

(No Model.)

L. O. SMITH.
INSULATOR.

No. 328,728.

Patented Oct. 20, 1885.

Fig. 1.

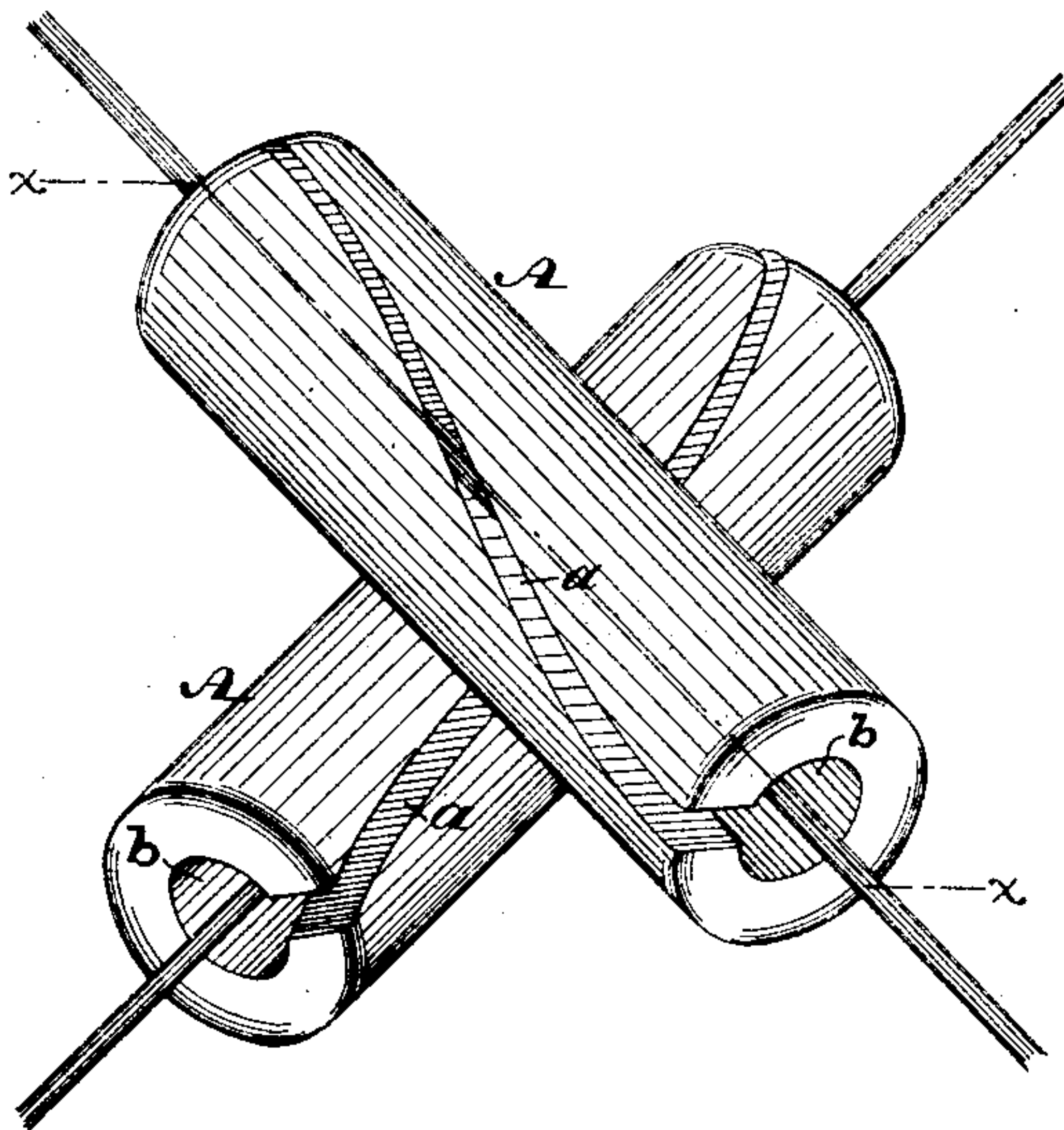
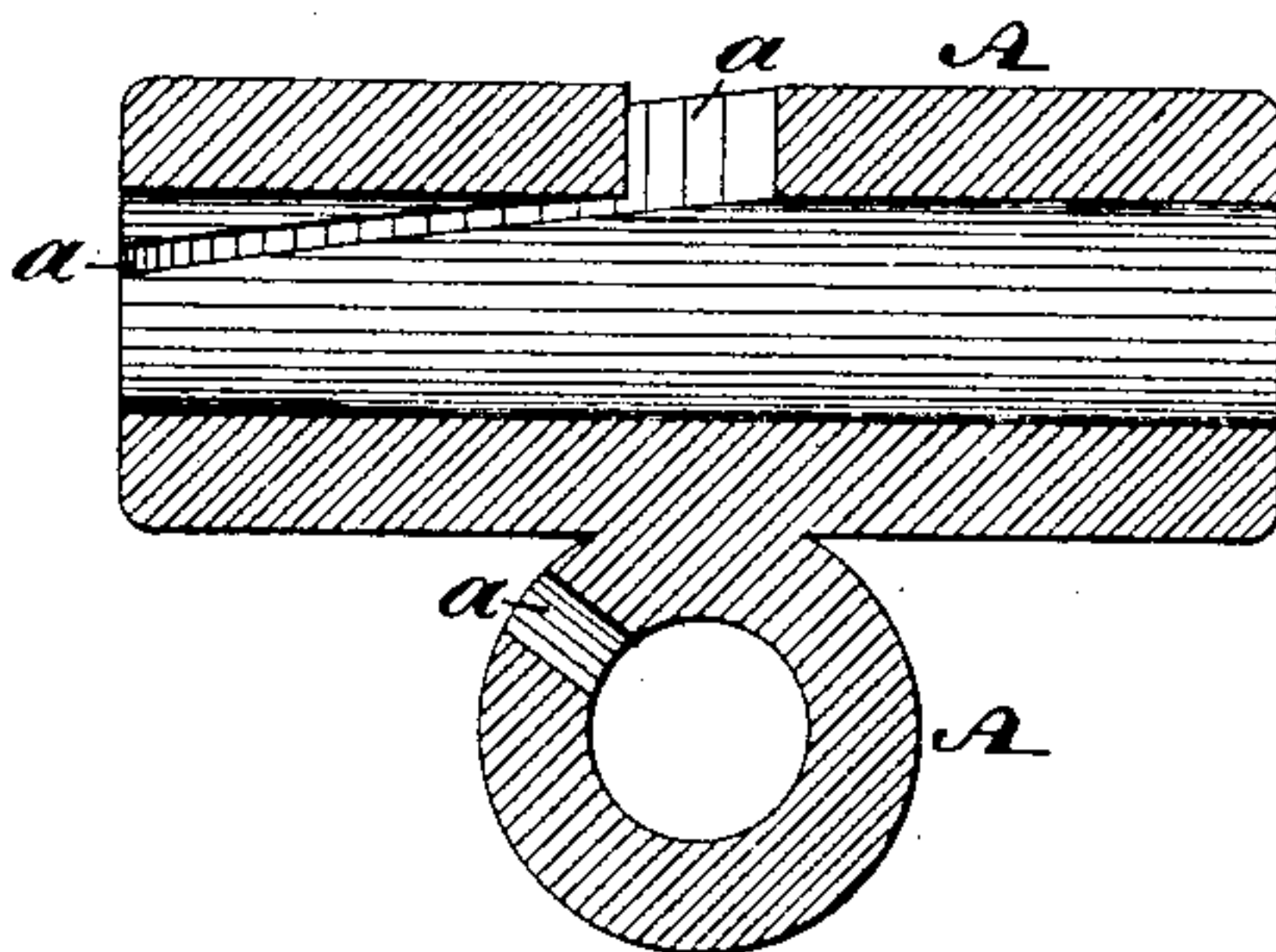


