

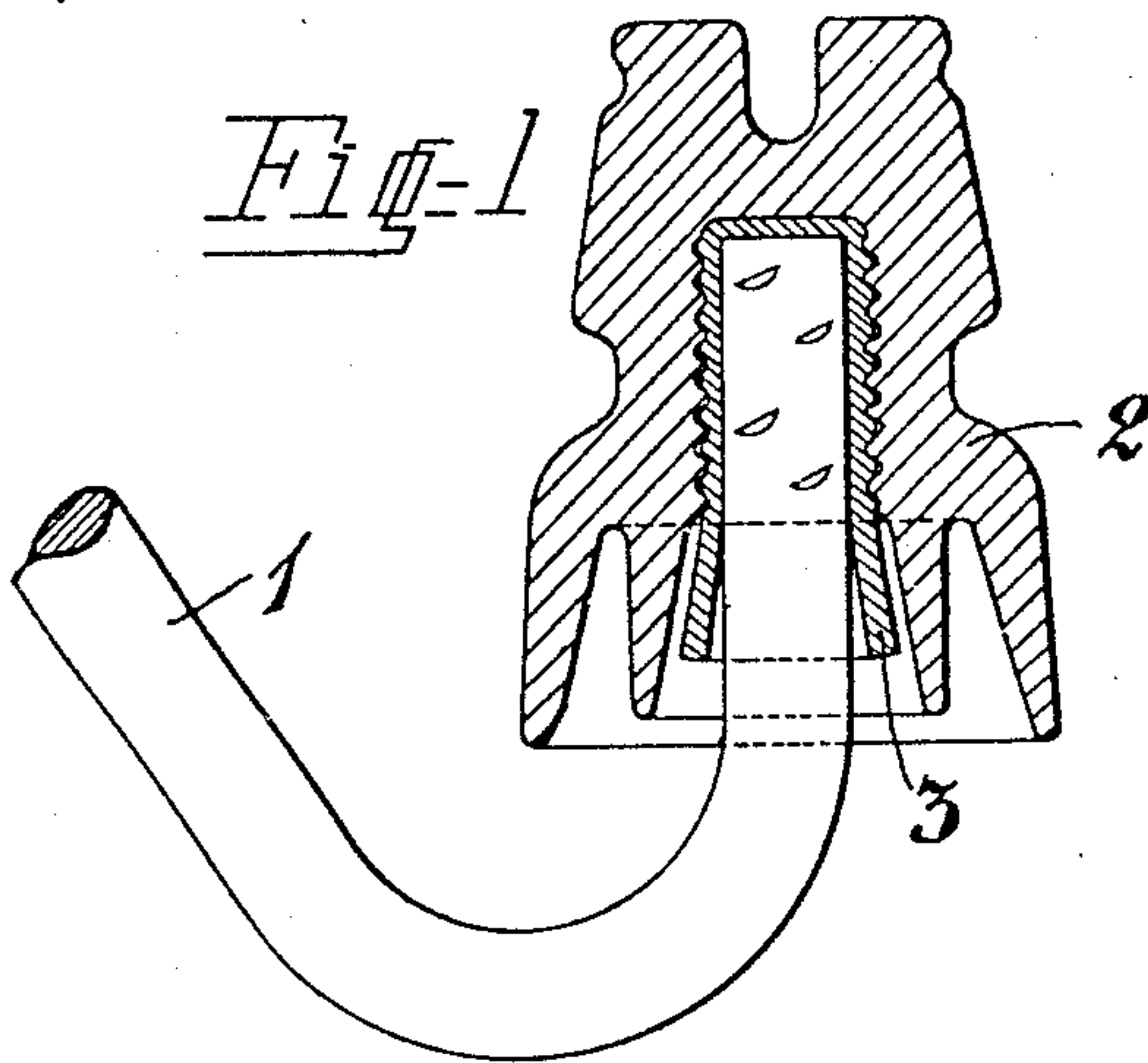
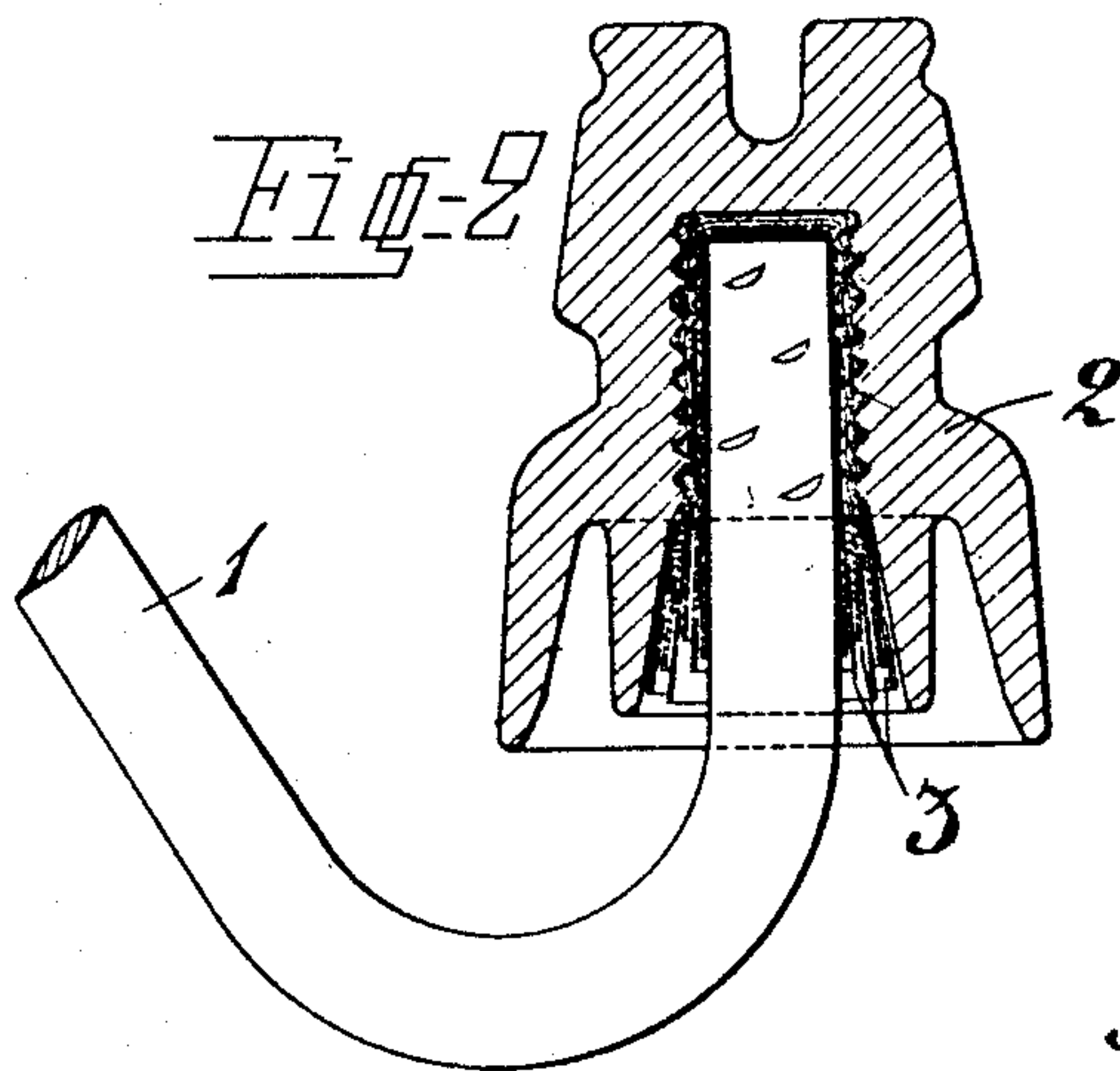
