

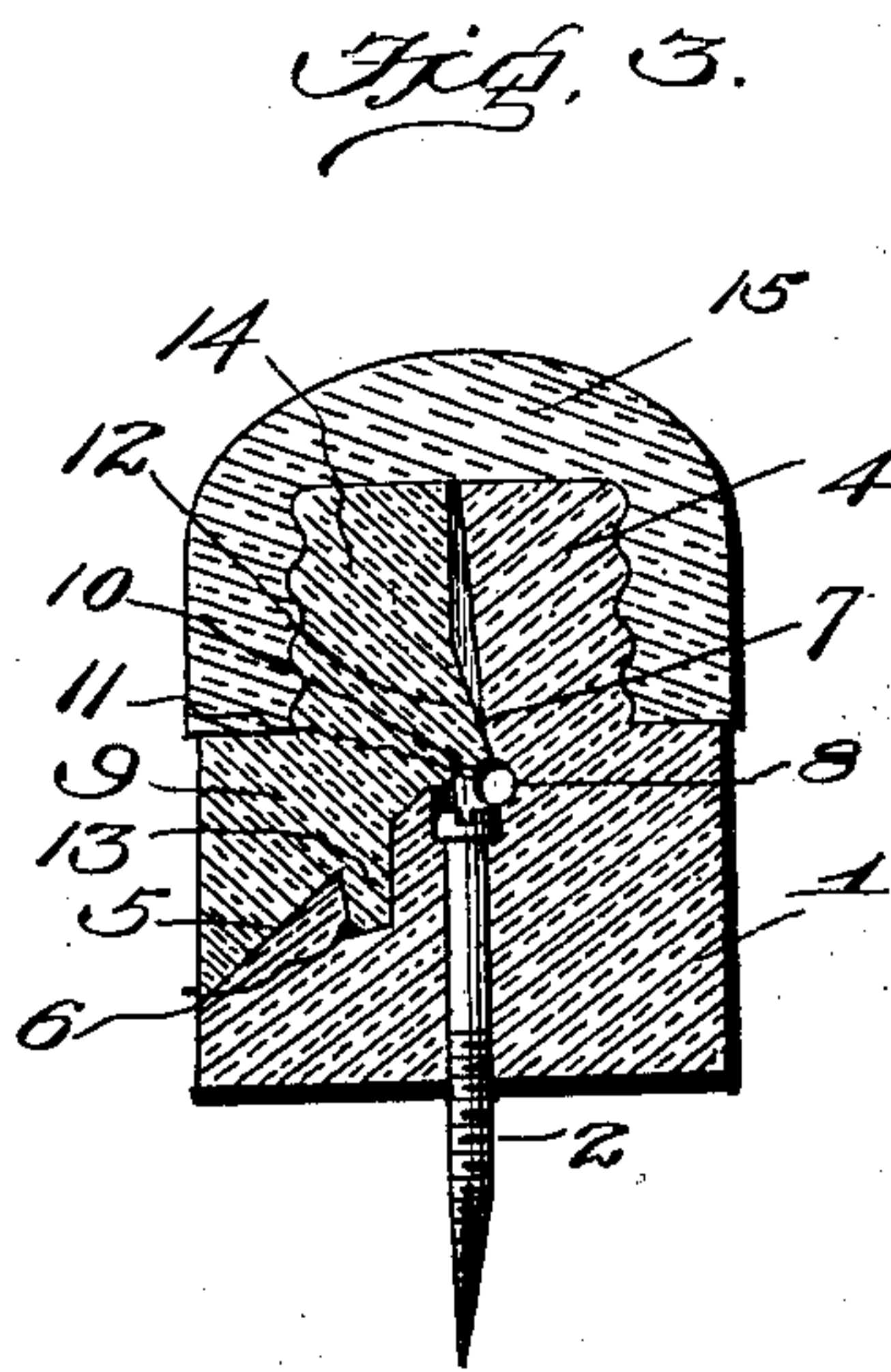
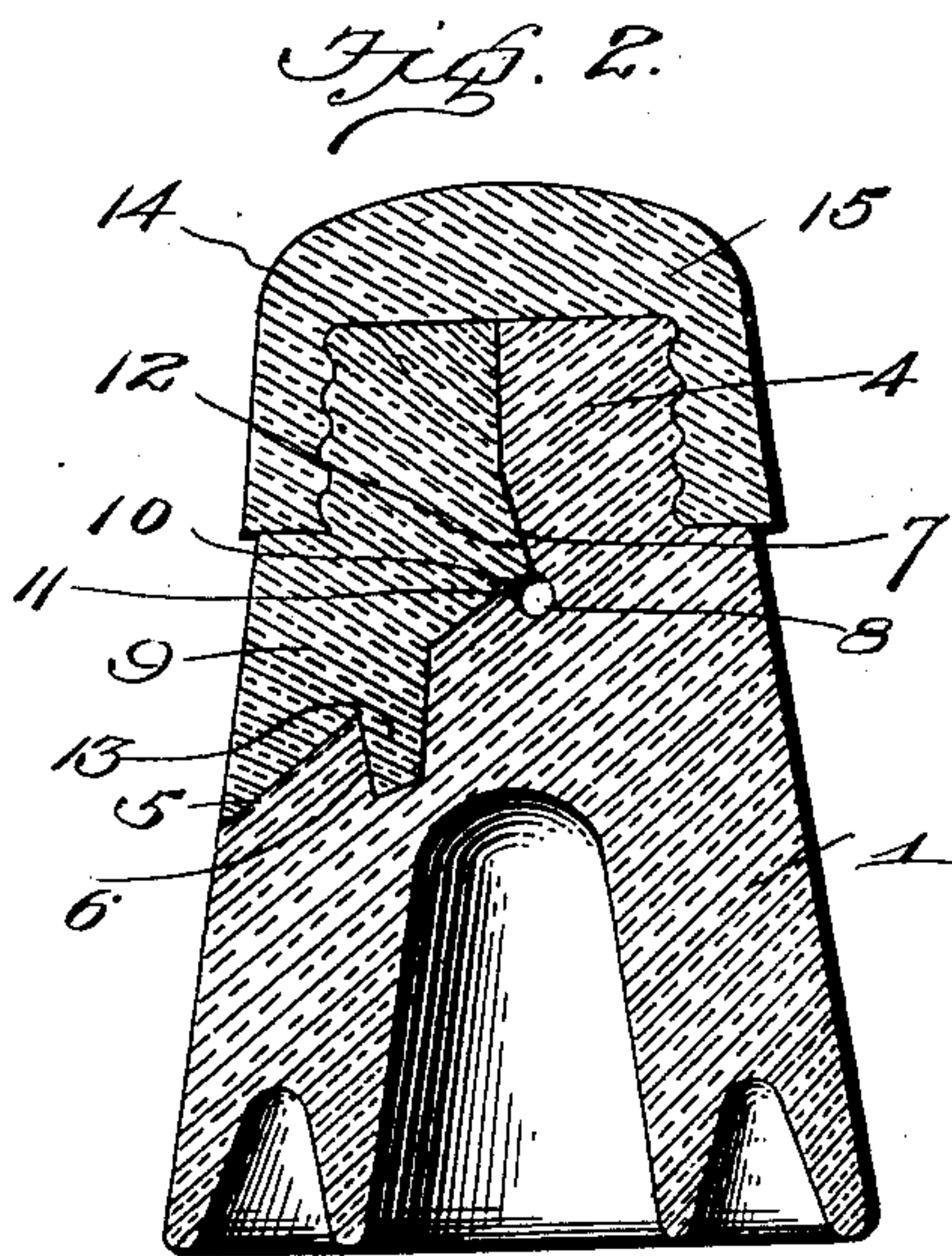
