

(No Model.)

T. McGRORY.

INSULATOR.

No. 323,055.

Patented July 28, 1885.

Fig. 1.

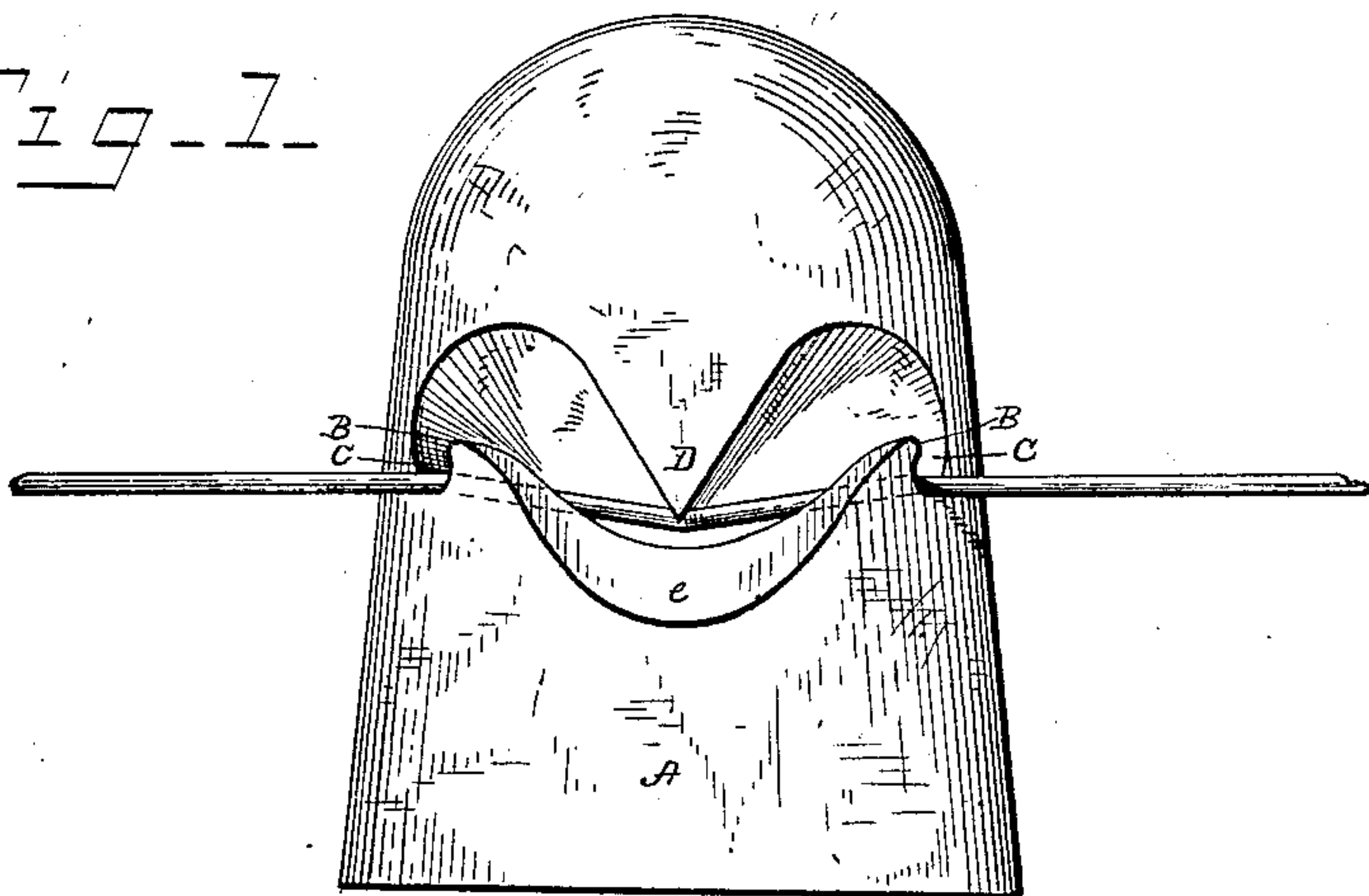
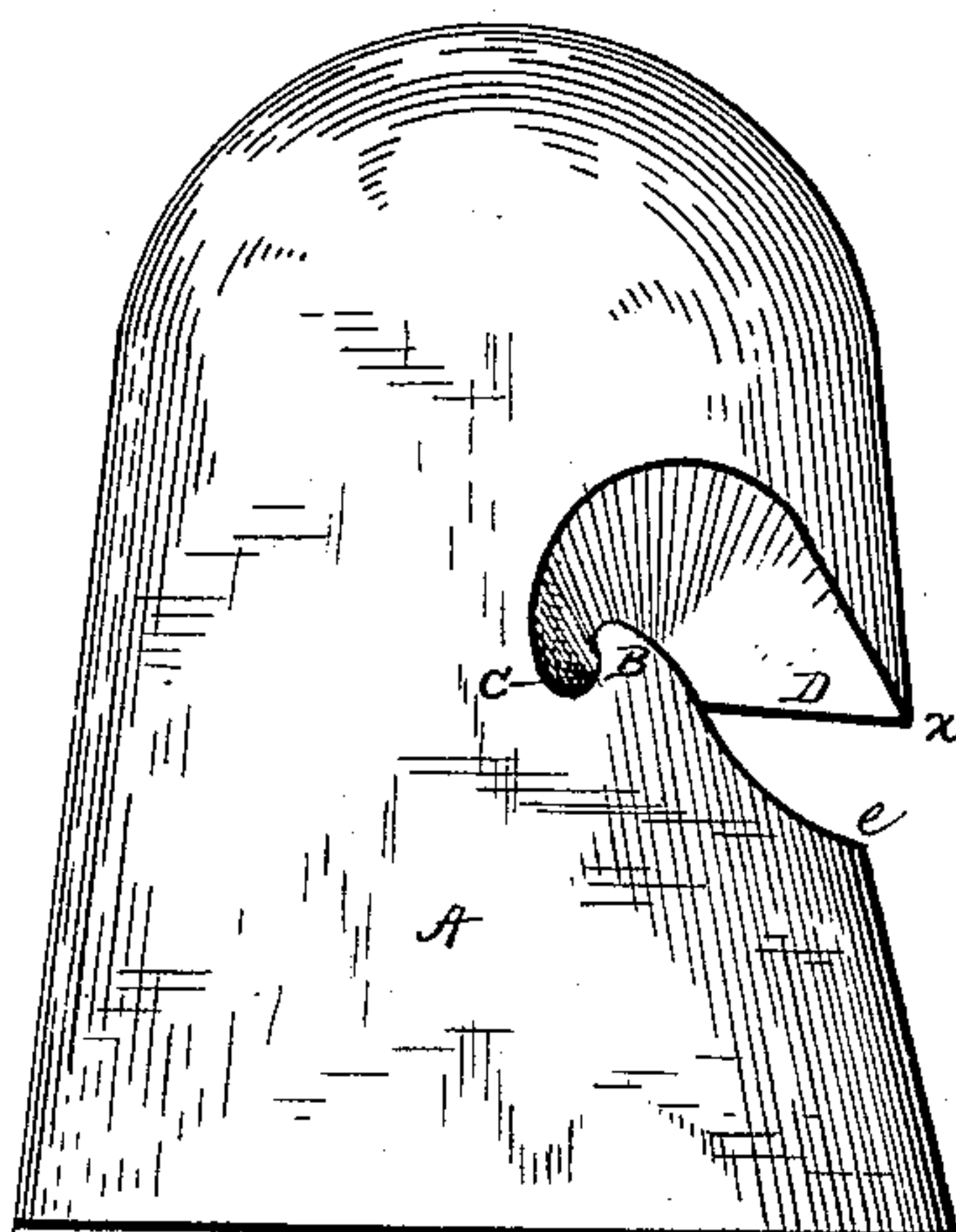