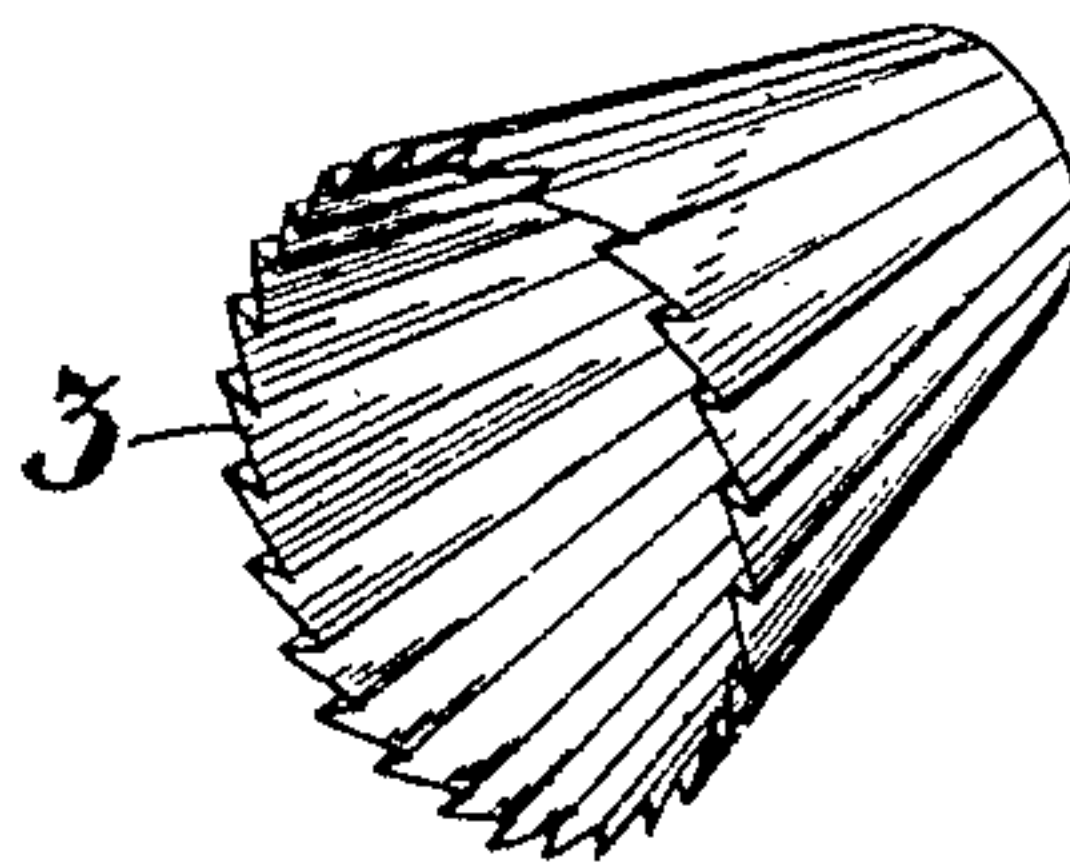
No. 875,902.

