

No. 785,417.

PATENTED MAR. 21, 1905.

E. E. GARDNER.
FENCE POST.

APPLICATION FILED NOV. 2, 1904.

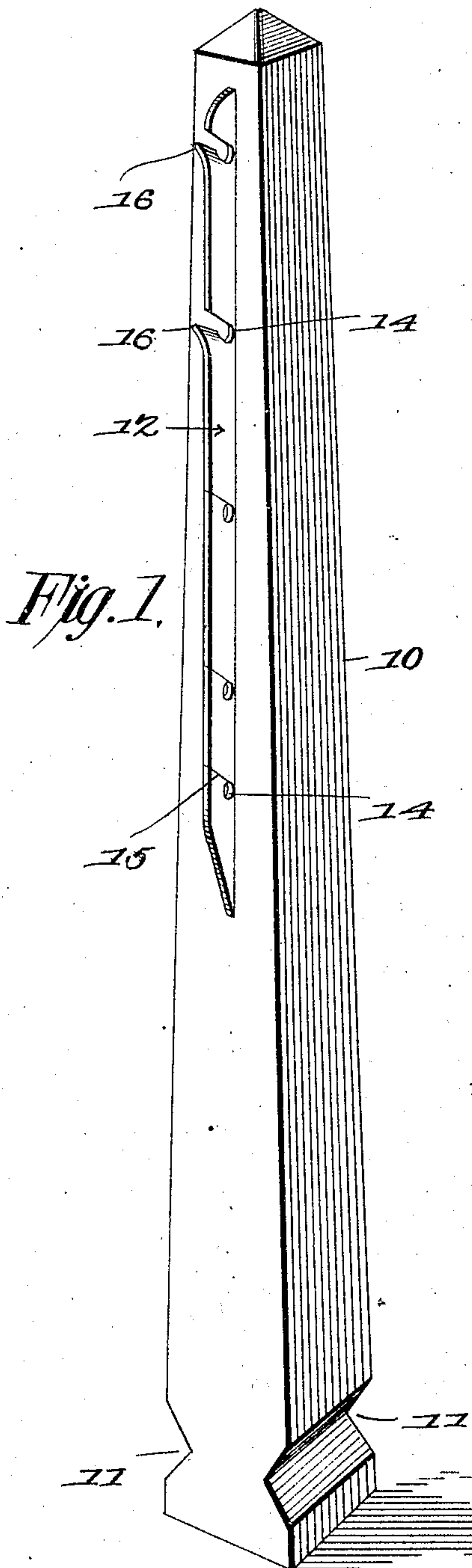


Fig. 4.

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Fig. 5.

