C. L. MICHOD.

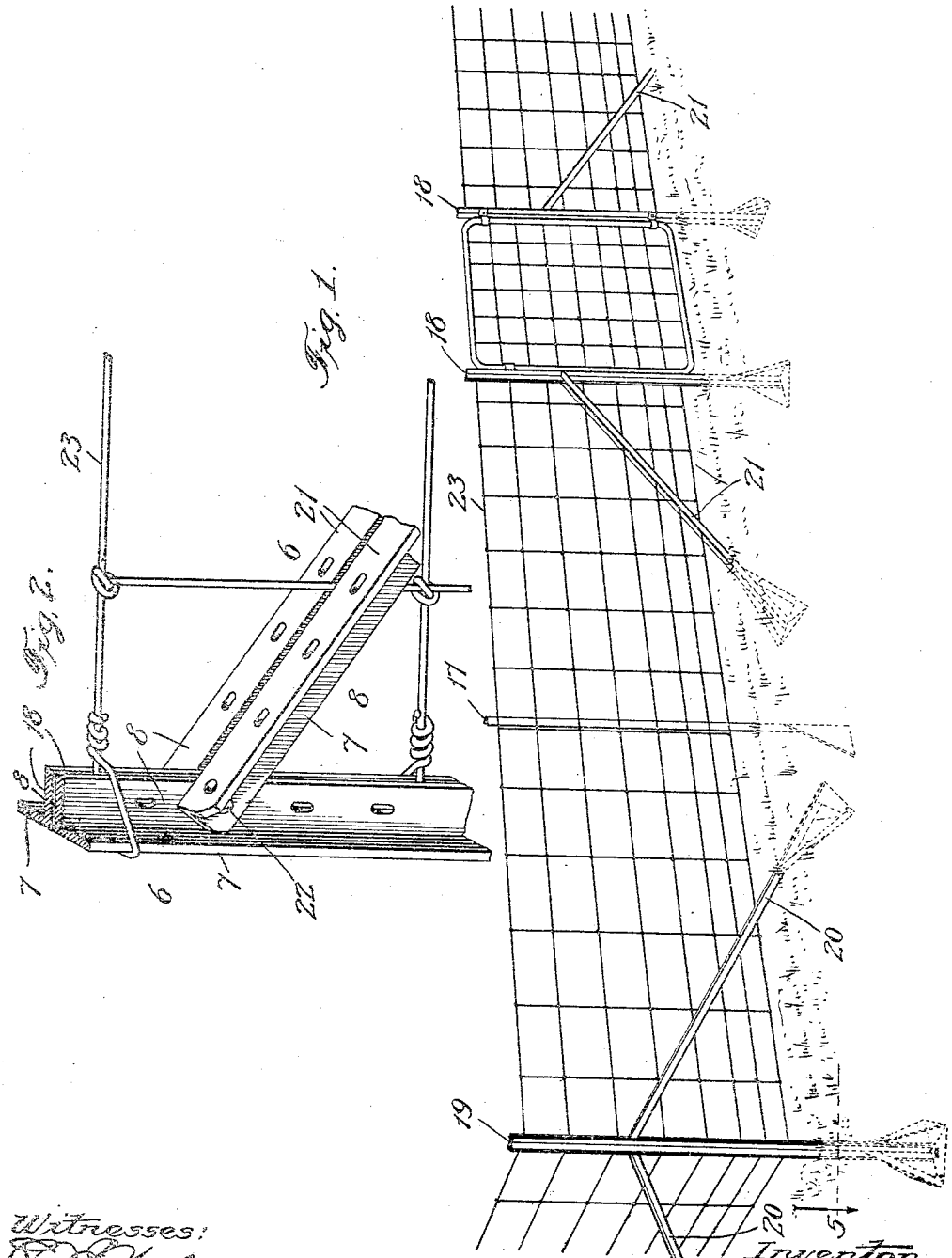
FENCE POST.

APPLICATION FILED DEC. 23, 1913.

1,159,856.

Patented Nov. 9, 1915.

2 SHEETS—SHEET 1.



Witnesses:

Inventor.

Charles L. Michod,

By Dyer, Tyler, Lee, Crittenden & White

Atty's.

C. L. MICHOD.

FENCE POST.

APPLICATION FILED DEC. 23, 1913.

1,159,856.

