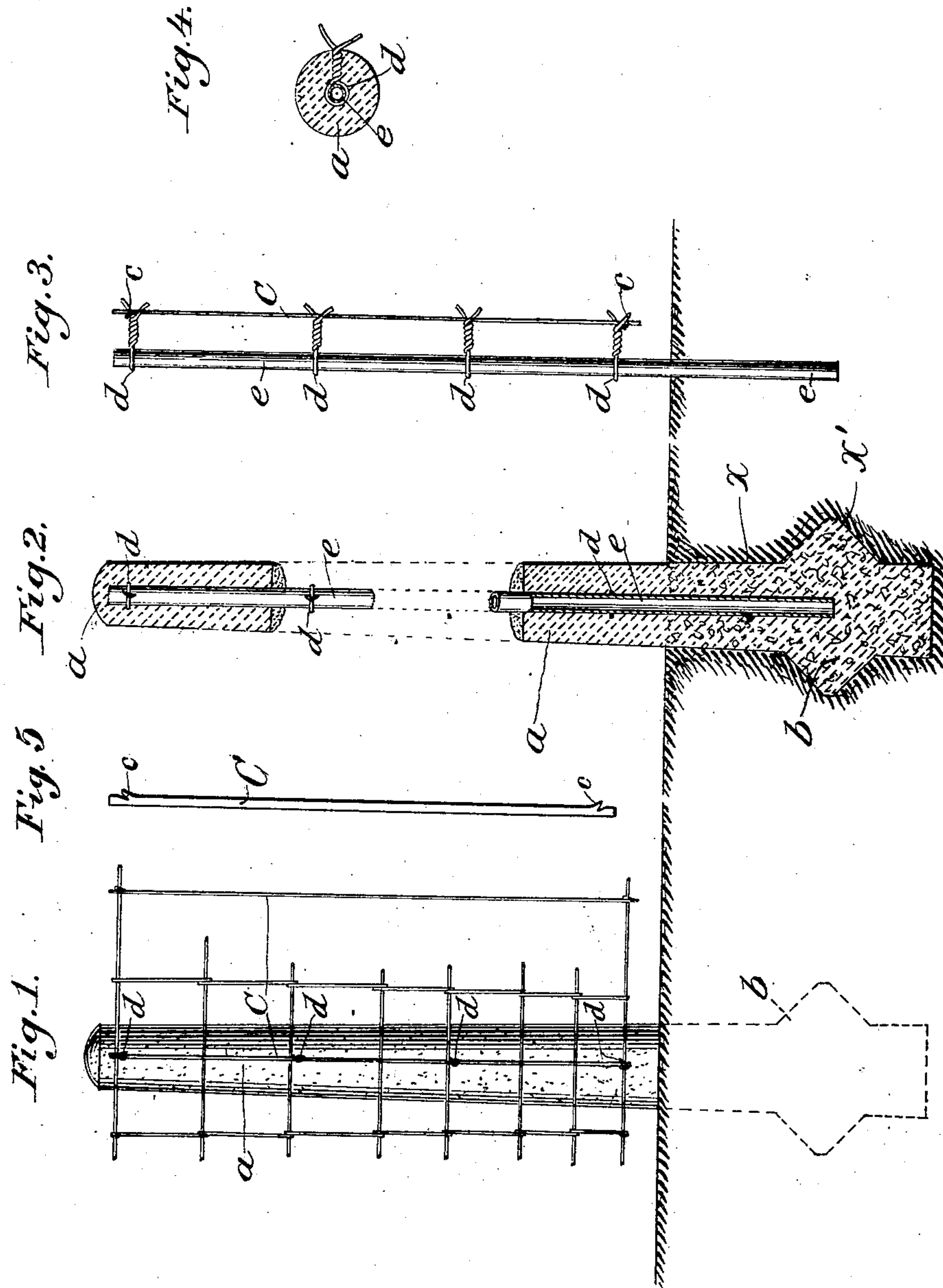


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PATENTED APR. 7, 1908.

G. W. PYLE.
FENCE POST.

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Witnesses:
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UNITED STATES PATENT OFFICE.

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FENCE-POST.

No. 883,913.

Specification of Letters Patent.

Patented April 7, 1908.

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To all whom it may concern:

Be it known that I, GEORGE W. PYLE, a citizen of the United States, residing at Geneva, in the county of Adams and State of Indiana, have invented certain new and useful Improvements in Fence-Posts, of which the following is a full, clear, and exact description, such as will enable any one skilled in the art to which my invention pertains to make and use the same.

