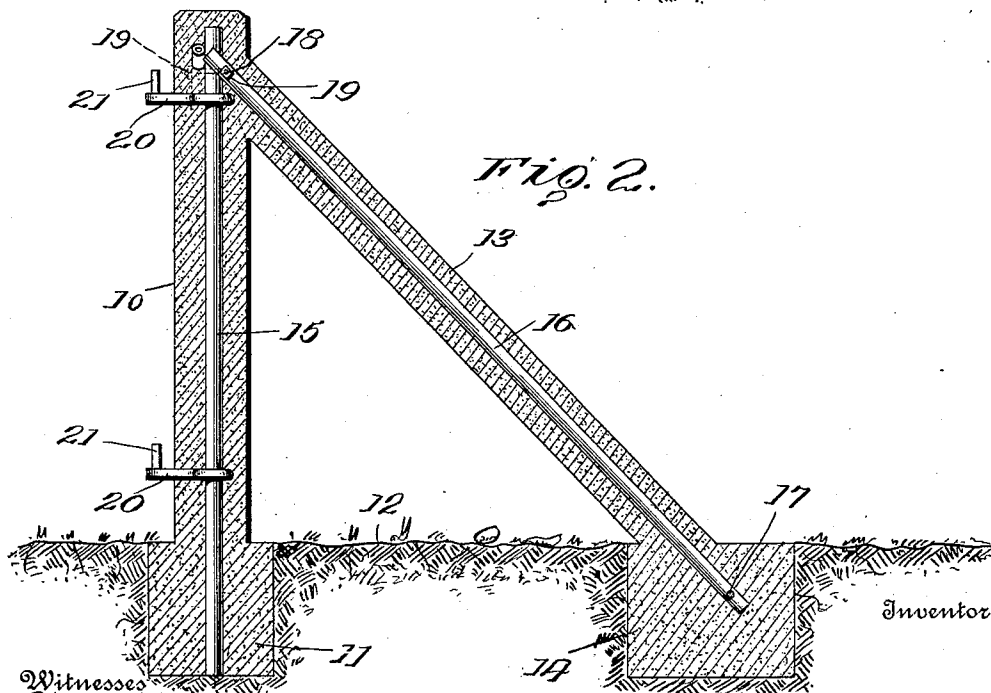
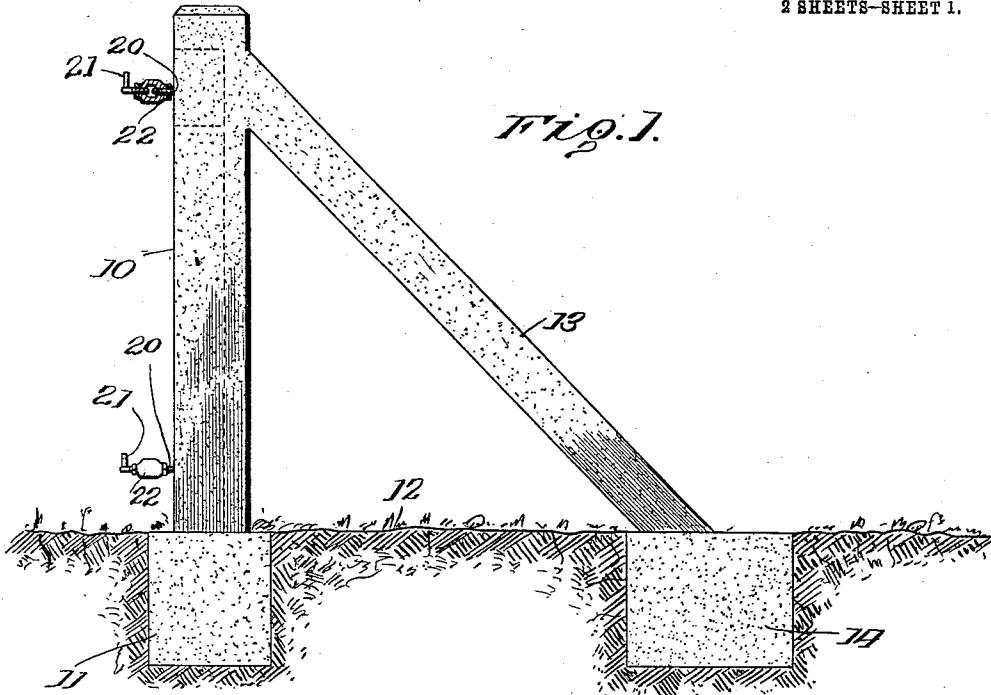


T. A. McQUIRK.
CONCRETE POST.
APPLICATION FILED FEB. 19, 1912.

1,064,356.

