

No. 737,114.

PATENTED AUG. 25, 1903.

O. E. KENNEY.  
INCANDESCENT LAMP SOCKET.  
APPLICATION FILED DEC. 31, 1902.

NO MODEL.

Fig. 1.

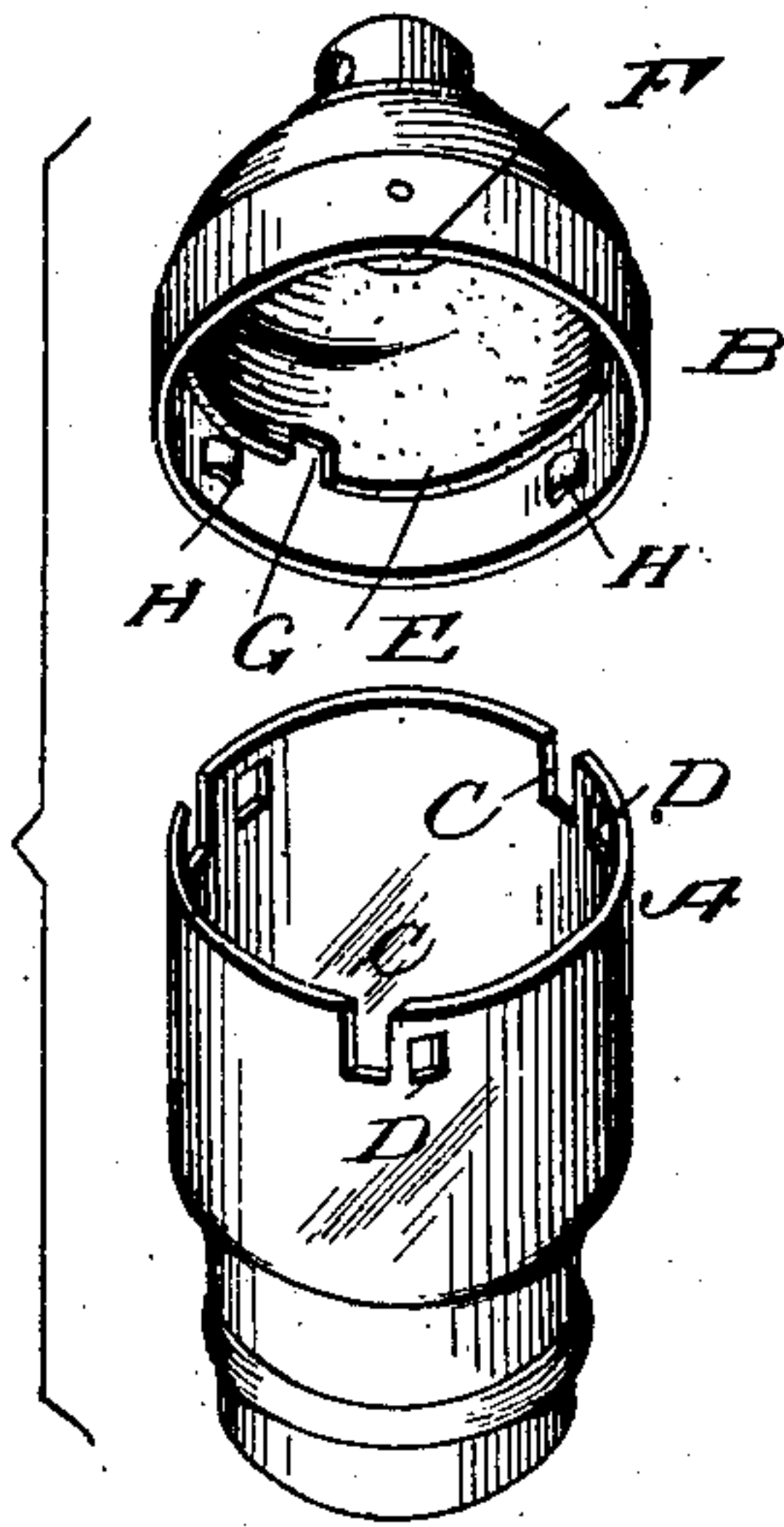


Fig. 2.

