

No. 822,007.

PATENTED MAY 29, 1906.

N. MARSHALL.
INCANDESCENT LAMP SOCKET.
APPLICATION FILED APR. 22, 1904.

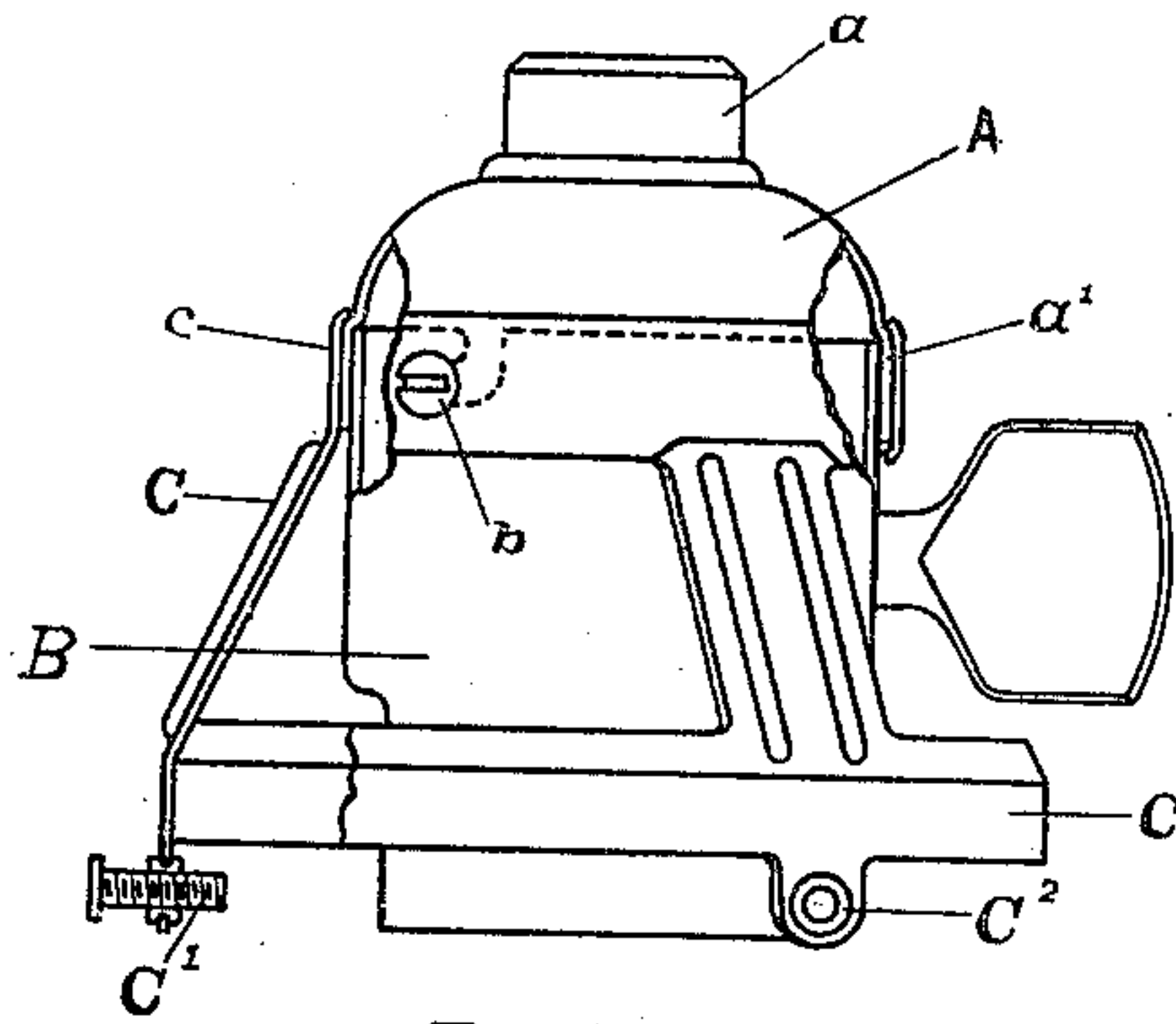


Fig. 1.

