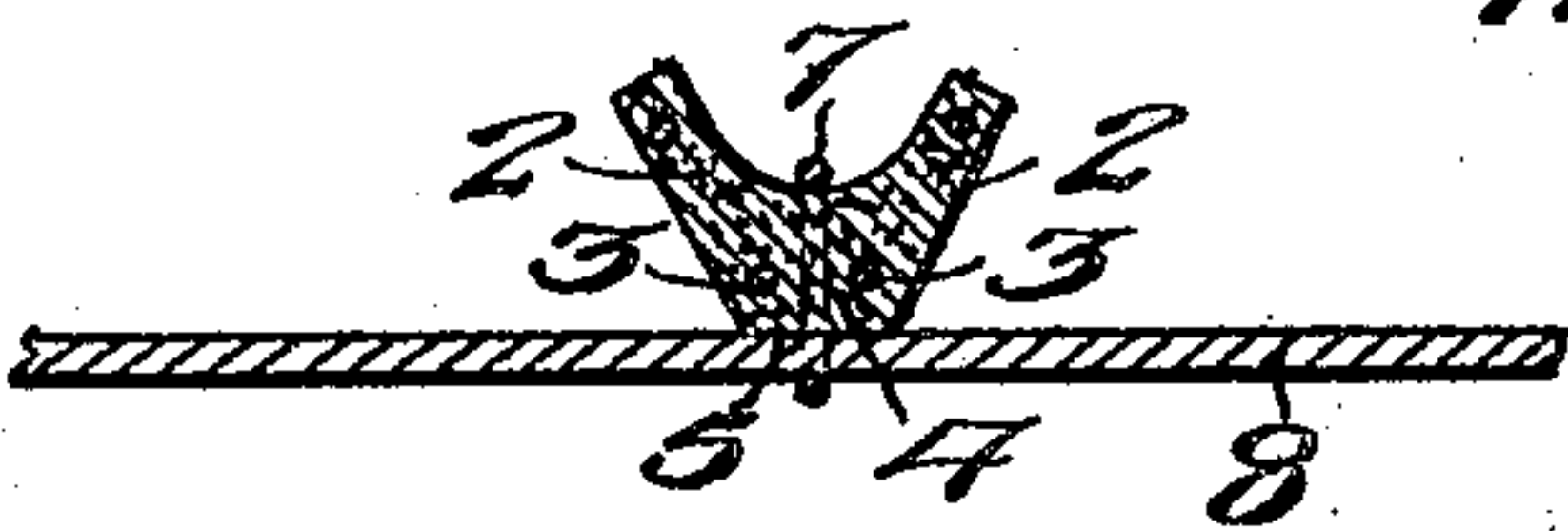
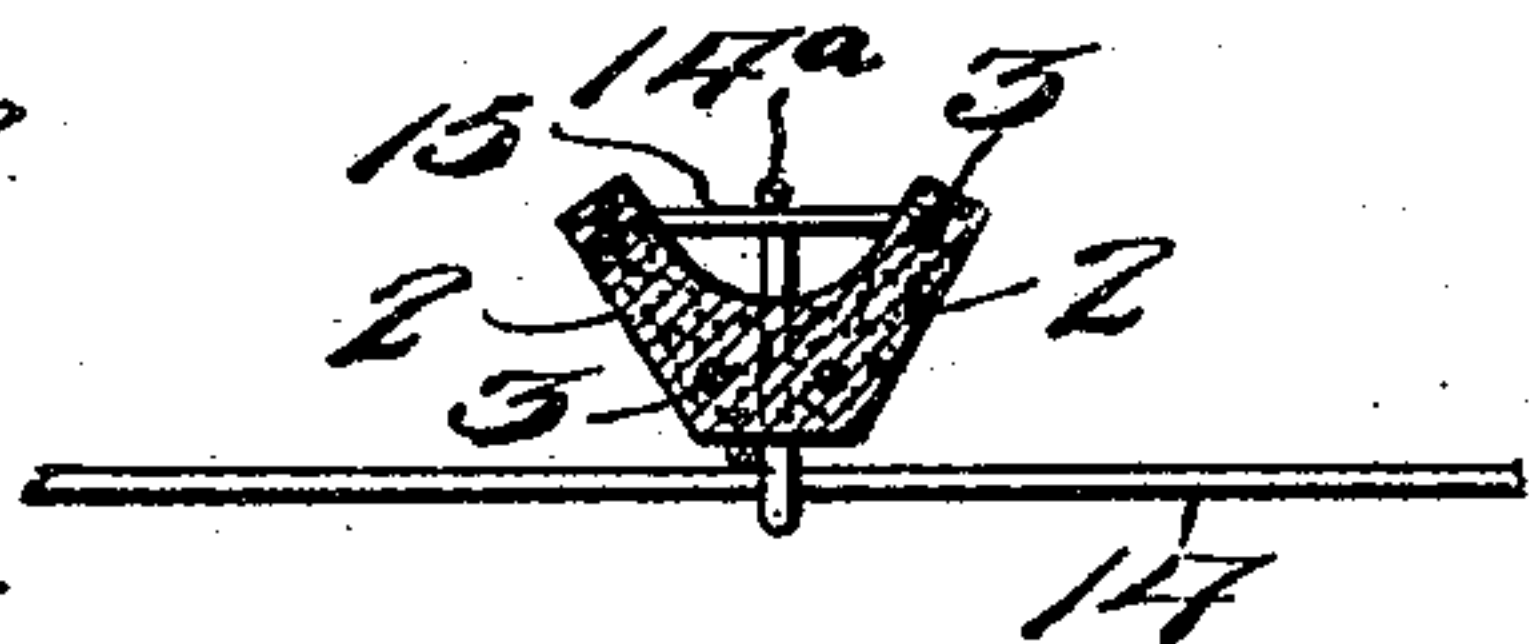


