H. L. FORD.

CONCRETE FENCE POST.

APPLICATION FILED JUNE 26, 1908.

911,584.

Patented Feb. 9, 1909.

Fig. 1.

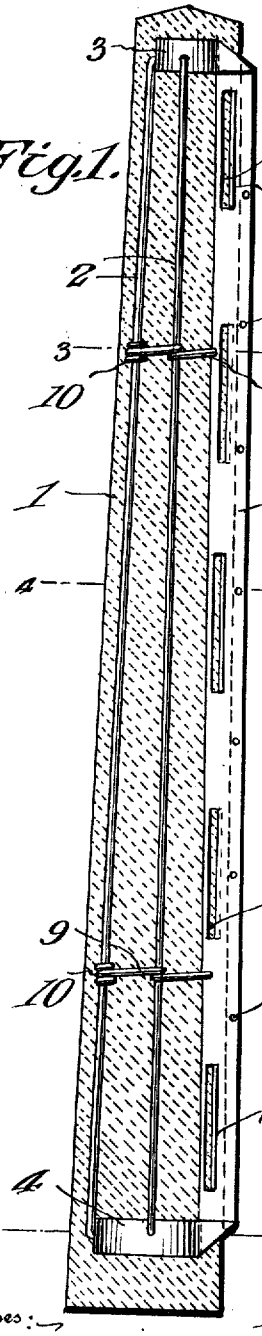


Fig. 3.

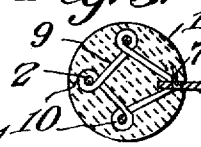


Fig. 7.

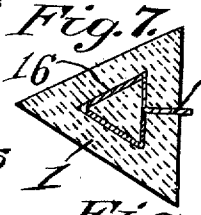


Fig. 4.

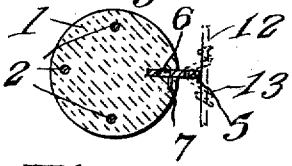


Fig. 8.

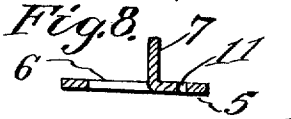


Fig. 5.

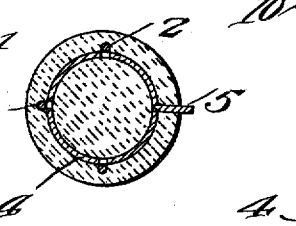


Fig. 6.

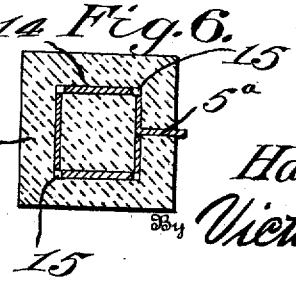
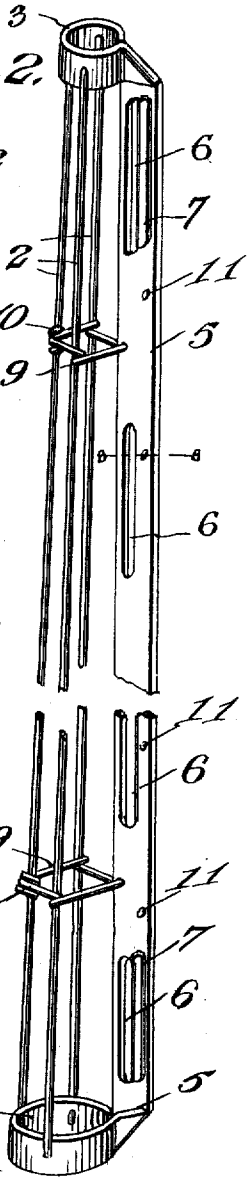


Fig. 2.



Witnesses:

Jos. P. Fahler.

T. M. Bomyer

Inventor,

Harley L. Ford.

By Victor J. Evans,

Attorney

THE NORRIS PETERS CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

HARLEY L. FORD, OF OTTUMWA, IOWA.

CONCRETE FENCE-POST.

No. 911,584. Specification of Letters Patent. Patented Feb. 9, 1909.

Application filed June 26, 1908. Serial No. 440,559.

To all whom it may concern:

Be it known that I, HARLEY L. FORD, a citizen of the United States of America, residing at Ottumwa, in the county of Wapello and State of Iowa, have invented new and useful Improvements in Concrete Fence-Posts, of which the following is a specification.

This invention relates to concrete fence posts, and one of the principal objects of the invention is to provide a concrete fence post with longitudinal reinforcing elements and to also provide means for attaching line wires to the post.

Another object of the invention is to embed within the post a plate having slots or perforations therein for the concrete to pass through to anchor the plate to the post and said plate projecting beyond the post and being perforated to provide means whereby the line wires may be directly connected to said plate and post.

These and other objects may be attained by means of the construction illustrated in the accompanying drawing, in which,—

Figure 1 is a longitudinal section of a fence post made in accordance with my invention. Fig. 2 is a perspective view of the reinforcing wires and the plate for attaching the line wires before being embedded within the post. Fig. 3 is a transverse section on the line 3—3 of Fig. 1. Fig. 4 is a similar section on line 4—4, Fig. 1. Fig. 5 is a section on the line 5—5, Fig. 1. Fig. 6 is a transverse section of a modified form of my invention in which the post is made square in section and the metal rings at the top and bottom of the post are also made square. Fig. 7 is a similar section of a triangular post having a triangular ring at the top and bottom of the post connected by the longitudinal wires. Fig. 8 is a transverse sectional view on the line 8—8 of Fig. 2.

Referring to the drawing, the numeral 1 designates a concrete post which may be either round in cross section or of any other suitable contour. Embedded within the post, as shown in Fig. 1, is a series of longitudinal reinforcing wires or bars 2, said wires being connected at the top and bottom, to a ring 3 at the top and a ring 4 at the bottom. These rings 3 and 4 may be formed integral with an attaching plate 5 which extends outward from the rings and is provided with a series of anchor openings 6, said openings being cut from the body of the plate and the portion of the metal forming the slot being bent at right angles to form anchor fins 7. At intervals within the length of the post the reinforcing wires 2 are connected to the plate 5 by means of tie wires 9, said tie wires extending around the reinforcing wires forming loops 10 and said tie wires being passed through perforations in the attaching plate. The attaching plate is provided with a series of perforations 11 for attaching the line wires 12 of the fence thereto. As shown in Figs. 3 and 4, the line wires 12 are secured to the plate 5 by tie wires 13. Other methods may be employed, however.

As shown in Fig. 6, the metal core for the square post consists of rings 14 similar to the rings 3 and 4 but of rectangular form. The end rings are provided with perforations 15 for connecting the longitudinal wires and are provided with a projecting attaching plate 5^a similar to the plate 5.

Upon reference to Fig. 7 it will be seen that the fence post is triangular in cross section and is provided with upper and lower rings 16 which are also triangular in cross section. An attaching plate 5^b projects through the post.

From the foregoing it will be understood that the shape of the post and the shape of the reinforcing elements and the attaching plate may be varied to considerable extent without departing from the spirit or scope of my invention as defined by the claim.

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

The herein described concrete fence post having embedded therein longitudinal reinforcing wires, an attaching plate for line wires of the fence, said attaching plate being provided with anchoring slots and fins, said plate projecting out through one side of the post, said attaching plate being provided with upper and lower integral rings, said longitudinal reinforcing wires being connected to said rings, and tie wires connected to the plate and to said reinforcing wires at points intermediate the rings.

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

HARLEY L. FORD.

Witnesses:

F. B. CRESSWELL,

JOHN F. WEBBER.