

(No Model.)

J. WILSON.

TELEGRAPH WIRE AND INSULATOR FASTENING.

No. 349,022.

Patented Sept. 14, 1886.

Fig. 1.

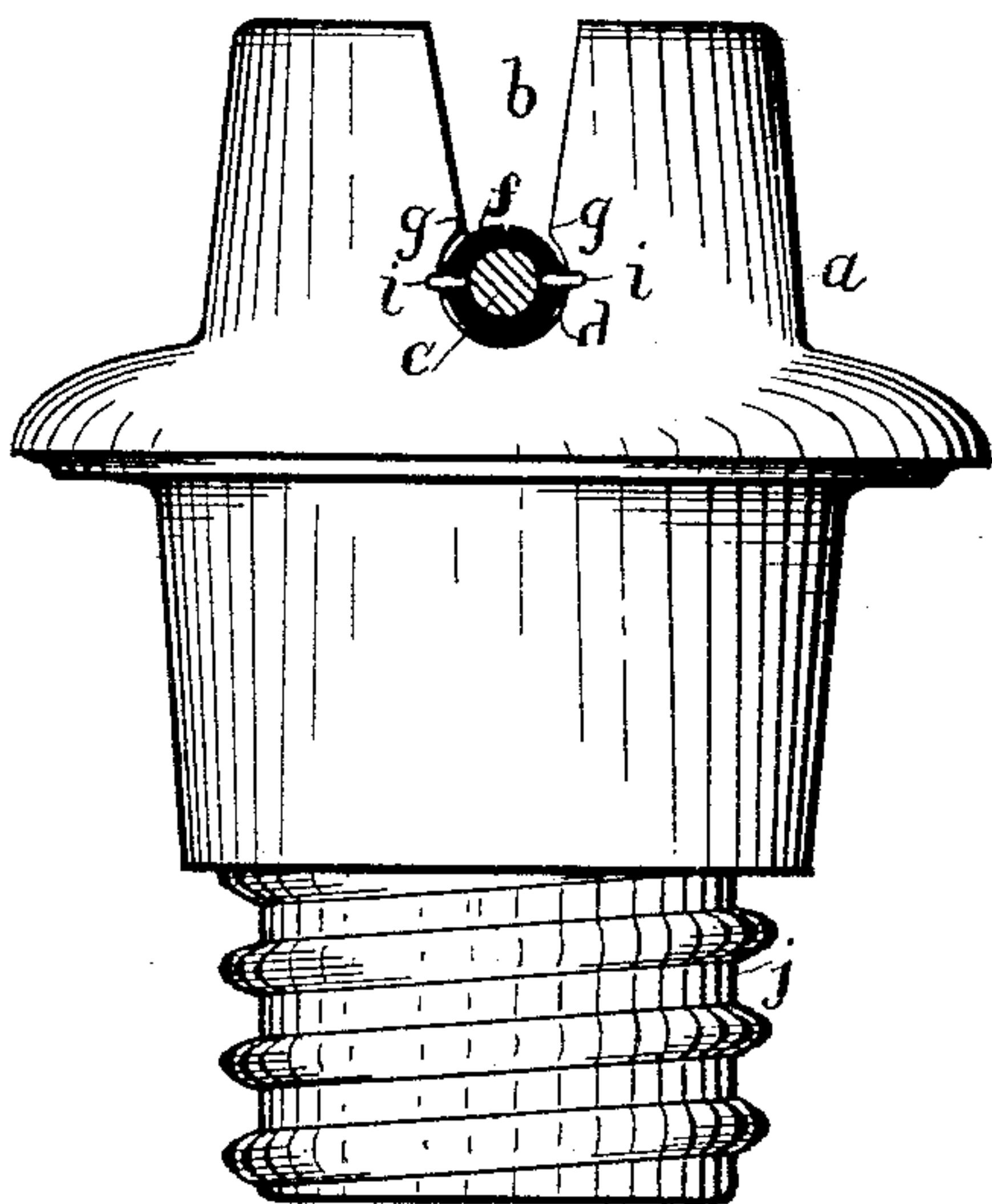


Fig. 2.

