

No. 843,310.

PATENTED FEB. 5, 1907.

G. B. THOMAS & G. W. GOODRIDGE.  
INCANDESCENT LAMP SOCKET.

APPLICATION FILED JULY 5, 1906.

3 SHEETS—SHEET 1.

FIG. 1

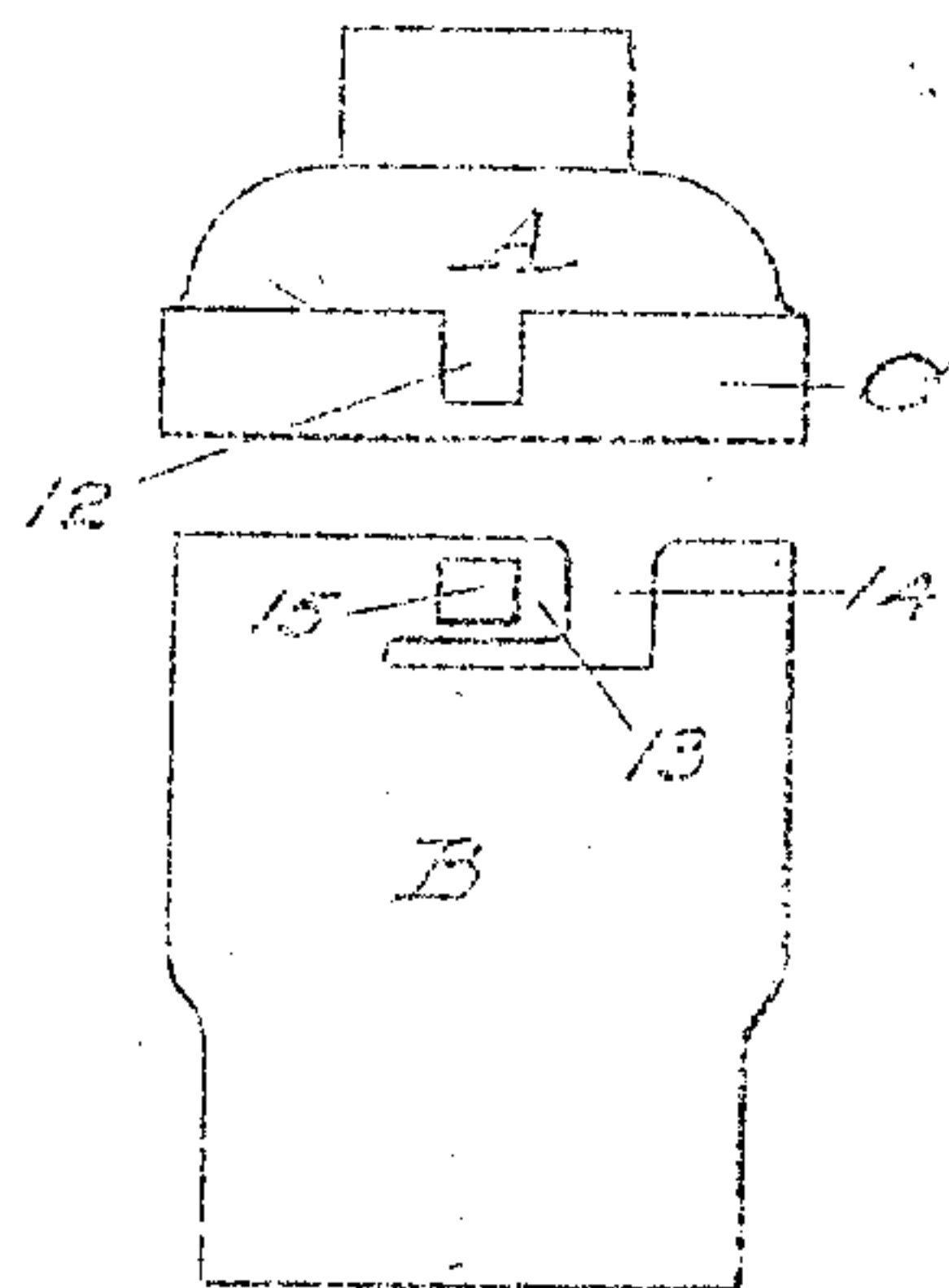


FIG. 2

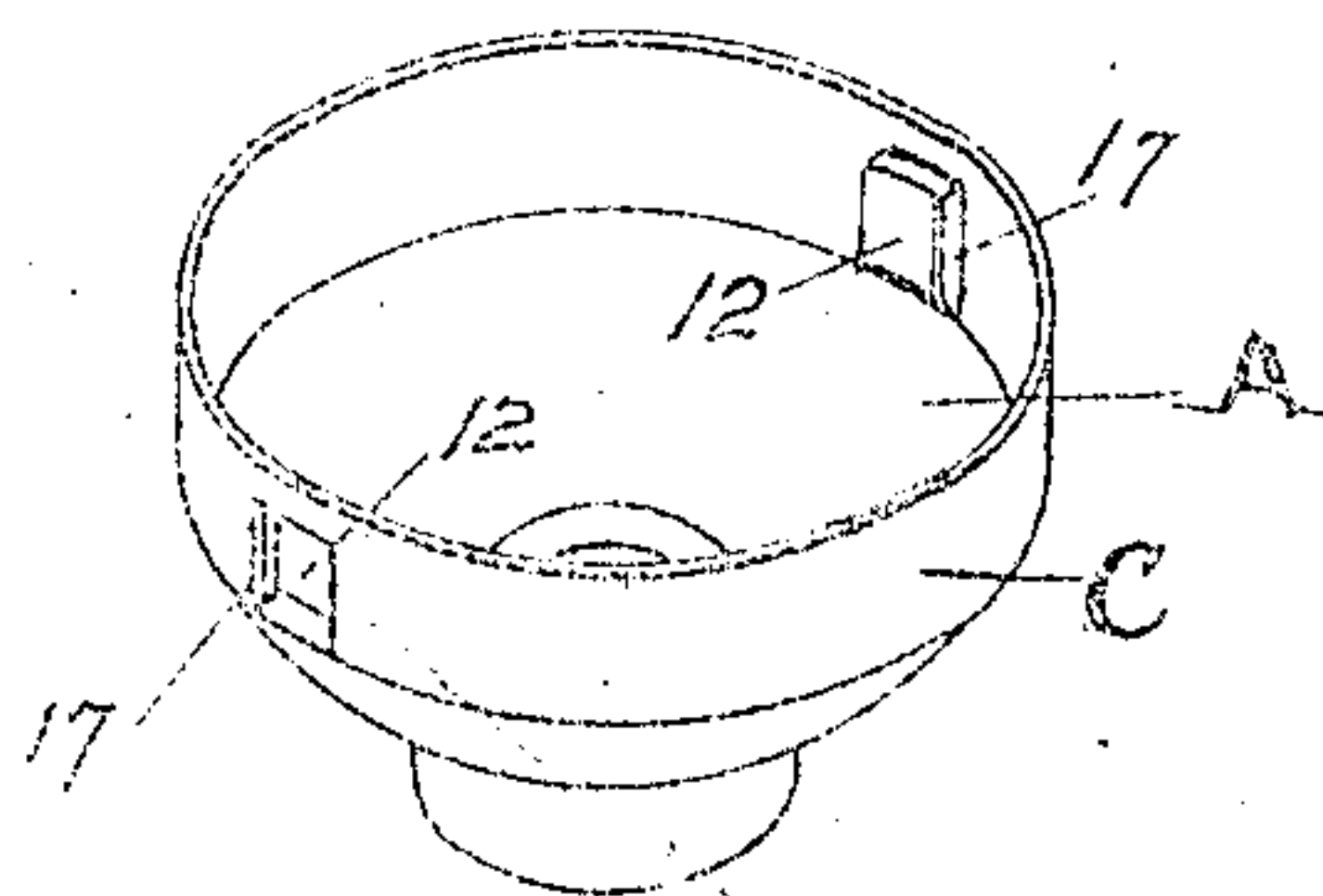