Fig. 2.



WITNESSES

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# UNITED STATES PATENT OFFICE.

THOMAS McGRORY, OF PHILADELPHIA, PENNSYLVANIA.

## INSULATOR.

SPECIFICATION forming part of Letters Patent No. 323,055, dated July 28, 1885.

Application filed October 15, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS McGRORY, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Lock-Wire Insulators, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to insulators and holders for telegraph or other wires; and it has for its objects to provide one which will be by its construction effective and cheap, and one with which wires may be expeditiously  
15 handled and always securely held in place, as will be hereinafter set forth.

In the accompanying drawings, which are intended to represent my invention, Figure 1 represents a front and Fig. 2 a side elevation of same.

20 In the figures, A represents the body of the insulator and holder. This body has an irregular opening in its front side, (or that which is presented to the wire to be held.) This opening is curved from its two edges downward.  
25 Each of the edges at the ends of this curved opening is recessed in such a manner as to securely retain such sized wire as may be placed therein. My object is to make the  
30 curve sufficiently abrupt or acute that the wire contact at its edges within the recesses will be as little as possible to have strength.

C C represent the recesses, and B B the projecting points on the outer sides of same.

35 *e* represents a downwardly beveled and curved mouth to the opening.

Projecting downwardly from above the

curved opening a little below a line drawn from the bottom of one recess C to that of the other is a V-shaped bridge, D. The edge 40 of the bridge near its inner end is slotted in order to receive and assist in retaining the wire. The point *x* of this bridge projects over and beyond the mouth *e*, for the purpose of catching and acting as a guide for the wire 45 as it is forced up the inclined edges of said mouth to the recesses C C. In inserting the wire, whether it be above or below the insulator, it must be caught under the projection *x* of the bridge, and then it may easily be forced 50 into position.

I have an insulator patented which is deficient in this respect, and which I find difficult to manufacture on account of its peculiar construction.

55 This insulator is intended to cure the defects of my former patent.

What I claim is—

An insulator having in its side an irregular downwardly-curved opening provided at each 60 end with recesses C C, a beveled and curved mouth, *e*, and a downwardly-projecting V-shaped bridge, said bridge extending beyond the mouth *e*, all so constructed that the points of contact with the wire shall be acute angles 65 to form as little contact as possible, substantially as described.

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

THOS. McGRORY.

Witnesses:

J. J. McCARTHY,  
CHAS. D. DAVIS.