Patented Nov. 9, 1915.

2 SHEETS—SHEET 2.

Fig. 3.

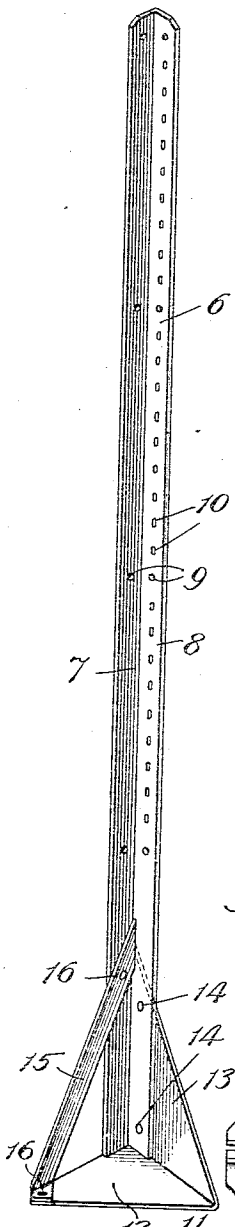


Fig. 4.

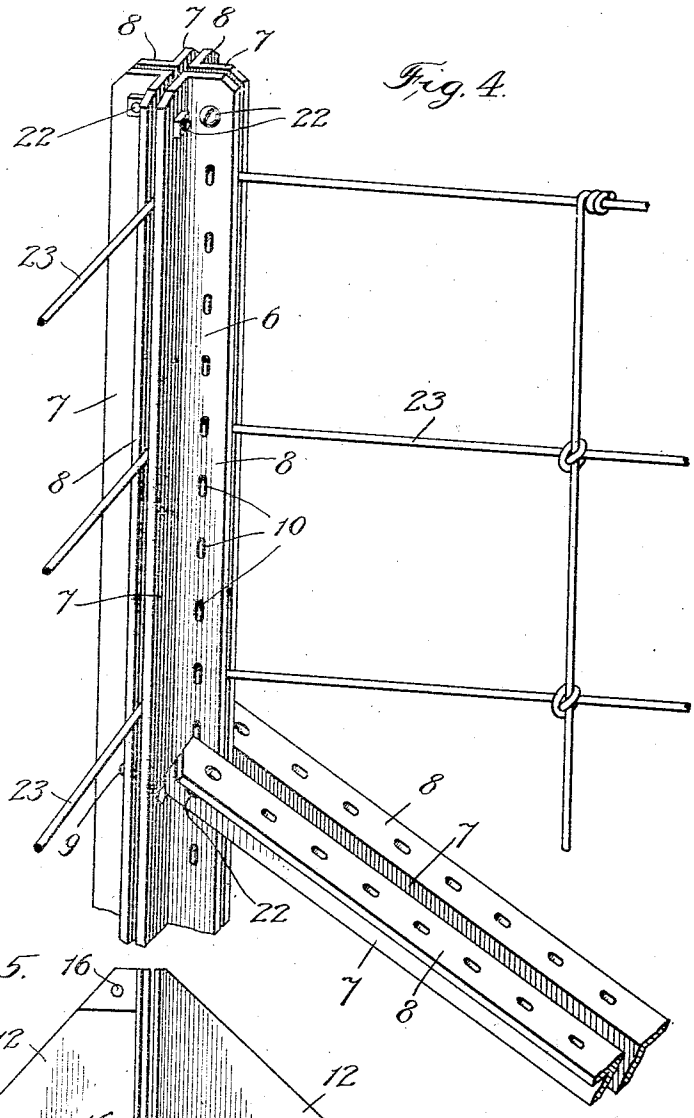
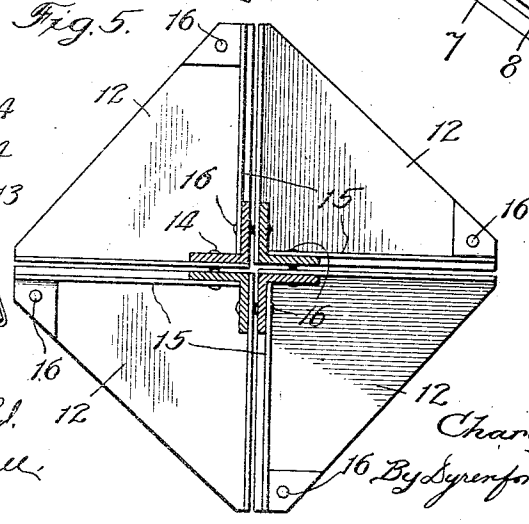


Fig. 5.