Fig. 6.



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FENCE-POST.

No. 820,207.

Specification of Letters Patent.

Patented May 8, 1906.

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To all whom it may concern:

Be it known that I, WILLIAM H. KIMBALL, a citizen of the United States, residing at Tallapoosa, in the county of Haralson and State of Georgia, have invented new and useful Improvements in Fence-Posts, of which the following is a specification.

My invention relates to fence-posts; and its primary object is to provide a novel and highly useful device of this character constructed of some plastic material, such as cement or the like, U-shaped in cross-section throughout its entire length, the cavity or groove of the post being U-shaped and terminating some distance in rear of the face of the post, and the flanges thereof being made comparatively wide at their lower ends and gradually diminishing upwardly, thus providing a fence-post with the maximum amount of strength from the use of a minimum amount of material and one which is comparatively simple of construction and which may be manufactured and sold at small cost.

With the above and other objects in view the invention consists in the construction hereinafter fully described, claimed, and illustrated in the accompanying drawings, wherein—

Figure 1 is a perspective view of a fence-post constructed in accordance with my invention. Fig. 2 is a central longitudinal sectional view thereof, illustrating the manner in which the wooden rails of an ordinary fence are secured to the post. Fig. 3 is a view similar to Fig. 2, illustrating the manner in which line-wires of a fence are secured in applied position to the post. Fig. 4 is a view similar to Fig. 2, illustrating slightly-modified means of securing the horizontal rails of a fence to the post. Fig. 5 is a transverse sectional view on the line 5 5 of Fig. 2, and Fig. 6 is a transverse sectional view on the line 6 6 of Fig. 3.

