

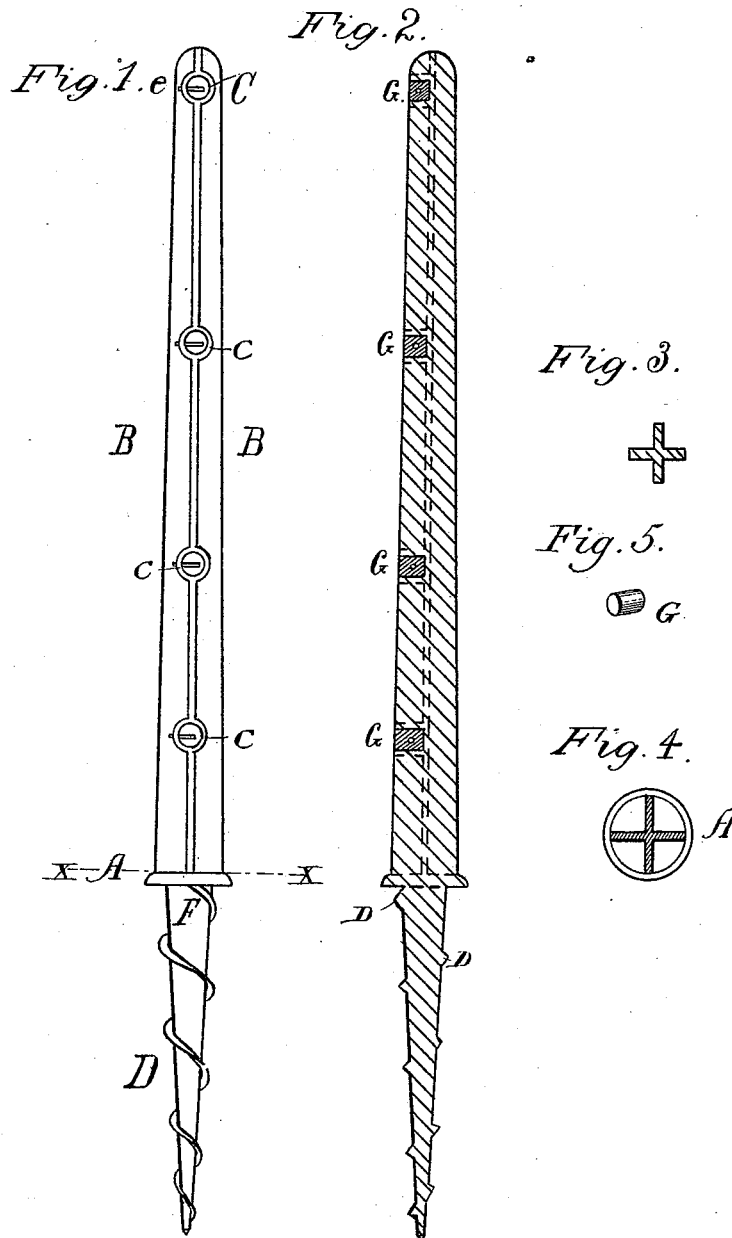
(No Model.)

D. S. PANCOAST.

FENCE POST.

No. 347,956.

Patented Aug. 24, 1886.



Witnesses:

James P. Mc Gough
George Lodge

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UNITED STATES PATENT OFFICE.

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FENCE-POST.

SPECIFICATION forming part of Letters Patent No. 347,956, dated August 24, 1886.

Application filed February 4, 1885. Serial No. 154,947. (No model.)

To all whom it may concern:

Be it known that I, DAVID S. PANCOAST, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new Fence-Post, of which the following is a specification.

My invention relates to an improved fence-post, intended to supersede all kinds of fence-posts now in use for fencing purposes where barbed or plain wire and rods of iron or wood are used, which is composed of iron, with a screw for setting and fastening the post firmly and securely in the earth, and is cast in one piece, with the exception of the wooden plugs and pin for securing the same, as hereinafter described.

The objects of my invention are, first, to overcome the great obstacle of decay in ordinary fence-posts; second, to avoid the necessity of first digging a hole in the earth in which to set the post, thereby effecting a great saving in labor and time; third, to form a substantial and permanent post—one that will never decay from rust after being coated with a preparation that I shall use for that purpose; fourth, to furnish through the medium of the plugs a means by which the material used for fencing can be as readily and securely fastened as on the ordinary post. I attain these objects by the construction of a post as illustrated in the accompanying drawings, in which—

Figure 1 is an elevation of my improved post; Fig. 2, a longitudinal section thereof; Fig. 3, a cross-section on line BB, Fig. 1; Fig. 4, a cross-section on line *xx*, Fig. 1; and Fig. 5, a detail of the plug.

Similar letters refer to similar parts throughout the different views.

D is the spiral or thread of the screw, made with the outer surface rounded off on both the upper and lower sides, the spiral or thread surrounding the cone F from cap A to the point of the screw, with a gradual taper from starting-point at cap A. The spiral also gradually narrows in width as it approaches the extreme point.

F is a cone extending from cap A to the point of the screw surrounded by the spiral or thread D, as hereinbefore described, and in

connection with the spiral D forms the complete screw by which the post is inserted and fastened securely in the earth.

The mode of operating or inserting the post is by screwing it into the earth with a wrench applied to the upper part, by which the person using it can place one hand on the top of the post, and turn the post with the other hand by means of the wrench, by walking around it, or in the same manner as turning a screw-bolt.

The bosses C with cavities are for receiving and holding the plugs G G G G. (See Fig. 2.) The bosses C are an integral part of the post, and are a very important and essential feature. They may extend from the outer edge of one rib or side of the post to the center, as shown in Fig. 2, or may be cast on each rib, so that the posts will show the same face on each of the four sides similar to face shown in Fig. 1, and may be made at any required distance apart or in any number necessary for the purposes of the purchasers.

The four equal ribs or sides of the post gradually taper from the base A (see Fig. 1) to the extreme top of the post, giving symmetry to the post, and not detracting any from its strength. By the combination of these four equal ribs, as shown in Fig. 3, I attain all necessary strength and stability for the post, and reduce the weight about four-fifths, thereby lessening the cost, which is one of the most essential features to the success of my invention.

Plate or cap A forms a base for the upper part of the post, and also a cap for the screw D and cone F, and is intended to repack the earth around the screw D that may be loosened in inserting the screw D, thereby doing away with the necessity of ramming the earth around the post, and also serves as a finish for the base of the post.

The pin *e* in Fig. 1 is for the purpose of securing the plugs G G G G (see Fig. 2) in the bosses C, Fig. 1, in case of shrinkage during hot weather.

G G G G, Fig. 2, represent the plugs, of either wood or metal, as occasion may require, to fit in bosses C, Fig. 1, and fastened by pin *e*, Fig. 1.

The object and purposes of the plugs G G

G G are to receive the fastening used for securing and holding in position the material of which the fence is composed.

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

1. A cast-metal fence-post having horizontally-arranged sockets with plugs, to which the fence-wires are to be attached secured therein, substantially as set forth.

2. A metallic fence-post comprising a cross-shaped body portion having sockets and plugs secured therein, a conical screw base or anchor, and an earth-impacting cap joining the body portion with the anchor, substantially as set forth.

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Witnesses:

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