No. 760,111. PATENTED MAY 17, 1904.

H. P. EWELL.

CEMENT FENCE POST.

APPLICATION FILED AUG. 31, 1903.

NO MODEL. 2 SHEETS—SHEET 1.

Fig 1.

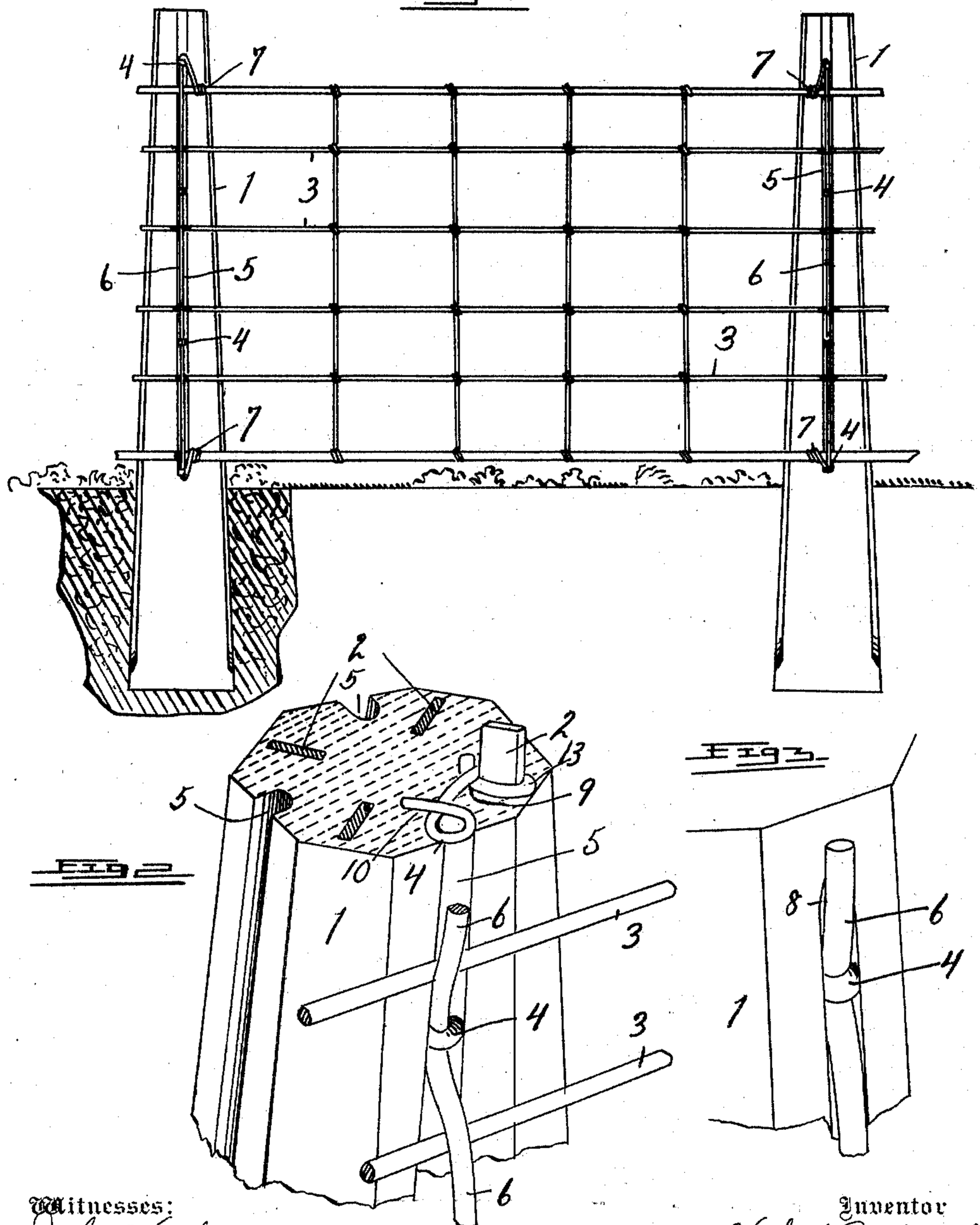

Fig 2.

Fig 3.

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NO MODEL. 2 SHEETS—SHEET 2.

