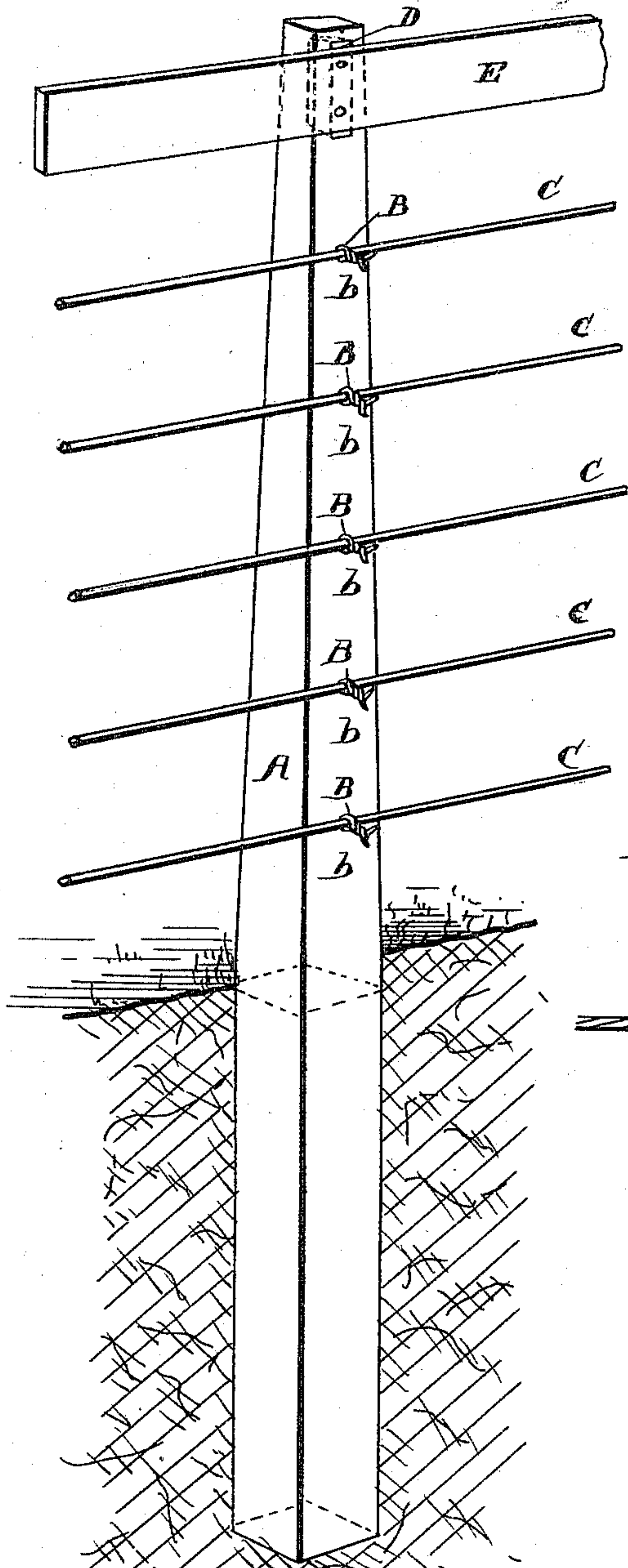


(No Model.)

M. SWEENEY & I. GROSHAW.  
PLASTIC FENCE POST.

No. 533,185.

Patented Jan. 29, 1895.



WITNESSES

Fig. 1.