Fig. 2.



WITNESSES:

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INSULATOR.

SPECIFICATION forming part of Letters Patent No. 328,728, dated October 20, 1885.

Application filed July 26, 1884. Serial No. 138,828. (No model.)

To all whom it may concern:

Be it known that I, LEONARD O. SMITH, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Insulators, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a perspective view of an insulator embodying my invention. Fig. 2 is a section thereof in line *x x*.

Similar letters of reference indicate corresponding parts in the two figures.

My invention consists of an insulator adapted for supporting cross-wires, as will be hereinafter fully set forth.

Referring to the drawings, A A represent two tubes or tubular blocks, each having a spiral slot, *a*, in its side, and a central longitudinally-extending passage or opening, *b*, said slot *a* being in communication with said passage *b* and extending the entire length thereof, so as to receive and hold a piece of wire, it being noticed that the blocks occupy positions at an angle to each other, and the recesses are similarly disposed. The two blocks are formed of glass or other suitable insulating material, cast or connected as one, and provided with means for attachment to a pole, roof, chimney, or place of location of the insulator.

It will be seen that when the insulator is fixed in position crossing wires may be readily connected with the blocks A by being fitted

in the slots *a a* thereof, and when located in the bores or openings *b* they are prevented from displacement, owing to the locking nature of the walls of the same, and are properly held apart without liability of contact with each other. The tubular blocks A, which constitute the insulator, are formed of glass or other suitable material and connected with each other, it being noticed that they project in different directions, leaving their ends free, so that said ends may be readily fitted on the usual holder or holders and the insulator set in the required direction of the line or lines of wire, said holder or holders being U-shaped or of the form of eyes or rings, into which either of the free ends of the tubes may be introduced and the insulator thereby held.

I am aware that it is not new to form an insulator of a block having cross-slots to sustain wires, said slots being open at their sides to permit of the introduction and removal of the wires into and from said slots, wherefore I do not claim the same.

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

An insulator for cross-wires, consisting of tubular blocks with slots in their sides, said blocks crossing and having their ends free, substantially as and for the purpose set forth.

L. O. SMITH.

Witnesses;

JOHN A. WIEDERSHEIM.

A. P. GRANT.