(No Model.)

J. WILSON.

TELEGRAPH WIRE AND INSULATOR FASTENING.

No. 347,454. Patented Aug. 17, 1886.

Fig. 1.

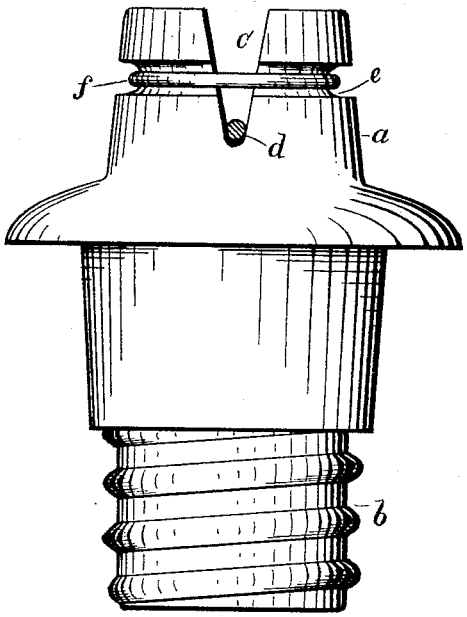
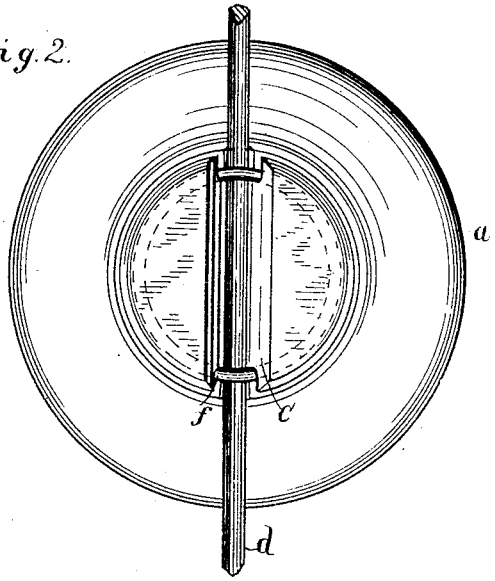


Fig. 2.



WITNESSES.

Joseph S. Lockwood.

W. J. Morgan.

INVENTOR.

John Wilson

By A. P. Thayer.

Atty

UNITED STATES PATENT OFFICE.

JOHN WILSON, OF NEW YORK, N. Y.

TELEGRAPH-WIRE AND INSULATOR FASTENING.

SPECIFICATION forming part of Letters Patent No. 347,454, dated August 17, 1886.

Application filed December 26, 1885. Serial No. 186,803. (No model.)

To all whom it may concern:

Be it known that I, JOHN WILSON, a citizen of the United States, residing at New York city, in the county and State of New York, have invented new and useful Improvements in Telegraph-Wire and Insulator Fastenings, of which the following is a specification.

My invention consists of an improved contrivance of the fastening device for securing telegraph-wires to the insulators more simply and efficiently than as now secured, as hereinafter described, reference being made to the accompanying drawings, in which—

Figure 1 is a side elevation of the insulator and a section of the telegraph-wire fastened together in accordance with my improved contrivance, and Fig. 2 is a top view.

I make the insulator *a* in any approved form and material, and with any desired means of connection with the supporting-arm, as the screw *b*, to screw into a socket of the arm, or with the usual peg-socket, or both, and make a deep transverse notch or groove, *c*, in the top of the insulator for the telegraph-wire *d* to lie in, the wire being stretched straight through the groove, and a suitable distance above the bottom of said groove *c*, I make a circumferential groove, *e*, in the exterior surface of the insulator, in which I wind the tie-wire *f* one or more turns around the insulator and then tie the ends together, making an effective fastening without interfering with the telegraph-wire, which is entirely free of obstruction and unaltered as to the lineal direction. The tie-wire may be fastened by its ends to the telegraph-wire, instead of being tied together, as preferred. In this example I have represented the groove *c* as traversing the insulator at the middle of the upper end; but said groove may be located either side of the middle, as preferred.

It is apparent that the telegraph-wire lodged in the groove *c* and secured by the tie-wire is much more substantially fastened than when tied against the side of the insulator in the common way.

I claim as my invention—

1. The improved insulator having the transverse groove *c* in the upper end for the telegraph-wire and the circumferential groove *e* traversing the groove *c* suitably for securing the tie-wire over the telegraph-wire lying in said groove, substantially as described.

2. The combination of the tie-wire *f* with the insulator having the transverse groove *c* and the circumferential groove *e*, and with the telegraph-wire resting in the groove *c*, substantially as described.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

JOHN WILSON.

Witnesses:
W. J. MORGAN,
S. H. MORGAN.