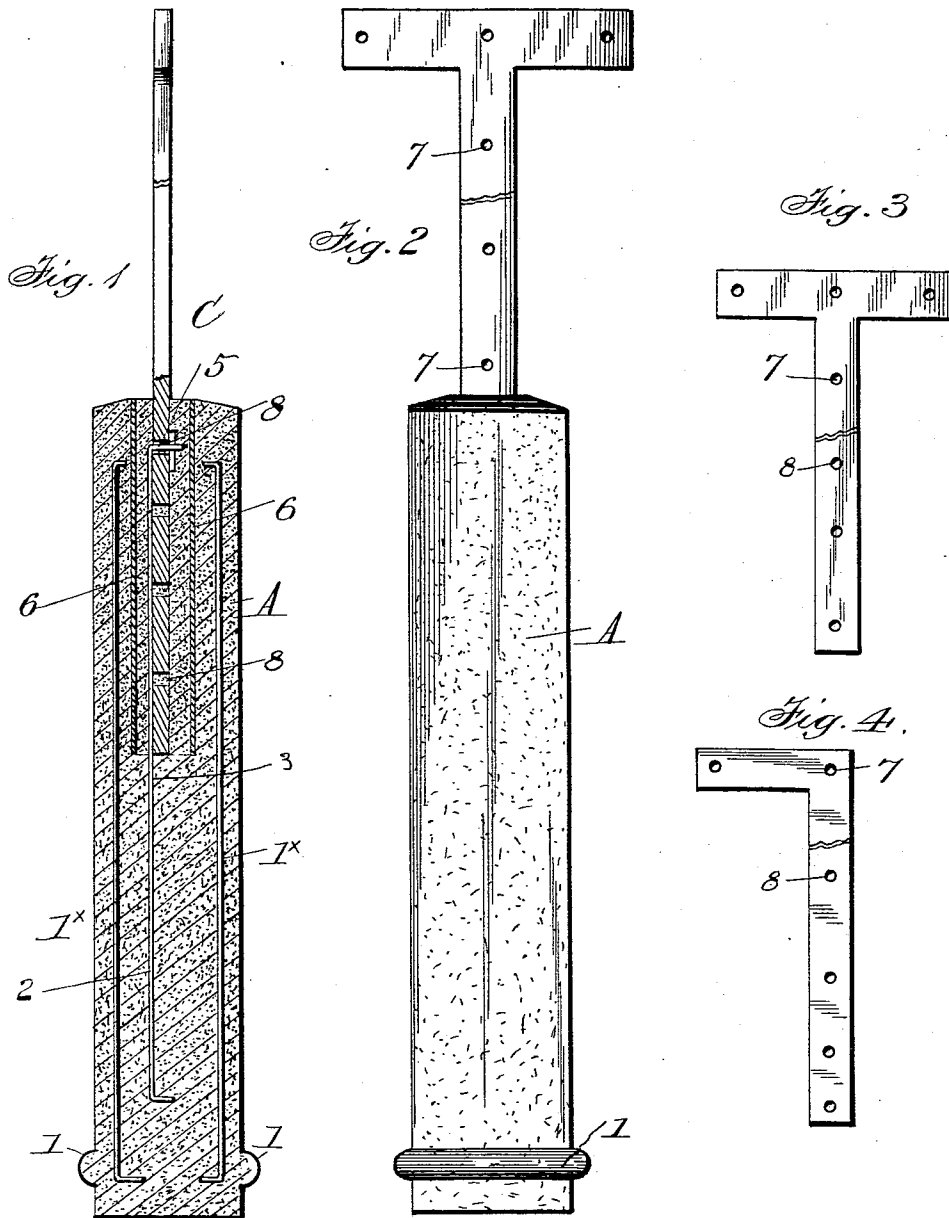


(No Model.)

E. W. WOOD.
FENCE POST.

No. 573,748.

Patented Dec. 22, 1896.



Witnesses:
H. L. Ozand
H. J. Smith

Inventor
Ellery W. Wood.
By *A. R. Willis*
Attorney

UNITED STATES PATENT OFFICE.

ELLERY W. WOOD, OF CHICAGO, ILLINOIS.

FENCE-POST.

