

W. G. RUTLEDGE.

INSULATOR.

APPLICATION FILED SEPT. 8, 1902.

NO MODEL.

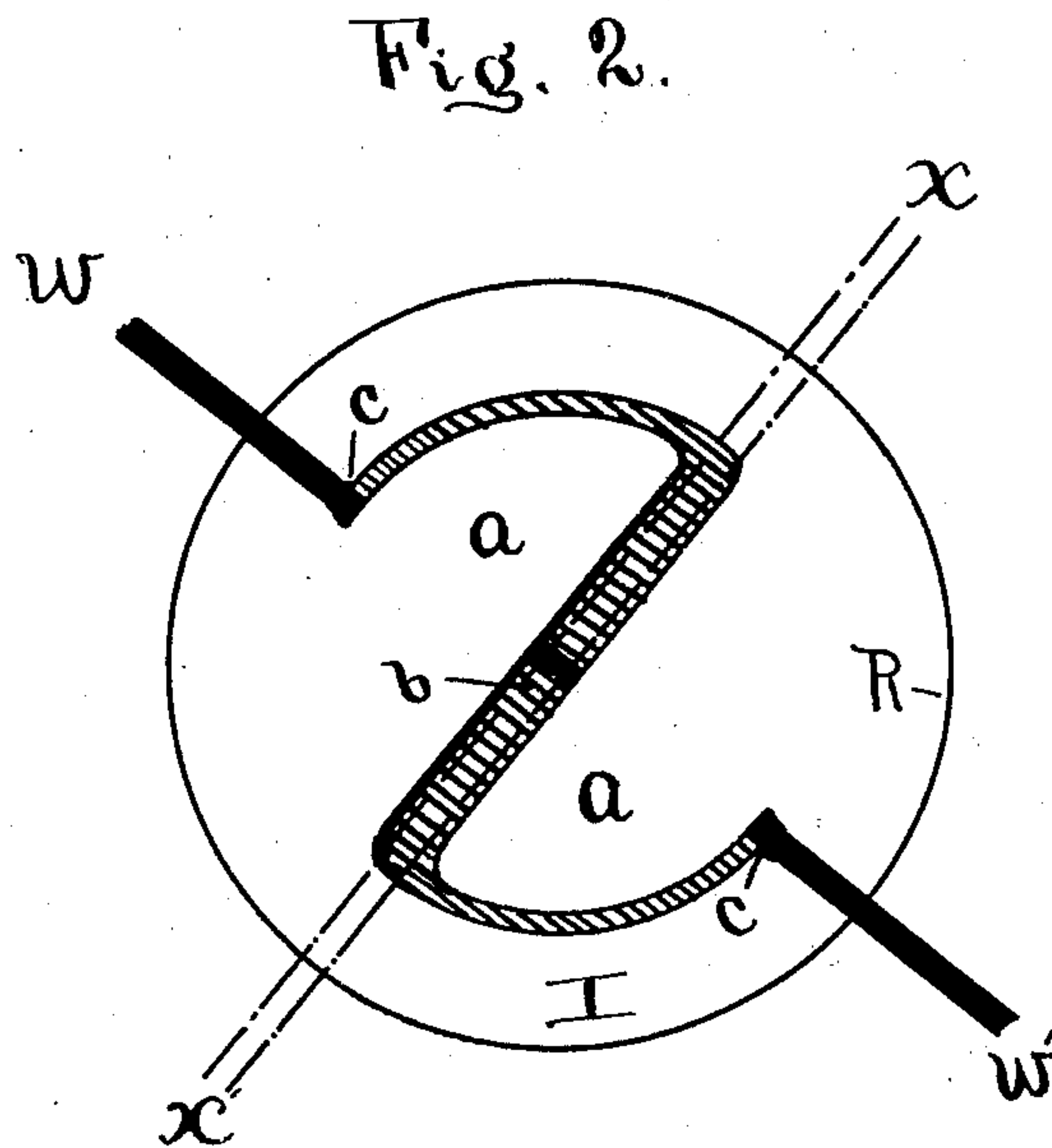
