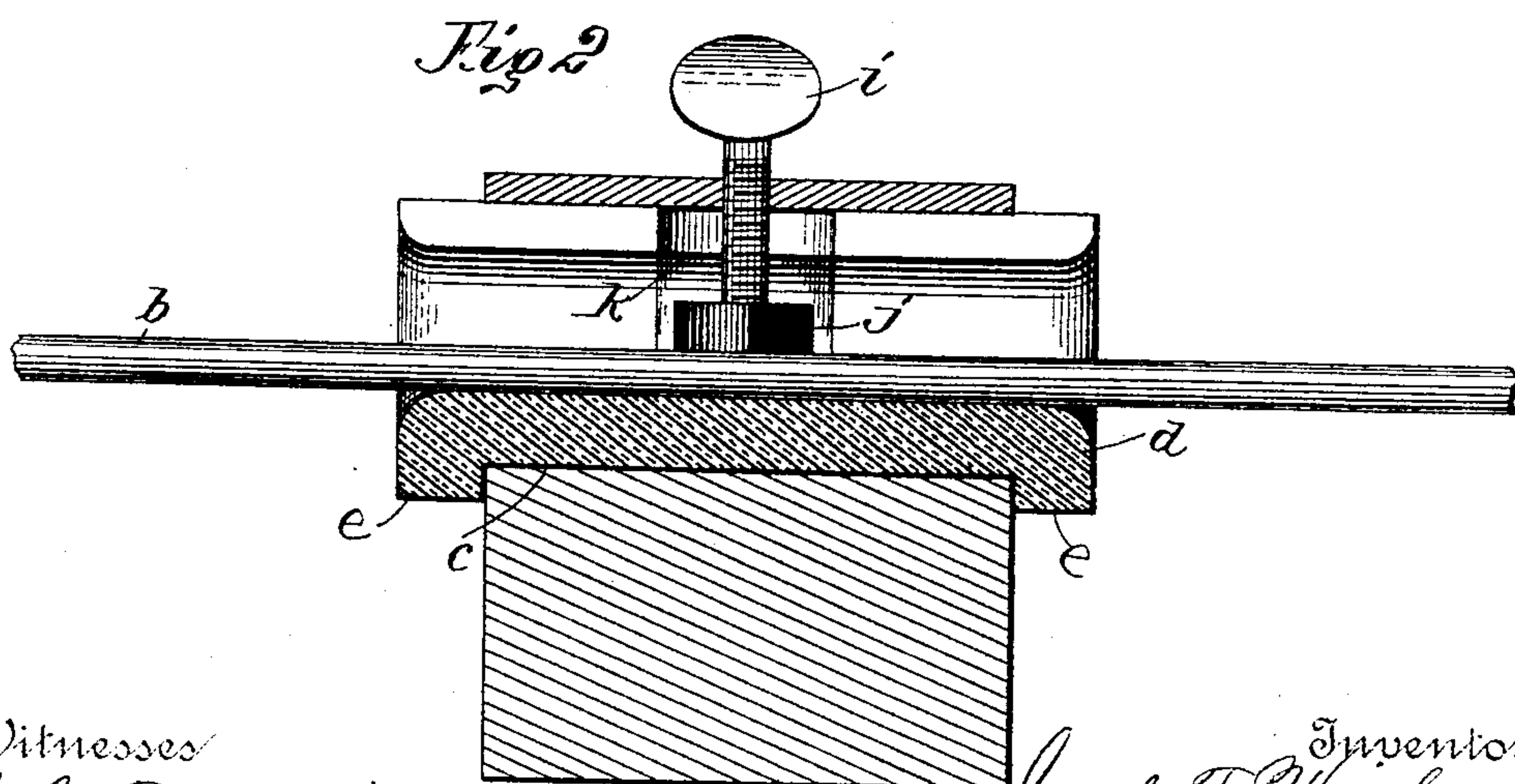
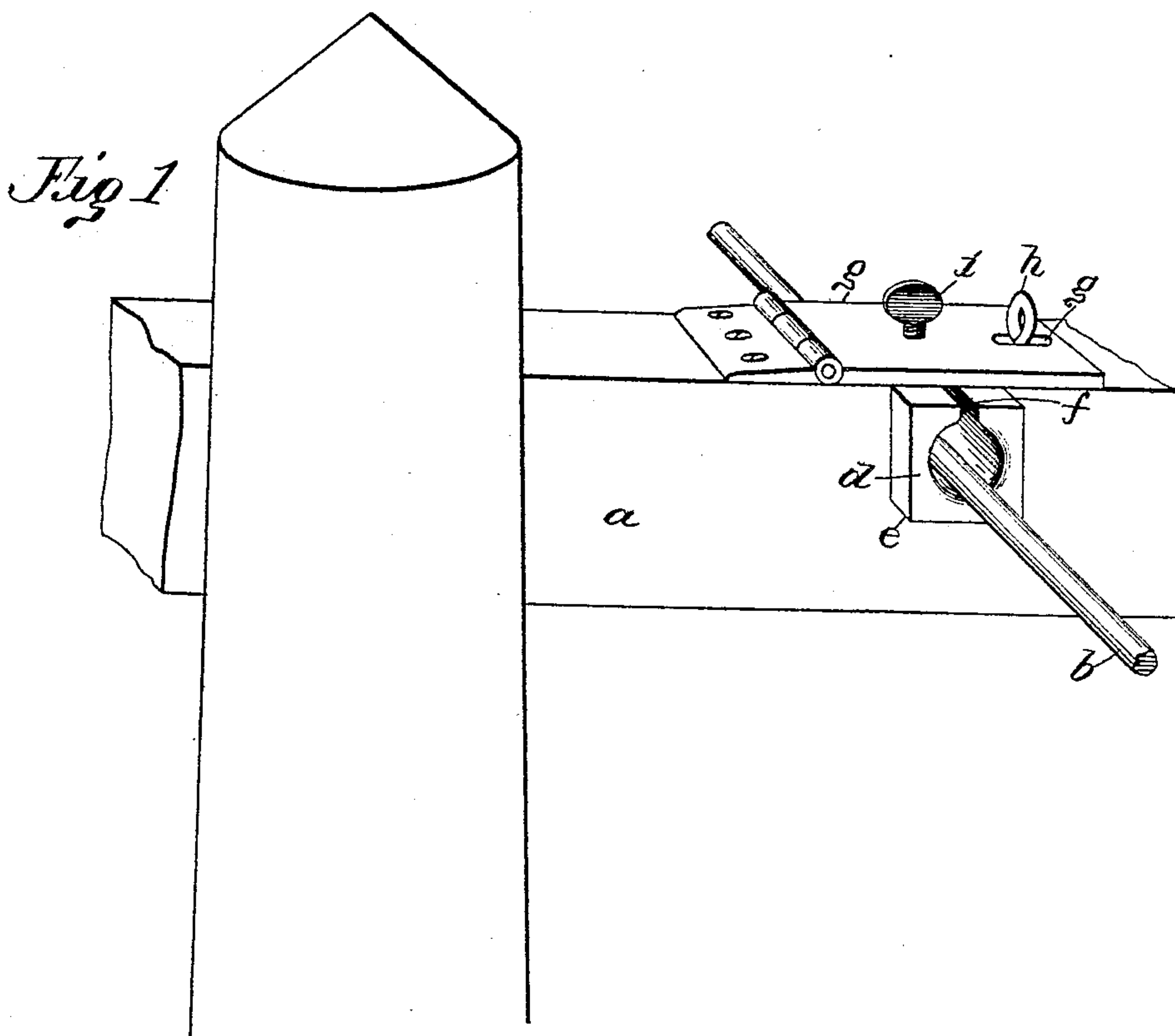