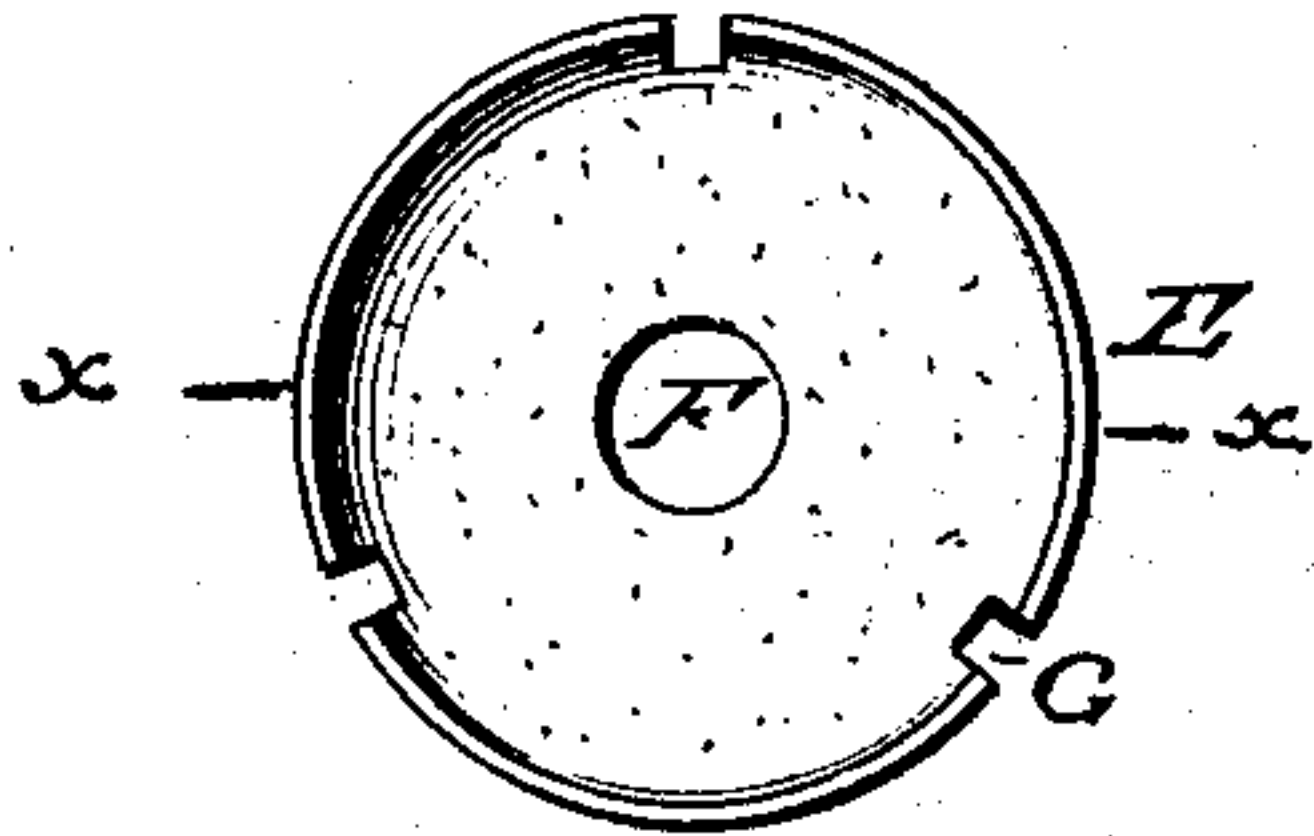


Fig. 3.

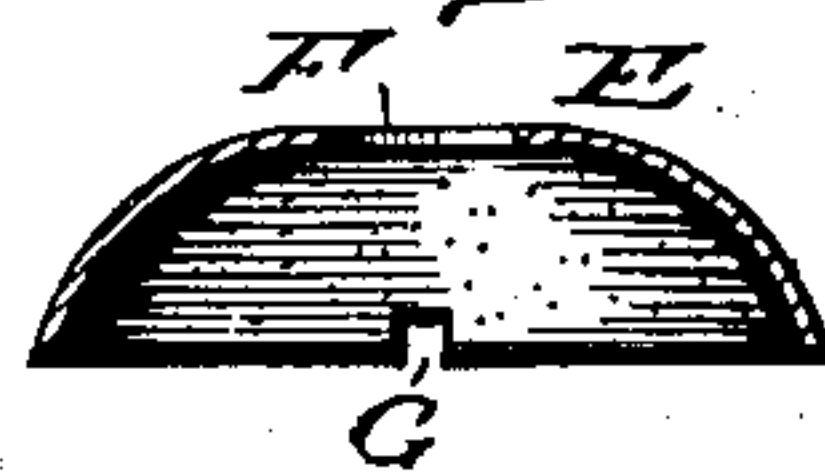


Fig. 4.

