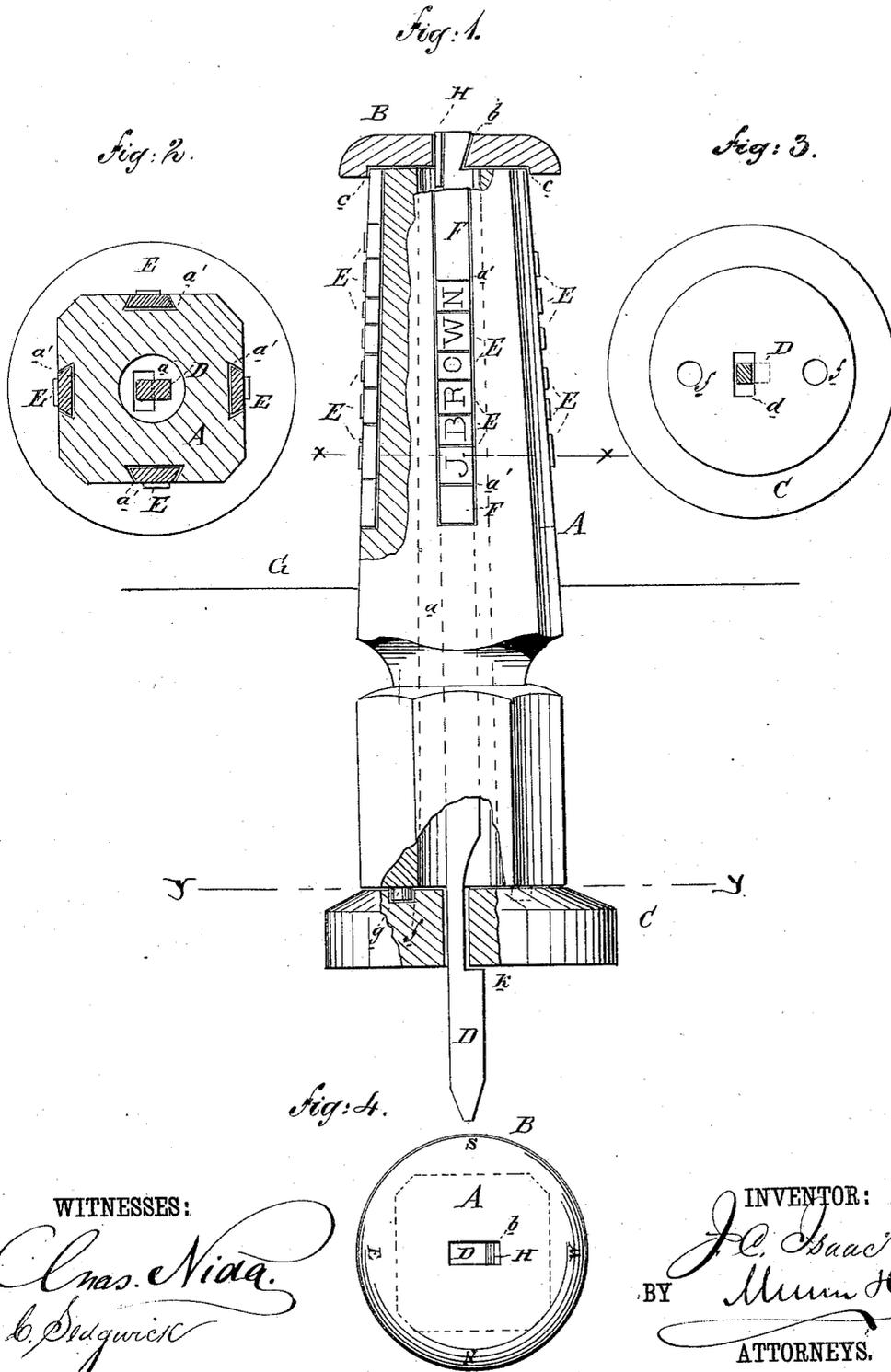


(No Model.)

J. C. ISAAC.
Corner Stone for Boundary Lines.

No. 232,972.

Patented Oct. 5, 1880.



WITNESSES:

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JOHN C. ISAAC, OF CORNWALL ON THE HUDSON, NEW YORK.

CORNER-STONE FOR BOUNDARY-LINES.

