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SUPPORTING PIN FOR INSULATORS.
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932,570.

Patented Aug. 31, 1909.

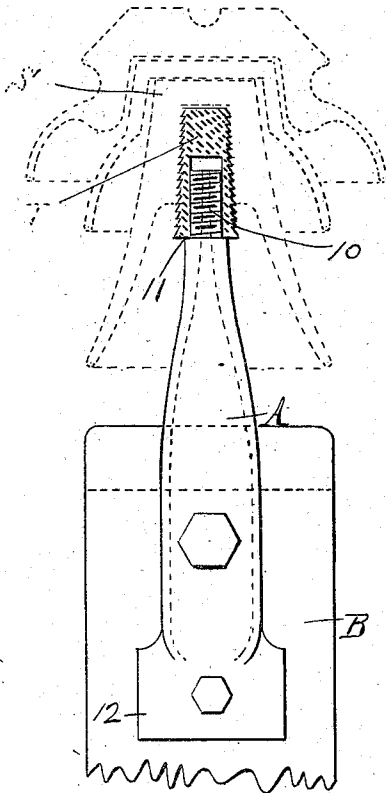


Fig. 2.

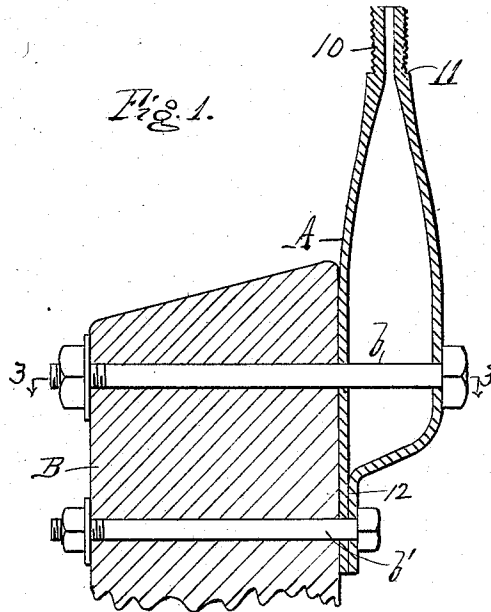


Fig. 1.

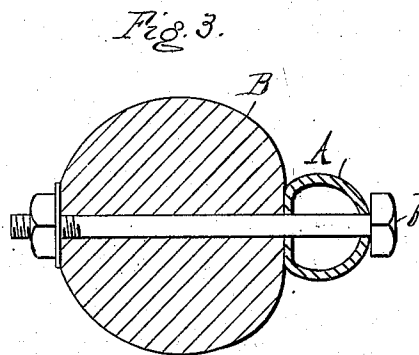


Fig. 3.

WITNESSES
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UNITED STATES PATENT OFFICE.

FREDERIC A. C. PERRINE, OF PLAINFIELD, NEW JERSEY; MARGARET E. PERRINE EXECUTRIX
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SUPPORTING-PIN FOR INSULATORS.

982,570.

Specification of Letters Patent. Patented Aug. 31, 1909.

Application filed October 17, 1908. Serial No. 458,173.

To all whom it may concern:

Be it known that I, FREDERIC A. C. PERRINE, a citizen of the United States of America, and residing at Plainfield, in the county of Union and State of New Jersey, have invented a new and useful Improved Supporting-Pin for Insulators, of which the following is a specification.

My invention relates to the construction of metal pins for supporting insulators, particularly large high-tension insulators upon poles and other structures of wood or metal, and the main object of my invention is to construct a simple and inexpensive but mechanically strong supporting pin for this purpose.

A further object of my invention is to construct a supporting pin of this character which shall be especially well adapted for use on pole tops.

In the accompanying drawings, Figure 1 is a vertical section showing the pole top form of my improved pin secured to a wooden pole top; Fig. 2 is a front elevation of the same; Fig. 3 is a section on the line 3-3, Fig. 1.

I form the pin of seamless drawn metal tubing of considerably less diameter at its top where it has to receive the insulator than at the lower end where it has to be secured in a vertical position to the pole, cross-arm or other support. At its extreme upper end the tubular pin is threaded to be screwed into a threaded thimble cemented or otherwise secured in the insulator, and below the screw threaded end is formed a shoulder or stop for the threaded thimble.

Referring to the drawings, it will be seen that as there shown, my tubular supporting pin A is somewhat of a tapering bottle shape, the upper end being of considerably less diameter than the lower end where it

has to be secured to the pole or other support B. The top end which projects a suitable distance above the pole top is exteriorly screw threaded at 10 to enter a correspondingly threaded thimble T, (indicated by dotted lines in Fig. 1), which is cemented or otherwise secured in the insulator S, also indicated by dotted lines. I also form just below the upper threaded end of the pin a shoulder 11 to afford a better support for the insulator. In the construction shown, the larger, lower end of the tubular pin may be somewhat flattened on one side for application to the slatted side face of the top of the pole or other support B, (Fig. 3), and the extreme lower end of the pin is shown closed and flattened down to form a flange 12 as a continuation of the flattened side of the tube. A hole is formed in this flange 12 and also in the walls of the tube at a point above the flange for the passage of the securing bolts *b* and *b'*, which pass through the pole top or other support B.

I claim as my invention:

An insulator pin consisting of a wrought metal tube having its lower end formed with a flange by which it may be secured in a vertical position to the side of a pole top, but projecting above the latter in combination with a transverse securing bolt passing through the flange and pole and another transverse securing bolt passing through the body of the tube and the pole, substantially as described.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses.

FREDERIC A. C. PERRINE.

Witnesses:

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