FIG. 3

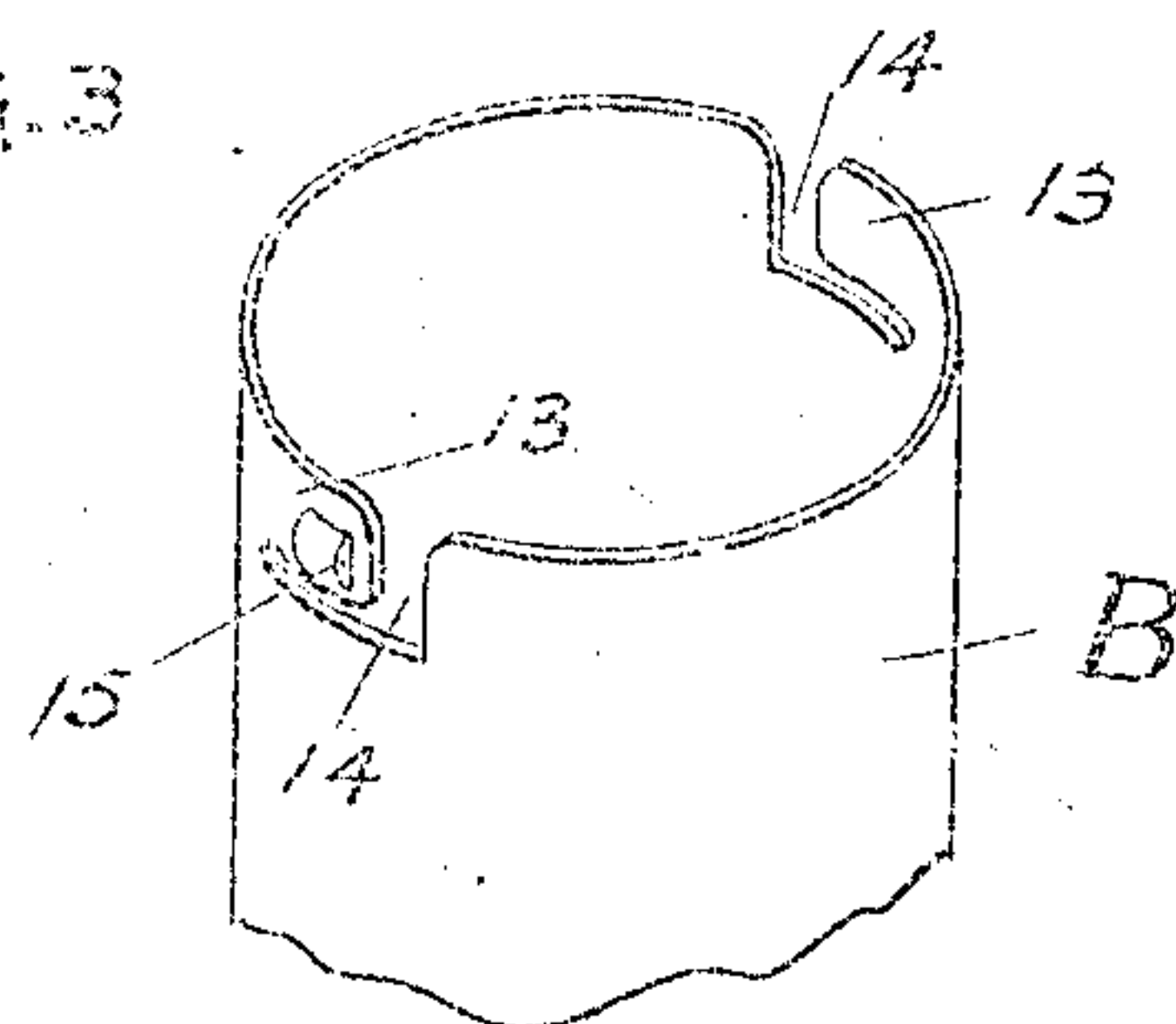


FIG. 4

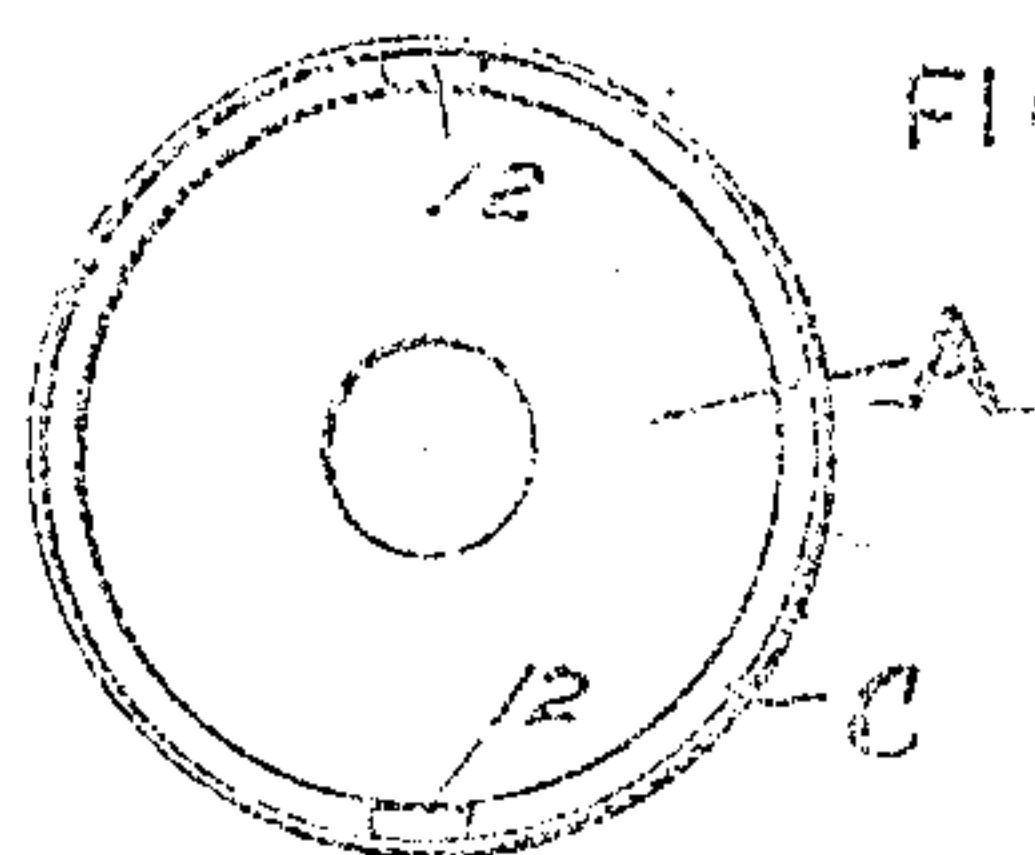


FIG. 5