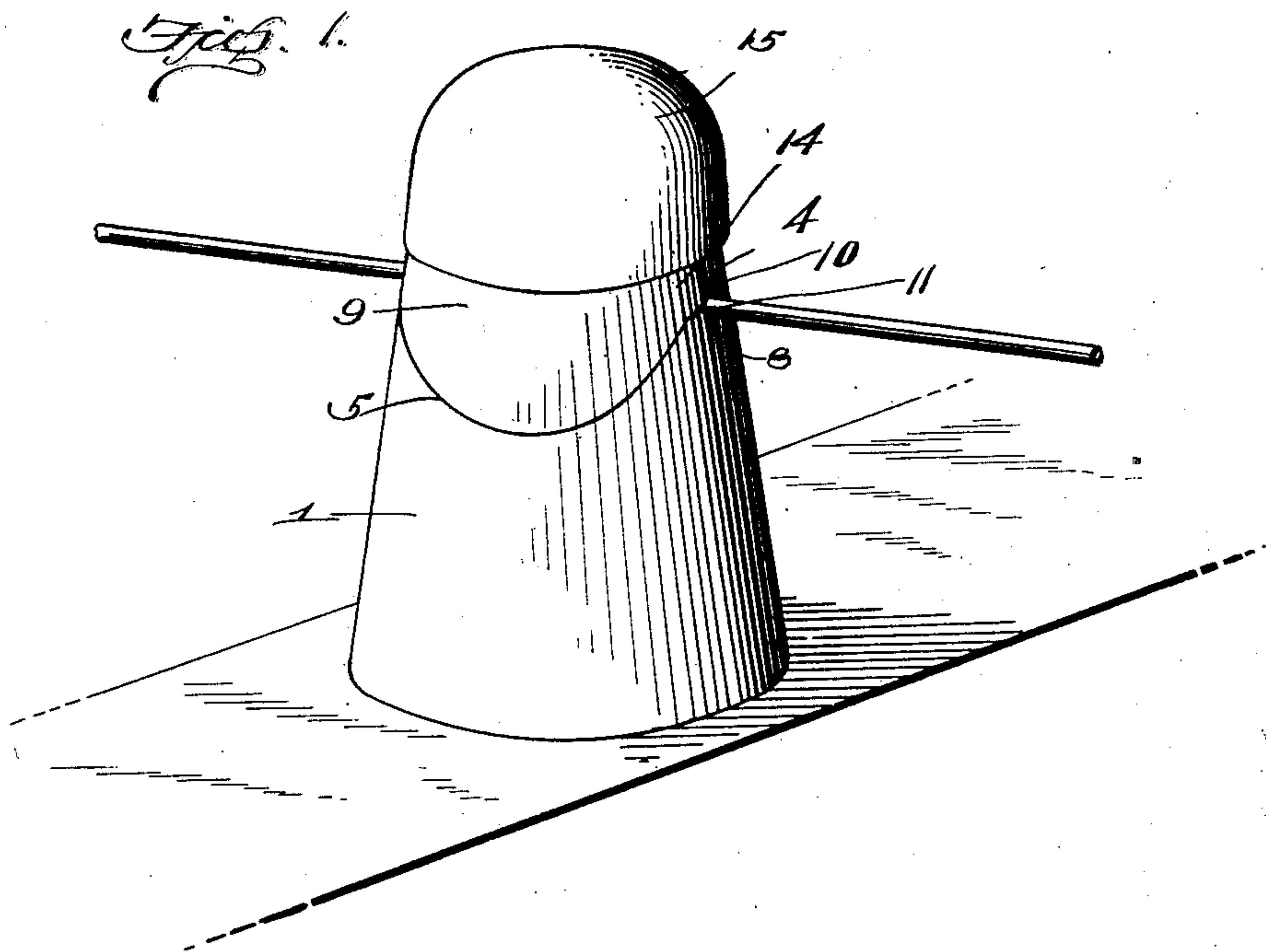
No. 739,147.