*O. B. Barnyger.*

*M. A. Martin.*

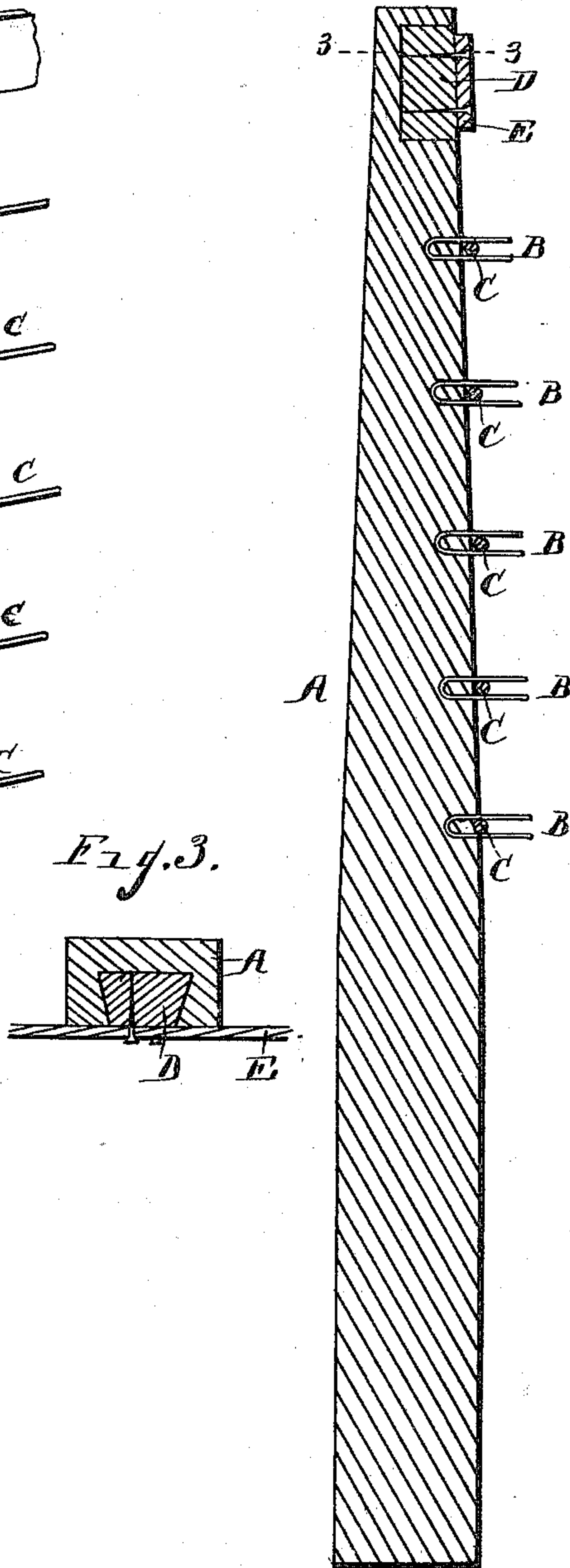


Fig. 2.

INVENTORS

*Michael Sweeney*  
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By their Attorney

*Wm. S. Wright*



# UNITED STATES PATENT OFFICE.

MICHAEL SWEENEY AND ISIDORE GROSHAW, OF EMMET, MICHIGAN.

## PLASTIC FENCE-POST.

SPECIFICATION forming part of Letters Patent No. 533,185, dated January 29, 1895.

Application filed July 13, 1894. Serial No. 517,408. (No model.)

*To all whom it may concern:*

Be it known that we, MICHAEL SWEENEY and ISIDORE GROSHAW, citizens of the United States, residing at Emmet, county of St. Clair, State of Michigan, have invented a certain new and useful Improvement in Fence-Posts; and we 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, which form a part of this specification.

Our invention has for its object an improved fence post and it consists of the construction hereinafter described and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a view in perspective. Fig. 2 is a view in vertical section. Fig. 3 is a cross section on the line 3—3, Fig. 2.

We carry out our invention as follows:

A represents the body of the post which is made of suitable cement mixed with sand. We do not limit ourselves to any particular proportions of the materials entering into the construction of the body of the post, said body consisting of any well-known hydraulic cement compound or of ingredients commonly included under that head.

B denotes a series of clamping or fastening wires integrally formed in the construction of the post, the wires being embedded in the cement compound when in a plastic condition. The wires are preferably bent into a series of staples, as indicated more particularly in Fig. 2, so that they will have a firmer hold in the cement. The points of the clamping or fastening wires project outward from the face of the cement body a sufficient distance to be coiled about the longitudinal fence wires C, and preferably so as to form barbs, as shown at "b," projecting from the post when twisted to hold the wires C in place.

D denotes a block of wood integrally embedded in the cement body of the post, being inserted therein when the cement compound is in a plastic condition. The wooden

block is for the purpose of enabling boards E to be nailed to the post therethrough, should boards E be required or desired at the top of the fence. As many series of staples or fastening wires B may be employed as may be desired, depending upon the number of longitudinal wires desired to be secured thereto.

It will be evident that a post so constructed is simple, and easy of manufacture; that it can be made cheaply; that it is exceedingly durable; that it will not rot on exposure to the atmosphere or to the moisture in the earth. It is also incombustible, so that there is no danger of injury by fire. Frost will have no damaging effect upon it. Such a post is therefore of superior utility and efficiency.

The post may be made with or without the wooden block engaged therewith.

We prefer to make the body of our post of one part Louisville cement and two parts sand suitably moistened and mixed together. The post is then dried by exposure to the atmosphere for a desired period, after which it is kiln dried. This process of manufacture is very efficient and may be very economically carried out, at the same time making a post of great hardness and durability. The wooden block may be dovetailed into the cement body, as shown in Fig. 3.

What we claim as our invention is—

A molded fence post, combined with a series of U-shaped wires which have their bent ends fastened in position in the side of the post while it is being molded, the outer free ends of the wires being adapted not only to fasten the wires of the fence to the post, but to form two pointed barbs, substantially as described.

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

MICHAEL SWEENEY.  
ISIDORE GROSHAW.

Witnesses:

N. S. WRIGHT,  
O. B. BAENZIGER.