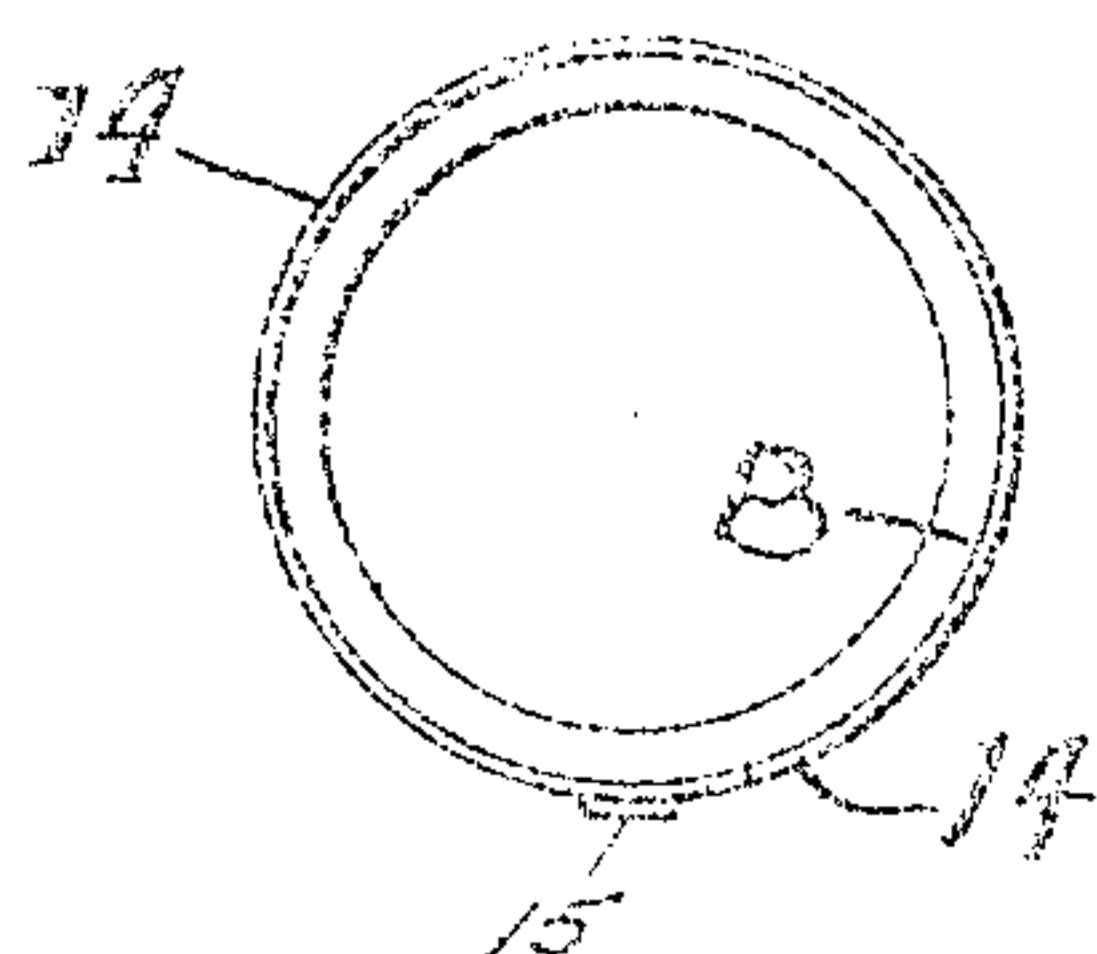


FIG. 6

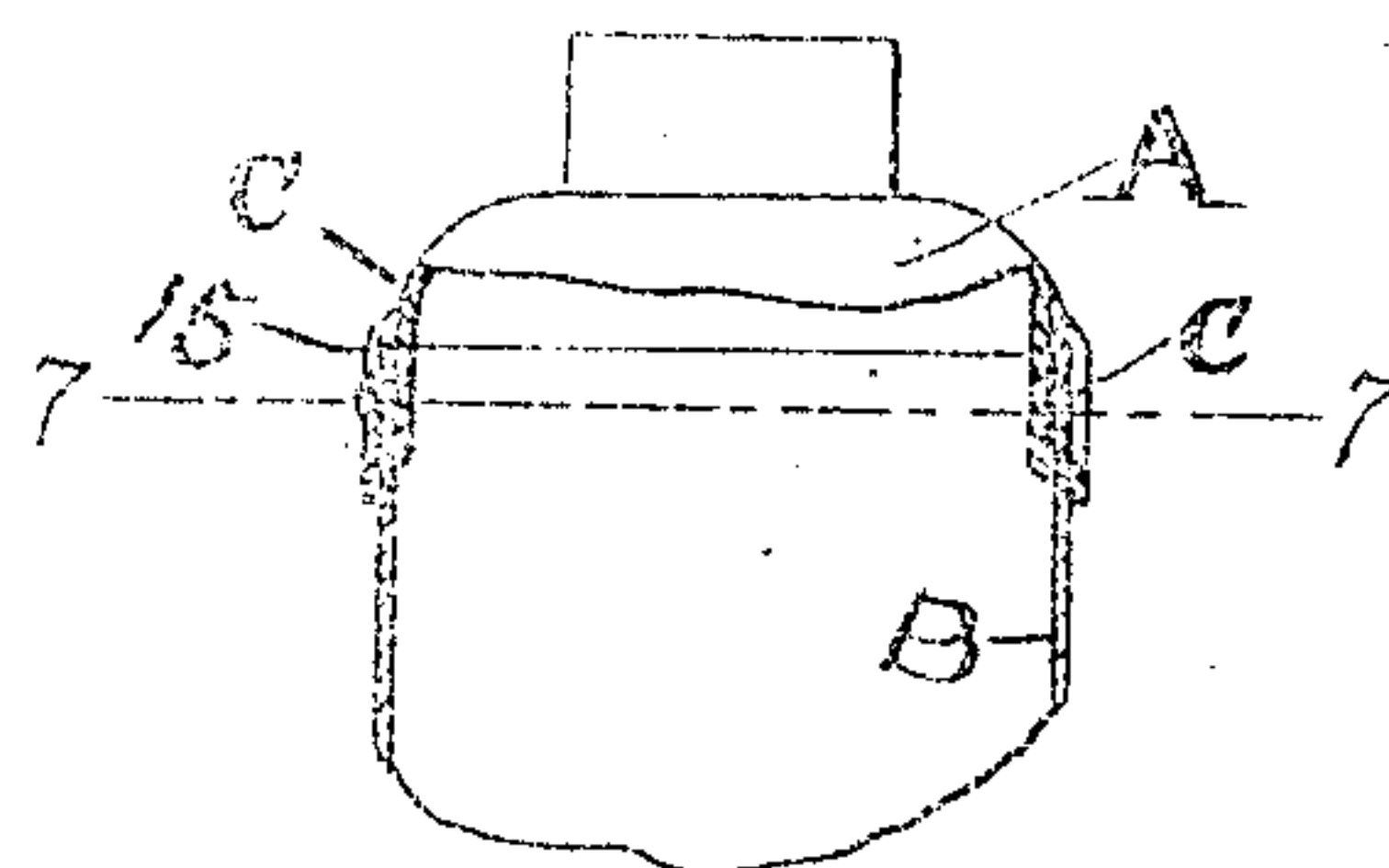
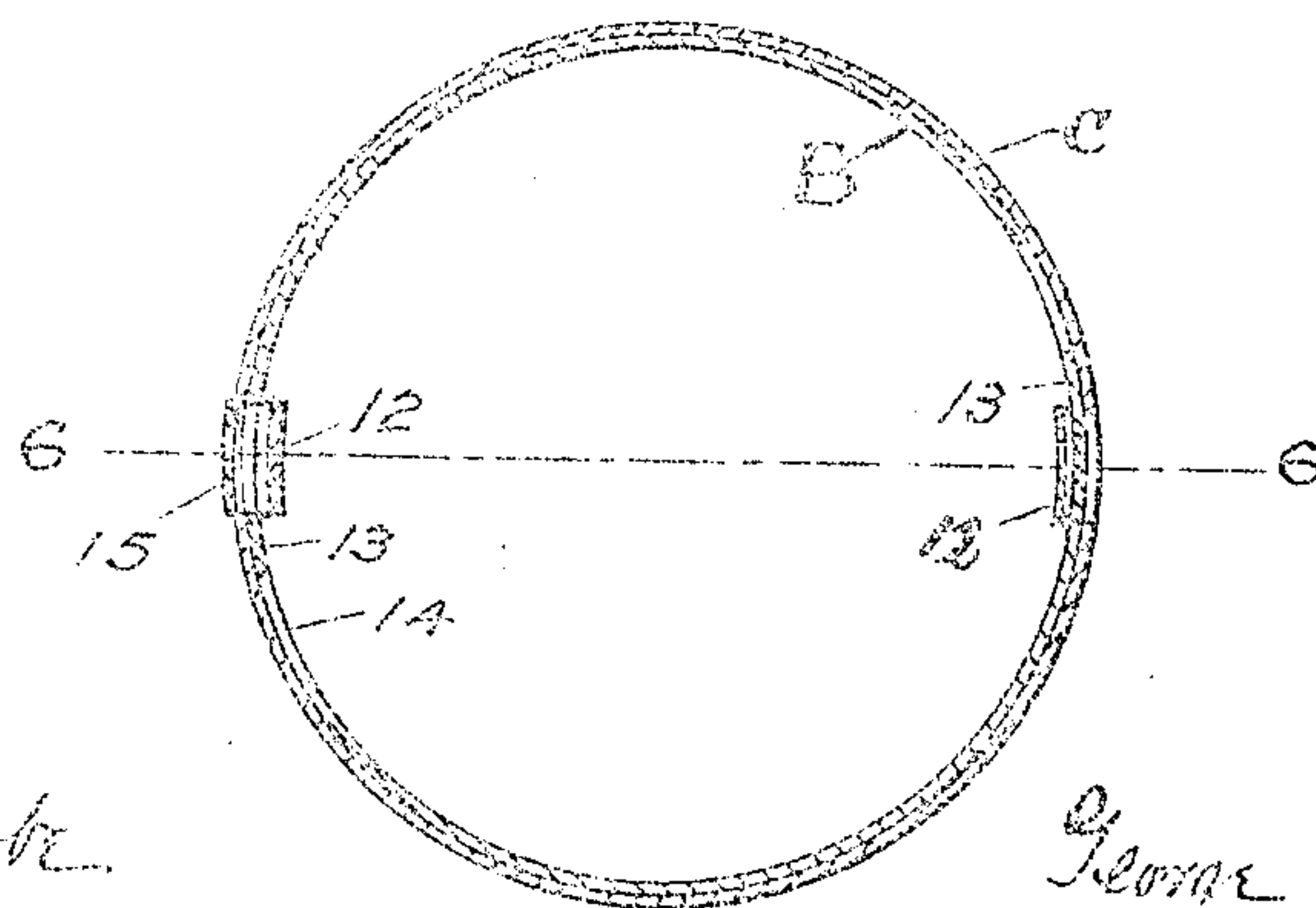


