

No. 781,537.

PATENTED JAN. 31, 1905.

H. C. LOWER.

FENCE POST.

APPLICATION FILED APR. 9, 1904.

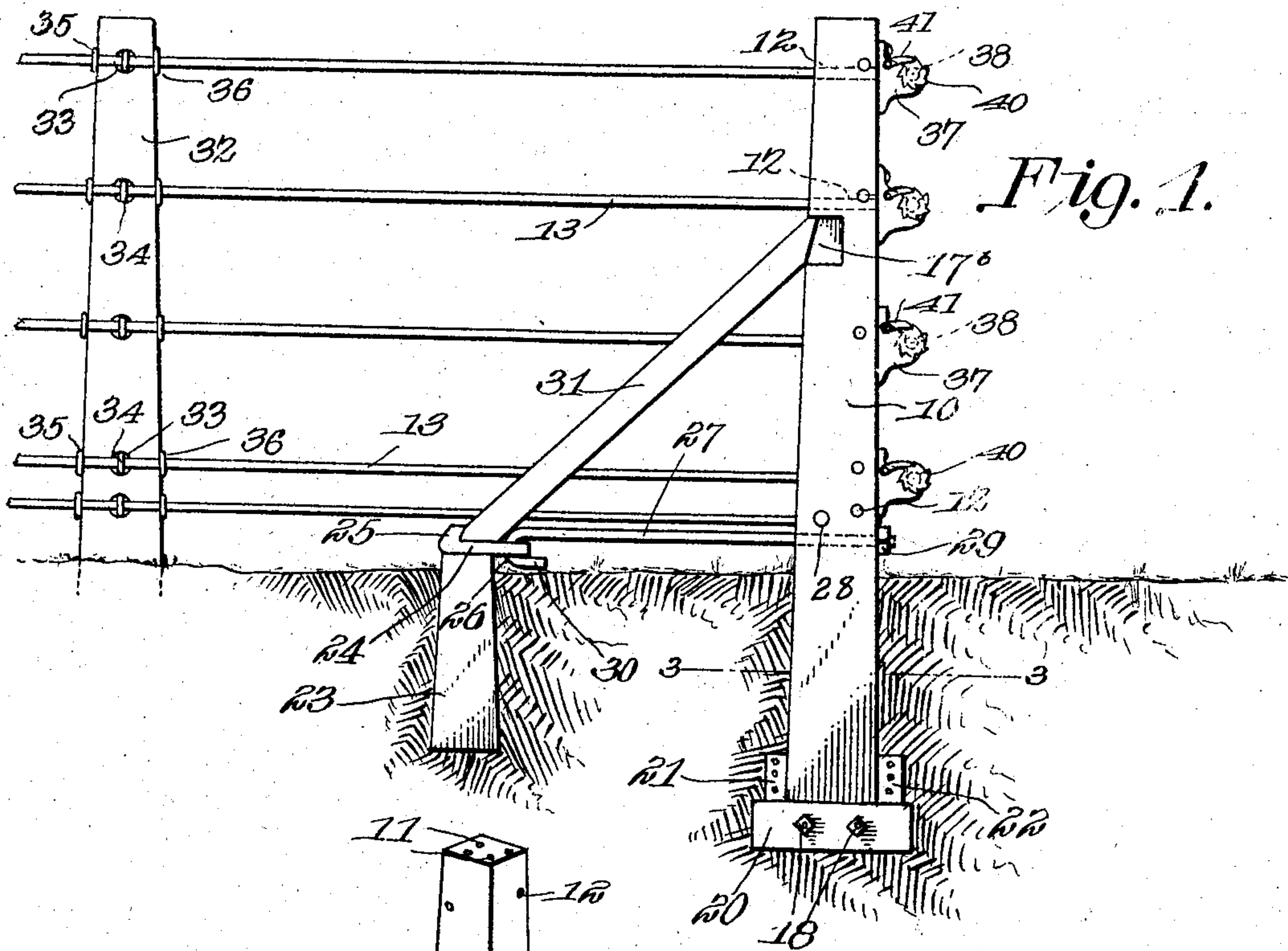


Fig. 1.