Witnesses:

Geo. Gaylord.

Chas. H. Bull.

Inventor:

Charles L. Michod.

By Lyon, Lyon, Lee, Chilton & Wiles

Attys.

UNITED STATES PATENT OFFICE.

CHARLES L. MICHOD, OF CHICAGO HEIGHTS, ILLINOIS.

FENCE-POST.

1,159,856. Specification of Letters Patent. Patented Nov. 9, 1915.

Application filed December 23, 1913. Serial No. 808,402.

To all whom it may concern:

Be it known that I, CHARLES L. MICHOD, a citizen of the United States, residing at Chicago Heights, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Fence-Posts, of which the following is a specification.

My invention relates more particularly to the building of fences, the posts of which are of metal. The strains to which the posts at different points along a fence are subjected vary, depending on the location of the posts. Thus the strains to which the line-posts are subjected is much less than that to which the gate-posts are subjected, and the strain on the gate-posts is less than that on the end or the corner posts. It is, therefore, customary to make these different posts of different strengths that they may effectually resist the respective strains to which they are subjected in use. The practice heretofore has been to provide different kinds of posts as line, gate, end and corner posts, and this has resulted in relatively great expense to the user, as the dealers were thus obliged to carry a stock of these different posts.

My object is to provide for the formation of the various forms of posts, and also preferably the braces therefor, of similar units which may be used singly as posts, if desired, or grouped together in any desired number to form posts requiring greater strength, and also used as braces; my idea being to provide for the construction of all the posts and preferably the braces therefor, from similar unit-sections, and thus a dealer instead of being obliged to carry a supply of the different posts need carry only the similar unit-sections by which the user may form all of the posts and braces required.

Referring to the accompanying drawings—Figure 1 is a perspective view of a portion of a fence constructed in accordance with my invention, those portions of the fence structure which extend below the level of the ground being represented by dotted lines. Fig. 2 is a similar, enlarged, view of the upper end of one of the gate-posts and the braces of Fig. 1. Fig. 3 is a similar view of one of the similar unit-posts of which the posts and braces of Fig. 1 are constructed. Fig. 4 is a similar view of the upper end of the corner-post and one of the braces therefor shown in Fig. 1; and Fig. 5, an enlarged section taken on the line 5 in Fig. 1, and viewed in the direction of the arrow.

The form in which I prefer to provide the unit-post in carrying out my invention, is that illustrated in the drawings, reference being had more particularly to Fig. 3, where a single unit is shown disconnected from other parts. The unit illustrated is formed of an angle-iron upright-member 6, the flanges 7 and 8, of which contain openings 9 and 10, and extend at 90° to each other; and a base-plate or anchor-plate 11 of angle-shape to provide a horizontal base-section 12 and an upright section 13, the upright member 6 fitting at its lower edge against the section 12 and at its flange 8 against the section 13, to which latter it is secured, as by rivets 14, a brace 15 connected with the base-section 12 and the flange 7, as by rivets 16, coöperating with the plate-section 13 to hold the upright 6 rigid relative to the base-plate 11.

In the forming of a fence, as for example that illustrated in Fig. 1, one of the unit-posts is employed for each line post 17 (one only of which is shown), two of the unit-posts are used to form each gate-post 18, four of the unit-posts are used to form each corner-post 19 (one only of which is shown), and in case an end-post (not shown) is required, two of the unit-posts would preferably be used. The braces shown at 20 and 21, for the corner and gate-posts, are also formed of the unit-posts, two being employed for each brace.

In the case of the gate-posts, end-posts, corner-posts and braces, unit-posts of the preferred number, above stated, are secured together in grouped or clustered condition to form the respective posts and braces. In the case of the gate-posts 18, two of the unit-posts are assembled with their flanges 8 opposed, as represented in Fig. 2, with bolts passing through the registering openings 9 in the flanges 8, for securing these units together; and in the cases of the end and cor-

ner-posts, two and four, respectively, of the unit-posts are grouped together and secured in this relation by bolts 22 passing through the registering openings 9, Figs. 4 and 5 showing the manner of grouping the unit-posts for the corner-posts 19.

