No. 657,867. Patented Sept. 11, 1900.

L. K. FORSYTHE.

ARTIFICIAL STONE BASE.

(Application filed June 28, 1900.)

(No Model.)

Fig. 1

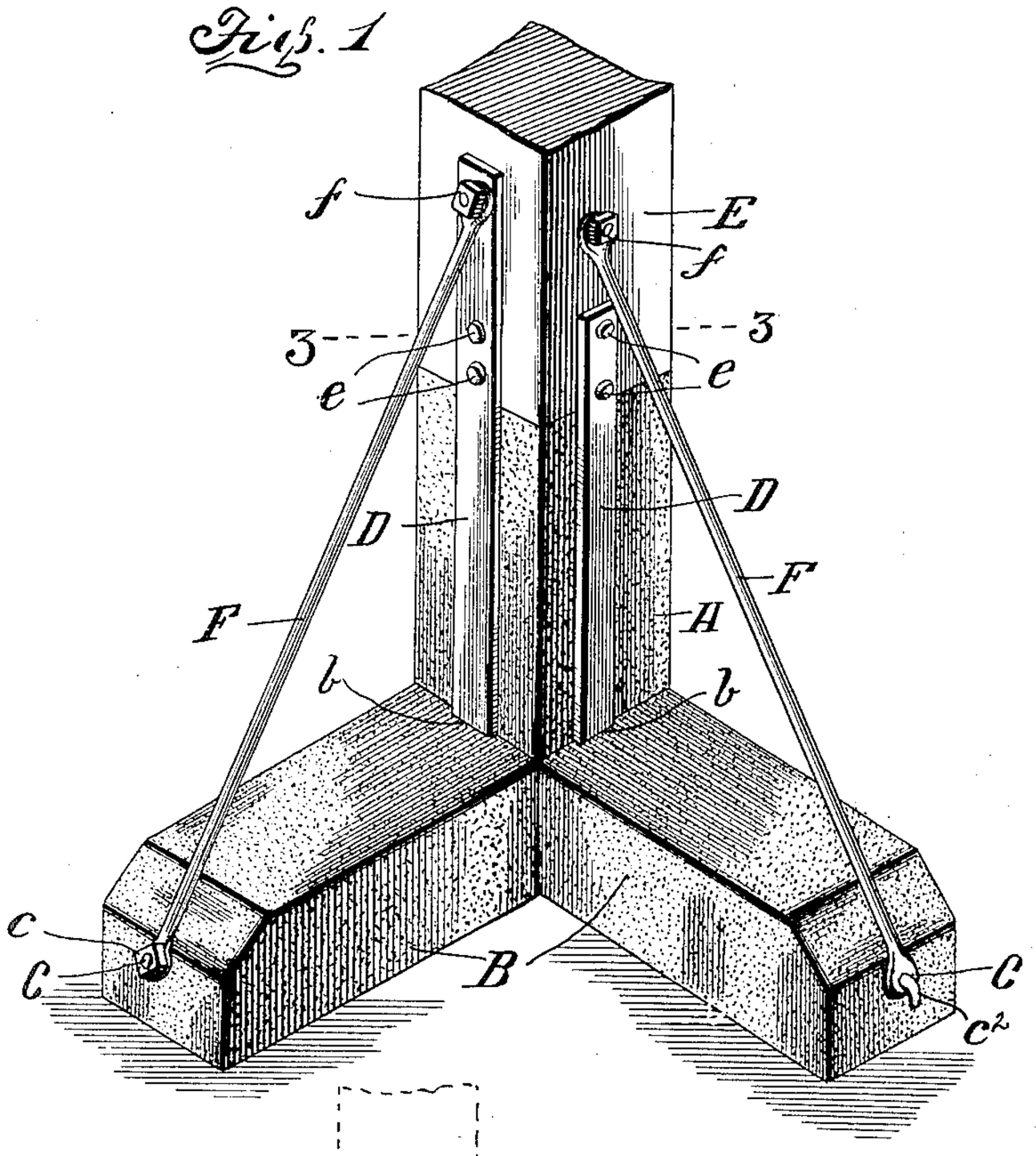

Fig. 2.