SPECIFICATION forming part of Letters Patent No. 573,748, dated December 22, 1896.

Application filed March 25, 1896. Serial No. 584,822. (No model.)

To all whom it may concern:

Be it known that I, ELLERY W. WOOD, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in 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.

My invention has relation to improvements in fence-posts; and the object is to provide a combined cement and metal fence-post embodying all the strength necessary to fulfil the purposes intended and which can be made and constructed cheaper than a metal post.

I accomplish this object by the means hereinafter described, and which I have fully and clearly illustrated in the accompanying drawings, wherein—

Figure 1 is a central vertical section of a fence-post embodying my invention. Fig. 2 is a view of the complete fence-post as ready to be set in the ground. Fig. 3 is a detail view of a T-iron to be set in the base part. Fig. 4 is a detail view of an iron having a single arm and adapted to be set in the base part.

To make the post, I provide a cement composition consisting of one-third cement and two-thirds of sand or crushed stone, and when the materials are thoroughly mixed and reduced to a molding consistency I run them into a mold of the proper size, inserting therein the metal strengthening-rods and the post sustaining and holding rod, and when the mold is substantially half full a metal tube is inserted in the mold and the mold-box then filled to the top, substantially as indicated in Fig. 1 of the drawings. When the cement has "set" sufficiently, the mold-box is removed and the post is ready for use.

Having thus generally stated the manner of making the post, I will now specifically describe the construction.

Referring to the drawings, A designates the cement portion of the fence-post, constituting the base or lower end of the post, and is about eighteen inches in length and three inches in diameter for general uses, and has formed about it adjacent to the lower end an annular flange 1, so that when the base is set in the ground this flange prevents the post from be-

ing pulled up or displaced. In the body of the cement are embedded two or more vertically-disposed metal rods 1^x, having their ends bent at substantially right angles to the main bar, as shown, the rods serving as strengthening-pieces to the cement. In the central portion of the cement is set a metal rod 2. The lower portion to about midway of the length, as at 3, is embedded in the mold when the base of the post is molded. The metal rod 2 has its ends bent at substantially right angles to the stem, the lower bend serving to keep the rod firm in the molded material and against being pulled out, and the upper bend 5 is adapted to be hooked in or projected through a hole in the upper section or part of the post and hold that element in the post. In the upper portion of the cement and extending well down therein is a metal tube or cylinder 6, set in position when the base of the post is molded.

C denotes that part of the post which projects above the ground and to which the wires or boards of the fence are secured. The part C may consist of a T-shaped iron, or it may be a piece of metal bent at right angles, as shown in the drawings, and be provided with the requisite number of holes 7, through which split keys or other suitable fastening means may be projected to hold the wires or boards. In the lower end of the part C is a hole 8, which takes in the bent part 5 of the rod 2, and the part being thus disposed the tube 6 is filled with plastic cement and the parts thus held firmly in connection.

For purposes of transportation the cement posts are packed separately from the parts C, the latter being bunched and crated in packages and shipped separately from the other, so that they will not do damage to the exterior of the base.

To set the post, the base or part A may be set first in the ground, and then the part C set on the prong or hook of the rod 2, and then prepared cement run in the tube, or the part may be thus connected before the base is set in the ground.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A fence-post, comprising a cement base portion having metal strengthening-rods em-

bedded therein, a metal tube centrally extending from the top into the cement, and a central rod extending from the cement into the tube and formed with a laterally-bent end, substantially as described and for the purpose specified.

2. A fence-post comprising a cement base portion provided with a central metal tube projecting down into the body thereof, a holding-rod having its lower end in the cement and its upper end extending into the metal tube and formed with a lateral projecting end, a post having its lower end secured on the end of the rod in the tube, and cement in the tube, substantially as specified.

3. A fence-post, comprising a cement base

portion formed with an annular flange adjacent to its base, strengthening-rods embedded in the cement, a metal tube in the central upper portion of the base, a rod having its lower portion in the base and projecting into the tube, a top post-section fastened to the upper end of the rod in the tube, and cement in the tube, substantially as and for the purposes specified.

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

ELLERY W. WOOD.

Witnesses:

FRANK W. UPTON,
BLAIR W. DIBBLE.