Patented June 10, 1913.
2 SHEETS—SHEET 1.



Witnesses
W. M. Woodman
B. M. Espey

By

W. M. Woodman

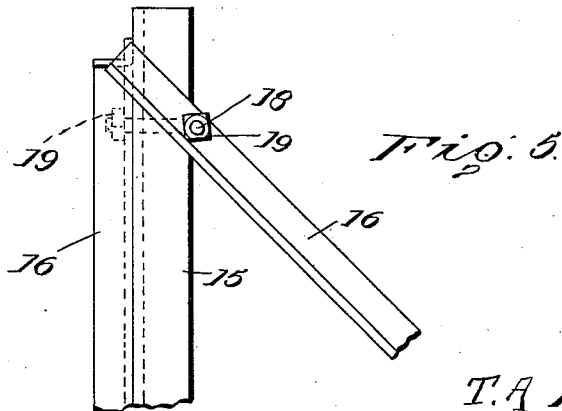
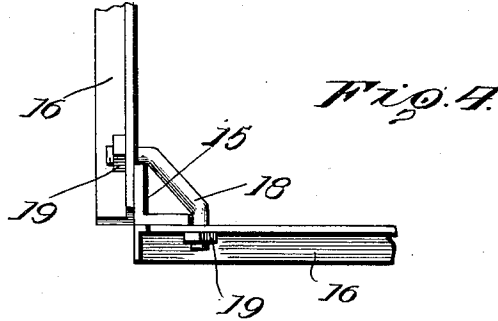
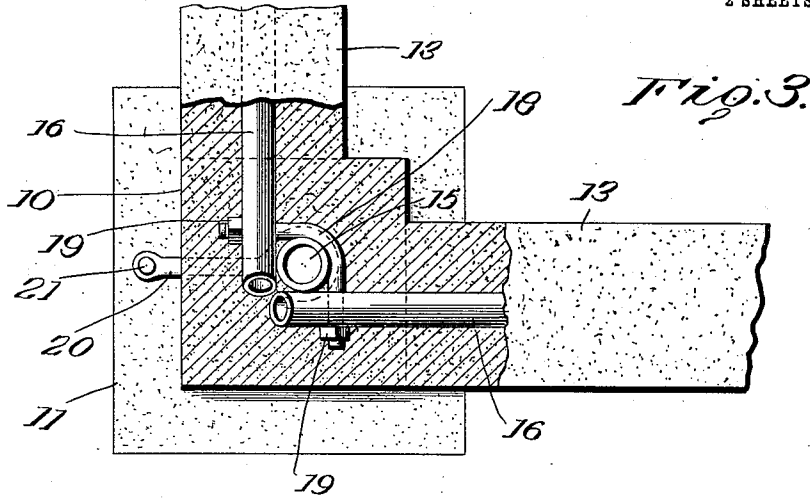
Attorneys

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2 SHEETS—SHEET 2.



Witnesses
W. A. Woodson
W. A. Woodson

Inventor
T. A. Mc Quirk

By

W. A. Woodson, Attorney.

UNITED STATES PATENT OFFICE.

THOMAS A. McQUIRK, OF TONKAWA, OKLAHOMA.

CONCRETE POST.

1,064,356.

Specification of Letters Patent.

Patented June 10, 1913.

Application filed February 19, 1912. Serial No. 678,742.

To all whom it may concern:

Be it known that I, THOMAS A. McQUIRK, citizen of the United States, residing at Tonkawa, in the county of Kay and State of Oklahoma, have invented certain new and useful Improvements in Concrete Posts, of which the following is a specification.

This invention relates to improvements in posts, and more particularly to corner posts for fences, and has for one of its objects to provide a simply constructed combination concrete and metal post of improved construction and increased efficiency and utility.

Another object of the invention is to provide a combination concrete and metal post having reinforcing metal braces embedded in concrete and united at their confronting ends within the concrete envelop.