PATENTED JAN. 7, 1908.

C. E. EGNÉR.

MEANS FOR INSULATING THE SUPPORTS OF ELECTRIC CONDUITS.

APPLICATION FILED NOV. 15, 1906.

Fig-1Fig-2Fig-3

Witnesses:-
Claudia Franch
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UNITED STATES PATENT OFFICE.

CARL EMIL EGNÉR, OF STOCKHOLM, SWEDEN.

MEANS FOR INSULATING THE SUPPORTS OF ELECTRIC CONDUITS.

No. 875,902.

Specification of Letters Patent.

Patented Jan. 7, 1908.

Application filed November 15, 1906. Serial No. 343,569.

To all whom it may concern:

Be it known that I, CARL EMIL EGNÉR, a subject of the King of Sweden, and a resident of Stockholm, in the Kingdom of Sweden, engineer, have invented certain new and useful Improvements in Means for Insulating the Supports of Electric Conduits, of which the following is a specification, reference being made to the accompanying drawing.

It has heretofore been proposed to interpose between an insulator and the support whereon it is mounted, a cap of paper or of other suitable material to fill up the space between the insulator and the support and thereby secure the insulator on the support as well as insulate it from the same. As, however, the spaces within the insulators which the supports are to occupy vary in diameter in different insulators, and as the diameter of the supports may also vary, it is readily apparent that if satisfactory results are to be obtained, an interponent must be provided which will adapt itself with facility to the particular conditions met with in any given case.

It is the purpose of my invention to provide an interponent or cap which is adaptable to any diameter of insulator and support, and with this object in view, I construct the cap of a comparatively thin material, so that, in order to fill the space between the inner wall of the insulator (which said wall is usually provided with threads) and the support of the insulator, there may be used two and in some cases, three to five caps which are superposed until the requisite thickness is attained.

The invention is illustrated in the accompanying drawing in which

Figures 1 and 2 are vertical sectional views of an insulator placed upon a support and having my improved interponent or cap in position; and Fig. 3 is a perspective view of such cap.

In the drawing the support is indicated at 1, and is in direct contact with the interponent 3, over which the insulating member 2 is placed. The caps which are preferably made of paper, but which may also be of fiber, felt, cloth, leather, celluloid or other suitable material, consist of flat sheets or

leaves which are folded so as to obtain the fluted appearance shown in Fig. 2. In this manner the material will increase in quantity or thickness towards the open end or base of the caps, so that, while it is at first easy to screw the insulator down, the farther down the insulator is screwed the more difficult it becomes. This circumstance together with the fact that it is possible to increase or diminish the number of caps for each insulator has the result that the insulator may always be firmly attached.

The paper used for the caps should be perfectly freed from moisture and then impregnated with a suitable insulating material such as oil, pitch, ozocerite, wax or the like, in order that the cap may considerably increase the insulation in those cases where the insulators have cracks, holes or the like. As is indicated in Fig. 1 the caps may be of a greater length than the screw threaded portion of the insulator and may also be of varying lengths with respect to each other, whereby the insulation and the path for the conduction of the current along the surface of the parts is considerably increased. The separate caps used for fastening an insulator may be of the same or of different kinds of material and may be impregnated with the same or different kinds of insulating material.

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

As an improved article of manufacture, an interponent for insulators of electrical conductors formed of a plurality of superimposed caps the sides of which are provided with a series of folds to impart to the caps a relative amount of fullness, said caps being conical in form, whereby when applied to the supports the skirted portions of the caps become massed to assist in the retention of the insulators upon their supports.

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

CARL EMIL EGNÉR.

Witnesses:

CARL TH. SUNDHOLM,
HANS B. OHLSSON.