PATENTED SEPT. 15, 1903.

H. BOTTJER.  
INSULATOR FOR ELECTRIC WIRES.

APPLICATION FILED OCT. 23, 1902.

NO MODEL.



Inventor

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Witnesses

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# UNITED STATES PATENT OFFICE.

HERMAN BOTTJER, OF AUGUSTA, GEORGIA.

## INSULATOR FOR ELECTRIC WIRES.

SPECIFICATION forming part of Letters Patent No. 739,147, dated September 15, 1903.

Application filed October 23, 1902. Serial No. 128,474. (No model.)

*To all whom it may concern:*

Be it known that I, HERMAN BOTTJER, a citizen of the United States, residing at Augusta, in the county of Richmond and State of Georgia, have invented certain new and useful Improvements in Insulators for Electric 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.

The invention relates to insulators for electric wires.

The object of the invention is to provide an insulator which shall be simple of construction, durable in use, and comparatively inexpensive of production and by means of which the wire may be effectually held in place and when desired may be easily and quickly disconnected from the insulator.

In the accompanying drawings, Figure 1 is a perspective view of the insulator for outside work. Fig. 2 is a longitudinal vertical sectional view through the same, showing the wire held in position; and Fig. 3 is a similar view of the insulator for inside work.

Referring to the drawings, 1 denotes the base of the insulator, which for outside work is provided with a socket to receive the supporting-frame and which for inside work is provided with a screw 2, as shown in Fig. 3, by means of which it may be secured in position. The body portion of the insulator is cut away to leave a semicylindrical extension 4 and a beveled face 5. The beveled face 5 is provided with a vertically-disposed recess or socket 6 and a laterally-disposed recess or socket 7, which recess or socket 7 intersects a longitudinal groove 8.

9 denotes a block which is provided with a groove 10, which receives the rib 11 of the groove 8, with a lug 12, that projects into the recess 7, and with a lug 13, that projects into the recess 6. The exterior of this block conforms to the exterior of the base, so as to make a symmetrical finish when it is seated upon the base, and is, like the base, provided with a screw-threaded extension 14, upon which and the screw-threaded extension of the base is adapted to be screwed a cap 15.

In operation the wire is placed in the groove 8 and the block 9 fitted to the body portion

of the insulator, with its lugs engaging the sockets or recesses in the body portion. The cap 15 is now screwed upon the screw-threaded extensions of both body portion and the block and forces the block into firm contact with the body portion and the lug 12 into firm contact with the wire, so that said wire will be kinked and forced into the recess 7, thus securely locking said wire against longitudinal movement when secured to the insulator. When it is desired to disconnect the wire from the insulator, this may readily be done by unscrewing the cap and removing the block.

From the foregoing description, taken in connection with the accompanying drawings, the construction, operation, and advantages of my invention will be readily apparent, it is thought, without requiring a more extended explanation.

Various changes in the form, proportion, and minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of my invention.

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

In an insulator of the character described, the combination with a body portion and with a separable block, the body portion being provided with a parti-cylindrical screw-threaded extension and with a longitudinal groove communicating with a socket, and the block being provided with a screw-threaded extension to match the parti-cylindrical screw-threaded extension of the body portion and form a complete cylinder, said block being further provided with a lug adapted to project into the socket and kink the wire seated in the groove, of a cap having a screw-threaded connection with the screw-threaded extension of the block and body portion, whereby these two parts are drawn and held securely together, substantially as set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

HERMAN BOTTJER.

Witnesses:

GORDON C. WILLIAMS,  
JAMES I. NICHOLS.