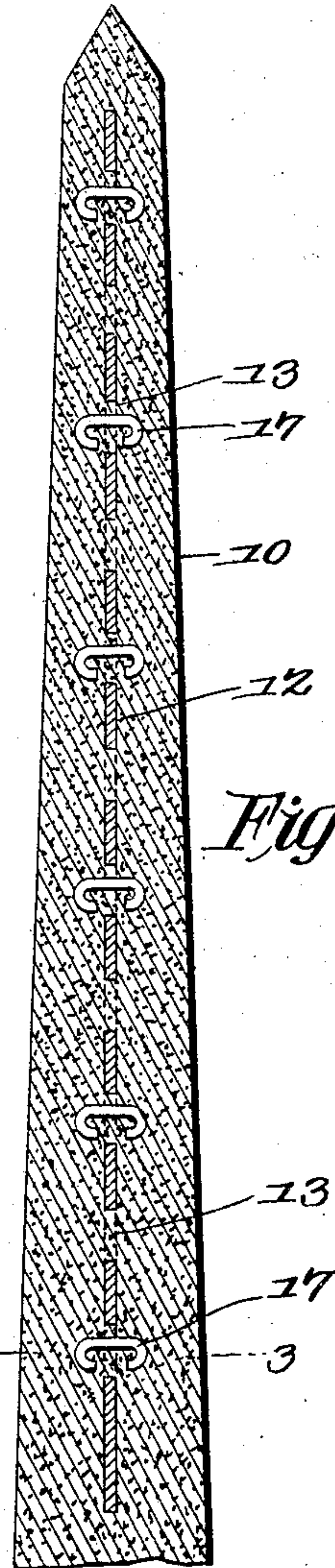
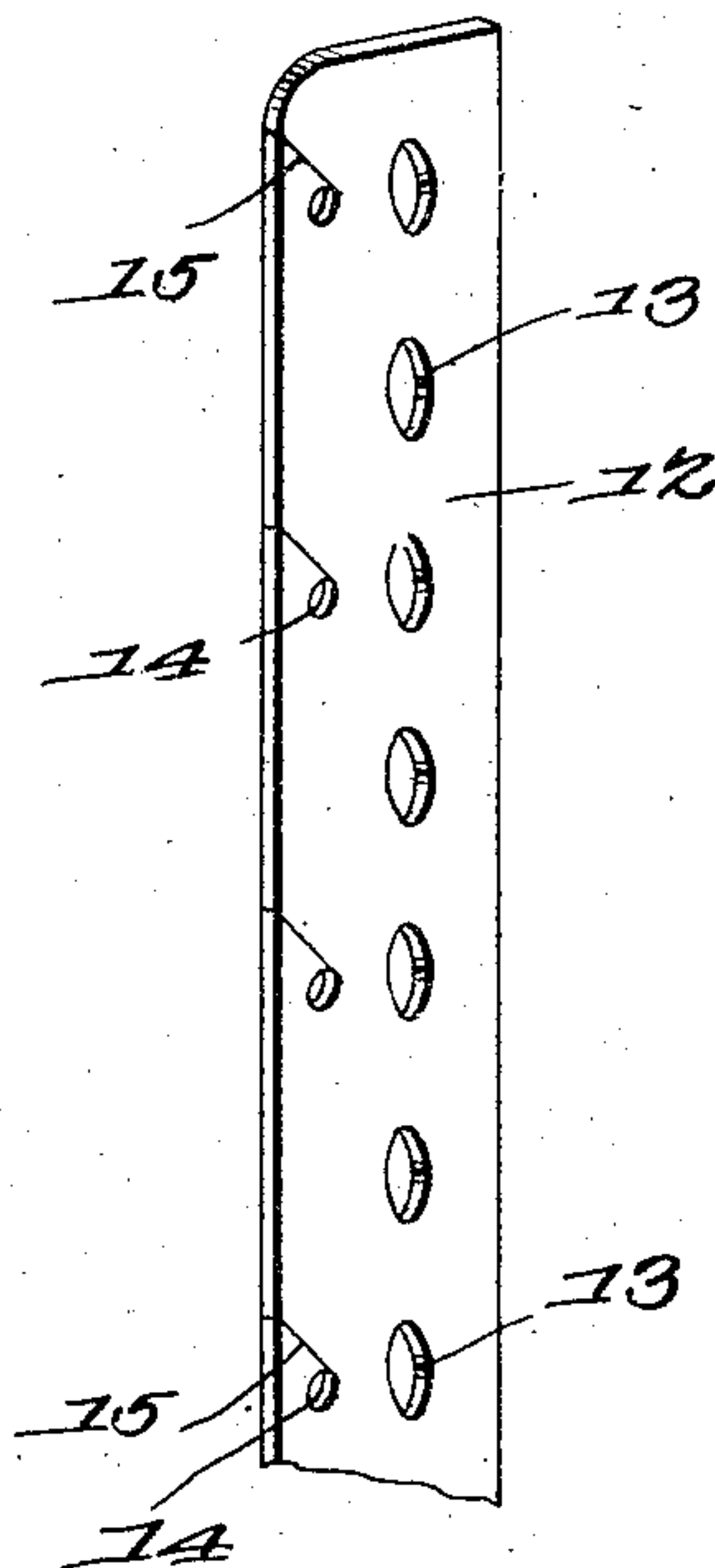
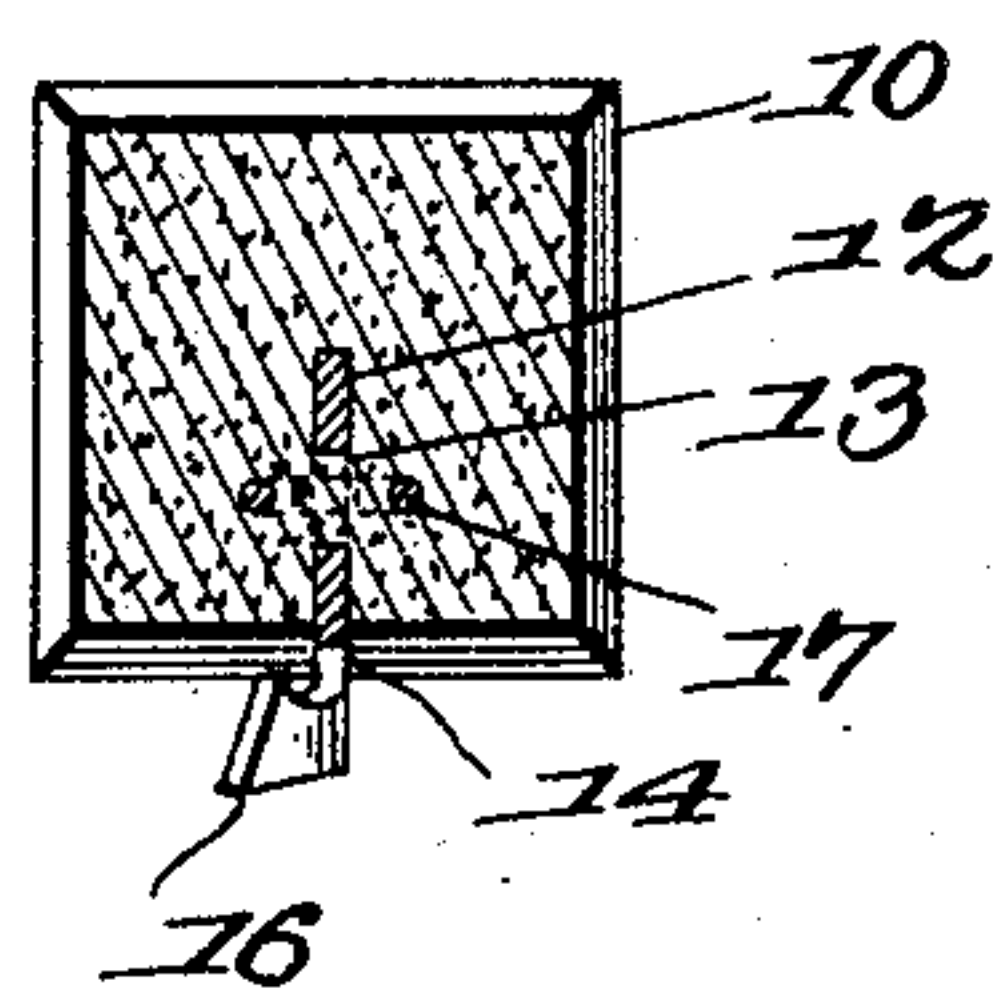