(No Model.)

J. F. WRIGHT.  
INSULATOR.

No. 496,081.

Patented Apr. 25, 1893.



Witnesses  
C. C. Burdine  
J. A. Owens

Inventor  
Joseph F. Wright  
Per *Wm. D. Bant & Son*  
Attorneys.

# UNITED STATES PATENT OFFICE.

JOSEPH F. WRIGHT, OF COLORADO SPRINGS, COLORADO.

## INSULATOR.

SPECIFICATION forming part of Letters Patent No. 496,081, dated April 25, 1893.

Application filed January 31, 1893. Serial No. 460,195. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH F. WRIGHT, a citizen of the United States, residing at Colorado Springs, in the county of El Paso and State of Colorado, have invented certain new and useful Improvements in Insulators for Telegraph-Wires; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to an improvement in insulators for electric wires and particularly to those employed to hold telegraph wires when strung from the cross-beams of the usual poles, and it has for its object to produce an arrangement by which the wires may be more quickly, easily and securely attached.

To these ends my invention consists of certain novel features of construction and arrangements of parts that will be more fully described hereinafter and pointed out in the claims.

Referring to the accompanying drawings, Figure 1, represents a perspective view of my improvement applied to an ordinary telegraph pole, and Fig. 2, a longitudinal section thereof.

The reference letter *a* indicates the cross-beam to which the wire *b* is to be attached, provided with the recess *c* on its upper face. Into this recess the insulator proper fits. This consists of the glass tube *d*, square in cross section and provided with the flanges *e*, extending around three sides of the tube, which flanges lap over the edges of the recess *c*, and by which the insulator is held in place. Formed in the top side of the insulator *d*, is a longitudinal opening or passage *f*, through which the wire is passed when applied.

Hinged to the upper face of the cross-beam *a*, is the metallic lid *g*. This lid spans the recess *c*, and is provided with a small elongated opening *g'* in its free end, which is adapted to receive the fastening button *h*. By turning this button in the required direction the lid may be secured in a horizontal position.

Working in the lid *g*, directly over the opening *f*, in the insulator *d*, is a thumb screw *i*,

provided at its lower end with a non-conducting button *j*. This button is received by a registering opening *k* formed in the middle portion of the opening *f*, and extending into the hollow part of the insulator. By means of this device the wire when in position is securely clamped in place.

When it is desired to secure a wire to the cross-beam the lid *g*, is first lifted and the wire inserted in the insulator by way of passage *f*. When this has been effected the lid is replaced and thumb screw *i* screwed down, the button *j* binding upon the wire and securely fastening it in place. The lid is secured as explained before, by means of the fastening button *h*.

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

1. In an insulator for electrical wires the combination of a non-conducting tube or holder and a thumb screw having a non-conducting button on its lower end operating therewith.

2. In an insulator for electrical wires the combination with the cross-beam of a pole or support, of a non-conducting tube countersunk in the face of said cross-beam and having an opening in its side for the admission of the wire, and a thumb screw provided with a non-conducting button on its lower end, for securing the wire in place.

3. In an insulator for electrical wires, the combination of a non-conducting tube countersunk in the face of the cross-beam to which it is attached, an opening in the side of said tube, a lid hinged to swing over the tube, a thumb screw working in the lid and in conjunction with the opening in the tube, and a fastening button for the lid.

4. In combination with an insulator, a hinged clamp and button as set forth.

5. In an insulator for electrical wires, the combination of a tube or holder having a longitudinal opening through its side, and a thumb screw having a button on its end operating therein, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JOSEPH F. WRIGHT.

Witnesses:

J. E. MCINTYRE,  
M. PICKFORD.