FIG. 7



WITNESSES

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2 SHEETS- SHEET 2.

FIG-8

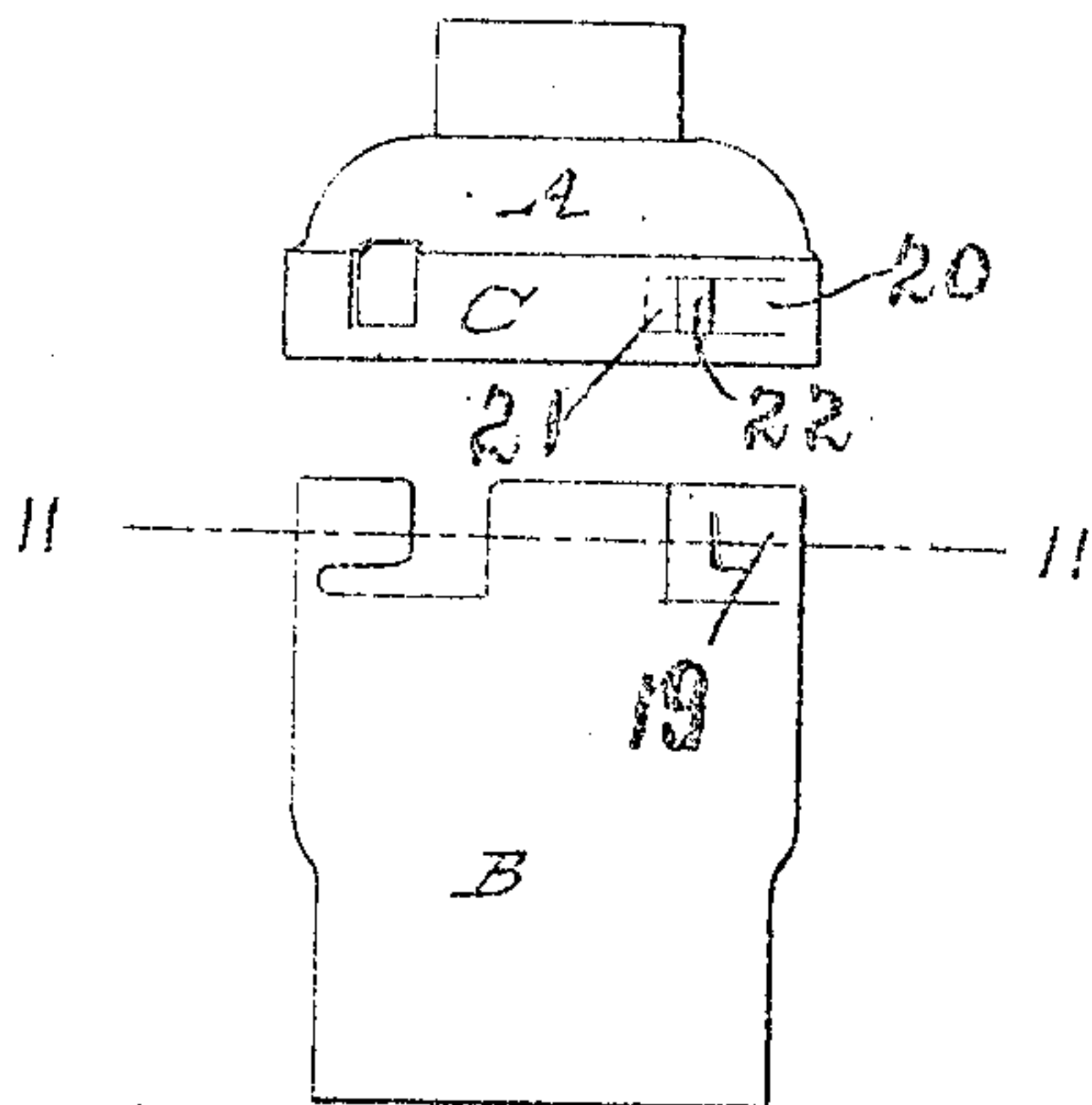


FIG-9

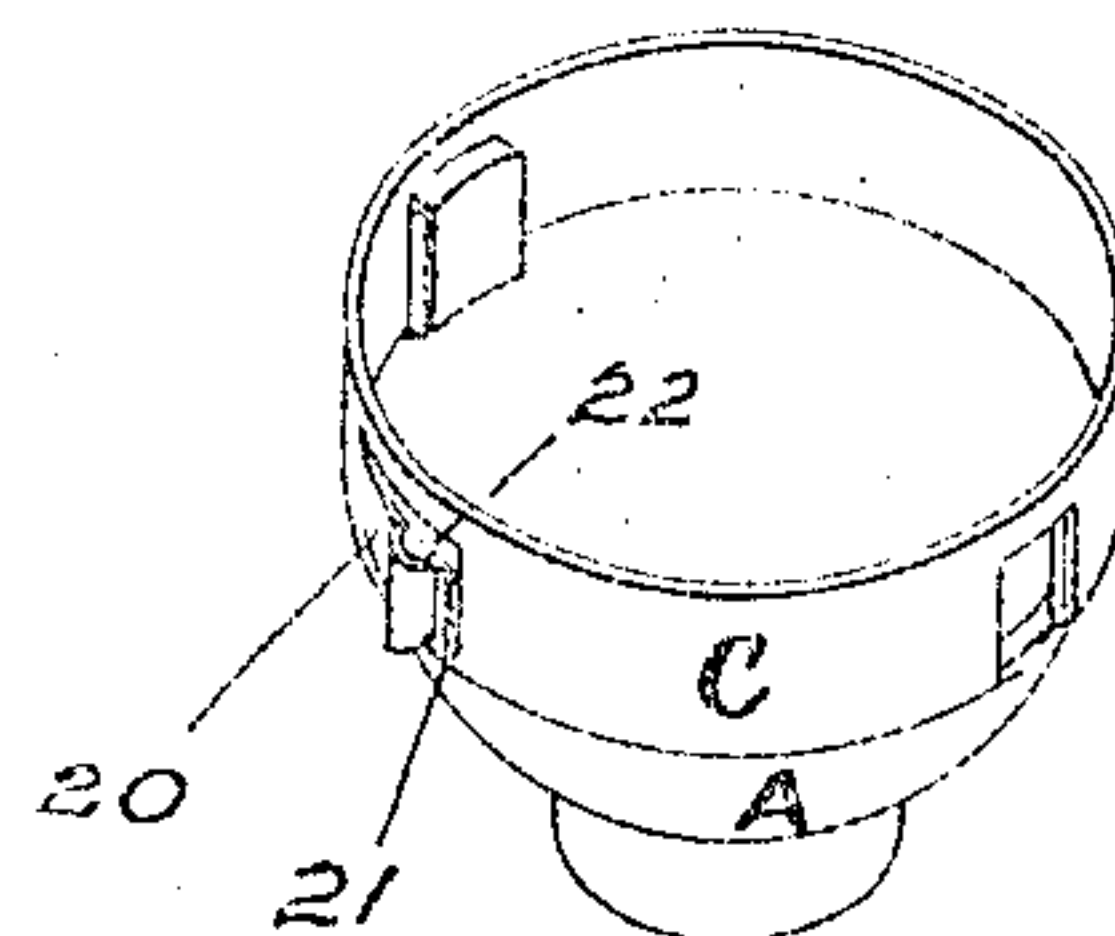


