

(No Model.)

T. C. SMITH.
INSULATOR SUPPORT.

No. 463,172.

Patented Nov. 17, 1891.

Fig. 1.

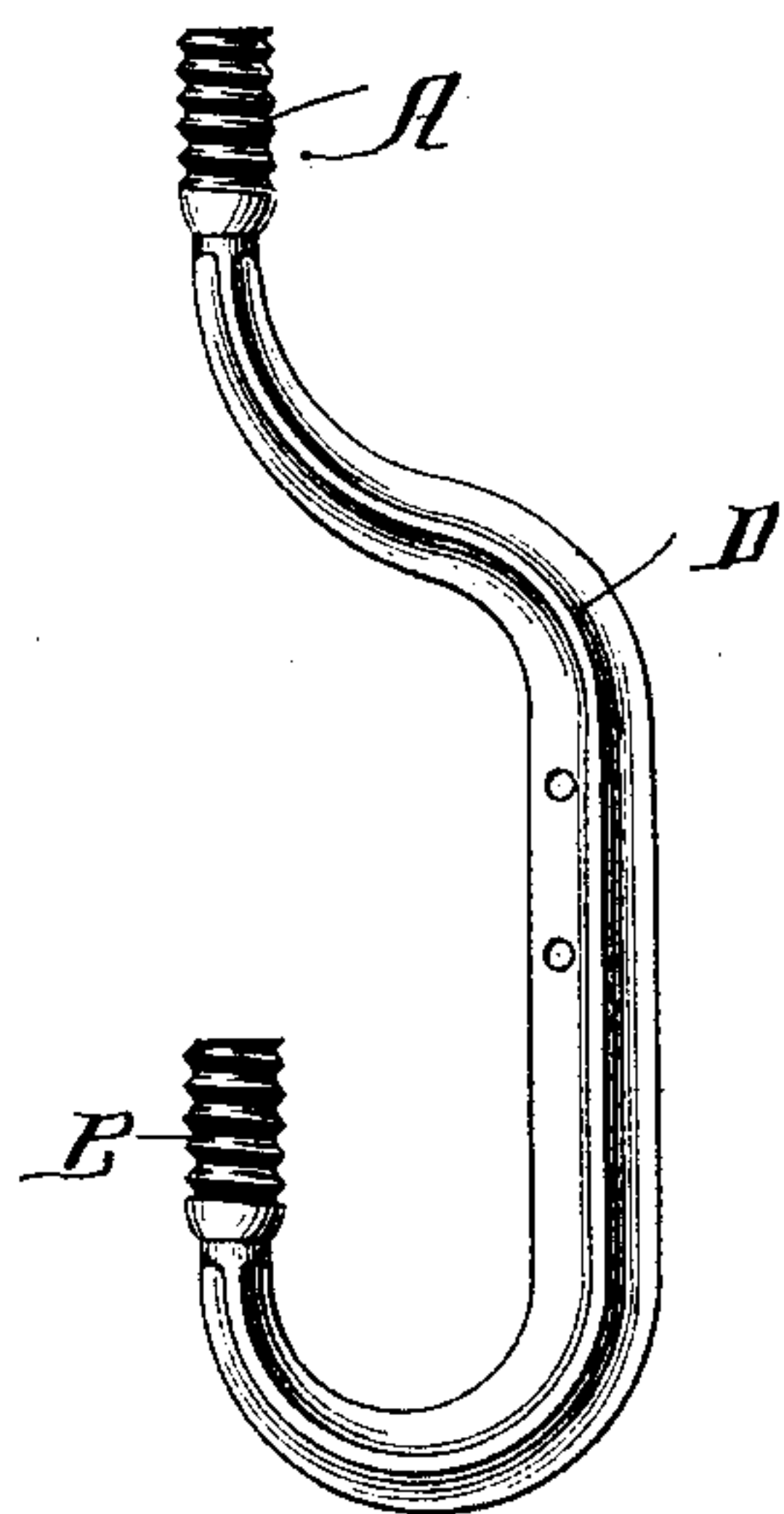


Fig. 2.