Referring to the drawings by reference-numerals, 1 designates a fence-post constructed of some suitable plastic material, such as cement or the like, the same being of U shape in cross-section throughout its entire length and the flanges 2 thereof being made comparatively wide at their lower ends and gradually diminishing upwardly, whereby to provide a fence-post which may be manufactured at a comparatively small cost and one which possesses a maximum amount

of strength from the use of a minimum amount of material. The flanges 2 are prevented from cracking or becoming otherwise injured by means of wires 3, which are embedded in the flanges and extend throughout the entire length thereof. The cavity or groove of the post is U-shaped and terminates some distance in rear of the face thereof, whereby the flanges are strengthened at their points of union with the connecting-bar 4, so as to prevent the collapse of the flanges while removing the post from the mold. The horizontal rails or line-wires of fence constructions may be clamped, and they are secured against the face 5 of the post, and the connecting-bar 4 is provided with a plurality of spaced openings 6 to permit of the application of the means for fastening either the horizontal rails or the line-wires of fence constructions to the post.

In Figs. 2 and 4 of the drawings I have illustrated slightly different means for securing the horizontal rails of a fence construction to the post. That construction of means illustrated in Fig. 2 consists of a single strand of wire 7, which is bent to clamp the rails 8 of a fence construction against the bearing-face 5 of the bar 4. One end of the strand is passed through the highest opening 6 to position its extremity in rear of the connecting-bar 4 and between the flanges 2, said extremity being bent to provide an eye 9, after which the strand is looped over the upper rail 8 and upper end of the post and thence bent downwardly in parallel and close relation to the inner face of the connecting-bar 4 to the next adjacent opening 6, as at 10, Fig. 2. The portion 10 is passed through the said next adjacent opening and again looped about the next adjacent rail 8 and passed through the next adjacent opening 6, thence downwardly in parallel and close relation to the inner face of the connecting-bar, as at 11, Fig. 2, and so on until all of the horizontal rails 8 are secured in the applied position. The lower end of the strand 7 is coiled to provide an eye 9^a, through which passes a portion of the strand which lies in engagement with the inner face of the connecting-bar 4. The means illustrated in Fig. 4 consist of several strands 12, each being looped about one of the rails 8 and having its ends passed through two of the openings 6 and then twisted, as at 13, Fig. 4.

In Fig. 3 of the drawings I have illustrated means for securing the line-wires 14 of a fence construction to the post, the same consisting of a single strand of wire. The portion 14^a of this strand is arranged between the flanges 2 and spaced from the connecting-bar by means of two transversely-arranged spacing-bolts 15. The end 16 of this strand is passed over the upper spacing-bolt 15 and the upper end of the post, after which it is coiled about the highest line-wire 14 and then turned downwardly and bearing against the face of the connecting-bar 4, then passed through the next opening 6 and coiled about the portion 14^a, then twisted upon itself and back through the opening 6, then coiled about the next adjacent line-wire 14, and so on until all except the two last line-wires 14 have been secured in applied position. The lower end 17 of the strand is passed under the lower spacing-bolt 15 and through the lowest opening 6, then extended upwardly in parallel and close relation with the face 5 of the connecting-bar 4 and coiled about the next adjacent line-wire 14, and thence through the next adjacent opening 6, and coiled about the portion 14^a.

From the foregoing description, taken in connection with the accompanying drawings, the construction and mode of operation of the invention will be understood without a further extended description.

Changes in the form, proportions, and minor details of construction may be made within the scope of the invention without departing from the spirit or sacrificing any of the advantages thereof.

Having fully described and illustrated my invention, what I claim is—

1. A plastic fence-post of U shape in cross-section, comprising two upwardly-tapering flanges having strengthening-wires embedded therein, a connecting-bar having a face and provided with a plurality of transverse openings, and means for securing the fence to the face of said connecting-bar.

2. A plastic fence-post of U shape in cross-section, comprising two upwardly-tapering flanges having strengthening-wires embedded therein, a connecting-bar having an inner and an outer face and provided with a plurality of transverse openings, and members for securing the fence-rails or line-wires of the fence to the outer face of the connecting-bar, and additional means for fastening said securing member to the inner face of the connecting-bar.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM H. KIMBALL.

Witnesses:

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