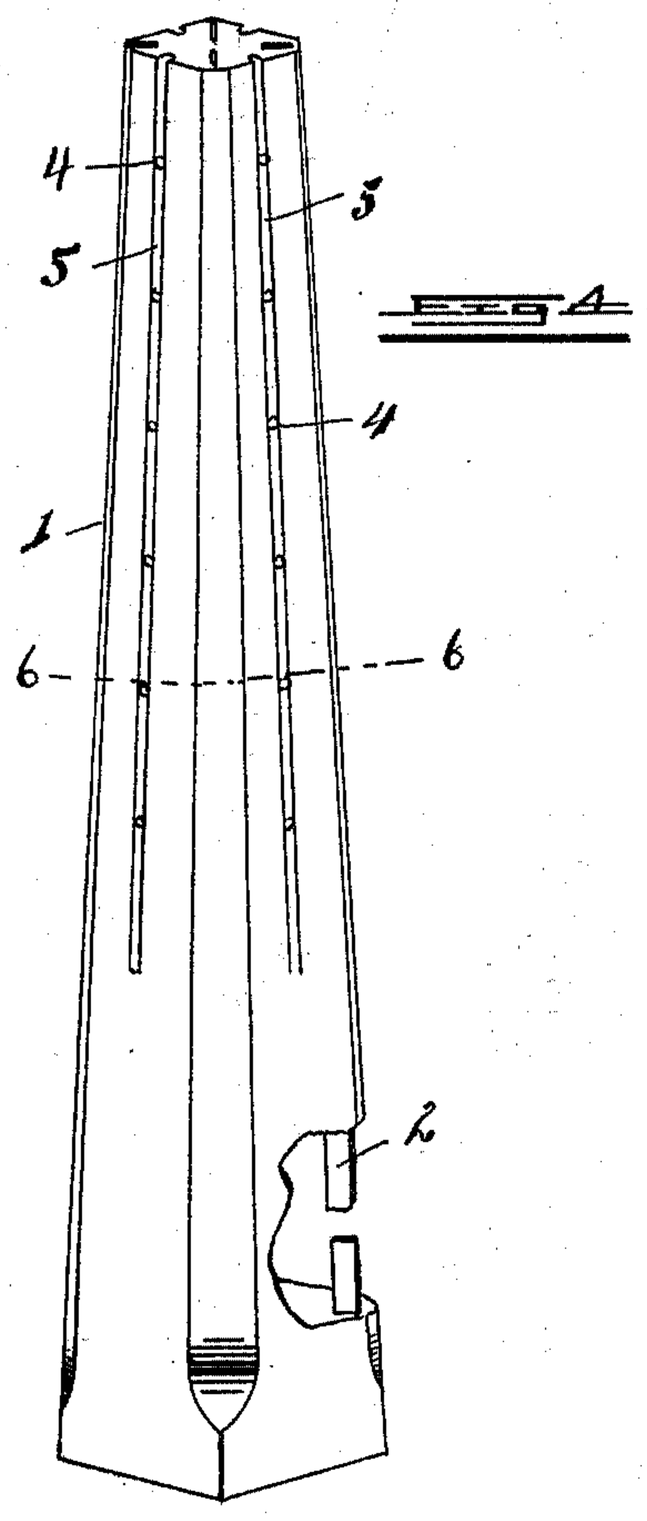

Fig 4

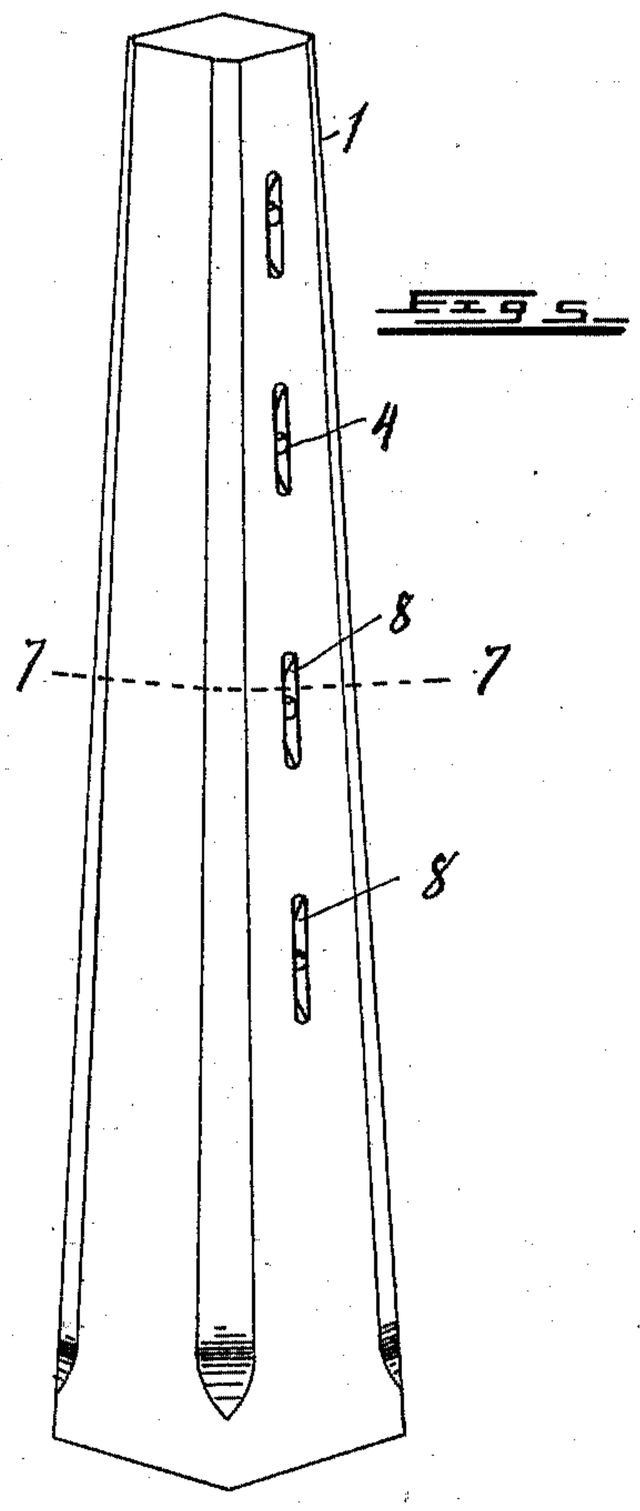

Fig 5

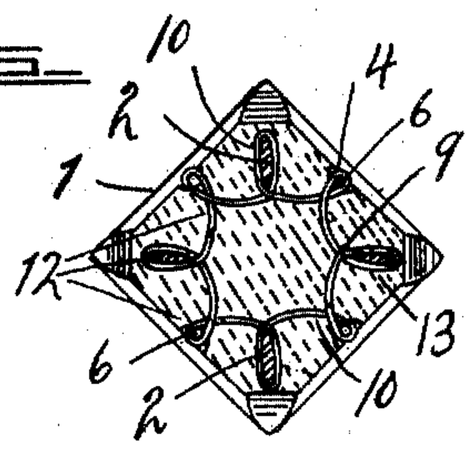

Fig 6

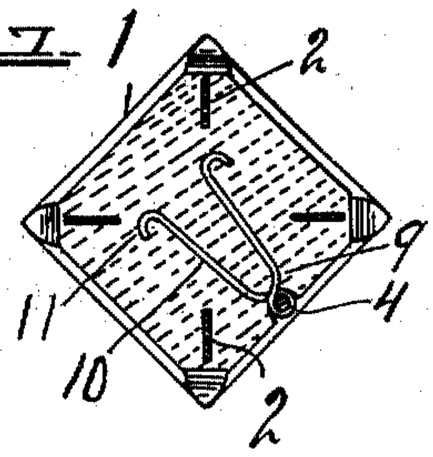

Fig 7

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No. 760,111. Patented May 17, 1904.

UNITED STATES PATENT OFFICE.

HERBERT P. EWELL, OF ROCHESTER, MICHIGAN.

CEMENT FENCE-POST.

SPECIFICATION forming part of Letters Patent No. 760,111, dated May 17, 1904.

Application filed August 31, 1903. Serial No. 171,349. (No model.)

To all whom it may concern:

Be it known that I, HERBERT P. EWELL, a citizen of the United States, residing at Rochester, in the county of Oakland, State of Michigan, have invented certain new and useful Improvements in Cement Fence-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 figures of reference marked thereon, which form a part of this specification.

This invention relates to fence-posts, and more particularly to that class of posts formed of cement or analogous material; and it consists in the construction and arrangement of parts hereinafter fully set forth, and pointed out particularly in the claims.

The object of the invention is to provide a post of the character described in which the arrangement is such as to enable the lateral wires of a fence to be readily attached thereto and at the same time overcome the objection to attaching-wires or other devices commonly employed which are embedded in and project from the face of the post, thereby rendering it difficult to ship the posts without injury to said attaching devices and preventing the posts from being closely piled in transportation or storage.