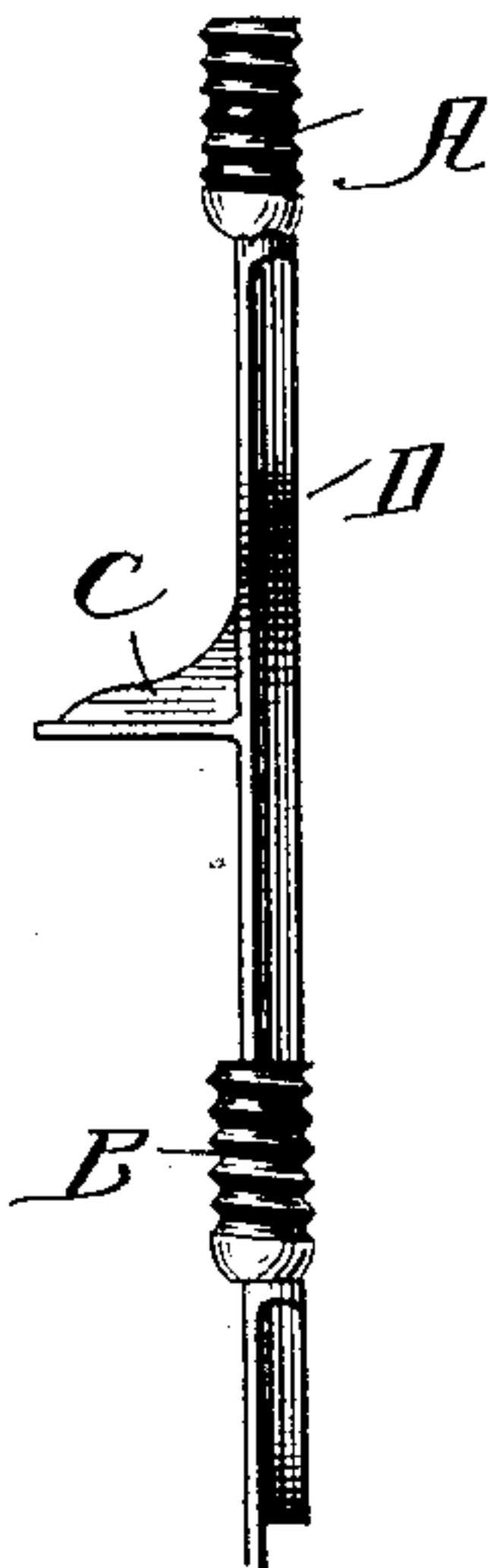


Fig. 3.