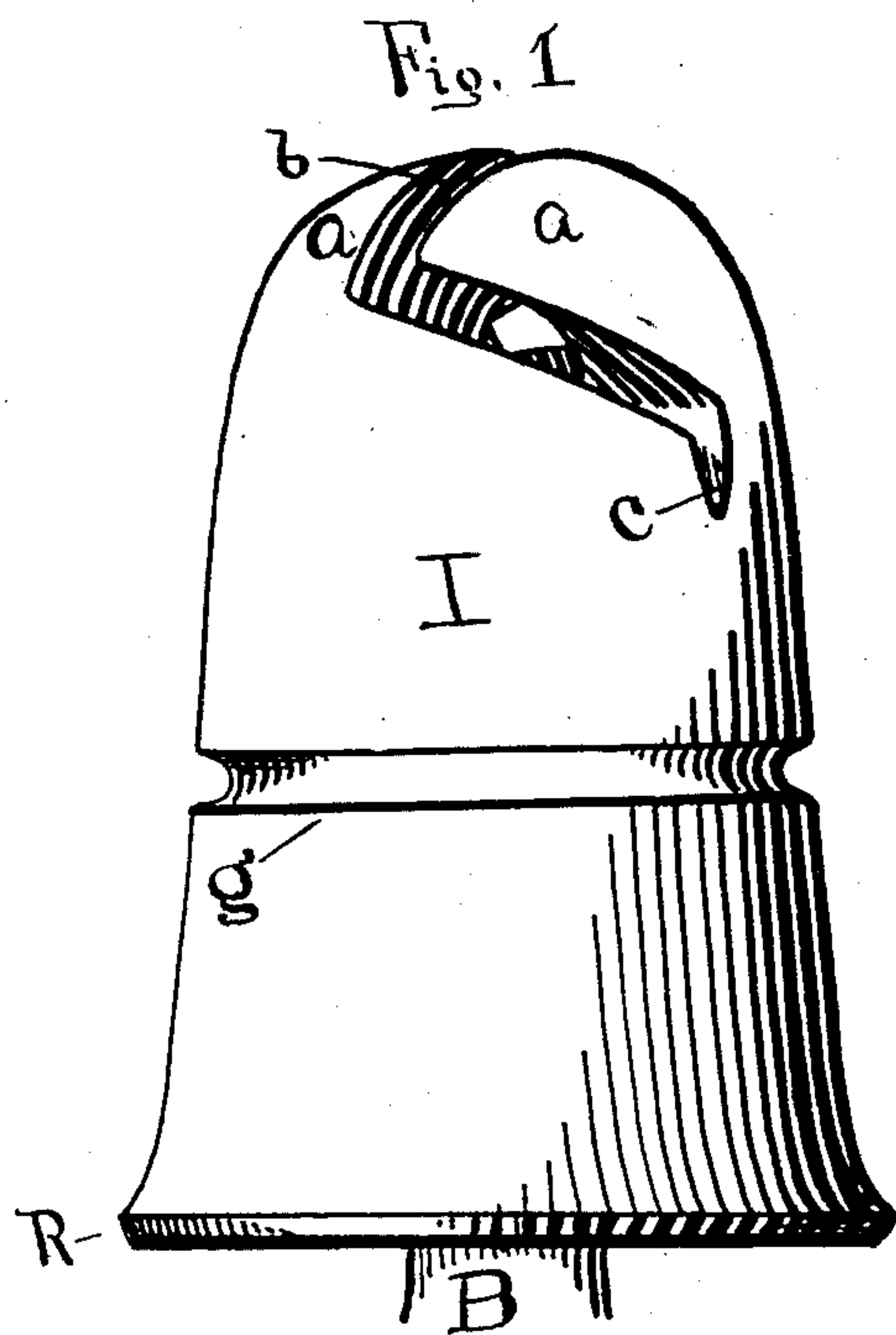
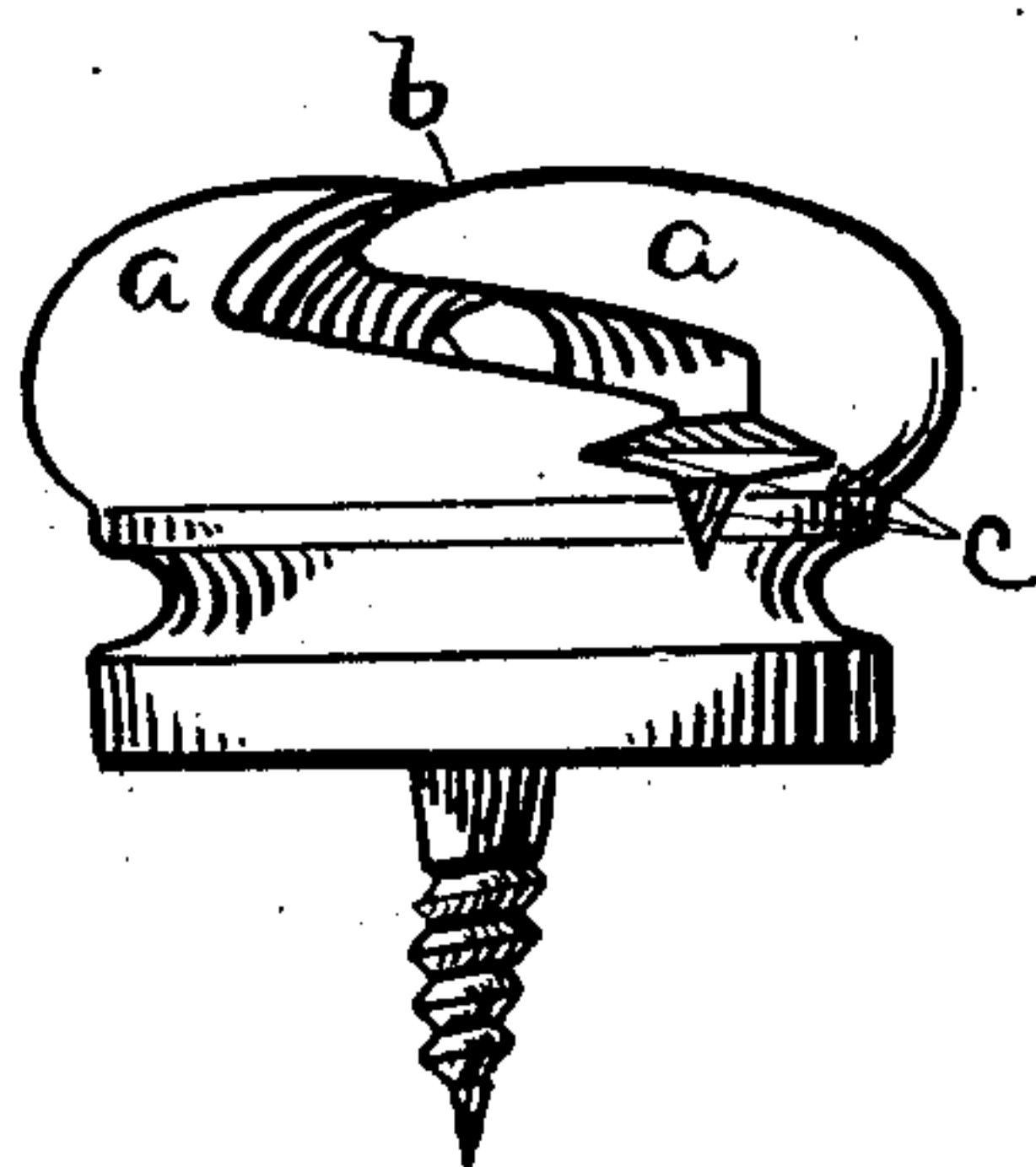


