

(No Model.)

W. WOOD.  
INSULATOR.

No. 568,060.

Patented Sept. 22, 1896.

FIG. 1.

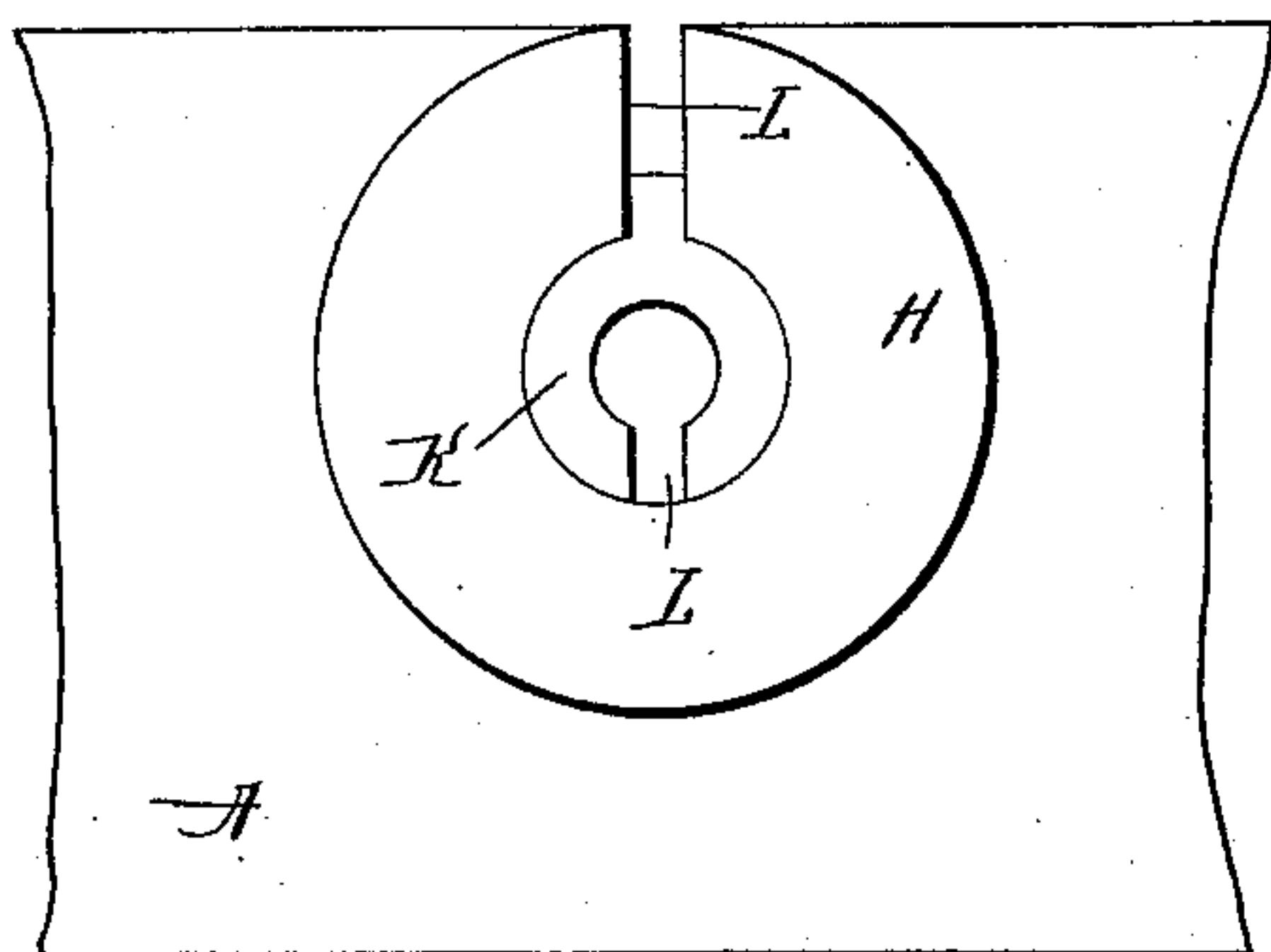


FIG. 2.