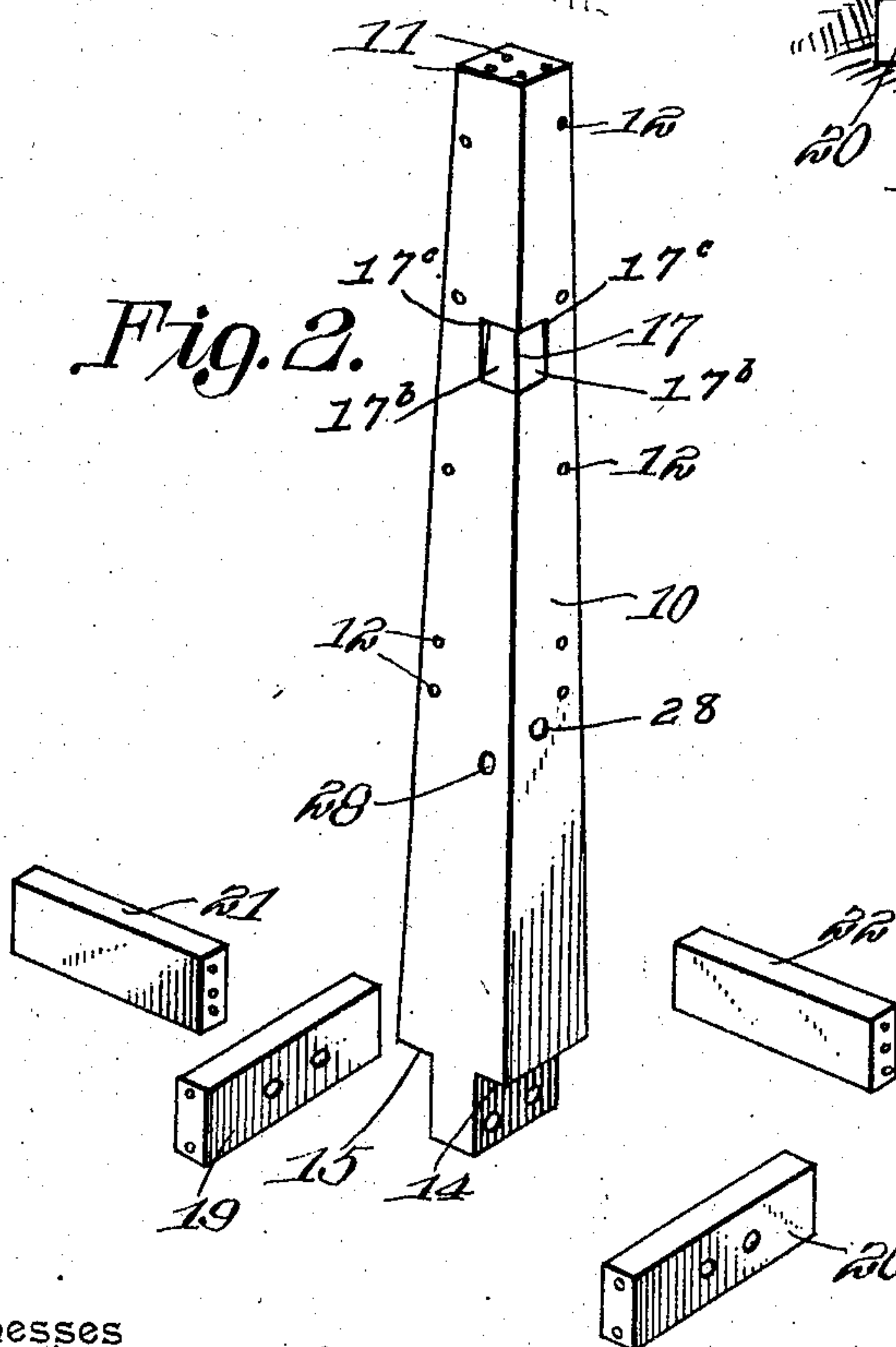


Fig. 2.

Witnesses
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UNITED STATES PATENT OFFICE.

HENRY C. LOWER, OF ATLANTA, INDIANA.

FENCE-POST,

SPECIFICATION forming part of Letters Patent No. 781,537, dated January 31, 1905.

Application filed April 9, 1904. Serial No. 202,386.

To all whom it may concern:

Be it known that I, HENRY C. LOWER, a citizen of the United States, residing at Atlanta, in the county of Hamilton and State of Indiana, have invented a new and useful Fence-Post, of which the following is a specification.

This invention relates to fence-posts, and especially to fence-posts constructed of plastic material, such as concrete or cement; and it has for its object to simplify and improve the construction and to produce a post having means for effectually bracing the same.

With this and other ends in view, which will appear as the nature of the invention is better understood, the same consists in the improved construction and novel arrangement and combination of parts to be hereinafter fully described, and particularly pointed out in the claims.

In the accompanying drawings has been illustrated a preferred form of embodiment of the invention, it being understood, however, that no limitation is necessarily made to the precise structural details therein exhibited, as various changes in the shape, proportions, and general assemblage of parts may be resorted to without departing from the principle of the invention or sacrificing any of its advantages.