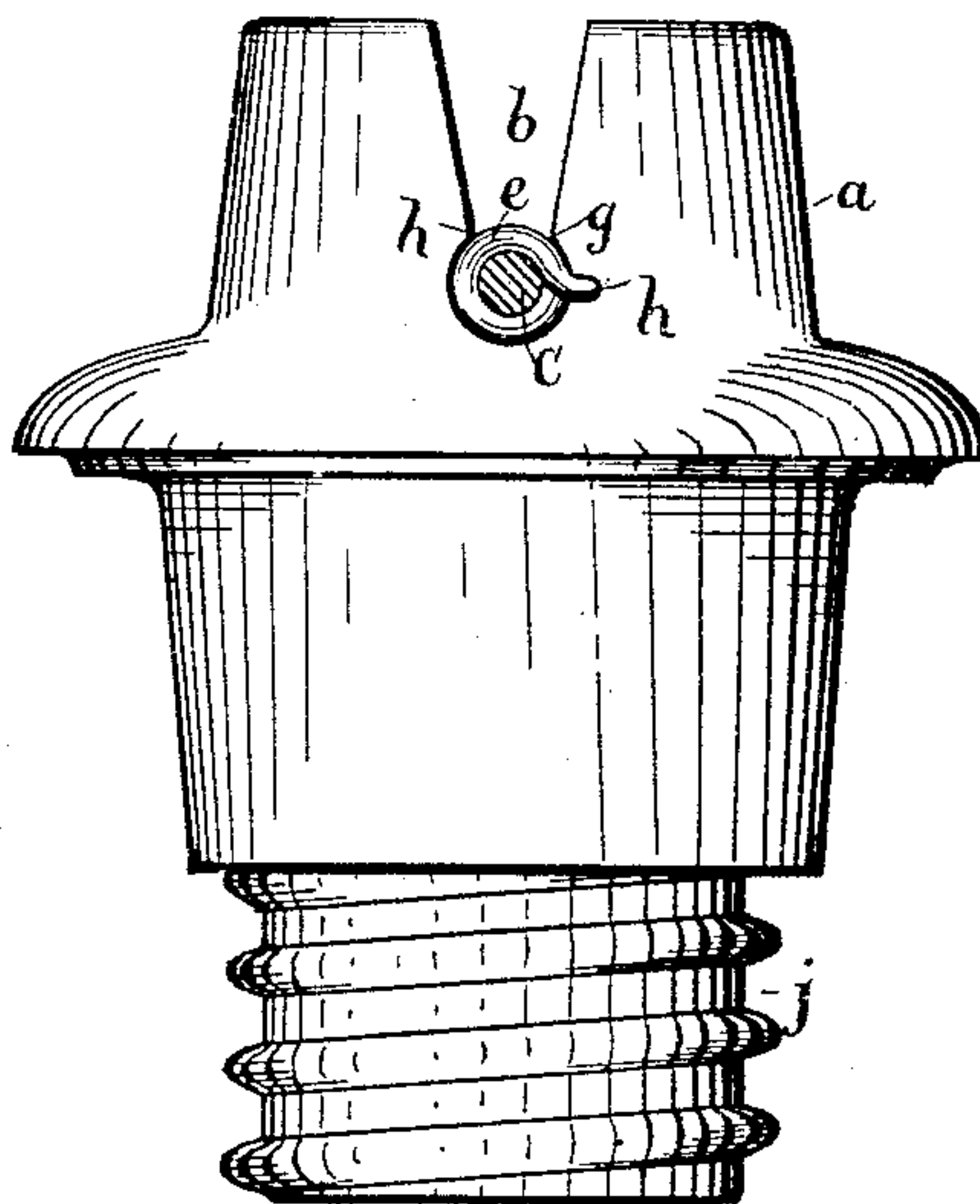


Fig. 3.