With these and other objects in view, the invention consists in certain novel features of construction as hereinafter shown and described, and then specifically pointed out in the claims and in the drawings illustrative of the preferred embodiment of the invention: Figure 1 is a side elevation of one of the improved posts with the lower ends embedded in the ground; Fig. 2 is a plan view of the same; Fig. 3 is a sectional view on the line 3—3 of Fig. 2. Fig. 4 is a plan view showing a modified form of the frame of the post. Fig. 5 is a side elevation of the modification shown in Fig. 4.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawing by the same reference characters.

My improved device comprises a body formed of concrete and including an upper portion 10 and a lower enlarged portion 11, the enlarged portion being embedded in the ground, represented at 12, while the upper portion 10 comprises the portion of the post above the ground, and may be of any required size or form, but for the purpose of illustration is shown square transversely and slightly tapered toward the upper end. Branched diagonally from the body 10 are braces 13, preferably at right angles to the body and molded at the same time therewith. The braces 13 are enlarged at their lower ends, as shown at 14, and the enlargements embedded in the ground.

Extending through the center of the body 10 and its enlarged base 11 is a metal reinforcing core 15, while a similar metal core

16 is embedded in the braces 13 and extends into the enlargements 14 of the same. Near its lower end, each of the cores 16 is provided with a transverse anchor bolt 17 which projects laterally from the base and into the concrete material 14.

Extending by its ends through the metal reinforcing brace 16 is a curved tie rod 18 threaded at its ends and provided with nuts 19 bearing against the outer faces of the reinforcing braces. By this simple means, the reinforcing braces may be firmly clamped together before the concrete material is poured around them, and then when the post is completed the tie rods and their nuts together with the reinforcing members are entirely concealed within the concrete material.

When the post is to be employed for a gate, eyebolts 20 are secured around the reinforcing member 15 at suitable points and project through the concrete material and terminate in vertically directed pintles 21 to receive the opposing hinge members of the gate.

When the post is to be constructed, cavities are formed in the ground to receive the enlarged portions 11—14, and the molds erected in suitable position to receive the reinforcing members 15—16, and the concrete material then poured around the same, and thus embedding and entirely concealing the reinforcing members, including the anchor members 17, the clamp member 18, together with its nuts 19, and the gate hinge members 20—21. When the concrete material is "set" the mold is removed and transferred to the next location where a post is to be erected.

When located intermediate of a long line of fence, when it is desired to brace the post from the strain of the strand wires from opposite directions, the braces 13 will be located at opposite sides of the posts, and when the post is erected at points where the strain is all in one direction, for instance when employed as the ordinary latch or hinge post of a gate, only one of the braces will be required.

Any required concrete compound may be employed, and it is not desired, therefore, to limit the invention to any specific proportions of the concrete.

In Fig. 1 the gate-supporting member is shown supplied with a turn-buckle device

22 to enable the gate to be adjusted to overcome any inequalities and to cause the gate to automatically swing into closed position.

5 In the form of the parts which constitute the frame of the post as shown in Figs. 4 and 5, the cores 15 are formed from angle iron instead of from tubes as shown in Figs. 2 and 3.

10 Having thus described the invention, what is claimed as new is:

1. A post including a vertical core, a pair of diagonal brace members bearing by their upper ends against the core, an L-shaped tie bolt bearing about the upper end of the
15 core with its ends passed through the upper ends of the braces, nuts threaded upon the ends of said tie bolt, and an integrally formed envelop of concrete surrounding the core and braces.

20 2. A post including a vertical core L-shaped in section, a pair of diagonal brace members also L-shaped in section and bear-

ing against the outer faces of the core and extending outwardly and downwardly from the angular edge thereof, a tie bolt bearing
25 transversely across the core and extending over the edges of its angularly disposed sides, the ends of the tie bolt being angularly directed and passed through those
30 sides of the brace members bearing against the sides of the core, said angularly directed ends bearing against the edges of the core, nuts threaded upon the ends of said tie bolt and bearing against the inner faces of those
35 sides of the brace members through which the tie bolt passes, and an integrally formed envelop of concrete surrounding the core and braces.

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

THOMAS A. McQUIRK. [L. S.]

Witnesses:

W. W. DAVIS,

W. R. STRANGE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."