A. V. SILER.

INSULATOR FOR ELECTRIC WIRES.

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931,507.

Patented Aug. 17, 1909.

Fig. 1.

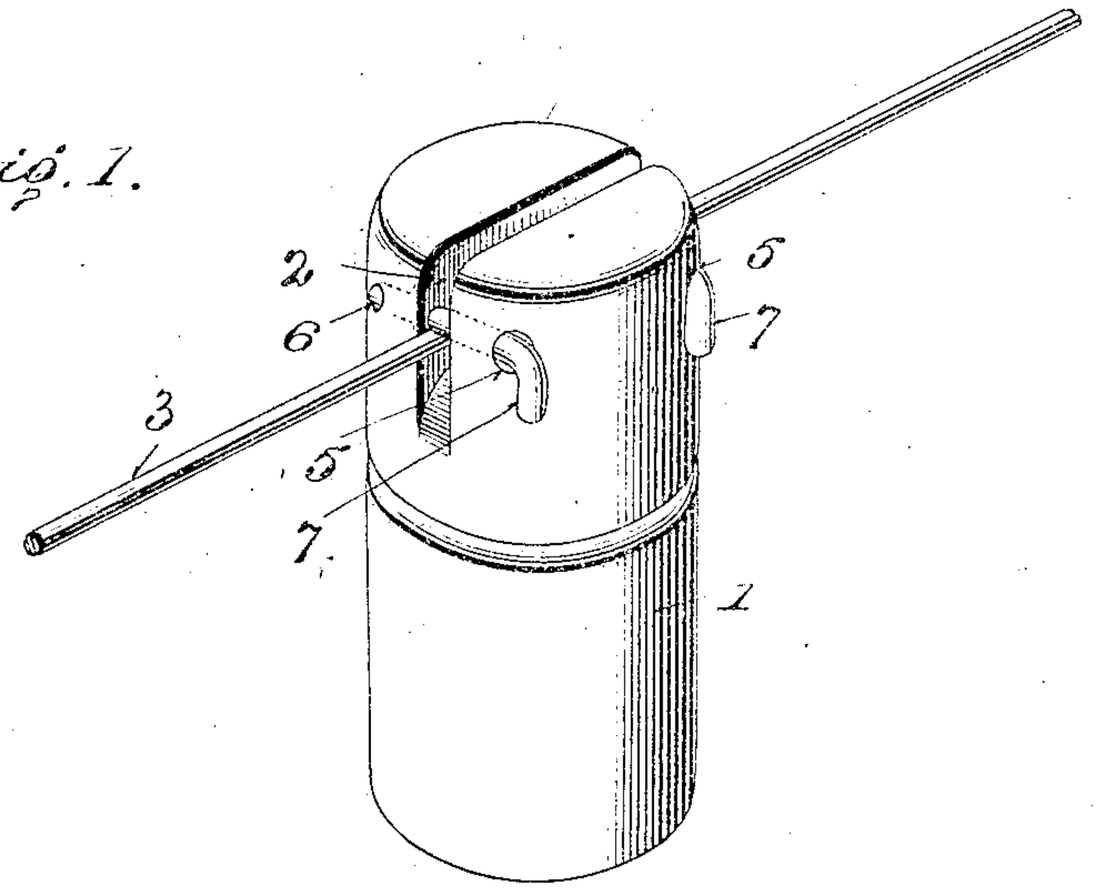
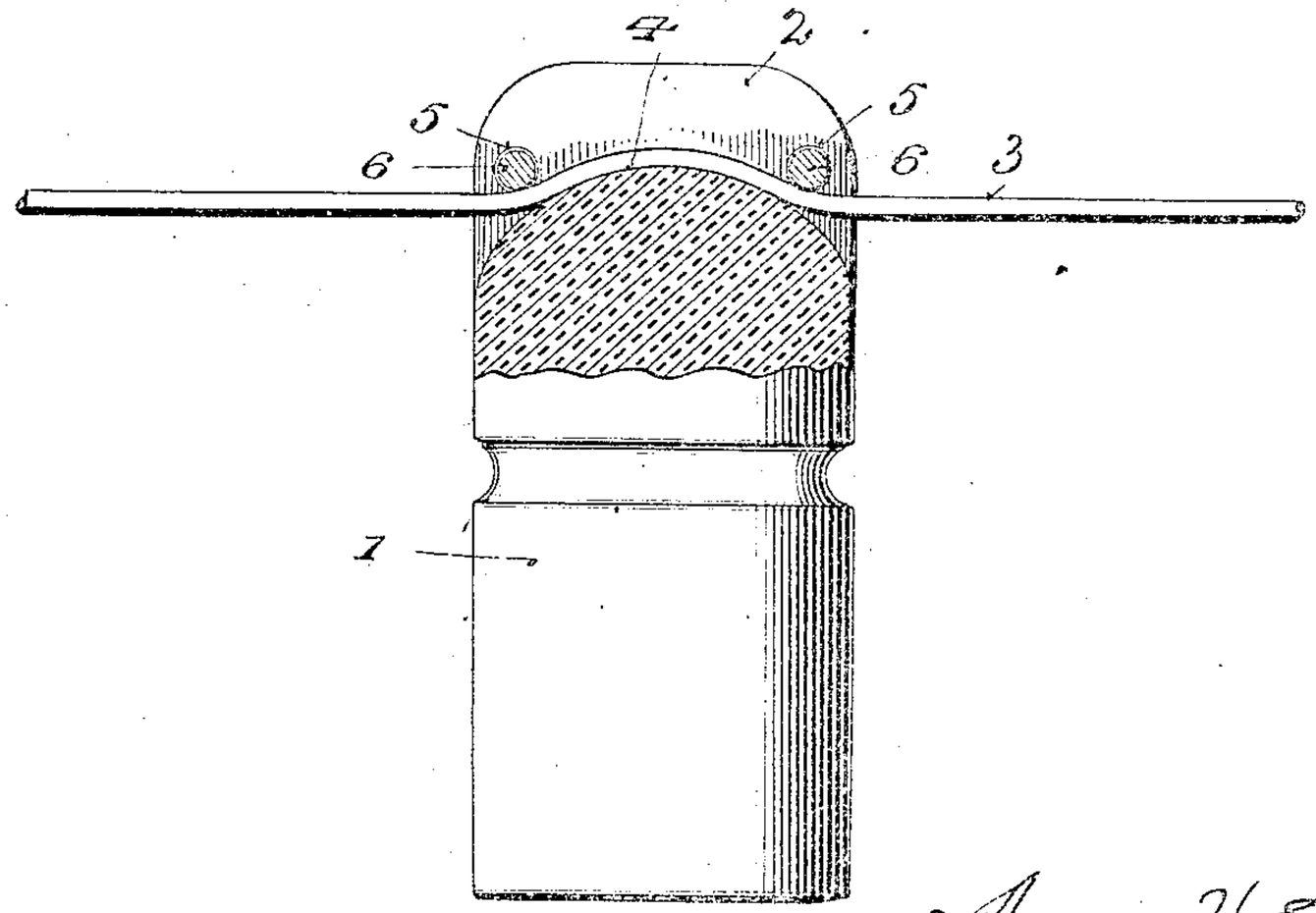