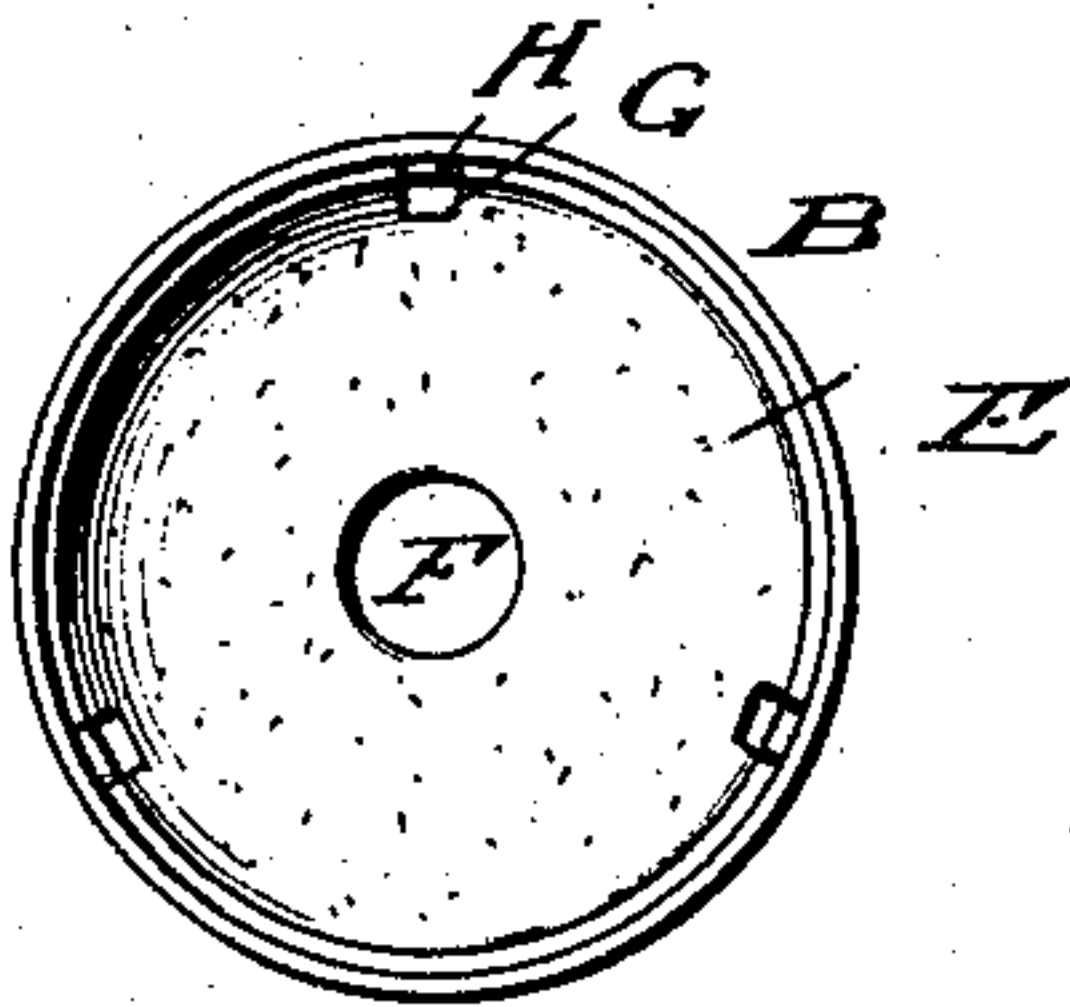
