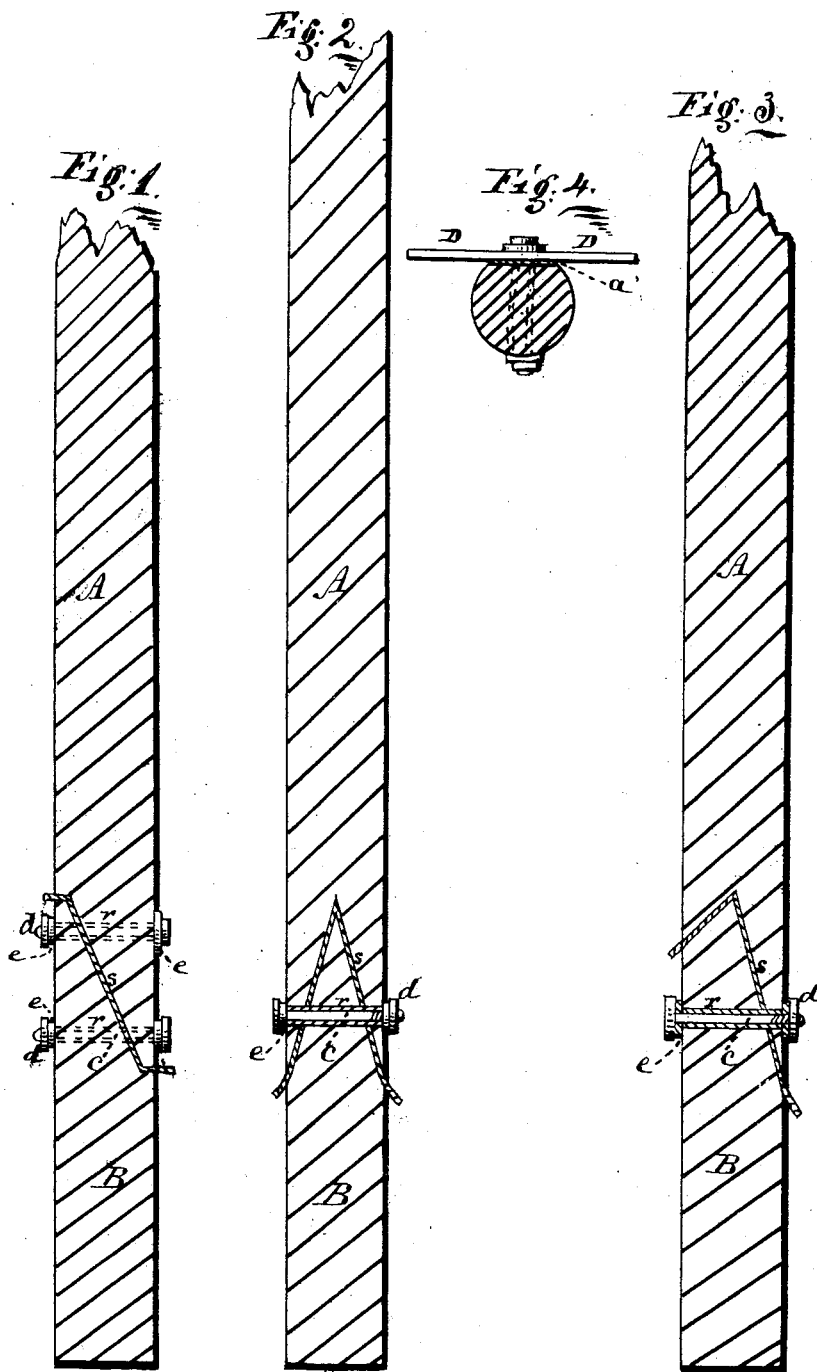


I. HERSEY.  
SECTIONAL TELEGRAPH POLE.

No. 114,138.

Patented Apr. 25, 1871.



Witnesses  
S. W. Wood  
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# United States Patent Office.

IRA HERSEY, OF NEW YORK, N. Y.

Letters Patent No. 114,138, dated April 25, 1871.

## IMPROVEMENT IN TELEGRAPH-POLES.

The Schedule referred to in these Letters Patent and making part of the same.

### *To all whom it may concern:*

Be it known that I, IRA HERSEY, of the city, county, and State of New York, have invented certain new and useful Improvements in Telegraph-Poles, of which the following is a specification.

My invention relates—

First, to an insulated sectional telegraph-pole, constructed substantially in the manner and for the purpose herein described.

Second, to the insulation of the cross-bar upon a telegraph-pole, as set forth.

Figure 1 represents a vertical longitudinal section of a fragment of a telegraph-pole, showing one form of uniting or jointing the sections.

Figure 2 is also a vertical longitudinal section, of a modified form, of fig. 1.

Figure 3 is a similar section, modified.

Figure 4 is a cross-section of the top of a telegraph-pole, representing the cross-bar and one method of insulating.

A represents that part of a telegraph-pole which forms the center or main body and to which the several sections may be secured, it forming one. This middle part, which is generally longer than the two extreme or top and bottom sections, may be treated to render it indestructible by decomposition if desired, though not so necessary as the two ends.

To the lower end of this main body is secured a section, B, of sufficient length, which is inserted in the earth, and which may or may not be treated to render it indestructible, to suit the constructor.

Various forms may be employed to unite these sections, as shown in figs. 1, 2, and 3, and secured in any convenient manner.

To insulate these sections in order to render a pole more perfectly non-conducting, sheets *s* of India rubber or other suitable non-conducting material may be inserted at the joints between the sections, as shown in the several figures, thereby breaking and checking the current of electricity that might otherwise pass off through a pole not in sections and insulated.

To secure the sections A B insulated bolts *c* and insulated nuts *d* may be employed, as in the several figures, by using a covering, *r*, of India rubber and inserting non-conducting washers *e e* between the pole and nut, and head of bolt and pole.

To insulate the cross-bar D non-conducting material *a* is placed between the pole A and the cross-bar D, securing the bar to the pole with insulated bolts and nuts, as at the joints of the sections.

Other forms of securing the several sections and cross-bar may be employed without departing from my invention.

I claim as my invention—

1. A telegraph-pole having its sections insulated, substantially in the manner and for the purpose herein set forth.

2. The cross-bar, insulated, upon a telegraph-pole, substantially as herein described.

Witnesses:

S. W. WOOD,  
W. T. ALMY.

IRA HERSEY.