Fig. 2.

Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

EDMUND E. GARDNER, OF HAMLER, OHIO.

FENCE-POST.

SPECIFICATION forming part of Letters Patent No. 785,417, dated March 21, 1905.

Application filed November 2, 1904. Serial No. 231,143.

To all whom it may concern:

Be it known that I, EDMUND E. GARDNER, a citizen of the United States, residing at Hamler, in the county of Henry and State of Ohio, have invented a new and useful Fence-Post, of which the following is a specification.

This invention relates to fence-posts formed from artificial stone, concrete, or similar materials or compounds, and has for its object to improve the construction and increase the strength and durability and likewise simplify and improve the means whereby the fence-wires are attached.

With these and other objects in view, which will appear as the nature of the invention is better understood, the same consists in certain novel features of construction as hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which corresponding parts are denoted by like designating characters, is illustrated the preferred form of embodiment of the invention capable of carrying the same into practical operation, it being understood that the invention is not necessarily limited thereto, as various changes in the shape, proportions, and general assemblage of the parts may be resorted to without departing from the principle of the invention or sacrificing any of its advantages.

In the drawings thus employed, Figure 1 is a perspective view of one of the improved posts complete. Fig. 2 is a longitudinal section of the same. Fig. 3 is a transverse section on the line 3-3 of Fig. 2. Fig. 4 is a detached perspective view of one of the tie-rods. Fig. 5 is a perspective view of a portion of the improved core-plate detached.

The improved post herein described may be constructed of any required length or size according to the form of fence with which it is employed. If supported upon sub posts or bases, they will be from three to five feet in length, but if partially embedded they will be from six to eight feet in length. Then, again, the corner-posts and those employed at gateway-openings will be larger and stronger than the intermediate posts; but the improved and novel features of the invention

will be substantially the same in all the various sizes employed.

For the purpose of illustration an ordinary form of fence-post is shown at 10, square in transverse section and tapering toward the upper end and with transverse channels near the lower end, the lower end for embedding in the ground in the usual manner, and the channels to receive the soil or tamping and effectually preventing the upheaval of the post from the action of frost or from other causes.

Embedded by one edge in the post longitudinally is a sheet-metal core-plate 12, provided with a plurality of transverse apertures 13 relatively near the edge within the post and preferably elongated and with a plurality of apertures 14 near the edge protruding from the post and spaced apart to correspond with the strand-wires of a fence and adapted to receive the same, the apertures 14 each connected through the adjacent edge of the plate by clefts 15, inclined to the longitudinal plane of the plate, and the tongues thus released for bending laterally to provide for the insertion of the wires in the apertures and then bent back to the former position to prevent the removal of the wire.

It will be obvious that when the post is molded around the inwardly-projecting portion of the plate 12 the plastic material from which the body 10 of the post is constructed will enter the apertures 13, and thus very firmly anchor the plate within the post. As additional anchoring means small rods 17, hook-shaped at the ends, are inserted through the apertures during the process of the molding and extending each side of the plate. These anchoring-rods, as will be seen, are provided with inturned hooks at both ends, and they will therefore readily catch and be retained in the apertures 13 of the plate 12, no matter from which side they may be inserted, and they are free from liability of displacement when the said plate is placed in the mold. The most important feature, however, of said hooked rods is that owing to their peculiar construction they will greatly brace the material of which the post is constructed

against lateral or outward strain, said hooks being inturned, as shown, and thus caused to resist outward strain. When bracing devices of this kind are used, the posts exhibit
5 much less tendency to crack than when other bracing devices of which I am cognizant are employed.

Plastic posts have been made in which wire-supporting plates have been embedded, said
10 plates being provided with struck-up tongues; but these do not operate in the manner or subserve the purpose of my improved bracing-rods provided at the ends thereof with inturned hooks.

15 Having thus described the invention, what is claimed is—

A post of plastic material having embedded

therein a flat metallic plate one edge of which projects beyond the face of the post and constitutes wire-supporting means; the embedded
20 portion of said plate being provided with apertures and with binding members consisting of rods extending through said apertures and provided at the ends thereof with inturned
25 hooks to engage said apertures and to resist lateral strain.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

EDMUND E. GARDNER.

Witnesses:

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