In said drawings, Figure 1 is a side elevation showing a portion of a fence in the construction of which the invention is exhibited. Fig. 2 is a perspective view representing one of the corner-posts and the anchor-plates connected.

Corresponding parts in both figures are indicated by like characters of reference.

The post 10 is preferably of concrete, artificial stone, or similar compounds or compositions and is provided with longitudinal binder-wires 11 embedded therein when the post is molded and also provided with a plurality of transverse apertures 12 for the strand-wires 13. In posts to be employed at corners it is intended to have two sets of such transverse perforations crossing each other at right angles, as will be seen in the drawings. The lower ends of the posts are provided with transverse recesses forming shoulders 14 15, the portions between said recesses being pro-

vided with bolt-holes for the passage of bolts, by means of which anchor-plates 19 20 may be secured in position. Additional anchor-plates 21 22 are supported upon the anchor-plates 19 20, the said anchor-plates combining to form a base whereby the post will be secured firmly in position.

The post is provided at one of its corners, near its upper end, with beveled-faced notches 17^b 17^b, having upwardly-inclined flat faces, at the upper edges of which shoulders 17^c are formed, said shoulders merging together so as to overhang the notches or recesses. This construction is particularly well adapted to posts that are formed of plastic material, inasmuch as said notches being directly adjacent to each other may be readily formed in the process of molding and without obstructing the removal of the post from the mold. When the post is formed of other than plastic material, said recesses may very easily be formed. Near the ground-line and in the vertical planes of the notches or recesses the post is provided with transverse perforations 28, crossing each other at right angles. These perforations are for the passage of the tie rod or rods to be presently described.

When the improved post is to be utilized as a gate-post or as a corner-post or in other locations where it will be subjected to heavy strain, a bracing device is utilized which will now be described. This bracing device has in Fig. 1 of the drawings been shown as applied only to one side of a post; but it is obvious that for a corner-post the bracing device will be duplicated to enable the post to resist strain in two directions at approximately right angles. In this bracing device is included a brace-bearing post 23, which is embedded in the ground at a short distance from the post 10, said post projecting a short distance from the ground, and preferably with its lower end the largest to prevent upward movement under the action of frost and also to increase the lateral base to prevent the settling of the post in damp weather or when employed in damp soil. Loosely supported upon the post 23 is a foot-plate 24, having at one end an inwardly-inclined rib 25 and at the other end an aperture 26, into which is hooked one end of a tie-

rod 27, the opposite end of which is extended through one of the apertures 28 near the ground-line of the post and is threaded for the reception of a nut 29, bearing against the
5 post. A brace 31 is provided with ends suitably shaped to engage one of the recesses or notches 17^b and the rib 25 of the plate 24. The brace when thus arranged can be tightened very securely in the desired position by
10 simply tightening the nut 29, causing the plate 24 to move in the direction of the post, and consequently binding the brace very securely in the desired position. When the
15 post to be braced or reinforced is a corner-post, a bracing device exactly resembling the one which has been just described will be disposed at right angles thereto. The post thus reinforced will readily resist any strain to
20 which it is liable to be subjected without sagging and without being drawn out of line.

In the construction of a fence intermediate posts, as 32, are employed, said posts having apertures 33 for the passage of wires 34, which are first bent into elongated U shape
25 and looped around the strand-wires, the ends of said fastening-wires being bent in opposite directions around the rear side of the post and the free ends being coiled around the strand-wire, as shown at 35 36. The corner-post of
30 the fence has attached thereto opposite each strand-wire a wire-tightening device, said devices having been shown as including brackets 37 and drums 38, having ratchet-wheels 40, engaged by pawls 41; but these devices are no

part of the present invention and have been 35 shown only as elements in a complete fence.

Having thus described the invention, what is claimed is—

1. A fence-post provided with recesses or shoulders at its lower end and provided near 40 its upper end, at one corner, with two upwardly and inwardly inclined or beveled-faced notches provided at their upper edges with shoulders overhanging said notches and merging together at the corner of the post, said 45 post being provided above the ground-line with transverse perforations disposed in the vertical planes of the inclined notches.

2. A fence-post having a beveled-faced inclined notch near its upper end and a trans- 50 verse perforation above the ground-line registering with said notch, in combination with a brace-bearing post set at a distance therefrom, a flanged plate loosely supported upon said post and having an eye, a hooked rod en- 55 gaging said eye extending through the perforation in the post and having a projecting threaded end, a nut upon the latter, and a brace engaging the flanged plate and the inclined notch in the post. 60

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

HENRY C. LOWER.

Witnesses:

JOHN A. HEISSER,
JOHN E. LOWER.