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

AARON V. SILER, OF NEWARK, OHIO, ASSIGNOR OF ONE-HALF TO ANDREW JASPER SILER, OF MASSILLON, OHIO.

INSULATOR FOR ELECTRIC WIRES.

No. 931,507. Specification of Letters Patent. Patented Aug. 17, 1909.

Application filed June 9, 1909. Serial No. 501,051.

To all whom it may concern:

Be it known that I, AARON V. SILER, a citizen of the United States, residing at Newark, in the county of Licking and State of Ohio, have invented certain new and useful Improvements in Insulators for Electric Wires, of which the following is a specification.

My invention relates to a new and useful improvement in an insulator for electric wires, and has for its object the provision of a device of this character whereby a line wire will be held securely in place and cannot become accidentally disengaged from the insulator.

It has for its further object means for preventing the accumulation of ice or snow which would tend to break and destroy the insulator.

With these and other objects in view my invention consists in various details of construction which will be more clearly understood from the following specification and drawing, in which—

Figure 1 is a perspective view, and Fig. 2 is a side view partly in section.

In the drawings the numeral, 1, indicates the body portion of the insulator, which is preferably formed of glass, and is provided with the slot 2 for receiving the line wire, 3. The bottom of the slot is convex in form as clearly shown at 4. Extending transversely of the insulator are the perforations, 5, which are adapted to have received therein the locking pins, 6, which may be of any desired form, but preferably of the type shown with the right-angled extensions, 7, whereby the pins may be placed in the perforations or removed therefrom. The perforations, 5, as clearly shown in the drawings are on either side of the highest point of the convex bottom whereby they will hold the line wire, as will be more clearly pointed out.

From the foregoing description it is thought that the operation of my device will be readily understood. It will be seen that when the line wire is placed within the slot and the pins inserted in the perforations the wire will be drawn across the bottom of the slot, thus slightly bending the line wire and securely holding it in place. It will also be seen that by having the bottom of the slot convex in form any snow or ice which might fall within the slot would readily run from the slot and not accumulate and break or otherwise injure the insulator. It is a well-known fact that the replacing of insulators which have been broken from the accumulation of ice and snow is a great expense to all companies engaged in business where insulators are used.

It is evident that more or less slight changes might be made in the form and arrangement of the several parts described without departing from the spirit and scope of my invention, and hence I do not wish to be limited to the exact construction herein set forth, but:

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

An insulator comprising a body portion having a slot formed therein for receiving a line wire, the bottom of said slot being convex, transverse perforations extending through the insulator on either side of the highest point of the convex bottom, and pins adapted to extend through said perforations for engaging the line wires.

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

AARON V. SILER.

Witnesses:
RONALD E. REDMAN,
CHAS. H. FOLLETT.