To this end my invention comprises, broadly, a plastic fence-post having attaching-wires embedded therein and lying entirely within the plane of the outer face thereof, portions of said wires being accessible for attaching the fence-wires by crossing recesses in the face of the post.

An embodiment of my invention is illustrated in the accompanying drawings, in which—

Figure 1 is an elevation of a section of fence supported by fence-posts embodying my invention. Fig. 2 is a fragmentary view in perspective showing one manner of attaching the longitudinal wires thereto. Fig. 3 is a similar view showing a slight modification. Fig. 4 is a perspective view of the entire post. Fig. 5 is a perspective view of a post containing the modification. Fig. 6 is a horizontal section as on line 6 6 of Fig. 4. Fig. 7 is a horizontal section as on line 7 7 of Fig. 5.

Referring to the characters of reference, 1 designates the post, which is made, preferably, of a proper mixture of sand and Portland cement and is shaped in a suitable mold to give it the requisite formation. The preferred form of the post is octagonal, and running vertically through it from end to end are the metal strengthening-strips 2, which are embedded in the post.

To provide means for attaching the longitudinal wires 3 of the fence to the post, so as to support the fence in a vertical position, said post is provided with the attaching-wires 9, which are embedded in the material thereof and are made accessible for the purpose of fastening the stay or tie wire by a vertical channel 5, formed in the face of the post upon one or more sides, as may be required, said attaching-wires crossing the channel and being at all points within the plane of the outer face of the post. As illustrated, I preferably form the attaching-wires with eyes 4, which lie within the channel, and anchoring-arms 10, which are embedded in the material of the post. This channel 5 enables the tie-wire 6 to be passed over the longitudinal wires 3 and through the eyes 4, so as to confine said wires to the post. If desired, an attaching-eye may be employed for each of the longitudinal wires, to which they may be attached by short pieces of wire; but in most instances it will be found entirely practicable to use a single tie-wire 6, which may be strung through the eyes and over the longitudinal wires, as shown in Fig. 1, the ends of said wire 6 being wrapped around the top and bottom wires of the fence, as at 7, whereby the proper vertical stress may be placed upon the fence to hold it in position. Instead of making the channel 5 continuous a short channel 8 may be formed at each eye to receive the tie-wire 6, as shown in Figs. 3 and 5.

In order to securely anchor the attaching-eyes 4 in the post, adjacent arms 10 may be made continuous, forming a spider 12, having, besides the eyes 4, the oblong loops 13, which

embrace the metal strips 2, as shown more clearly in Fig. 6, whereby said strips are bound together, and all of the eyes upon the same plane are attached to said strips, thereby making a very strong structure. Where it is desired to employ the attaching-eyes in one side of the post only, arms 9 may be provided with individual hooks 11, as shown in Fig. 7.

By embedding the attaching-wires in the post, as shown, and rendering the eyes accessible to the tie-wire by the communicating channel 5 means is provided for securely fastening the fence to the post, which overcomes the objectionable projecting devices and leaves the face of the post free from protruding wires or pins, thereby enabling the post to be much more readily handled and obviate to a great extent the liability of damage thereto in shipment.

Having thus fully set forth my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A plastic fence-post having a recess in the face thereof, and an attaching-wire lying entirely within the plane of the outer face of said post and comprising an eye and laterally-extending arms, said eye lying within said recess, and said arms being completely embedded in the material of said post.

2. A cement fence-post having a channel in the face thereof and an attaching-wire embedded in the material of the post and crossing said channel, said attaching-wire lying entirely within the plane of the outer face of the post.

3. In a plastic fence-post, the combination with the body of the post having a vertical channel in the face thereof, of a series of attaching-wires embedded in the material of the post and crossing said channel, said attaching-wires lying entirely within the plane of the face of the post and adapted to receive a strand for securing the wires of a fence.

4. In a cement fence-post, the combination with strengthening-strips running longitudinally thereof, of an attaching-wire embedded in the material of the post and lying entirely within the plane of the outer face thereof, said wire having arms embracing the strengthening-strips and an eye seated in a channel in the post.

5. In a cement fence-post, the combination with strengthening-strips running longitudinally thereof, of a series of attaching-wires embedded in the material of the post and lying entirely within the plane of the outer face thereof, said wires comprising arms embracing the strengthening-strips and eyes seated in channels in the post, the adjacent arms of said wires being made continuous to form a spider, substantially as described.

In testimony whereof I sign this specification in the presence of two witnesses.

HERBERT P. EWELL.

Witnesses:

E. S. WHEELER,

I. G. HOWLETT.