J. WEIS.

Improvement in Iron Telegraph-Poles.

No. 130,884. Patented Aug. 27, 1872.

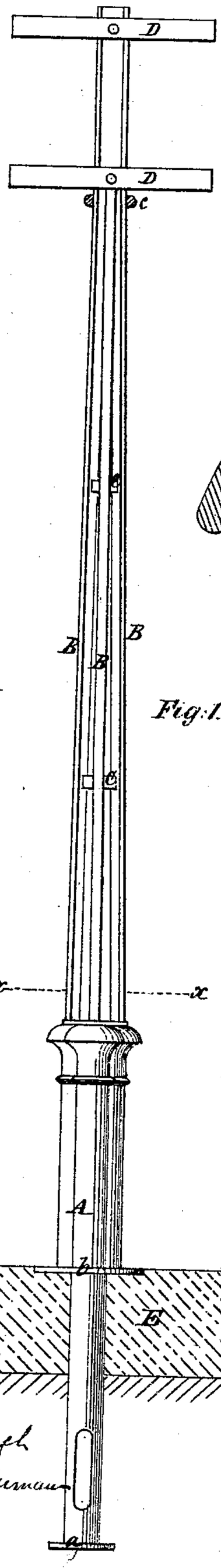

Fig. 1.

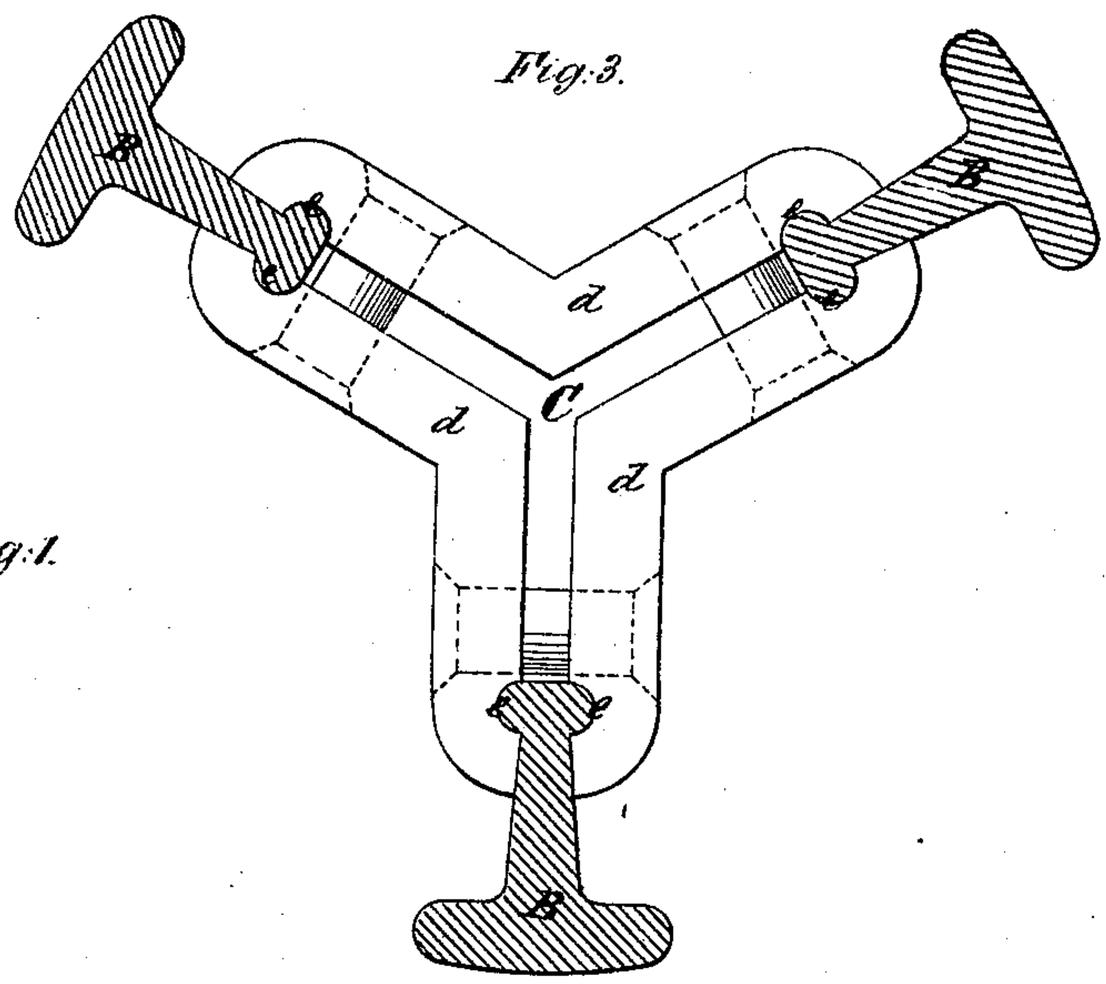

Fig. 3.

