No. 722,126. PATENTED MAR. 3, 1903.

J. A. MITCHELL.

PLASTIC GATE AND CORNER POST.

APPLICATION FILED OCT. 9, 1902.

NO MODEL.

Fig. 1.

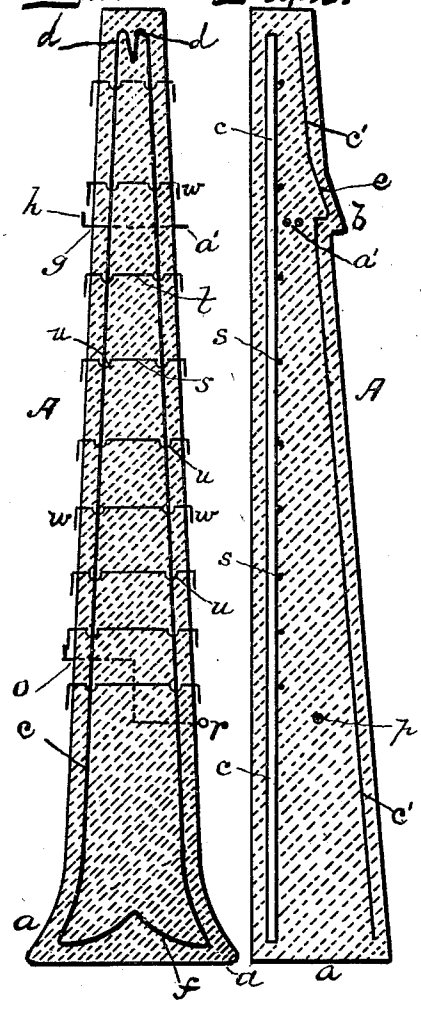


Fig. 2.

Fig. 3.

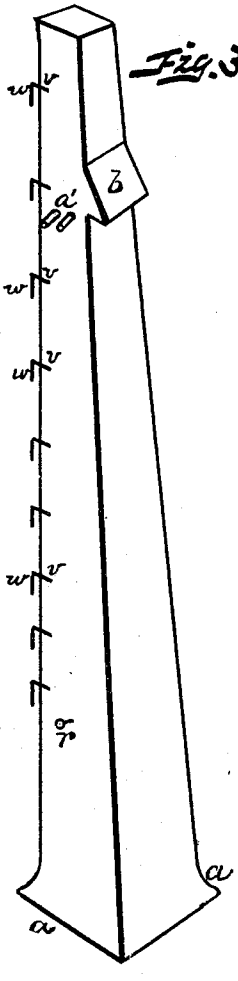


Fig. 4.

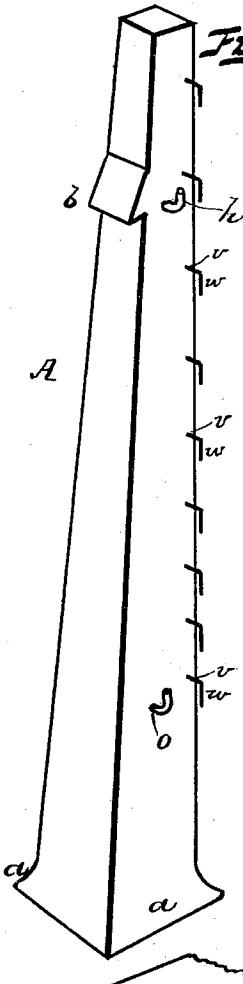


Fig. 7.

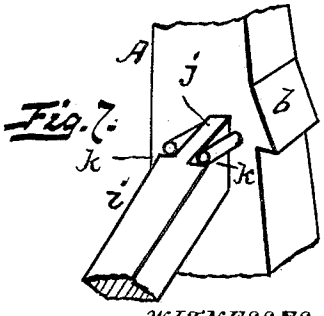


Fig. 8.



Fig. 5.

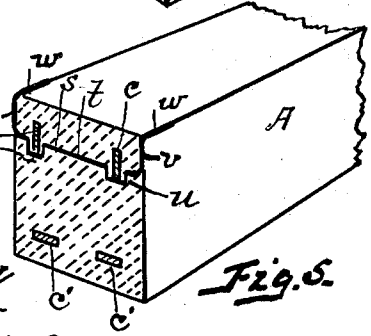


Fig. 6.

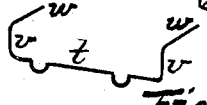
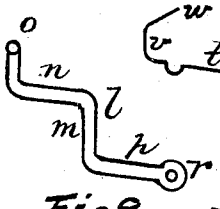


Fig. 9.



WITNESSES

Jas B. Clarke

M. M. Morris

INVENTOR.

J. A. Mitchell

by E. H. Bates Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JAMES A. MITCHELL, OF HILLSDALE, MICHIGAN.

PLASTIC GATE OR CORNER POST.

SPECIFICATION forming part of Letters Patent No. 722,126, dated March 3, 1903.

