D. M. REYNOLDS.

TELEGRAPH INSULATORS.

No. 183,865. Patented Oct. 31, 1876.

Fig. 1.

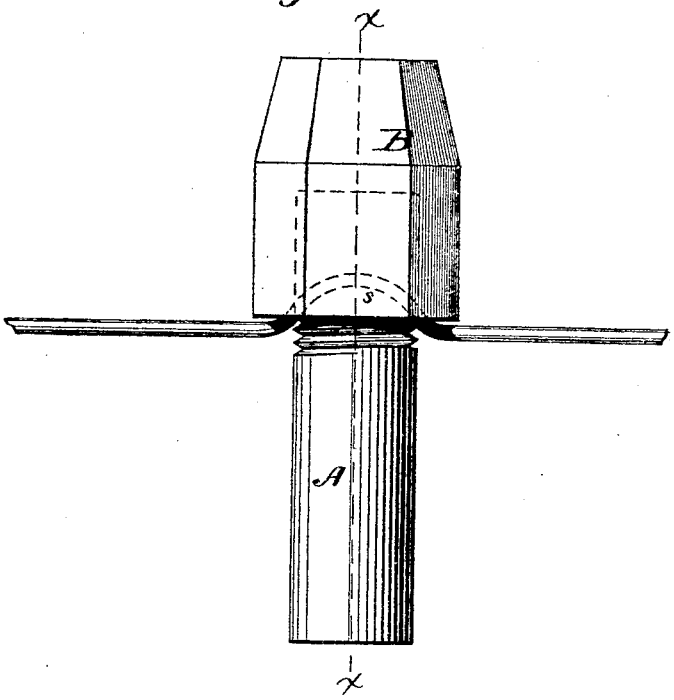
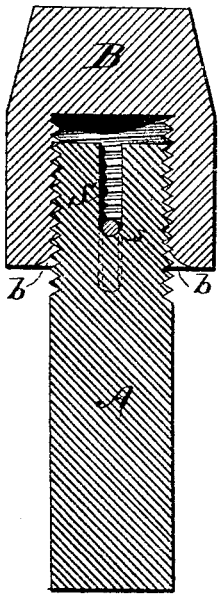


Fig. 2.



Witnesses
Granville Lewis
J. McKenny

Inventor;
David M. Reynolds.
By Hill & Ellsworth
His Attys

UNITED STATES PATENT OFFICE.

DAVID M. REYNOLDS, OF PORT DEPOSIT, MARYLAND.

IMPROVEMENT IN TELEGRAPH-INSULATORS.

Specification forming part of Letters Patent No. **183,865**, dated October 31, 1876; application filed March 8, 1876.

To all whom it may concern:

Be it known that I, DAVID M. REYNOLDS, of Post Deposit, in the county of Cecil and State of Maryland, have invented a new and Improved Telegraph-Insulator; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side elevation of the insulator, showing its application to a telegraph-wire; and Fig. 2 is a longitudinal vertical section, taken through the line *x x*, Fig. 1.

Similar letters of reference in the accompanying drawings denote the same parts.

My invention has for its object to provide an insulator for telegraph-wires, and other purposes, that shall combine cheapness with efficiency, and obviate the necessity of using a "tie-wire."

To these ends my invention consists of a glass peg screw-threaded at its upper end, adapted to be secured to the telegraph-pole, or wire support, in any suitable manner, combined with a glass nut or cap, between which and said peg the wire is firmly clamped and held in position, as I will now proceed to describe.

In the accompanying drawings, A represents the body or peg of the insulator formed preferably of glass. The upper end of said peg is screw-threaded, and provided with a longitudinal central slot, S, for the reception of the wire, as seen in Fig. 2. B is the nut or cap, formed also of glass, and adapted to be screwed onto the peg and clamp the wire firmly. The peg A is rounded off or convexed at the lower extremity of the slot S, as seen at *s*, so that when the cap is screwed down to its place the wire will be bent, and thus be prevented from slipping out of the insulator in case the telegraph-line should become broken. The lower inner corner of the cap, which comes in contact with the wire, is also rounded off so as not to cut the latter, as seen at *b*.

Inasmuch as tie-wires are not necessary my invention greatly facilitates the putting up and taking down of telegraph-lines and in making repairs thereto.

It is plain that the form of the peg and general form of the cap may be changed, and the essential element of clamping the wire between the two parts, one screwing upon the other, may be preserved.

I claim as my invention—

1. An insulator for telegraph-wires, consisting of a glass peg, having a threaded upper end and a glass cap formed to screw upon the peg and clamp the wire between itself and the peg, as set forth.

2. An insulator for telegraph-wires, consisting of a glass peg, its upper end screw-threaded, and slotted to receive the wire, in combination with a cap made to screw thereon and clamp the wire, as set forth.

3. The nut or cap B, having the lower inner edge rounded off, for the purpose specified.

4. The combination of the slotted and rounded peg A, with the cap B, rounded on its lower inner edges, substantially as described.

DAVID M. REYNOLDS.

Witnesses:

GEO. W. VANDIVER,

L. G. WHITE.