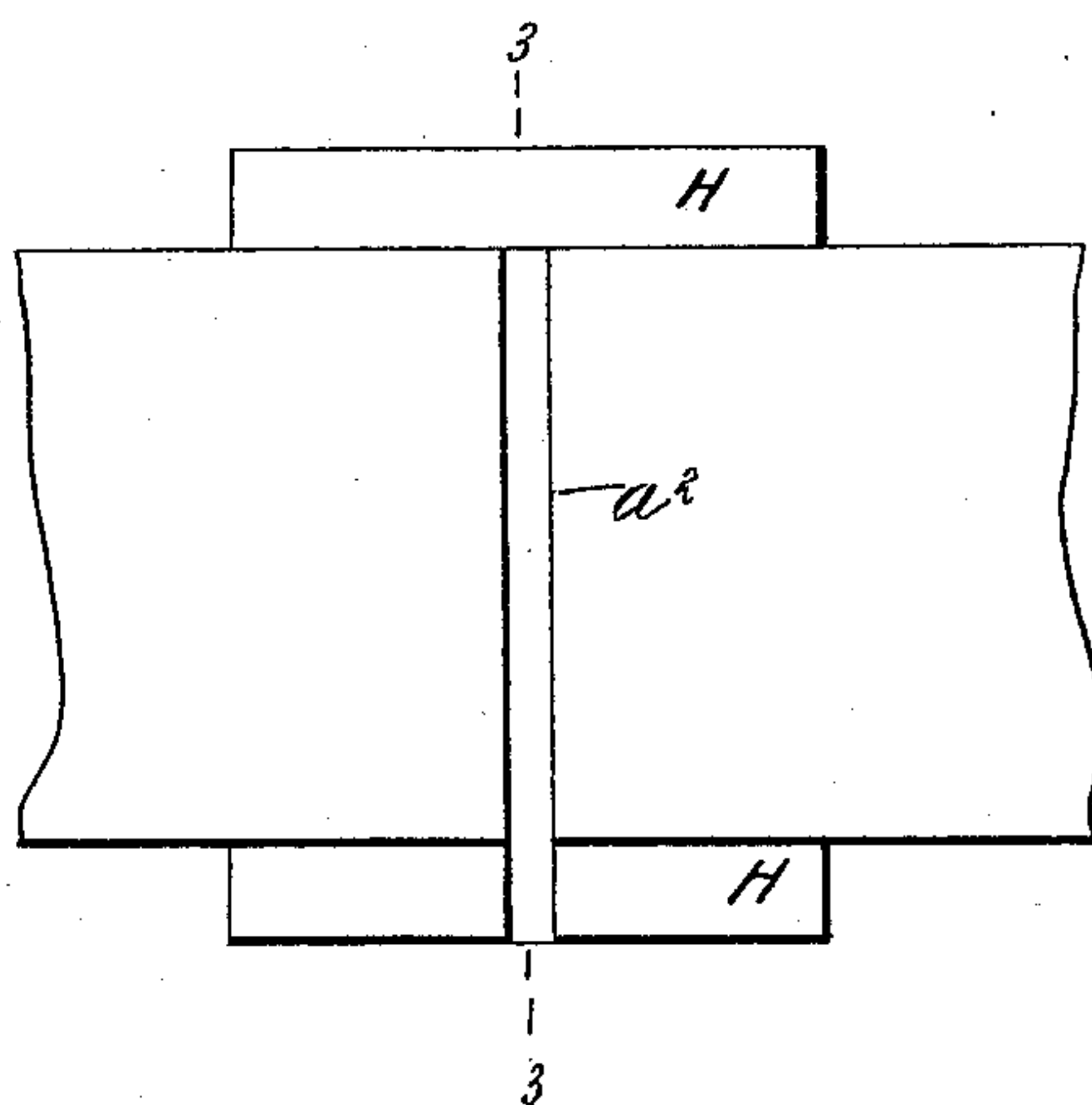


FIG. 3.