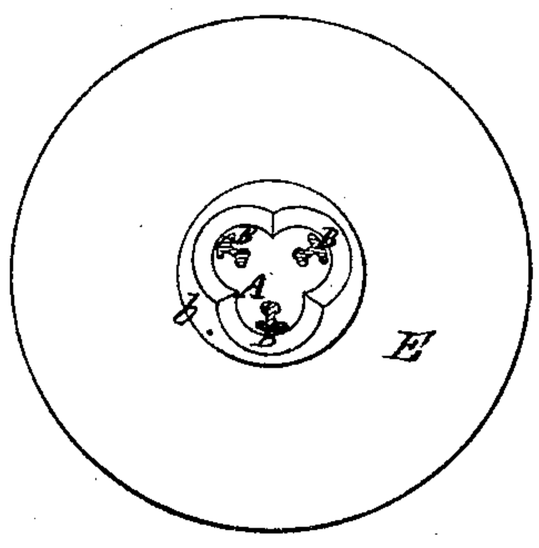

Fig. 2.

Witnesses:

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UNITED STATES PATENT OFFICE.

JOSEPH WEIS, OF MARION DEPOT, JERSEY CITY, NEW JERSEY.

IMPROVEMENT IN IRON TELEGRAPH-POLES.

Specification forming part of Letters Patent No. **130,884**, dated August 27, 1872.

To all whom it may concern:

Be it known that I, JOSEPH WEIS, of Marion Depot, Jersey City, in the county of Hudson and State of New Jersey, have invented a new and useful Improvement in the Construction of Iron Telegraph-Poles, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 is an elevation of an iron telegraph-pole constructed according to my invention. Fig. 2 is a horizontal section of the same taken on the line *x x*, and corresponding with Fig. 1; and Fig. 3 is a horizontal section of the pole on an enlarged scale.

Similar letters of reference indicate corresponding parts in the several figures.

This invention consists in the novel construction of an iron telegraph-pole, which is composed of three or more T-shape or angle iron bars that are secured to a cast-iron base and held together by braces, substantially as herein shown and described, whereby cheapness of construction and a high degree of durability are obtained.

To enable others to understand the construction of my invention, I will proceed to describe the same with reference to the drawing.

A is a cast-iron base, the lower portion of which, being intended to be embedded in the ground, is provided with flanges *a b*, which serve to hold said base firmly in the ground. The upper portion of the base A may be made of plain or ornamental form, and of such dimensions as will insure a sufficient stability of the pole. B are T-shaped or angle-iron bars, of proper dimensions. Said bars are cast into the top of the base A, or otherwise secured thereto, at equal distances from each other, and in such a manner that their upper ends will meet and be there united by a ring, *c*, cast around those ends or otherwise secured. C C are braces which serve to connect the bars B at certain distances from each other, whereby the bars B are prevented from bending and their necessary stiffness is secured. Each one of said braces is composed of as many pieces *d* as there are bars, said pieces *d* being made to lap over the inner edges of the bars B and riveted together or otherwise firmly united. To insure a firm hold, the inner edges of the bars B are provided with projections *e*, and the overlapping ends of the pieces *d* are provided with corresponding grooves, as plainly shown in Fig. 3. D are arms for supporting the insulators and wires. In "planting" the pole a layer of concrete, E, may be interposed between the ground and the flange *b* of the base A, thereby increasing the stability of the base.

What is here claimed, and desired to be secured by Letters Patent, is—

An iron telegraph-pole, composed of three or more bars, B, made T-shaped or of angle iron, said bars being secured to a base, A, and connected by braces C, substantially as herein shown and described.

JOSEPH WEIS.

Witnesses:

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