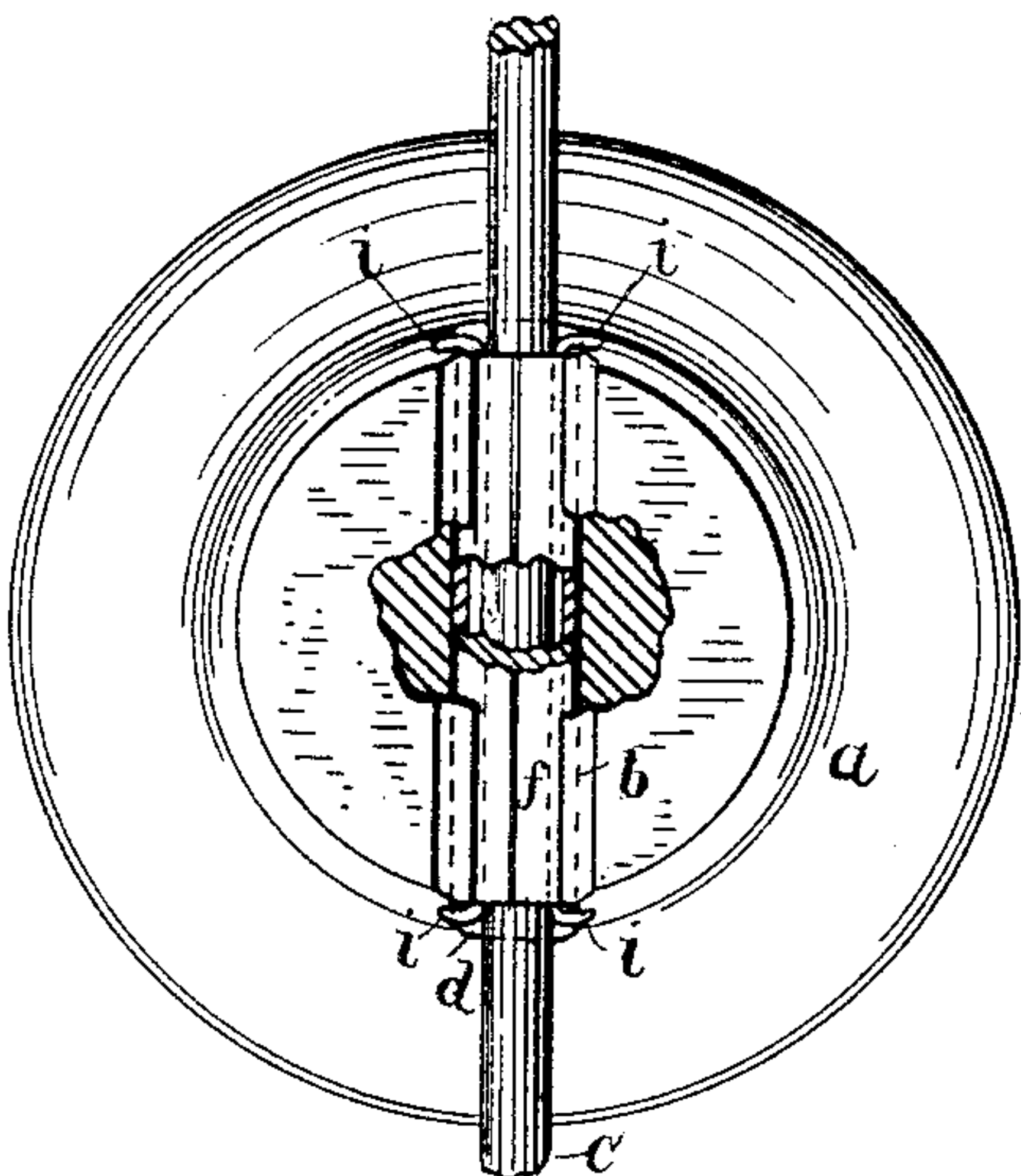
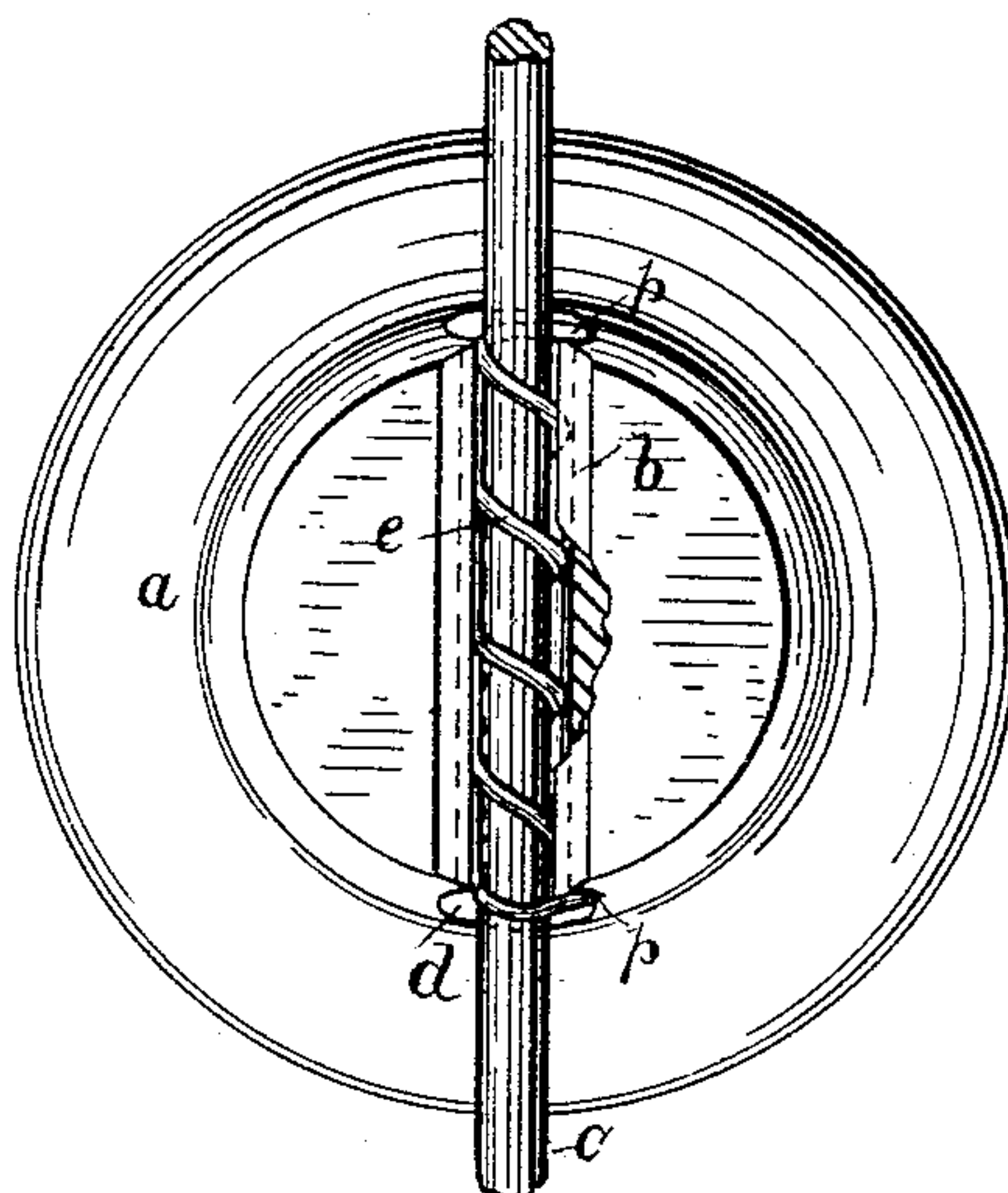


