

No. 834,533.

PATENTED OCT. 30, 1906.

J. F. NICOLS.
INSULATOR.

APPLICATION FILED SEPT. 11, 1905,

Fig. 1.

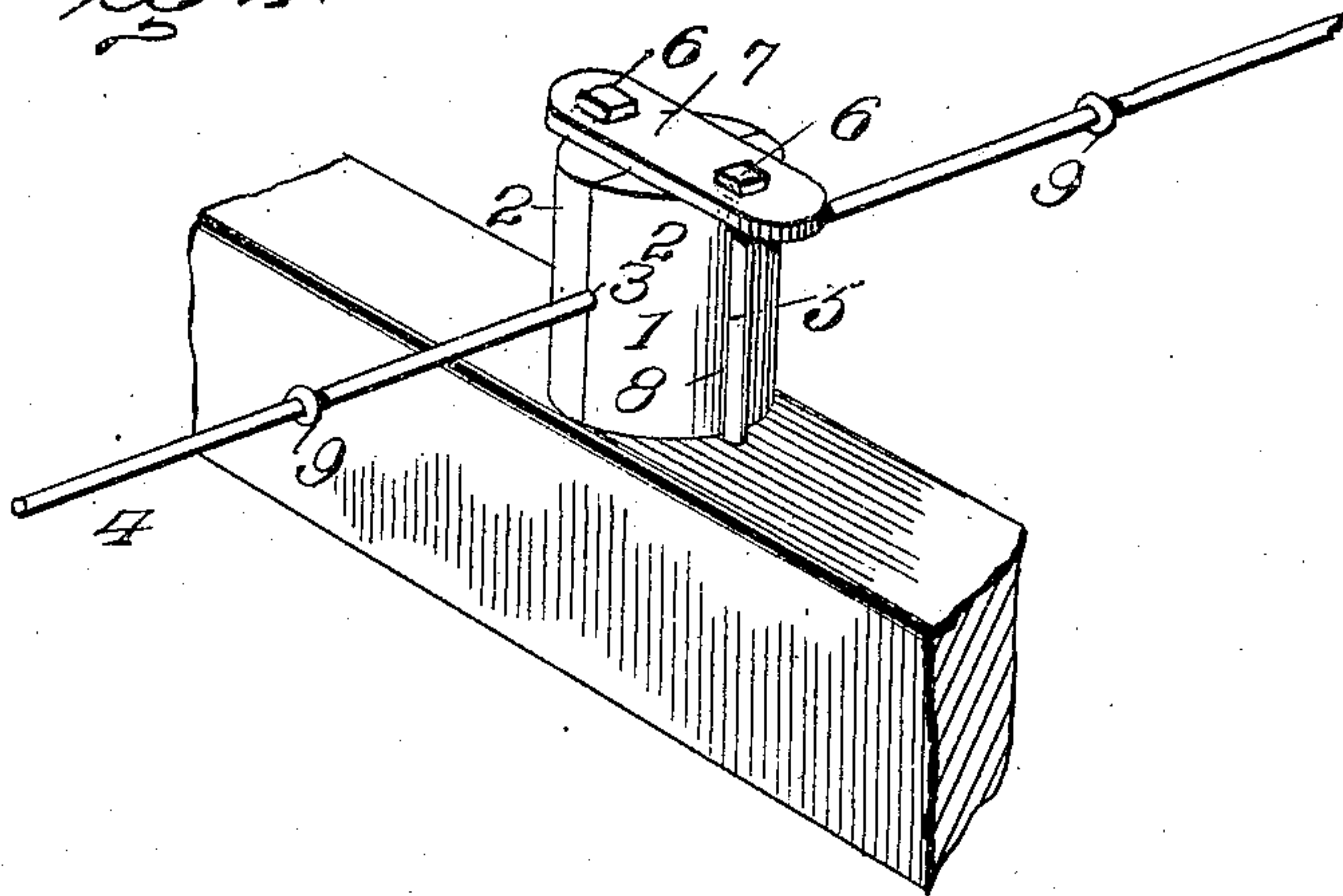


Fig. 2.