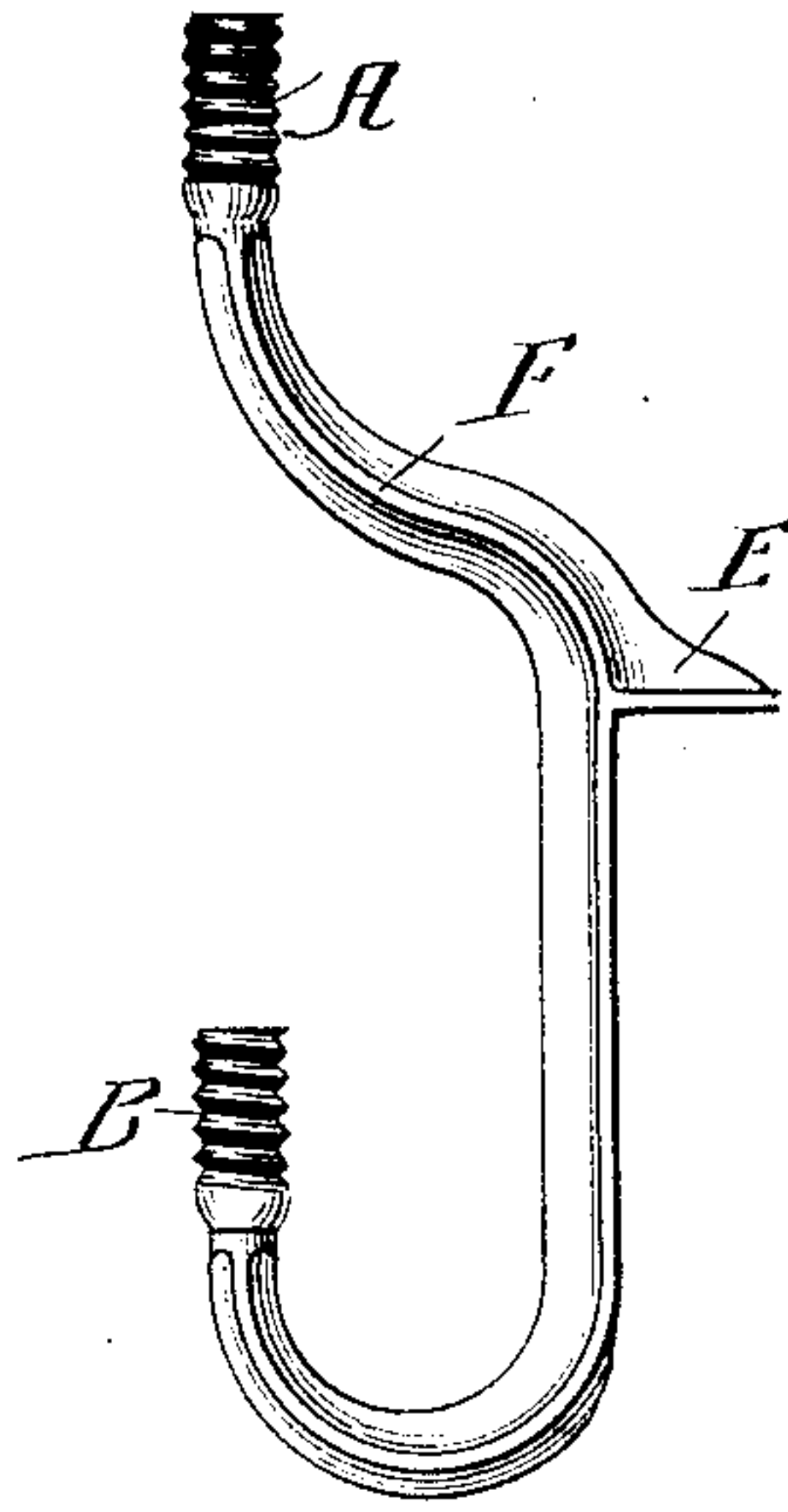


Fig. 4.

