

J. G. PETERSON.
ELECTRIC LAMP SOCKET.
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966,239.

Patented Aug. 2, 1910.

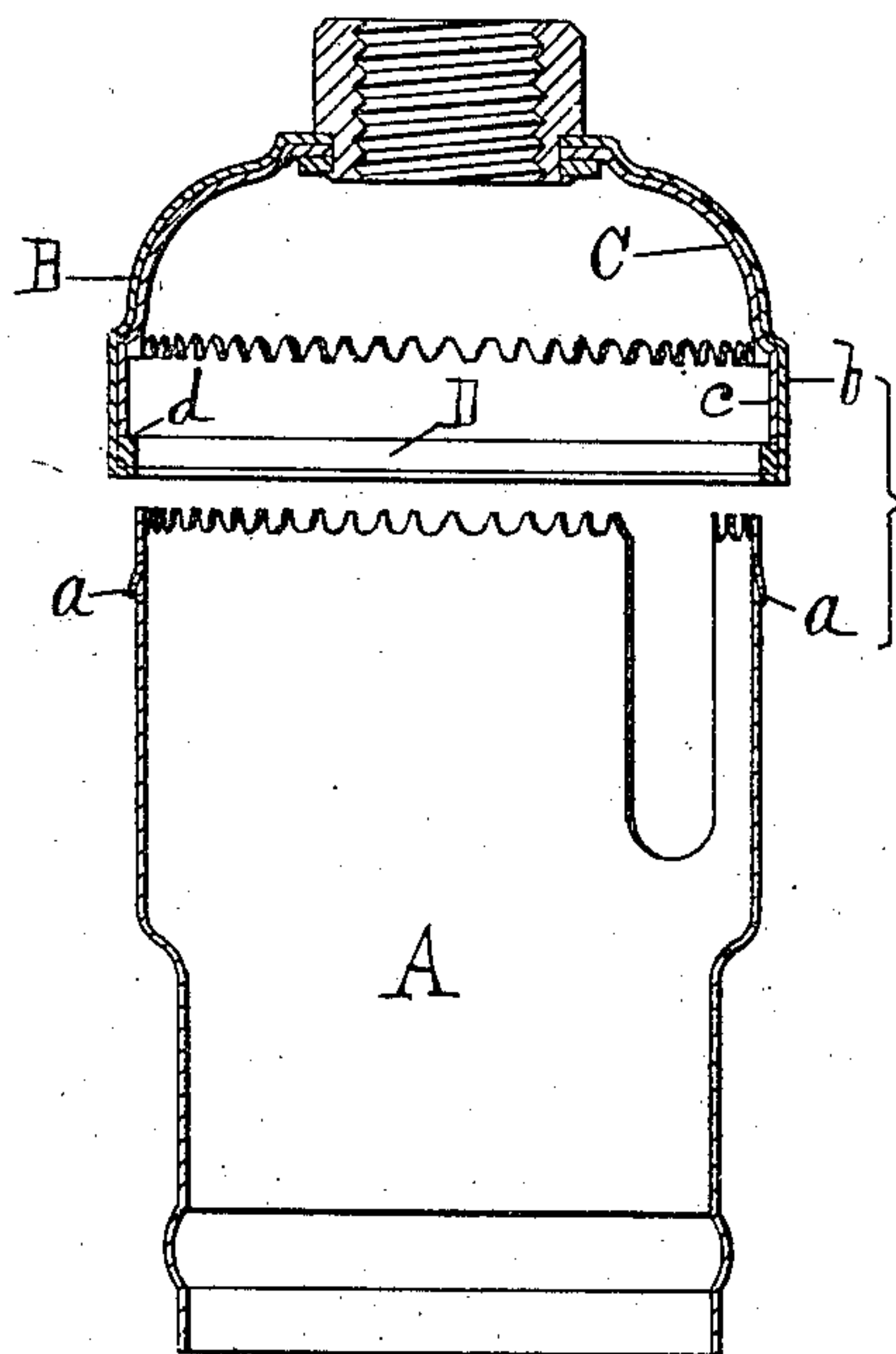


Fig. 1.