FIG-10

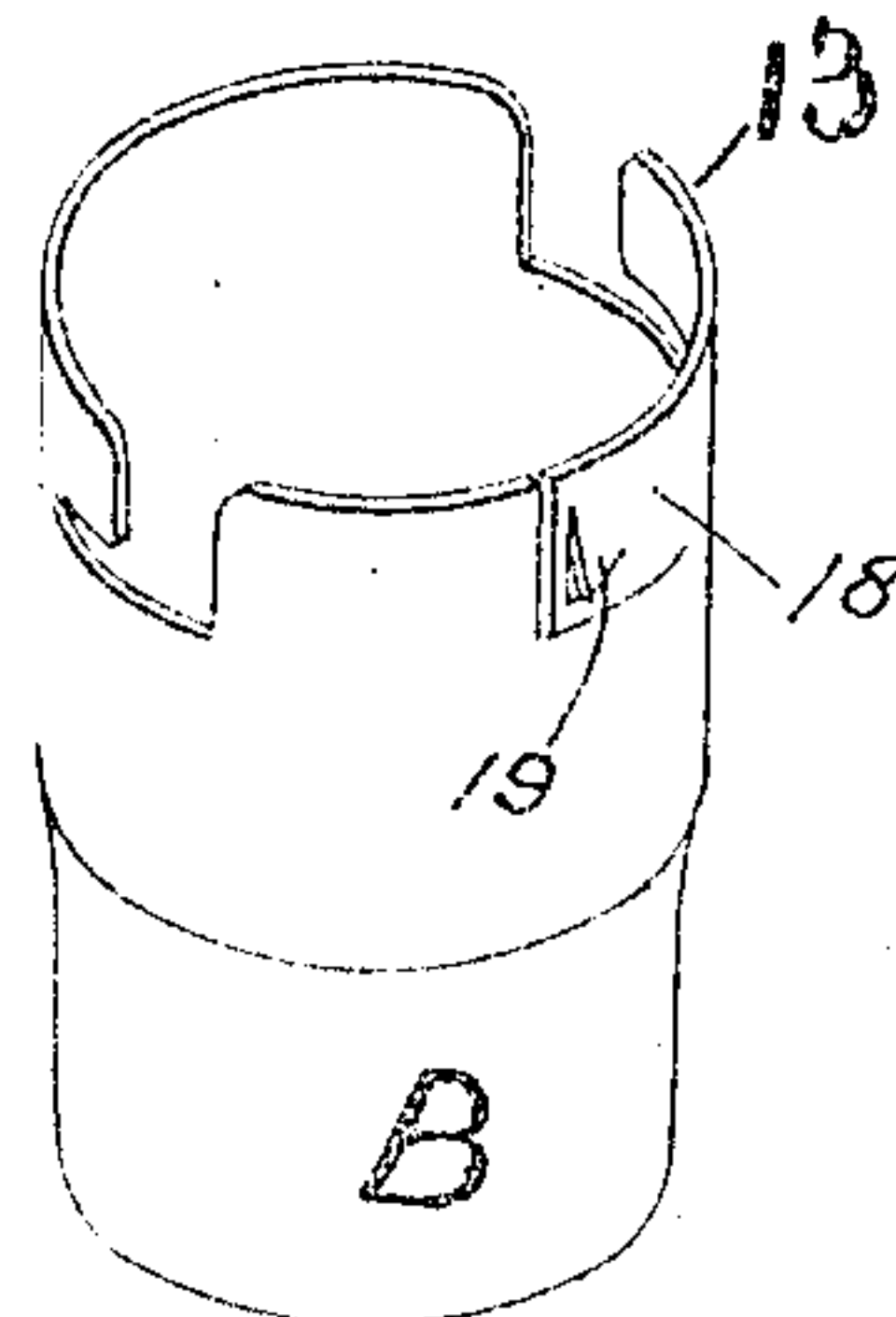
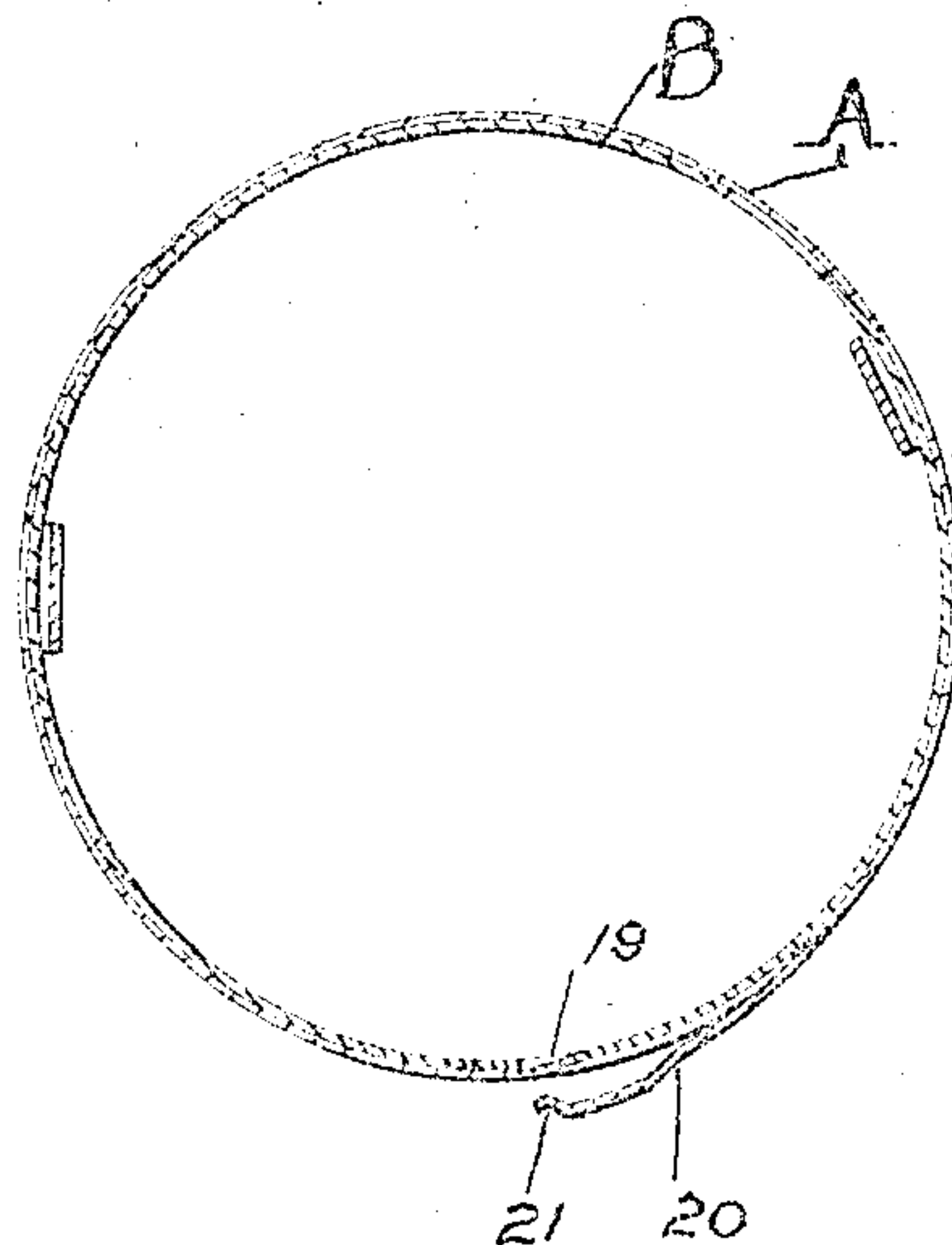