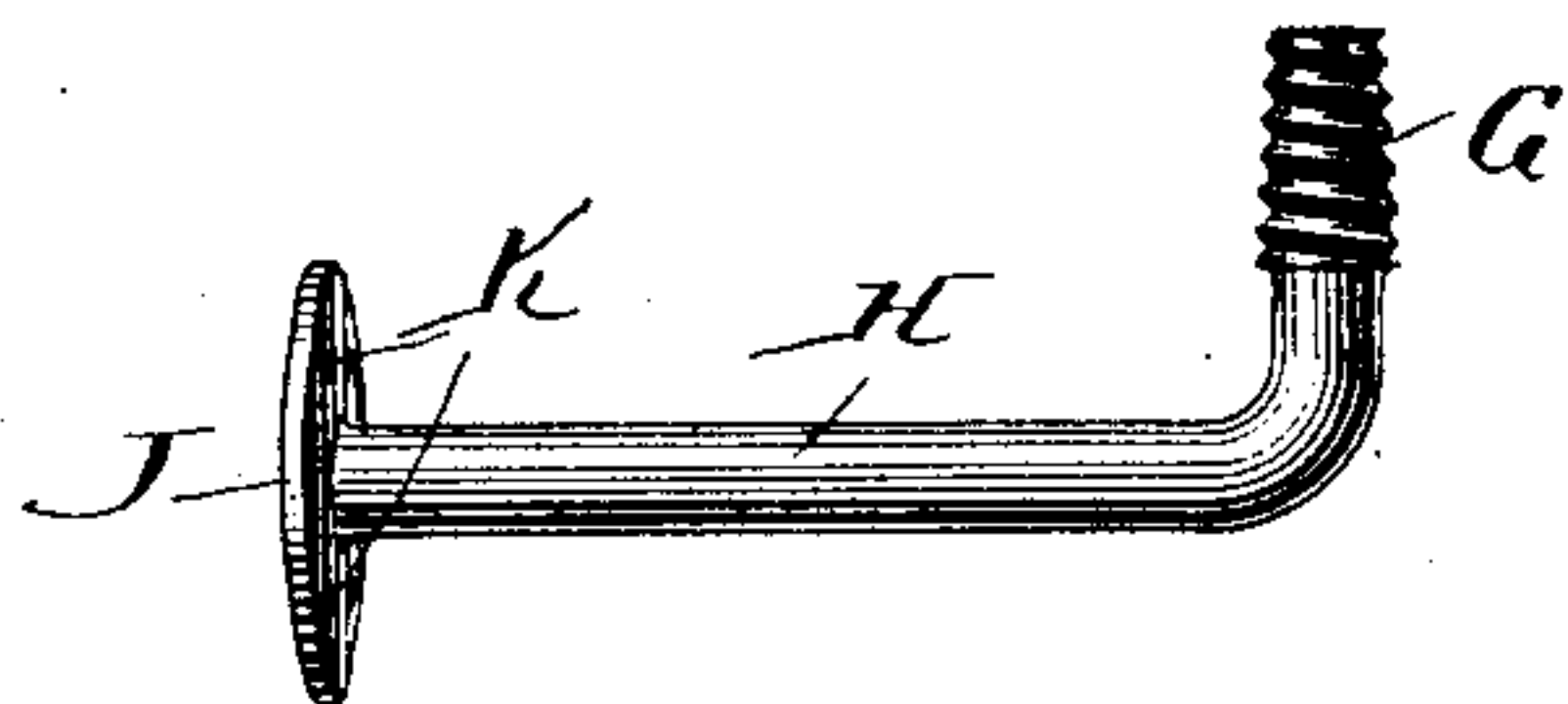


Fig. 5.

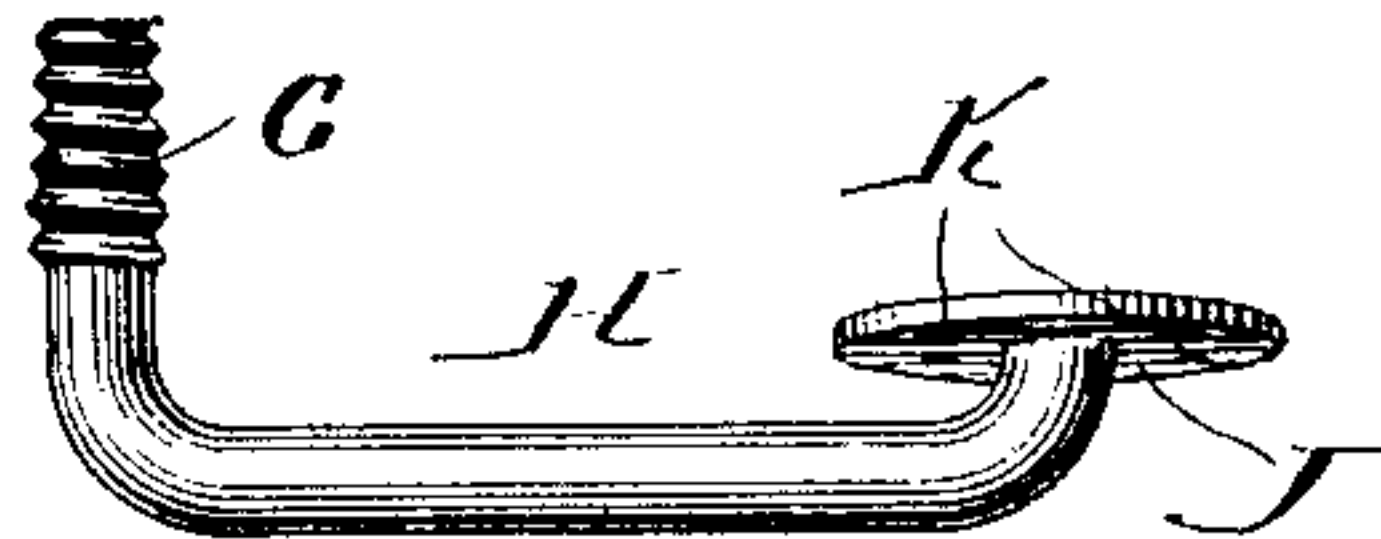


Fig. 6.