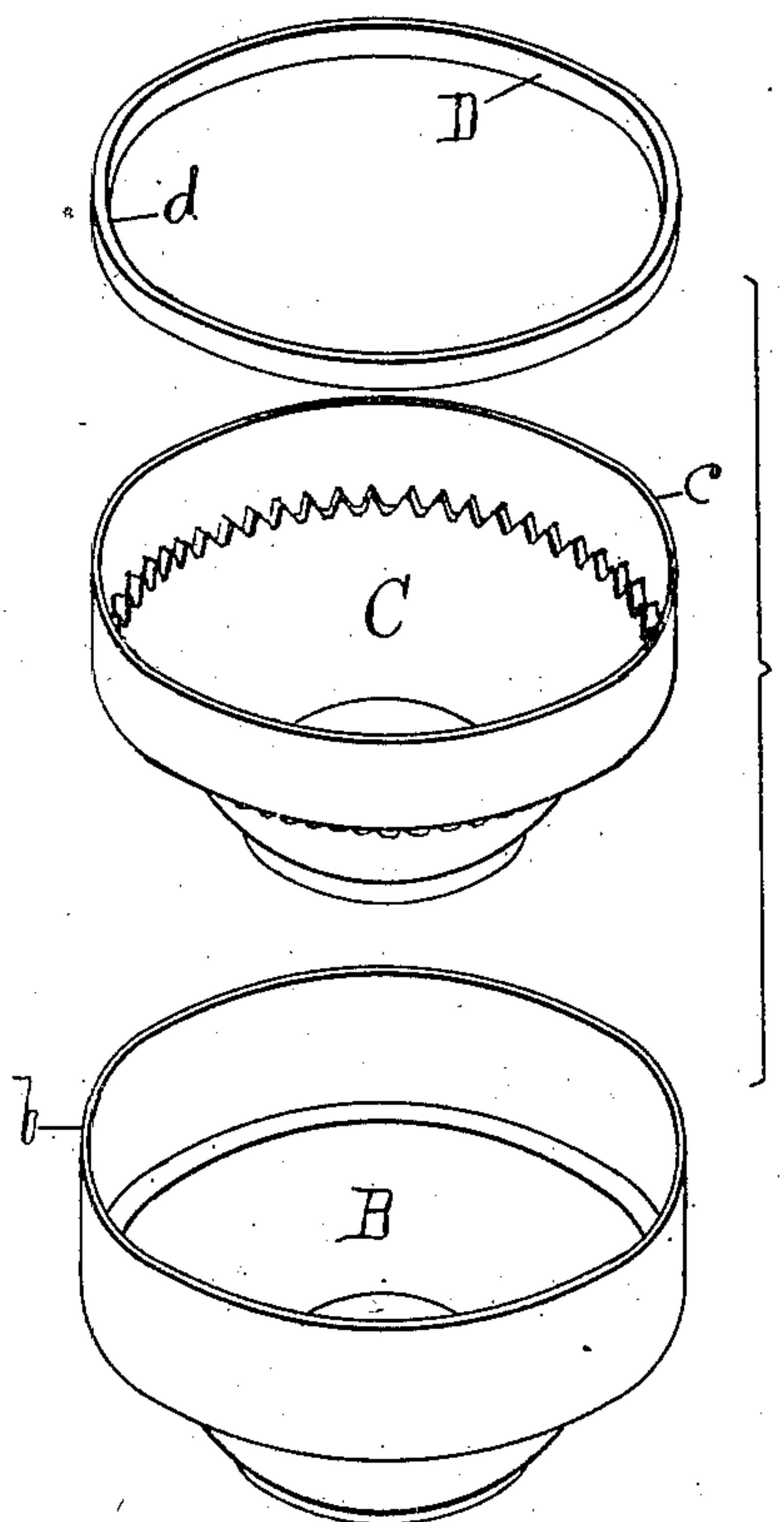


Fig. 2.