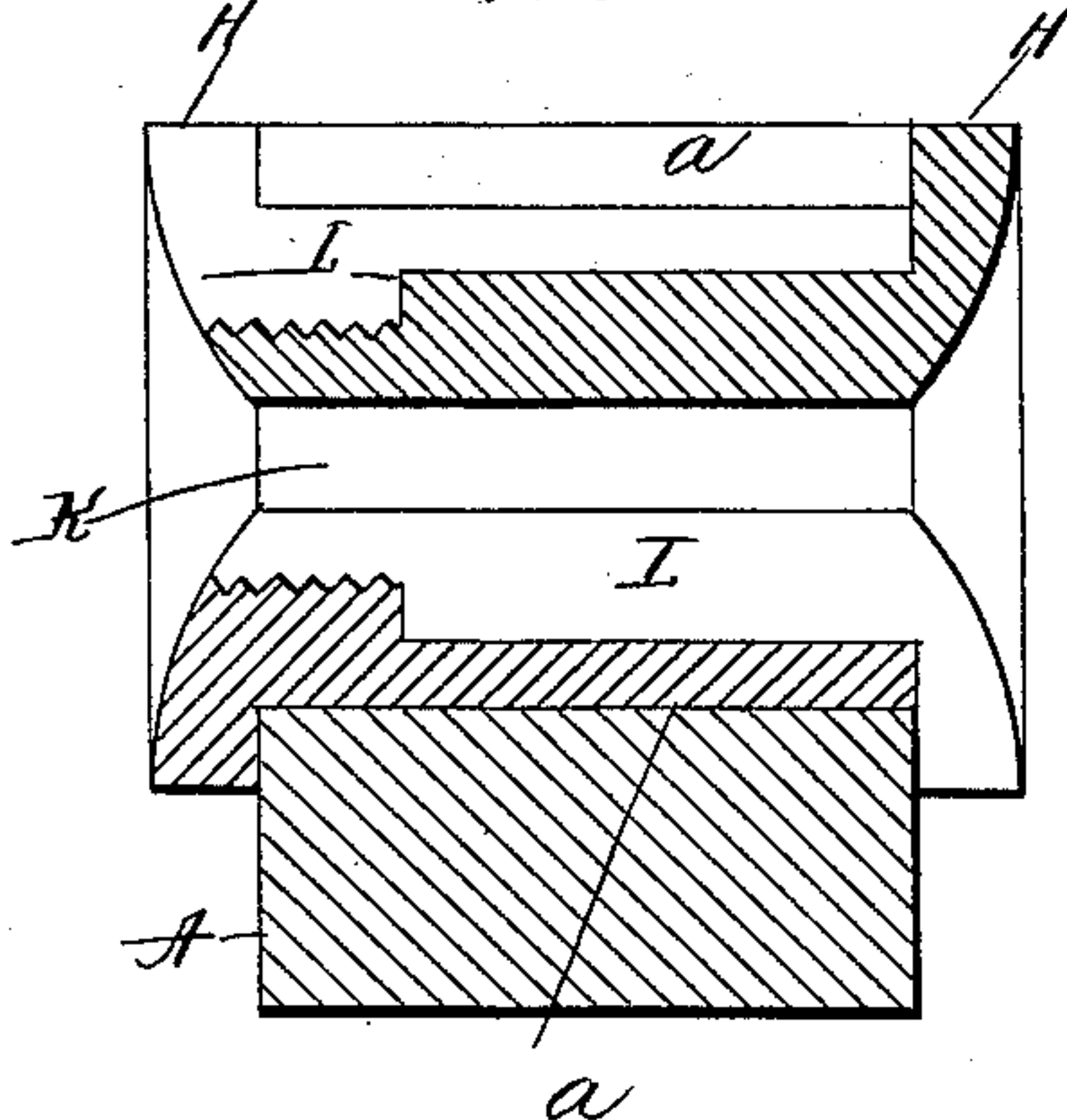