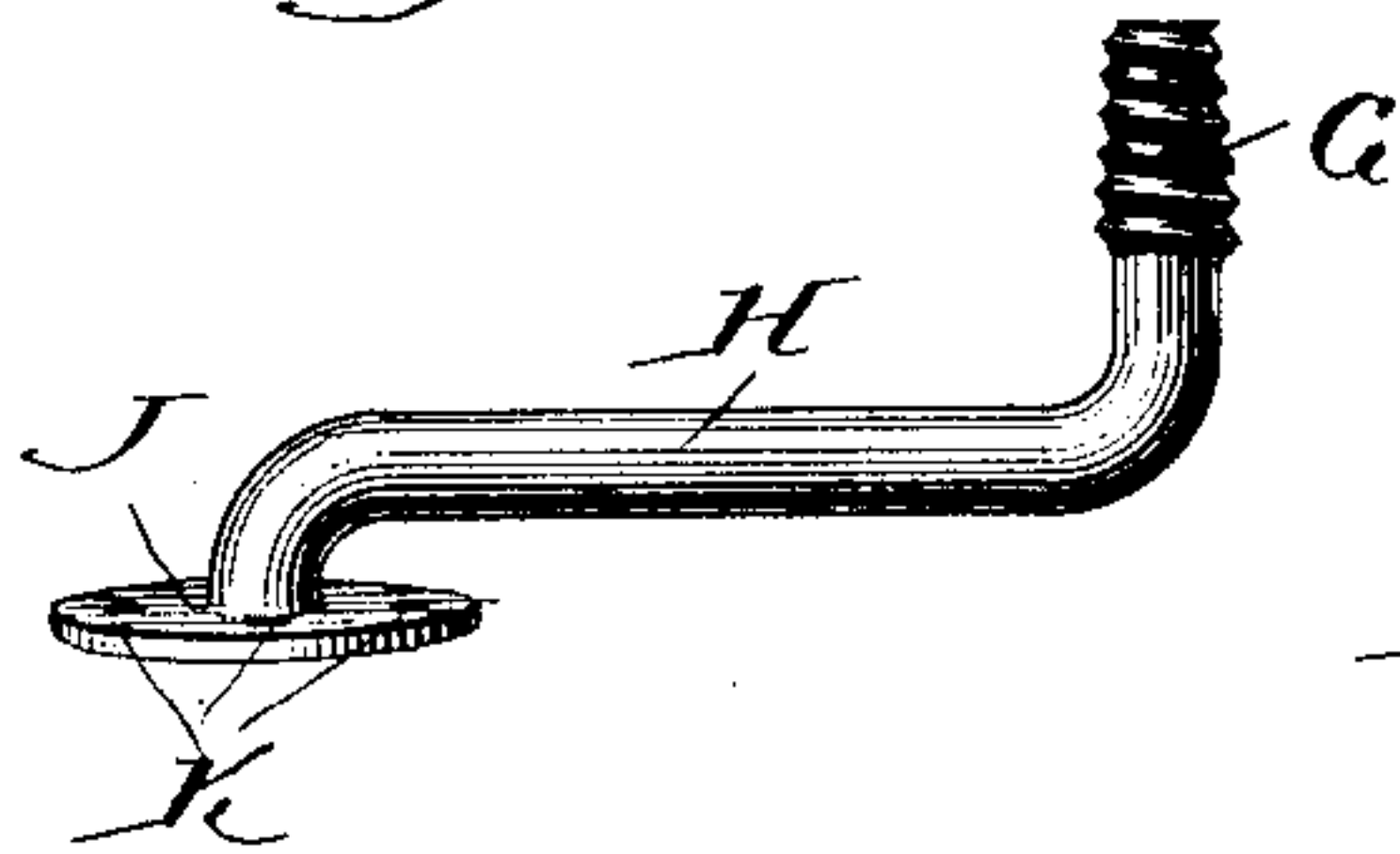


Fig. 7.