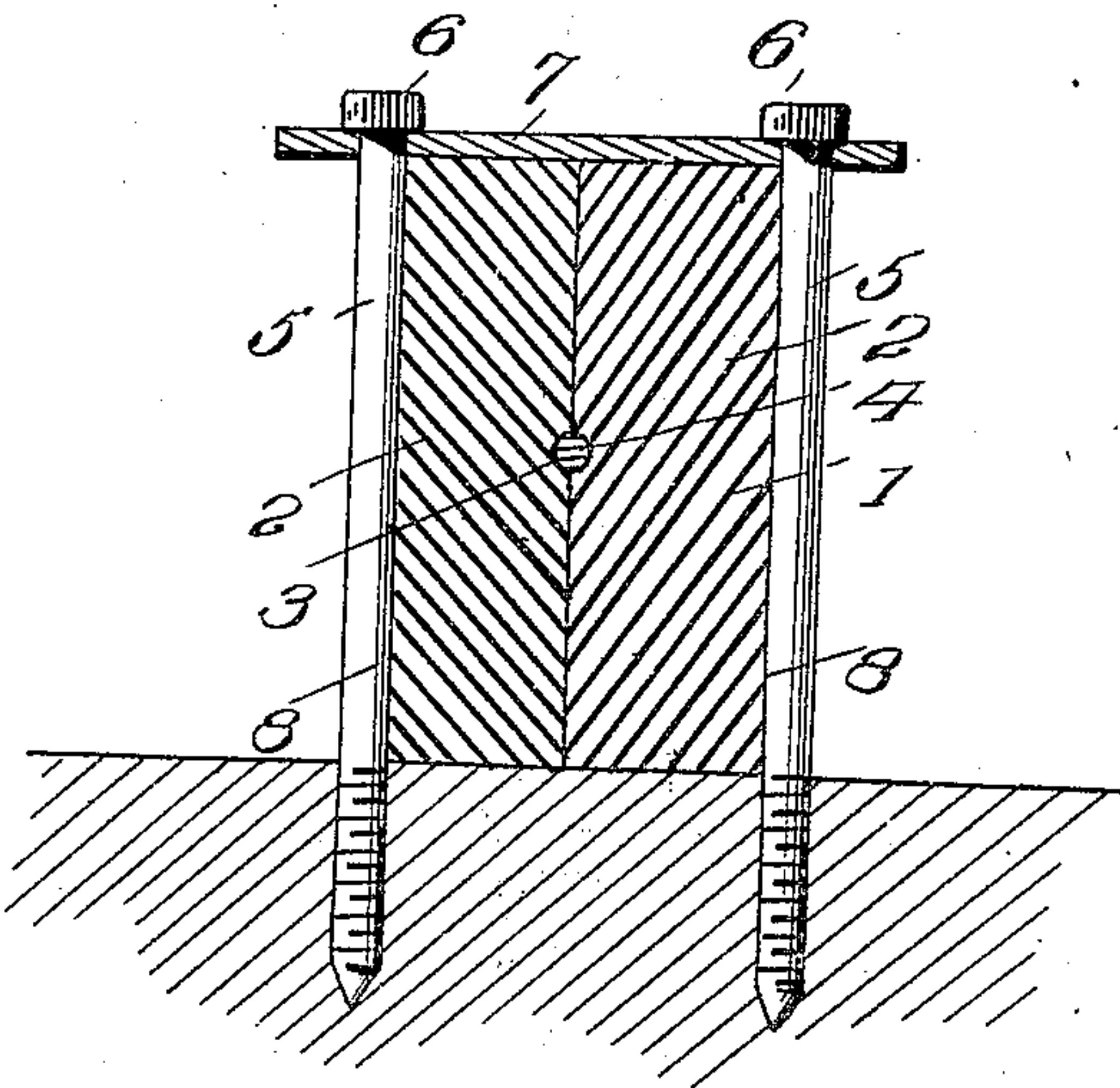
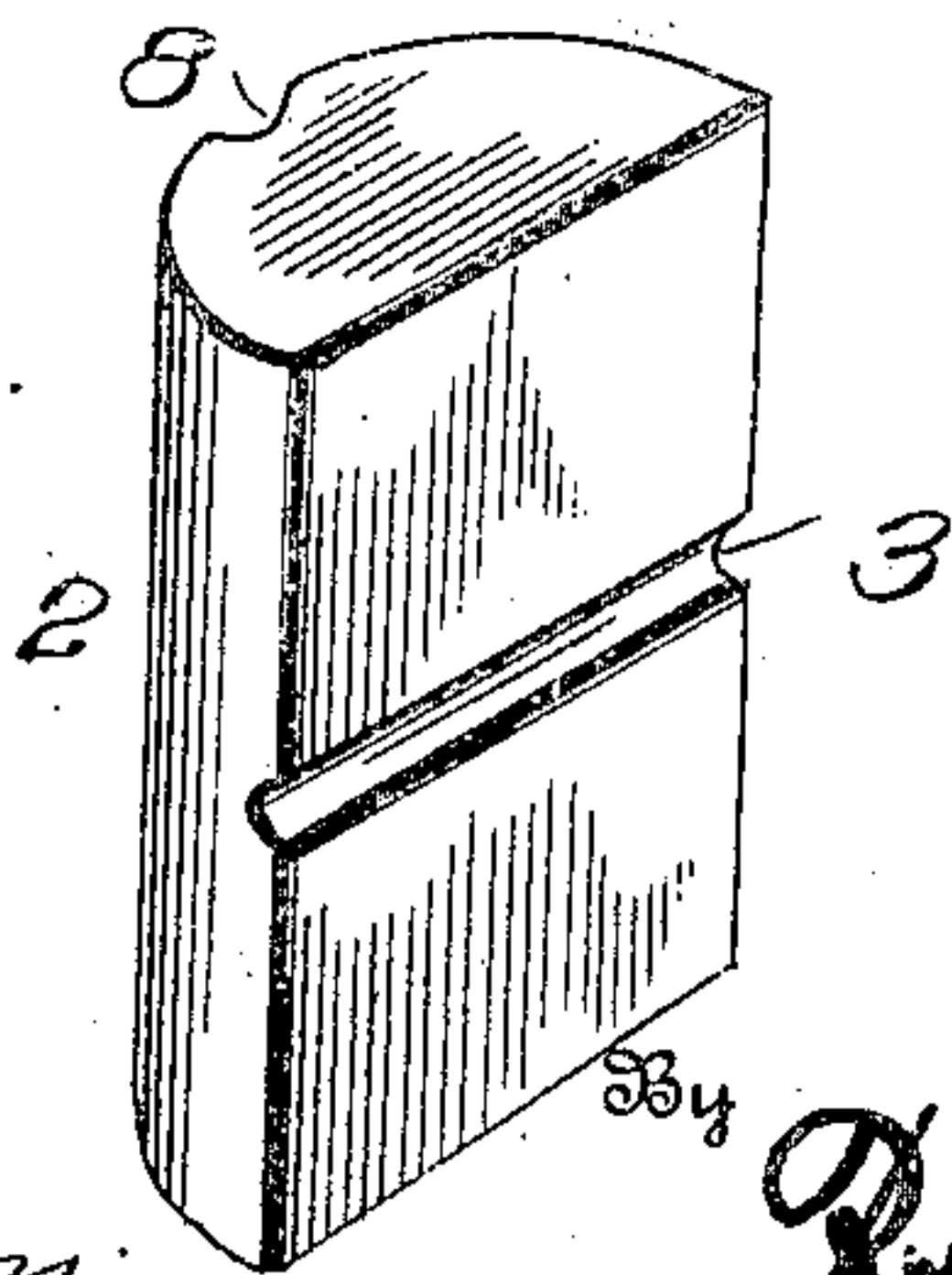