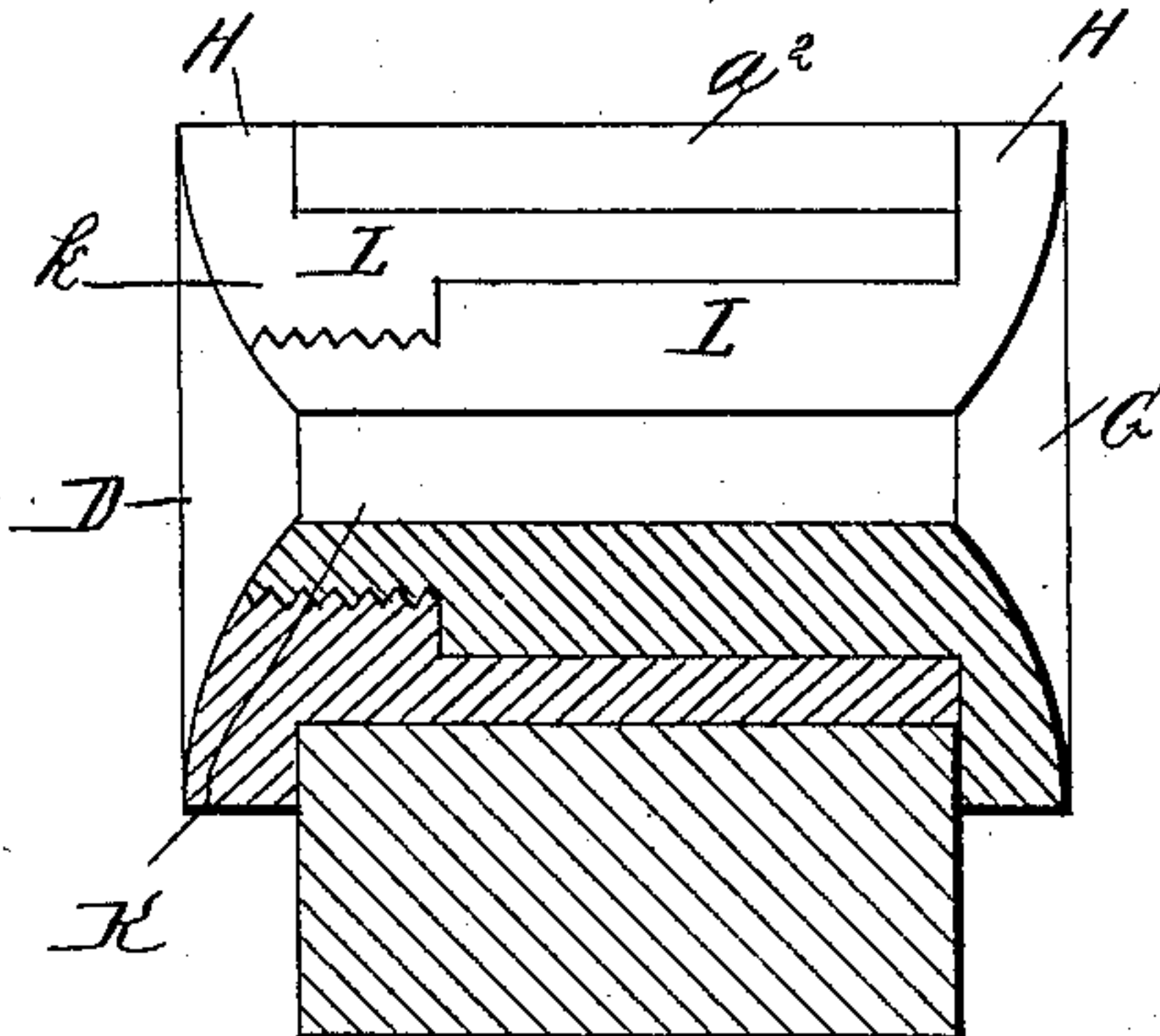