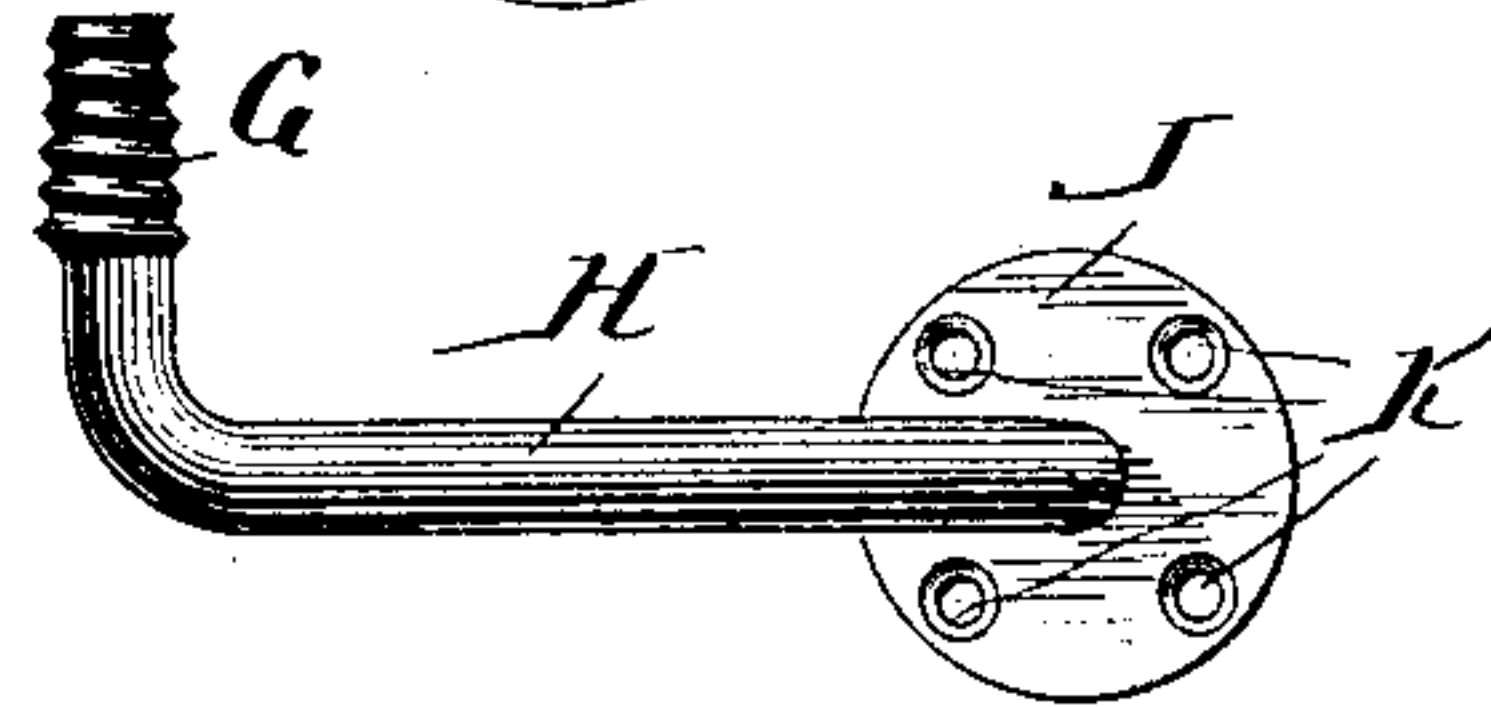
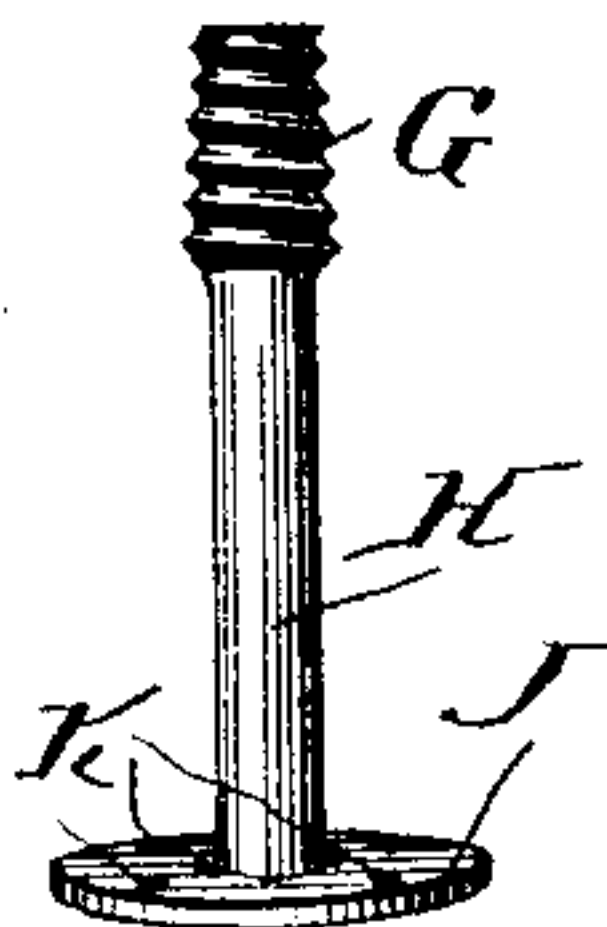