Application filed October 9, 1902. Serial No. 126,556. (No model.)

To all whom it may concern:

Be it known that I, JAMES A. MITCHELL, a citizen of the United States, residing at Hillsdale, in the county of Hillsdale and State of Michigan, have invented certain new and useful Improvements in Plastic Gate or Corner Posts; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention has relation to improvements in plastic fence-posts, and more particularly to those applicable to supporting a gate and to those designed to be used at the corners of the line of fencing; and it consists in the novel construction, combination, and arrangement of the same, all as will be hereinafter more fully explained, and particularly pointed out in the appended claims.

The annexed drawings, to which reference is made, fully illustrate my invention, in which—

Figure 1 represents a vertical sectional view of my improved plastic fence-post. Fig. 2 is also a vertical sectional view of the same. Fig. 3 is a perspective view of the post. Fig. 4 is also a perspective view. Fig. 5 is a detail cross-sectional view, and Fig. 6 is a perspective view of one of the tie-wires detached from the post. Fig. 7 is a detail perspective view. Fig. 8 is a perspective view of the forked iron, and Fig. 9 is a perspective view of the angular iron.

Referring by letter to the accompanying drawings, A designates the cement or plastic post, which is constructed in tapering form from bottom to the top, the bottom having base *a*, which when the post is set in the ground forms an anchor and serves to prevent the post from displacement. At the upper portion of this post is formed an offset shoulder *b*, that receives one end of an ordinary brace-bar, whereby this corner-post is braced. Within the post is arranged a strengthening-bar *c*, which extends from the bottom of the post to the top thereof, where the same is bent upon itself, as at *d d*, and the lower end of the iron bar *c* is bent outwardly and again upon itself inwardly and upwardly, as shown at *f*, and by thus bending the bar the flange *a* is formed at the bottom of the post, thereby giving said post a firm anchorage.

c' c' represent metal bars, each of which extends from the bottom of the post to the top thereof, and the same are arranged within the post at right angles to the bar *c*, and said bars *c' c'* are bent outwardly, as at *e*, at the point where the offset *b* of the post is formed, thus strengthening and reinforcing said offset.

At the upper portion of the post is a forked rod *g*, which passes transversely through said post, one end *h* of which projects from the post and is bent upward, forming a pintle for the eye of a gate-hinge, and the opposite forked end extends a short distance from the face of the post and serves to secure the upper end of a brace-bar *i* thereto. Said bar is provided with a central tongue *j*, which passes between the two projecting prongs *a'* of the rod *g*, while said prongs rest upon the top or shoulders *k k* of said brace-bar, the tongue serving to prevent lateral movement of the brace-bar.

At the lower portion of the post is embedded an iron *l*, which is bent in peculiar form, the central or body portion *m* of which is vertical when it is bent at its upper portion horizontally, as at *n*, and the extreme end projects beyond the face of the post, as at *o*, and is bent upward, forming a gate-hinge pintle corresponding with the pintle at the upper portion of said post. This iron *l* is also bent at the opposite end into a horizontal arm *p*, the extreme end of which projects from the face of the post and is formed into an eye *r*, to which a brace-wire may be attached.

This post is provided with the wires *s*, which are designed to secure the line-wires of a wire fence to the post and are of a peculiar formation. The transverse portion *t*, that is embedded in the plastic post, is bent in U-shaped form, as at *u u*, in which are seated the two vertical bars *c*, and the opposite portions *v v* are bent at right angles to the main or body portion, while the extreme ends *w w* are again bent at right angles to the portions *v v* and extend on either side of the gate-post.

It will be readily observed from the above description when taken in connection with the annexed drawings that my device can be

used as a corner-post and a line-post, as well as a gate-post, but it is designed more particularly for a gate-post, and that by the peculiar construction of the inner strengthening-irons a preferred shape is given to the post at its base and at the upper portion, and the peculiar shape of the forked iron and the lower angular iron prevents either of these irons from pulling out, and the same is true of the tie-wires for the reason that the iron vertical bars are seated in the U-shaped portion thereof, and a device as herein described is durable, ornamental, and at the same time inexpensive.

Having thus described my invention, what I claim is—

1. The combination with the plastic post, of the embedded iron *g* having at one end the prongs and at the other end the pintle, the angular embedded iron *l* provided at one end with an eye and at the opposite end with a pintle, said eye, forked end and pintles projecting from the post, substantially as described.

2. A plastic fence-post having the projecting shoulder or offset *b* and the embedded vertical strengthening-bars, provided with the outwardly-bent portions, extending into said shoulder, substantially as described.

3. The combination with a plastic fence-post, having the shoulder *b* of the embedded vertical bar *c*, the lower end bent outwardly and the upper end bent upon itself, the embedded bars *c'*, *c'* bent outwardly at their upper portion, providing projections, said projections extending into and reinforcing the shoulder *b*, substantially as described.

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

JAMES A. MITCHELL.

Witnesses:
W. M. HOFFMAN,
E. H. BATES.