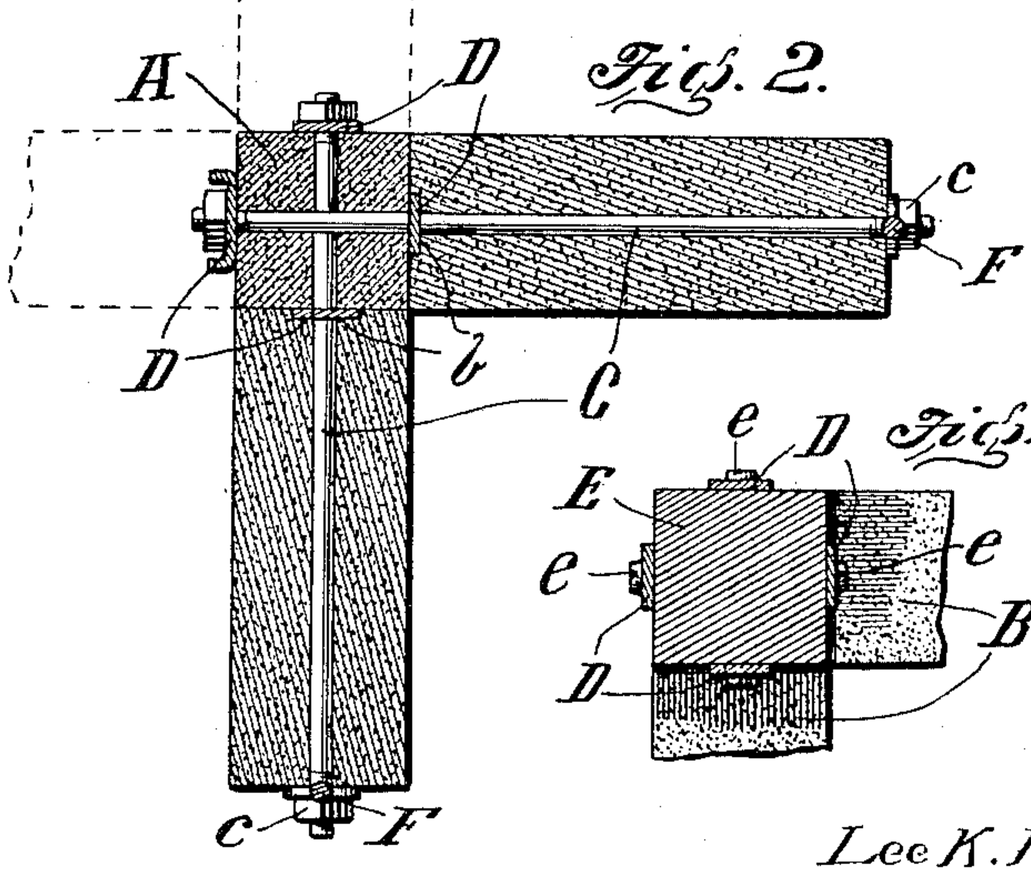

Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

LEE K. FORSYTHE, OF BATTLE CREEK, MICHIGAN.

ARTIFICIAL-STONE BASE.

SPECIFICATION forming part of Letters Patent No. 657,867, dated September 11, 1900.

Application filed June 28, 1900. Serial No. 21,933. (No model.)

To all whom it may concern:

Be it known that I, LEE K. FORSYTHE, of Battle Creek, in the county of Calhoun and State of Michigan, have invented certain new and useful Improvements in Artificial-Stone Bases; and I hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form part of this specification.

This invention is an improvement in artificial-stone bases for telegraph or telephone poles, standards, fence-posts, &c., and is useful wherever it is desired to have a very firm and durable support for a wooden pole or post.

The invention is an improvement upon the device shown in my application for patent, Serial No. 7,897, File No. 294; and its objects are to stiffen and strengthen the vertical portion of the base and bind the post more securely thereto and more thoroughly brace the same than heretofore, and the base is made in sections which, if desired, need not be assembled except at the point where the post is to be erected.

The invention consists in the improved novel construction and combination of parts hereinafter described and claimed.

Figure 1 is a perspective view of the post. Fig. 2 is a transverse section in the plane of rods C C; and Fig. 3 is a similar section on line 3 3, Fig. 1.

