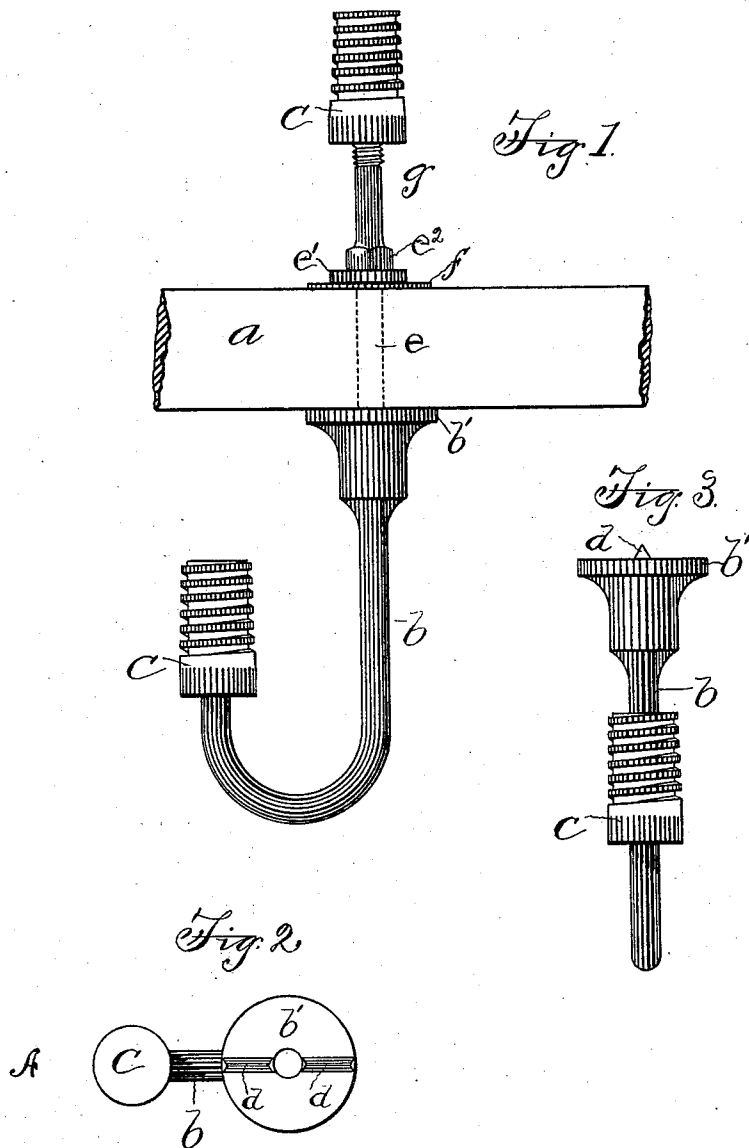


(No Model.)

C. P. TOWARD.
INSULATOR SUPPORT.

No. 565,944.

Patented Aug. 18, 1896.



Witnesses
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John P. Healy

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UNITED STATES PATENT OFFICE.

CHARLES P. TOWARD, OF PUTNAM, CONNECTICUT.

INSULATOR-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 565,944, dated August 18, 1896.

Application filed April 13, 1896. Serial No. 587,330. (No model.)

To all whom it may concern:

Be it known that I, CHARLES P. TOWARD, a citizen of the United States of America, residing at Putnam, in the county of Windham and State of Connecticut, have invented a certain new and useful Improvement in Insulator-Supports, of which the following is a description, reference being had to the accompanying drawings, wherein—

Figure 1 is a side view of an insulator-support embodying the said improvement. Fig. 2 is a detail view looking from above on the face of the base of the curved insulator-stem hereinafter described. Fig. 3 is a side view of the base shown in Fig. 2 from the side A.

The improvement pertains to supports for insulators for the line-wires of telegraphs, telephones, &c.

In the accompanying drawings, the letter *a* denotes one of the cross-arms, such as are commonly fastened to a telegraph-pole.

The letter *b* denotes a curved insulator-stem, preferably of steel or iron, carrying a wooden block *c*, exteriorly threaded to receive and hold one of the ordinary glass insulators.

The letter *b'* denotes the base of the curved insulator-stem *b*. It is interiorly screw-threaded, and the face of this base carries two (2) sharpened leaves *d*.

The letter *e* denotes a bolt running through the cross-arm, and *e'* denotes the head thereof. This head bears upon the top of the wooden cross-arm through the medium of the washer *f*.

The letter *e²* denotes a squared part appertaining to the head of the bolt and thereby fitted to give holding-place for a wrench to

turn the bolt. The lower end of this bolt is exteriorly screw-threaded and takes into the interiorly-threaded part of the base *b'* of the curved insulator-stem *b*. By means of a wrench taking hold of the squared part *e²* the bolt and the curved insulator-stem can be fastened to the wooden cross-arm as tightly as desired. In this process the sharpened leaves *d* are forced into the wood of the cross-arm, and thereby the curved insulator-stem is kept fastened against rotation.

The letter *g* denotes an upright insulator-stem rising from the head of the bolt and adapted, through the medium of the wooden sleeve which is thereon, to take and support an ordinary glass insulator.

In some cases it is proposed to coat the curved insulator-stem with mica or other insulating substance, so that if by chance the line-wire parts company with the insulator, so as to be supported by the insulator-stem, its insulation from that stem is still preserved.

I claim as my improvement—

1. The curved insulator-stem *b* interiorly screw-threaded at the base and provided with the leaves *d*, in combination with the headed bolt *e*, all substantially as described and for the purposes set forth.

2. The curved insulator-stem *b* interiorly screw-threaded at the base and provided with the leaves *d*, in combination with the headed bolt *e*, the squared part *e²*, and the upright insulator-stem *g*, all substantially as described and for the purposes set forth.

CHARLES P. TOWARD.

Witnesses:

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