Fig. 8.



Witnesses:

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UNITED STATES PATENT OFFICE.

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INSULATOR-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 463,172, dated November 17, 1891.

Application filed February 12, 1890. Serial No. 340,152. (No model.)

To all whom it may concern:

Be it known that I, THOMAS CARPENTER SMITH, a subject of the Queen of Great Britain and Ireland, and a resident of Philadelphia, Pennsylvania, United States of America, have invented certain new and useful Improvements in Electric-Insulator Brackets, of which the following is a specification.

My invention relates to brackets for supporting insulators, and has for its object to provide a system of brackets for insulators upon which to run electric wires.

My invention is illustrated in the accompanying drawings, wherein—

Figure 1 is a side view of the bracket adapted for two insulators. Fig. 2 is a front view of the same. Fig. 3 is a side view of a modification. Fig. 4 is a wall-bracket. Fig. 5 is a cornice-bracket. Fig. 6 is a roof-bracket. Fig. 7 is a lateral bracket, and Fig. 8 is a straight roof-bracket.

Like parts are indicated by the same letter in all the figures.

Referring to Figs. 1, 2, and 3, A A A are the upper screw-threaded portions to receive the upper insulator, B B B the lower screw-threaded portions to receive the lower insulators. C is a side arm projecting from the body D of the bracket adapted to rest upon the arm or portion to which the bracket is to be secured. E is a somewhat similar projecting arm from the body F of the bracket shown in Fig. 3.

Referring to Figs. 4, 5, 6, 7, and 8, G G are the screw-threaded upwardly-projecting ends to which the insulators are secured. H H are the shanks, shaped in the various forms shown and having at one end the screw-threaded portion G and at the other fastened to the securing-plate J. This plate J is provided with four holes forming substantially the four angles of a square, the width of such square being just equal to the width of an ordinary brick or such bricks as are used for building purposes, so that when the securing-plate is applied to the wall, whether it be to the top or side of such wall, there will always be found some place where the securing-plate can be located, so that when the nails or screws

are passed through the apertures or holes K K they will take into the mortar between the bricks and will thus stand upon opposite sides of the same brick. By this means the brackets are the more readily and firmly secured. Moreover, it is desirable in such brackets that there should always be at hand brackets so formed that upon whatever portion of the wall the bracket is secured the insulator thereto attached will be held in an upright position. By reference to the structure of the various forms of brackets shown in the drawings it will be observed that this result is attained in each instance.

The use and operation of my invention are as follows: The brackets, provided with the screw-threaded insulator-holding ends and the securing-plates, are attached in such position as may be desirable by driving nails through the apertures, such nails in most instances passing freely between the layers of brick. The insulators are then attached and the wire strung. In the ordinary work of stringing wires great difficulty is experienced in the use of brackets, caused by the variety of places at which the same have to be attached, and hence the importance of a series of brackets variously constructed, each for its peculiar position and all together constituting a system of brackets, as herein described.

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

An insulator-supporting bracket consisting of two screw-threaded insulator-supports in substantially the same vertical line, a connecting part of ribbed or flanged metal, and a securing-plate, said plate projecting laterally from the connecting part and making a substantially right angle therewith.

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

THOMAS CARPENTER SMITH.

Witnesses:

JOS. H. KLEIN,
HARRY SMITH.