SPECIFICATION forming part of Letters Patent No. 232,972, dated October 5, 1880.

Application filed May 24, 1880. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. ISAAC, of Cornwall on the Hudson, in the county of Orange and State of New York, have invented a new and Improved Corner-Stone for Boundary-

Lines, of which the following is a specification. In field-work, in surveying, much trouble and inconvenience are experienced from the imperfect and unsatisfactory marking of corner-stones by incompetent persons, and from the lack of a uniform character or distinctive type of stones, many of them so nearly resembling the stones of the locality that they are liable to be overlooked or lost sight of, and serious troubles and misunderstandings have, it is well known, often arisen because of the obliteration of the inscriptions thereon by atmospheric influences or by evil-designed persons.

The object of this invention is to provide a device by means of which these inconveniences may be almost entirely avoided.

Figure 1 is a vertical elevation of the device with parts broken away to exhibit other parts. Fig. 2 is a cross-section of the same on line x x , Fig. 1. Fig. 3 is a cross-section of the same on line y y , Fig. 1. Fig. 4 is a plan of the same.

Similar letters of reference indicate corresponding parts.

In the drawings, A represents the body of the post or corner-stone provided with a socket or bore, a , extending longitudinally and centrally throughout its length, and provided with a cap, B, and a shoe, C, that are held in their respective positions by means of the rod D, that passes through said post or corner-stone A and the said cap and shoe BC, respectively.

That portion of the stone A that is designed to extend above the ground G has, preferably, four faces, as shown, each of which is provided with a vertical dovetailed mortise, a' , for containing the types or letter-blocks E and quads F, that are correspondingly dovetailed, that they may more securely hold in place.

The cap B is provided with a central mortise, b , which is beveled or dovetailed on one face, as shown, and extends through said cap, and said cap B is also recessed on the under face, as shown at c , whereby said cap is fitted over and upon the top of the body of the stone A, and the upper ends of the types or blocks E and the quads F, to hold them, respectively,

in place, while the flange of said cap B extends horizontally in every direction beyond the faces of the types or blocks E, and thereby greatly protects them from atmospheric influences.

The shoe C also has a central mortise, d , extending entirely through it, and in its inner face two or more sockets, f , into which, when the parts are together in position, the corresponding studs g , that project from the body A of the stone, fit and prevent the turning of the said shoe C.

The rod D is formed into a half dovetail tenon at its top, as shown, while on the opposite face, near its lower extremity, it is cut away, so as to form a square shoulder, k , and the said rod D is extended well below the shoe C, so as to give greater stability to the device when set in position.

H represents the locking-wedge of the device.

In assembling the parts of this device the rod D is passed down through the body A and the shoe C, which latter is set in position with its sockets f holding the studs g of the body A; then said rod D is turned so that its shoulder k shall engage on the under face of the shoe C, as shown in the drawings; then the desired letters and quads are set in place in the mortises a' , and the cap B is then set on top of the said body A in such a position that the dovetail tenon of the top of the rod D shall be in contact with the beveled face of the mortise b , as shown, while the head of the rod D shall be flush with or a little below the face of the cap B. The locking-wedge H is then driven firmly in the mortise a , in the rear of the head of the rod D and flush or a little below the face of the cap B, so as to hold all of said parts immovably together, and so that no part of the device can be removed without fracture of the part removed or of some other part.

If desired, molten lead or other substance may be poured into the mortise a , about the locking-wedge H and head of rod D, to effectually seal them against the effects of the atmosphere.

This post and all its parts are preferably constructed of iron; but I do not confine myself to the kind of material used in the con-

struction, nor do I confine myself to the precise construction of parts and the securing them together, as herein shown, as modifications may be made in these points without departing from my invention.

5 Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. As an improved article of manufacture, a
 10 corner-post constructed substantially as herein shown and described, consisting of the body A, provided with bore *a* and mortises *a' a'*, mortised cap and shoe BC, respectively, shoul-

dered and dovetailed rod D, and locking-wedge H, as set forth.

2. The combination, with the body A of a
 15 corner-post, provided with letters or blocks E, of the cap B, extending laterally beyond said letters or blocks, substantially as herein shown and described, whereby said letters are pro-
 20 tected from atmospheric influences, as set forth.

J. C. ISAAC.

Witnesses:
 EDW. D. COPE,
 RUSSELL S. HILL.