FIG-11



WITNESSES

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# UNITED STATES PATENT OFFICE.

GEORGE B. THOMAS AND GILBERT W. GOODRIDGE, OF BRIDGEPORT, CONNECTICUT, ASSIGNORS, TO THE BRYANT ELECTRIC COMPANY, OF BRIDGEPORT, CONNECTICUT, A CORPORATION OF CONNECTICUT.

## INCANDESCENT-LAMP SOCKET.

No. 843,310.

Specification of Letters Patent.

Patented Feb. 5, 1907.

Application filed July 5, 1906. Serial No. 324,920.

*To all whom it may concern:*

Be it known that we, GEORGE B. THOMAS and GILBERT W. GOODRIDGE, both citizens of the United States of America, residing in the city of Bridgeport, in the county of Fairfield, in the State of Connecticut, have invented certain new and useful Improvements in Incandescent-Lamp Sockets, of which the following is a specification.

Our invention relates to incandescent-lamp sockets and the like, and particularly to the means of fastening together the shell and the cap, the object of our invention being to provide a ready and secure means whereby the parts may be attached or loosed.

In the accompanying drawings, Figure 1 is a side view of the shell and cap detached. Figs. 2 and 3 are perspective views of the cap and shell, respectively. Figs. 4 and 5 are plan views of the cap and shell, respectively. Fig. 6 is a cross-section on the line 6-6, Fig. 7, but on a smaller scale than Fig. 7. Fig. 7 is a cross-section on the line 7-7, Fig. 6, drawn to a larger scale. Fig. 8 is a side view of a modification. Figs. 9 and 10 are perspective views of the modified cap and shell, respectively, and Fig. 11 is an enlarged cross-section of the parts on the line 11, Fig. 8, when the parts are united.

Referring to the drawings, the cap A and the shell B are made of any suitable material, preferably the usual drawn sheet metal. The annular flange C, forming the basal rim of the cap, is stamped inwardly at two or more appropriate points to form straps 12 from the metal of the rim. At corresponding points on the shell circumferential tongues 13 suitable to fit these straps are formed by bayonet cuts 14. On one of the tongues is formed a projection 15 to enter and engage the hole 17, formed in the shell by the punching of the strap.

When the shell is put into the cap and then turned, the projecting catch 15 will snap into place in the hole 17 and become locked with the opposite ends of the latter and prevent the shell from being rotated in either direction. At the same time the entrance of the tongues 13 into their respective straps in the cap will prevent endwise withdrawal of the shell from the cap. Upon pressing down by any suitable means on the projection 15 carried by the spring-tongue the shell may be

from the straps and the shell then taken from the cap.

A modified form of cap illustrated in Figs. 8 to 11, respectively, may be employed. A further spring-tongue 18 is cut in the shell, and an angled projection 19, facing in an opposite direction to that in which the tongues 13 point, is punched outwardly therefrom near its free end. At a corresponding point in the rim of the cap is cut a spring-tongue 20, the free end of which is arched to afford a convenient means by which the tip 21 of the tongue may be pressed down upon the angled projection 19 and the latter pushed out of engagement with the side of the hole 22 formed in the cap by the cutting of the tongue 20. The shell is thus made free to rotate in the direction necessary to withdraw the arms 13 from the straps 12 and permit the separation of the shell and cap.

We claim as our invention—

1. In incandescent-lamp sockets, a cap and shell and means for fastening the same together, and means consisting of straps punched from one part, corresponding tongues cut from the other part, and means carried by said tongue to prevent the rotation of the parts after the tongues have entered the straps.

2. In incandescent-lamp sockets, a cap and shell and means for fastening the same together, and means consisting of interlocking straps and tongues borne on the respective parts, a projection on one tongue to act as a catch, and a corresponding hole in the part bearing the strap.

3. In incandescent-lamp sockets, a cap and shell and means for fastening the same together, said means consisting of straps punched from one part, tongues punched from the other part and interlocking with the straps on rotation of the parts when together, and a projection borne by one of the tongues to act as a catch in connection with one of the holes formed by the punching of the straps.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

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GILBERT W. GOODRIDGE.

Witnesses:

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