A designates the upright member of the base, preferably formed of artificial stone or concrete of any suitable kind, and this upright is preferably square in cross-section. B B are anchor-pieces, also preferably formed of concrete and having their inner ends abutted against adjoining sides of the upright A at the lower end thereof. The anchor-pieces B are secured to the post A by means of tie-rods C, as shown. At each side or face of upright A is a vertical metal strap D (four of which are shown) lying flat against the sides of the upright A and extending below the tie-rod C and are transfixed thereby, as indicated in the drawings. The ends of the anchors B are suitably recessed, as at *b*, to accommodate the straps D and allow the ends of the anchors to abut closely against the faces of the uprights A. The straps D also project above the top of the upright A, upon which the lower end of the pole or post E (which is preferably of wood) rests, the upper ends of the straps D bearing against the sides of said post and are fastened thereto by means of the bolts *e*, which transfix the lower ends of the pole and diametrically-opposite straps, as shown in the drawings. By this means the pole is firmly held upon the upright A and at the same time is connected by straps D and rods C to the anchors B. As a further precaution the pole is braced by means of the rods F, the upper ends of which are secured to the pole above the ends of straps D by means of the bolts *f*, while the lower ends of brace-rods F are strung upon the projecting threaded ends of the tie-rods C at the outer ends of the anchors B and are secured thereto by nuts *c*, as shown. By this construction a most secure and reliable support is afforded for the pole or post, and when the base is buried in the ground the pole will be upheld in a most secure manner.

The present construction is superior to the construction shown in my said application in that the upright A is solid, and the metal straps D, while holding the pole securely on top of the upright A on all four sides, also stiffen said upright and also connect the post directly to the tie-rods C at the inner ends of the anchors B, so that it is impossible for the post to be lifted vertically off the upright A. This construction is particularly useful in erecting telephone, telegraph, and electric-light poles.

In the drawings I have shown only two anchor-pieces B, but it is obvious that three or four may be used, if desired, where very heavy poles are to be supported and braced. It is also obvious that the lower ends of the braces F may be simply hooked over the projecting ends of the tie-rods C, as indicated at c^2 in the right-hand side of Fig. 1, the particular manner of the connection of the braces to the post and to the anchor-pieces or tie-rods not being an essential feature of the invention and may be varied according to the size and character of the post to be supported. If desired, the metal straps D might also be extended so as to be transfixed by the bolts *f*, as indicated in the left-hand side of Fig. 1. The straps D are shown as being

rectangular in cross-section, but angle-iron may be used, if desired, to afford possibly greater stiffness to the post, as indicated in the left-hand side of Fig. 2.

I do not in this application claim the upright and straps independently of the anchors, which construction will form the subject-matter of a separate application.

What I claim as new is—

1. In a base for posts, &c., an upright, adapted to support a pole or post on its upper end, metal straps on the sides of the upright secured thereto and projecting above the upper end thereof and fastened to the post above the upright, and the anchor-piece attached to and projecting from the lower part of the upright, substantially as described.

2. The combination of an upright, the pole or post supported on the upper end thereof, and metal straps on the sides of the upright secured thereto and projecting above the upper end thereof and fastened to the post above the upright; with an anchor-piece projecting from the lower part of the upright, the tie-bolt securing the anchor-piece to the upright, and the brace-rod attached to the anchor-piece and to the post above the upright, substantially as described.

3. The combination of the upright, anchor-pieces attached to the lower end thereof, the pole or post supported on the upper end of said upright and the metal straps attached at their upper ends to the lower end of the pole or post and extending down the sides of the upright and fastened thereto and to the anchor-pieces at the lower end thereof substantially in the manner and for the purpose described.

4. The combination of the upright, the anchor-pieces secured thereto by tie-bolts, the post or pole supported on top of the upright, and the metal straps attached to the lower end of the post above the upright, extending down the sides of the upright and having their lower ends secured by the tie-bolts which secure the anchors to the uprights, for the purpose and substantially as described.

5. The combination of the upright, the anchor-pieces secured thereto by through-bolts, the post or pole supported on top of the upright, the metal straps attached to the lower end of the post above the upright, extending down the sides of the upright and having their lower ends secured thereto by tie-bolts which secure the anchors to the uprights, and brace-rods having their upper ends bolted to the post above the upright and their lower ends fastened to the outer ends of the anchor-pieces, for the purpose and substantially as described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

LEE K. FORSYTHE.

Witnesses:
JAMES R. MANSFIELD,
WM. CLEARY SULLIVAN.