FIG. 4.



WITNESSES:

John Buckler,  
C. Curtis

INVENTOR

William Wood  
BY  
Edgar Tate & Co  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

WILLIAM WOOD, OF MIDDLEBURY, CONNECTICUT.

## INSULATOR.

SPECIFICATION forming part of Letters Patent No. 568,060, dated September 22, 1896.

Application filed March 11, 1896. Serial No. 582,729. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM WOOD, a citizen of the United States, and a resident of Middlebury, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Insulators, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to insulators for electric wires, conductors, telegraph and telephone wires, &c.; and the object thereof is to provide an improved device of this class which may be connected with a pole, beam, bar, or rod or any similar article either in or out of a building.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 is a side view of my improved insulator; Fig. 2, a plan view thereof; Fig. 3, a section on the line 3 3 of Fig. 2; and Fig. 4, a section similar to that of Fig. 3, but showing the parts of the insulator in a different position.

In the drawings forming part of this specification, A represents a section of a pole, beam, rod, or bar of any desired material, and in the practice of my invention I form therein a circular aperture or opening  $a$ , which is provided with a slot  $a^2$  in the top or side thereof, and mounted in the central transverse circular aperture or opening  $a$  are two tubular insulators D and G, each of which is provided at its outer end with an annular flange or rim H, and one of which is adapted to be inserted into the other, the inner insulator being provided with an end section K, which is reduced in size and provided with a screw-thread, and the other being provided with a portion  $k$ , which corresponds therewith and is also screw-threaded. Each of the insulators D and G is provided with a longitudinal slot L, which extends from the central bores thereof outwardly and through the annular rims or flanges H, and the operation will be readily understood from the foregoing description when taken in connection with the accompanying drawings. It will be un-

derstood, as hereinbefore stated, that one of these insulators is mounted upon the other and is free to revolve thereon within certain limits, and that the same may be turned so that the longitudinal slots therein will register with each other and with the slot  $a^2$  in the support A.

In practice the wire or conductor is inserted into the central bore of the inner insulator when the slots of the insulators and the slot  $a^2$  of the support register, as above described and as shown in Fig. 4. One of the insulators is then turned upon or within the other, so that the slots L will not register, this position of the parts being shown in Fig. 2, and when the insulators are in this position the wire or conductor will be securely held therein and cannot be removed therefrom, either accidentally or otherwise.

The insulators D and G may be composed of any desired material, such as glass, rubber, or any similar or preferred substance, and it will thus be seen that I accomplish the object of my invention by means of a device which is simple in construction and operation and one which is perfectly adapted to accomplish the result for which it is intended, while being also comparatively inexpensive.

It will also be apparent that my invention is not limited to the exact form, construction, and arrangement of the various parts thereof as herein described, and I reserve the right to make all such alterations therein and modifications thereof as fairly come within the scope of the invention.

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

1. The herein-described insulator, which consists of two separate parts which are tubular in form, one of which is placed within the other, and each of which is provided with an oblong slot which communicates with the central bore thereof, substantially as shown and described.

2. The herein-described insulator, which consists of two separate parts which are tubular in form, one of which is placed within the other, and each of which is provided with an oblong slot which communicates with the central bore thereof, each of said insulators being



also provided with an annular rim or flange at its outer end, substantially as shown and described.

3. The herein-described insulator, which  
5 consists of two separate parts which are tubular in form, one of which is placed within the other, and each of which is provided with an oblong slot which communicates with the central bore thereof, each of said insulators being  
10 also provided with an annular rim or flange at its outer end, and the inner insulator being also provided with a screw-threaded reduced section, and the outer insulator being provided with a screw-threaded section which  
15 corresponds therewith, substantially as shown and described.

4. The combination with a pole, bar, beam or other support, provided with a transverse circular opening, and a slot which communi-

cates therewith, of an insulator consisting of 20 two tubular portions one of which is placed within the other, and each of which is provided with a longitudinal slot which communicates with the central bore thereof, the construction and arrangement being such that 25 the longitudinal slots in the insulators may be caused to register with each other, and also with the slot in the support, substantially as shown and described.

In testimony that I claim the foregoing as 30 my invention I have signed my name, in presence of the subscribing witnesses, this 9th day of March, 1896.

WILLIAM WOOD.

Witnesses:

MATTIE PECK,  
NEITA PECK.