Fig. 3.



Witnesses:

W. J. Dwyer.  
Chas. L. Nelson

Wm. G. Rutledge  
Inventor.

# UNITED STATES PATENT OFFICE.

WILLIAM G. RUTLEDGE, OF BROWN VALLEY, MINNESOTA.

## INSULATOR.

SPECIFICATION forming part of Letters Patent No. 737,027, dated August 25, 1903.

Application filed September 8, 1902. Serial No. 122,601. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM G. RUTLEDGE, a citizen of the United States, residing at Brown Valley, Minnesota, have invented a new and useful Insulator, of which the following is a specification.

My invention relates to improvements in glass or porcelain insulators in which a spiral slot with one or more V-shaped grooves at the bottom is cut in the top of the insulator, the object being to place the wire in the insulator and hold it there with no other fastening than the insulator itself. I attain this object by making the top of the insulator as illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the insulator. Fig. 2 is a top view, and Fig. 3 simply shows how this same principle is applied to small porcelain or composition insulators.

Similar letters refer to similar parts throughout the several views.

The insulator I, Fig. 1, made of glass or other suitable material, has the spiral slot *b*, terminating in the V-shaped groove at *c*, makes a quarter-turn from *b* to *c*.

*a a* show the two arms that form the top of the insulator in the several drawings.

*g* is a groove around the insulator, by means of which the wire may be fastened in the usual manner.

R is the rim of the insulator, and B is the ordinary bracket, with a thread upon which the insulator may be screwed in the usual manner.

Fig. 2 represents the top view. The lines *x* represent the wire entering the slot *b*. The insulator is then given a one-quarter turn, when the wire occupies the relative position as shown at *w* in the groove *c*.

Fig. 3 illustrates the small porcelain or composition insulators, which are made practically the same as Fig. 1, except that it is provided with three V-shaped grooves instead of one, so that it may be used on either a horizontal or vertical surface.

I am aware that prior to my invention insulators have been made with the groove *g* and with an internal thread, so as to screw onto the bracket B.

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

An insulator having a slotted top, said slot making a quarter-turn and ending in a plurality of V-shaped grooves.

In testimony whereof I have signed my name to this specification in the presence of the two subscribing witnesses.

WILLIAM G. RUTLEDGE.

Witnesses:

R. D. REISDOY,  
E. RUTLEDGE.