The invention comprises a post of such construction as to be both easily and cheaply made, and yet which shall be possessed of great strength and rigidity in use and of superior lasting qualities.

For a full understanding of the invention, including its construction and characteristic advantages, reference is to be had to the following detail description and accompanying drawings, in which—

Figure 1 is a view in elevation of a post made in accordance with the present invention, and showing a conventional form of metallic fence secured thereto; Fig. 2 is a vertical sectional view of the post, partly broken away; Fig. 3 is a side elevation of the core and attaching means; Fig. 4 is a cross section of the post, Fig. 5 is a detail view showing more clearly the construction of the vertical rod and its shoulders.

Similar parts are referred to throughout the description and indicated on the several views of the drawings by the same reference characters.

In carrying out my invention I dig in the ground by any suitable means a hole x of the desired depth and of any convenient form in cross section, preferably cylindrical if dug by an auger. Said hole is then formed near its bottom with an annular enlargement x' , preferably V-shaped in cross section, said enlargement being formed by any convenient means, as by a special attachment upon the auger, but forming no part of the present invention.

My post comprises two principal parts,—the body portion a and the core e . The body portion is formed of plastic material, such as concrete, and the core is preferably of metal tubing of such length as to extend substantially from the center of the enlargement x' of the hole to the top of the finished post and centrally thereof.

At suitable intervals the core is provided with attaching devices in the form of strong wire loops d twisted about the core and

embedded in the concrete body and with their ends projecting laterally from the post whereby the members of the fence may be attached thereto. In order to better space the several loops d and to retain them in proper position during the formation thereof, and also to assist in securing the fence to the post, I provide a strong vertical rod C , having spaced shoulders c for such purposes. The rods C are made and used in connection with the posts in such sizes of say 36, 40, 48, or 60 inches between the shoulders c according to the width of the metallic fence which is to be used in connection therewith. The lower shoulder c rests upon the lower horizontal strand of the fence and the upper shoulder lies just below the upper strand, the shoulders coming between the fence and the posts and the main body of the rod lying wholly on the out side of the fence. The ends of the twisted loops d are then wrapped firmly around the rod both at the shouldered portions thereof and also intermediate thereof, securing the rod snugly against the out side of the fence and to the main portion of the post. In this manner the metallic fence is well secured to the post and yet is permitted its sufficient amount of longitudinal movement to compensate for variations in temperature without danger of breaking of any part of the same. The rod being made and used as indicated herein is also serviceable in originally spacing the upper and lowermost loops d in the formation of the fence post so as to cause the same to be spaced in accordance with the upper and lower strands of the fence, a matter of considerable importance. No intermediate shoulders are required for this purpose for the reason that the intermediate loops need not be spaced with any great amount of particularity.

The hole x and its enlargement x' are filled with plastic material, the walls of the hole and the enlargement constituting a mold therefor. That portion of the body a above the hole x is formed by a temporary portable mold of any suitable construction. Either before or after the filling of the hole x , as conditions may dictate, the core e is placed with its lower end substantially at the center of the enlargement x' and the core is then completely embedded within the plastic material, the latter when hardened securely holding the core e and the attaching loops d in position. The enlargement b being of the requisite strength for all prac-

tical purposes, it is unnecessary for the core to extend below its center under ordinary conditions.

It will be seen that the post thus constructed will be exceedingly rigid and strong by virtue of the metal core, and yet need not be very massive proportionately. While the body *a* of the post may be comparatively small the integral V-shaped annular enlargement *b* thereof formed just above the bottom of the device will constitute an effective anchor, serving to prevent lateral displacement of the post in use or upheaval thereof due to frosts or the like.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent of the United States is,—

A fence post substantially as herein described comprising a concrete body portion having a cylindrical lower end and

formed just above its lower end with an integral annular V-shaped anchoring device, a metallic core embedded centrally within said body portion and extending substantially from the center of said anchoring device to the top of the post, spaced attachment loops secured to said core and projecting laterally therefrom, and a vertical rod having shoulders near its opposite ends spaced to correspond to the upper and lower of said loops and cooperating therewith to receive and secure the upper and lower horizontal strands of metallic fence for the post.

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

GEORGE W. PYLE.

Witnesses:

WILLIAM DREW,
GUY SHOEMAKER.