Fig. 4.



WITNESSES.

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TELEGRAPH-WIRE AND INSULATOR FASTENING.

SPECIFICATION forming part of Letters Patent No. 349,022, dated September 14, 1886.

Application filed December 26, 1885. Serial No. 186,804. (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 a new and useful Improvement in Telegraph-Wire and Insulator Fastenings, of which the following is a specification.

My invention consists of improved fastening devices designed for securing the telegraph-wires to the insulators more simply and effectually than as [by the present methods of fastening, as hereinafter fully described, reference being made to the accompanying drawings, in which—

Figures 1 and 2 are side elevations of the insulator and sections of the wire, showing my improved fastening; and Figs. 3 and 4 are plan views with some parts of the insulators broken out to show the fastening device more clearly.

I make the insulators *a* with a transverse notch or groove, *b*, in the upper end, which is just wide enough above the bottom to admit the wire *c*, and sufficiently wider in the bottom portion, *d*, to allow the fastener, which may consist of a wire, *e*, or a split tube, *f*, of rubber or other approved material, to be coiled around the wire in the enlargement, so as to chock the wire against escape by contact with the angular projections *g* of the walls of the groove at the junction of the wider bottom portion with the narrower upper portion of the groove.

The wire-fastener *e* may be coiled several times around the telegraph-wire spirally, and be secured against escaping from the groove by shifting along the telegraph by having its ends *h* projected, so as to form stops against the sides of the insulators, and the rubber tube may have wire stops *i* incorporated with it to

hook or project similarly beyond the walls of the groove.

To apply the fasteners, they may be coiled on the telegraph-wire at one side of the insulator, and then shoved along into the groove before the stops *h* or *i* of one end are bent out laterally.

The insulators may be made of glass, porcelain, or other approved material, and they may have the ordinary screw-section, *j*, for screwing into the supporting-arm or the peg-socket, or both.

What I claim, and desire to secure by Letters Patent, is—

1. The combination, with the insulator having the transverse groove *b*, angular projections *g* of the side walls, and the wider bottom portion, *d*, of said groove, and with the telegraph-wire laid in said groove, of a fastener coiled around the wire in the groove and forming chocks against said projections, substantially as described.

2. The combination, with the insulator having the transverse groove *b*, angular projections of the side walls, and the wider bottom portion of said groove, and with the telegraph-wire laid in said groove, of a fastener coiled around the wire in the groove and forming chocks against said projections, said fastener having stops at the ends against the sides of the insulator, 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.