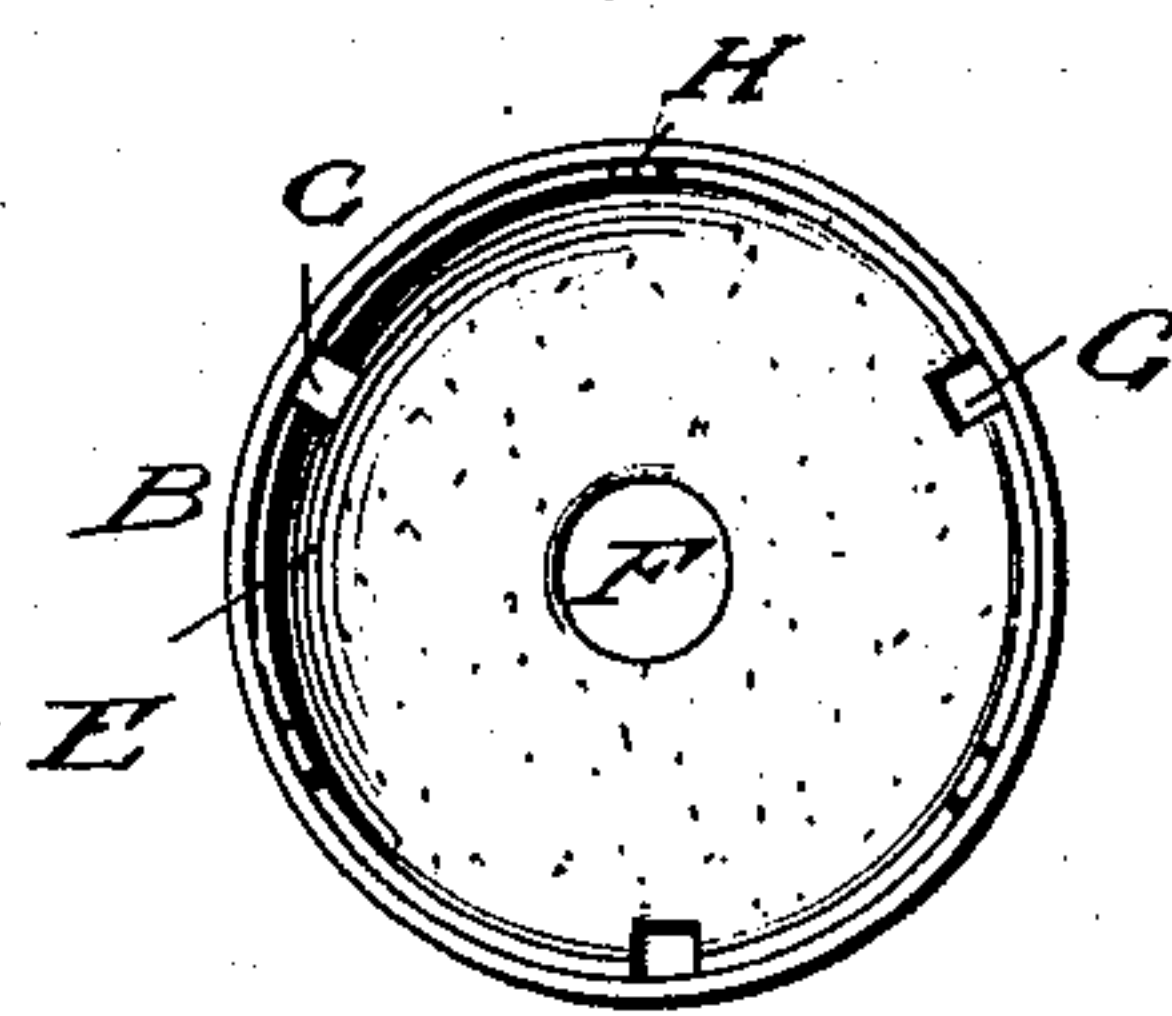