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UNITED STATES PATENT OFFICE.

JOHANN G. PETERSON, OF HARTFORD, CONNECTICUT, ASSIGNOR TO THE ARROW ELECTRIC COMPANY, OF HARTFORD, CONNECTICUT, A CORPORATION OF CONNECTICUT.

ELECTRIC-LAMP SOCKET.

966,239.

Specification of Letters Patent.

Patented Aug. 2, 1910.

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To all whom it may concern:

Be it known that I, JOHANN G. PETERSON, a citizen of the United States of America, residing in the city of Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Electric-Lamp Sockets, of which the following is a specification.

My invention relates to electric lamp sockets and particularly to the fastening means by which the customary shell and cap are secured together, the object of my invention being to provide an improved device for securing the parts together against endwise separation.

In the accompanying drawings, Figure 1 is a vertical section of a cap and shell embodying my invention; and Fig. 2 is a perspective of the cap inverted and with parts detached.

The fastening device illustrated is of the multi-catch type, comprising a shell A with its upper edge serrated to engage in the teeth of the cup C fastened in the cap B in the manner described in my Patent Number 947,123, thus preventing angular displacement of the parts with relation to each other.

The other element of the latching means, viz. that preventing endwise separation of the parts, forms the special subject of my present invention.

In my patent above mentioned it will be noted that these means comprise the bevel latching projections *a* struck from the shell which engage in the annular groove *e* formed in the skirt of the cap. It has been found in practice however that it is impossible to form this annular groove with a sufficiently sharp engaging edge or shoulder to enable the projections *a* to securely catch thereon, and to remedy this defect, in part at any rate, the catches *a* have been made so large, in order to get a grip, that they have been thereby very much weakened and consequently are readily torn off. To obviate these defects I now propose to secure within the skirt *b* of the cap a ring D with sharp engaging edge *d* over which the catches *a* in the shell A will latch when the

cap and shell are fitted together telescopically in the usual manner.

While this ring D may be secured in position in any suitable way, I have found a simple and effective means to be the extension of the cup C downward to form a short skirt *c* lying within the skirt *b* of the cap proper, which forms an abutment for the upper side of the ring D, while the latter is secured in this position by rolling over the lower edge of the skirt *b* beneath the lower face of the ring. The sharp engaging edge of this ring renders it possible to make the catches *a* on the shell much smaller than is necessary in the construction described in my patent above mentioned, thereby materially strengthening the latching means in this regard.

While my invention has been shown applied to a socket shell of the multi-catch type, it obviously is not limited to this form of engaging means but may be employed in connection with any suitable latching mechanism.

I claim as my invention:

1. An incandescent lamp socket comprising a shell, a cap with skirt fitting telescopically over said shell, a sharp edged ring secured within said skirt and means on said shell engaging over the sharp edge of said ring to prevent endwise separation of said parts, substantially as described.

2. An incandescent lamp socket comprising a shell, a cap with skirt fitting telescopically over said shell, a cup fitting within said cap and having a skirt of less length than that of the cap, in combination with a sharp edged ring abutting against the skirt of said cup on one side and means in connection with the skirt of said cap for engaging said ring on the other side, together with means on said shell engaging over the sharp edge of said ring to prevent endwise separation of said parts, substantially as described.

3. An incandescent lamp socket comprising a shell, a cap with skirt fitting telescopically over said shell, a cup fitting within said cap and having a skirt of less length than that of the cap, in combination with a

sharp edged ring abutting against the skirt
of said cup on one side, the lower edge of the
skirt on said cap being rolled over the lower
face of said ring whereby the latter is se-
5 cured in position, together with means on
said shell engaging over the sharp edge of
said ring to prevent endwise separation of
said parts, substantially as described.

In testimony whereof I have signed my
name to this specification, in the presence 10
of two subscribing witnesses.

JOHANN G. PETERSON.

Witnesses:

HERMAN T. HARTWIG.

EDWARD R. SONIR.