The unit-posts are preferably provided, as shown, in order that any form of wire fencing may be used therewith, the openings 10 permitting of the fastening of the wires of the fencing to the posts by separate wires or staples, the line-posts 17, in use, being so positioned that the wire fencing will lie against the flanges 8, wherein the openings 10 are provided. The wires of the fencing may be secured to the gate and corner-posts in any desirable way. In the accompanying drawings, the longitudinal strands of the fencing, as indicated at 23, are shown as embraced by the unit-posts forming the corner-posts and gate-posts, these strands in the case of the gate-posts being bent back at their ends around the posts and twisted about the body of the strands as illustrated. It will be understood, however, that any other desirable means may be provided for securing the fencing to the posts.

The braces 20 and 21 for the corner-posts and gate-posts, each preferably formed of two of the units, are disposed at its upper ends at opposite sides of the flanges of the finished posts, at points between the tops of the posts and the ground, and secured in this position to these posts by certain of the bolts 22, the lower anchor-plate-equipped-ends of these braces extending into, and embedded in the ground.

It will be noted from the foregoing that the unit-posts may be used singly as line-posts, when desired, or may be grouped together to form posts of requisite strength for use as line-posts where extra strain is united and for posts at other points along the fence, without requiring work to be performed on the posts, excepting that of securing them together by simple means such as bolts. Furthermore, the unit-posts may be constructed of such strength that fence-posts may be made therefrom having the desired degree of strength. Furthermore, posts of greater strength require firmer anchorage than lighter posts, and this is provided for as each unit-post is formed with anchorge means, namely those represented at 11, which are so proportioned relative to the upright member 6 that where the unit-post is used singly as a post, the necessary anchorage means, namely those represented grouped relation, the multiplication of the footings 11, produced by using a plurality of units, as for example in the case of the corner-posts, four of these base-plates being provided, causes the posts to be properly anchored in the ground.

What I claim as new and desire to secure by Letters Patent is—

1. An article of manufacture comprising a fence unit consisting of a section of structural iron of substantially L-shaped cross section, and a metal base attached thereto having an angle conforming to the angle of the structural iron and adapted to act as an anchor, said section having apertures intermediate its ends adapted to register with those of a similar unit, whereby the unit may be used singly or in multiple as a corner post or gate post, or as a brace for either.

2. An article of manufacture comprising a fence unit consisting of a section of structural iron of substantially L-shaped cross section, and a metal base attached thereto having an angle conforming to the angle of the structural iron and adapted to act as an anchor, said section of structural iron having apertures in one of its plane faces adapted to register with the apertures in a similar unit to permit said units to be bolted together in parallel relation.

3. An article of manufacture comprising a fence unit consisting of a section of structural iron of substantially L-shaped cross section, a metal base having an angle conforming to the angle of the structural iron and adapted to act as an anchor, and means for securing the base to the unit comprising a reinforcing member extending from one face of the structural iron to the base, said section of structural iron having a series of apertures in one of its plane faces adapted to register with the apertures in another unit to permit said units to be bolted together in parallel relation.

4. An article of manufacture comprising a fence unit consisting of a section of structural iron of substantially L-shaped cross section, and an attached metal base having an angle conforming to the angle of the structural iron and adapted to act as an anchor, said section having a series of apertures in its plane face, said section also having beveled upper corners to permit its being disposed diagonally with respect to another when secured thereto.

5. An article of manufacture comprising a fence unit consisting of a section of structural iron of substantially L-shaped cross section, and a metal base attached to one end of said unit having an angle conforming to the angle of the structural iron adapted to act as an anchor, said base having a bent up side riveted to the outer surface of one of the faces of said section of structural iron whereby two or more of said sections will occupy a spaced relation when secured together in multiple as a corner post or gate or as a brace for either.

6. An article of manufacture comprising a fence unit consisting of a section of struc-

tural iron of L-shaped cross section having apertures in the plane faces adapted to register with the apertures of another unit to permit the units being bolted together, a base at one end of said unit adapted to act as an anchor, and means for securing the base to the unit comprising a bent up side riveted to the outer side of one of the plane faces of said section, and a reinforcing member extending from the outer face of the section to the base.

CHARLES L. MICHOD.

In presence of—
NELLIE B. DEARBORN,
DAISY C. THORSEN.