Fig. 3.



Witnesses

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INSULATOR.

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To all whom it may concern:

Be it known that I, JAMES F. NICOLS, a citizen of the United States, residing at Plainfield, in the county of Columbia and State of Arkansas, have invented certain new and useful Improvements in Insulators, of which the following is a specification.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and accompanying drawings, in which—

Figure 1 is a perspective view showing an insulator embodying the invention applied to a suitable support in operative relation to a wire. Fig. 2 is a transverse vertical sectional view of the insulator. Fig. 3 is a detail perspective view of one of the sections of the body of the insulator.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

This invention consists of a novel form of insulator designed particularly for attaching electric wires and supports, such as telegraph-poles, posts, or the like.

The chief design of the invention is to secure simplicity and cheapness of construction, combined with the greatest degree of substantiality.

Referring to the drawings, and specifically describing the device illustrated, the numeral 1 designates the body of the insulator, and said body comprises separate sides or sections 2. The body of the insulator may be of any general form and is made of non-conducting material, such as glass, porcelain, or the like. Adjacent faces of the sections 2 abut with one another when the parts of the body 1 are assembled for actual use, and said faces are formed with horizontal grooves 3, adapted to register and to receive when registered the wire 4, which is attached to the insulator. The sections 2 of the body of the insulator are secured together by means of vertical pins 5, headed at the upper ends, as shown at 6, and passing through a tie-plate 7, resting on the upper end portions of

the sections of the body. The tie-plate 7 is provided with openings at its end through which the pins 5 pass, and said pins 5 are of a length such that they project from the lower extremity of the body of the insulator and admit of being driven into a suitable support to attach the insulator thereto. The outer faces of the sections 2 are formed with vertical grooves 8, and the pins 5 are seated in said grooves, preventing lateral displacement of the body from the space between said pins. The heads 6 of the pins 5 and the tie-plate 7 effectively prevent vertical movement of the body 1 in a manner which will be readily apparent. The wire 4, attached to the insulator, may be provided with projections or stops 9 at opposite sides of the insulator to limit the movement of the wire relative to the insulator governing the amount of play of the wire.

It will be observed that the provision of the separate pins 5 is advantageous in that should one of the sections of the insulator be broken or otherwise injured such section can be readily removed without displacing the other section by detachment of one of the pins 5. The attachment of the sections of the body 1 is such also that a single section only must needs be removed in order to displace the wire or accomplish certain operations incident to the use of insulators of this type.

Having thus described the invention, what is claimed as new is—

An insulator comprising a body composed of complementary sections abutting at adjacent faces and formed on said adjacent faces with grooves to receive a wire therebetween, a tie-plate disposed on top of said sections, and pins passing through the ends of the tie-plate to secure the same and arranged at opposite sides of the body to prevent displacement of the sections thereof.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES F. NICOLS. [L. s.]

Witnesses:

JAMES Y. STEVENS,
SAM. A. THOMAS.