Fig. 5.



Witnesses

*J. Wheeler.*

By

*Owen E. Kenney*  
*Ym. C. W. Entire*

Inventor

Attorney.



# UNITED STATES PATENT OFFICE.

OWEN E. KENNEY, OF TOLEDO, OHIO, ASSIGNOR TO THE YOST ELECTRIC MANUFACTURING COMPANY, OF TOLEDO, OHIO, A CORPORATION OF OHIO.

## INCANDESCENT-LAMP SOCKET.

SPECIFICATION forming part of Letters Patent No. 737,114, dated August 25, 1903.

Application filed December 31, 1902. Serial No. 137,336. (No model.)

*To all whom it may concern:*

Be it known that I, OWEN E. KENNEY, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have  
 5 invented certain new and useful Improvements in Incandescent-Lamp Sockets; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art  
 10 to which it appertains to make and use the same.

My invention relates to certain new and useful improvements in incandescent-lamp sockets, and has for its object to provide an  
 15 insulating-disk for what is commonly known as the "base" or "cap" of the socket which shall conform to the requirements of the underwriters in that it shall be readily removable and which shall at the same time be securely held in position after being assembled  
 20 at the factory and during transportation and handling.

My invention is designed especially for use with lamp-sockets such as shown and described in Letters Patent No. 712,685, granted  
 25 to me November 4, 1902, and in which is shown and described a shell having open vertical slots with adjacent closed slots and a base or cap with interior radial projections adapted  
 30 to pass vertically into the open slots of the shell and to be then interlocked with the adjacent slots.

With the objects described in view my invention consists in combining with the base  
 35 or cap provided with interiorly-projecting radial projections or studs a cup-shaped disk of fiber insulating material formed with peripheral slots corresponding with the radial projections on the interior of the base or cap and  
 40 adapted to pass over said projections and to be held against accidental removal by rotating the same to carry the said peripheral slots out of register with the radial projections of the base or cap, all as will be hereinafter explained.  
 45

In order that those skilled in the art to which my invention appertains may know how to make and use the same, I will proceed to describe the construction and manner of using  
 50 the same, referring by letters to the accompanying drawings, in which—

Figure 1 is a perspective view of a shell and base or cap, such as is shown in the Letters Patent hereinbefore referred to. Fig. 2 is a  
 top or plan view of my improved cup-shaped  
 55 fiber insulator. Fig. 3 is a central vertical section of the same, taken on the line  $xx$  of Fig. 2. Fig. 4 is a top or plan view of the base or cap with my improved disk insulator in position and with the peripheral slots there-  
 60 of in register with the interior radial projections of the base or cap; and Fig. 5 is a similar view showing the cup-shaped insulating-disk turned upon its axis so as to bring the  
 65 peripheral slots out of register with the radial projections of the base or cap, so that the latter will prevent the accidental separation of the cup-shaped disk from the base or cap.

Similar letters of reference indicate like parts in the several figures of the drawings. 70

A represents the shell, and B the base or cap, of an incandescent-lamp socket, such as shown and described in the Letters Patent hereinbefore referred to, and in which C are  
 75 the vertical open slots and D the adjacent closed slots.

H represents the interior radial projections or teats on the base or cap, which are designed to enter the vertical open slots C of the shell and to be interlocked with the closed slots D  
 80 by a partial rotative movement relatively between the base or cap B and the shell A, as fully described in the Letters Patent before referred to.

E is my improved cup-shaped insulator, 85 formed with a central opening F for the passage of the circuit-wires and with two or more peripheral slots G, adapted to register with and pass over the corresponding radial projections or teats H of the base or cap B, as  
 90 clearly shown at Fig. 4, and to be then turned out of register with said radial projections or teats, as shown at Fig. 5, so that said teats shall operate to hold the cup-shaped disk within the base or cap and against accidental  
 95 disengagement or removal and so as to constitute a proper insulation of said base or cap.

When it is desired, in conformity with the requirement of the underwriters, to remove  
 100 the cup-shaped disk E, it is rotated so as to bring the peripheral slots G thereof into register or alinement with the radial projections



or teats H, as shown at Fig. 4, when the cup-shaped disk may be in an obvious manner removed from the base or cap. With this construction and arrangement the relative diameter and circumferential relation between the disk and the base or cap may be such that any expansion of the disk under atmospheric influences will not cause such close or binding contact between the periphery of the disk and the base or cap as occurs in constructions such as are at present made, and in which to preserve the temporary fixed relation between the insulator-disk and the base or cap the former is of slightly greater diameter than the base or cap and is forced or sprung into position therein, and consequently when the disk is expanded under atmospheric conditions it becomes difficult and sometimes impossible to separate it from the base or cap.

I of course do not wish to be limited in the number and location of the radial projections or teats H on the base or cap or the corresponding peripheral slots G of the cup-shaped

disk E so long as the number and location of the same is such as to produce the result described.

Having described the construction and advantages of my improvement, what I claim as new, and desire to secure by Letters Patent, is—

In an incandescent-lamp socket, in combination with a shell having open slots and adjacent closed slots, and a base or cap provided with interior radial projections or teats, a disk insulator formed with peripheral slots adapted to pass over the radial projections or teats of the base or cap, and to be turned out of register therewith to secure the disk against accidental separation from the base or cap, substantially as and for the purpose set forth.

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

OWEN E. KENNEY.

Witnesses:

JOS. R. YOST,

MARGUERITE A. ELY.