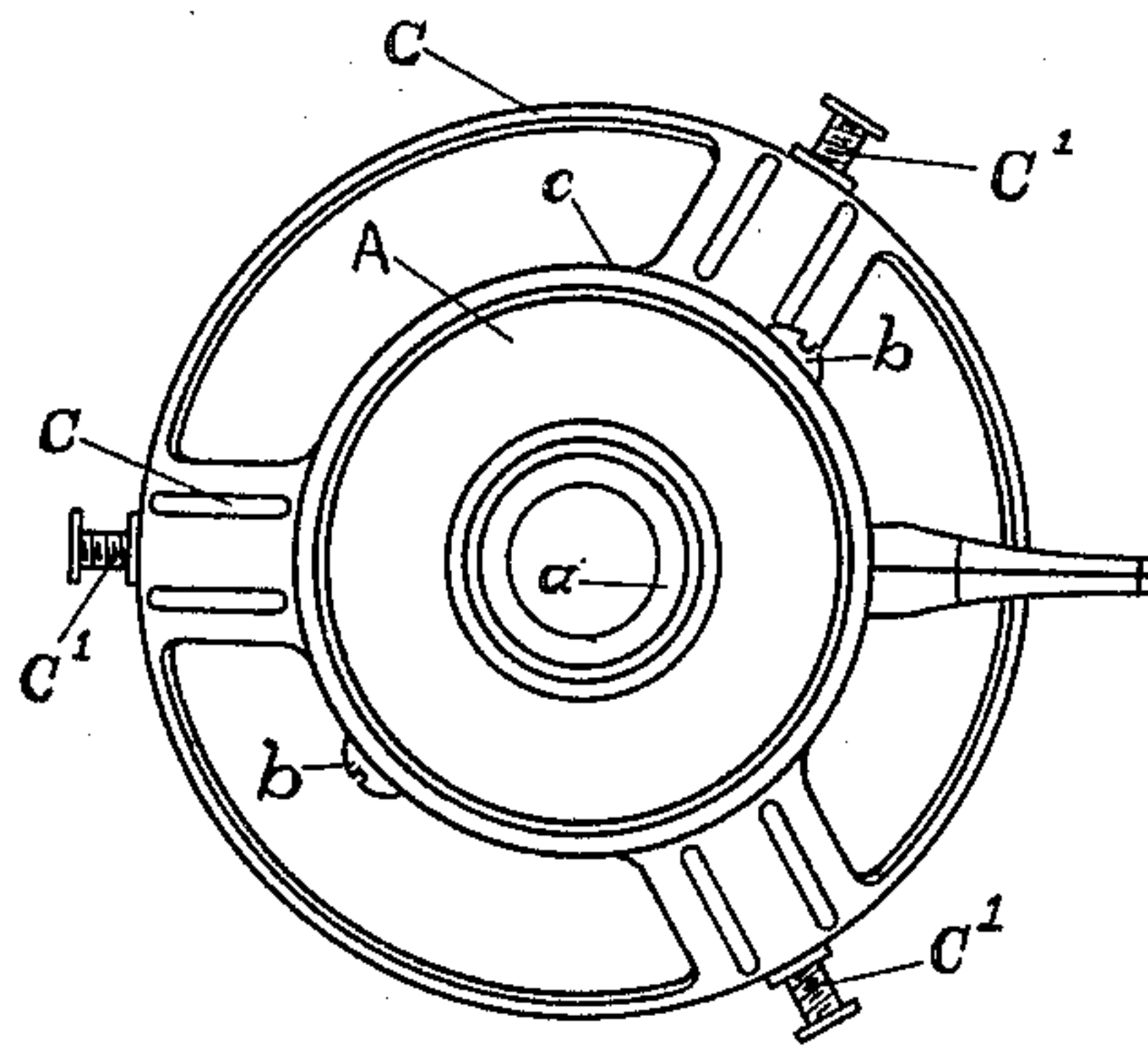


Fig. 2.

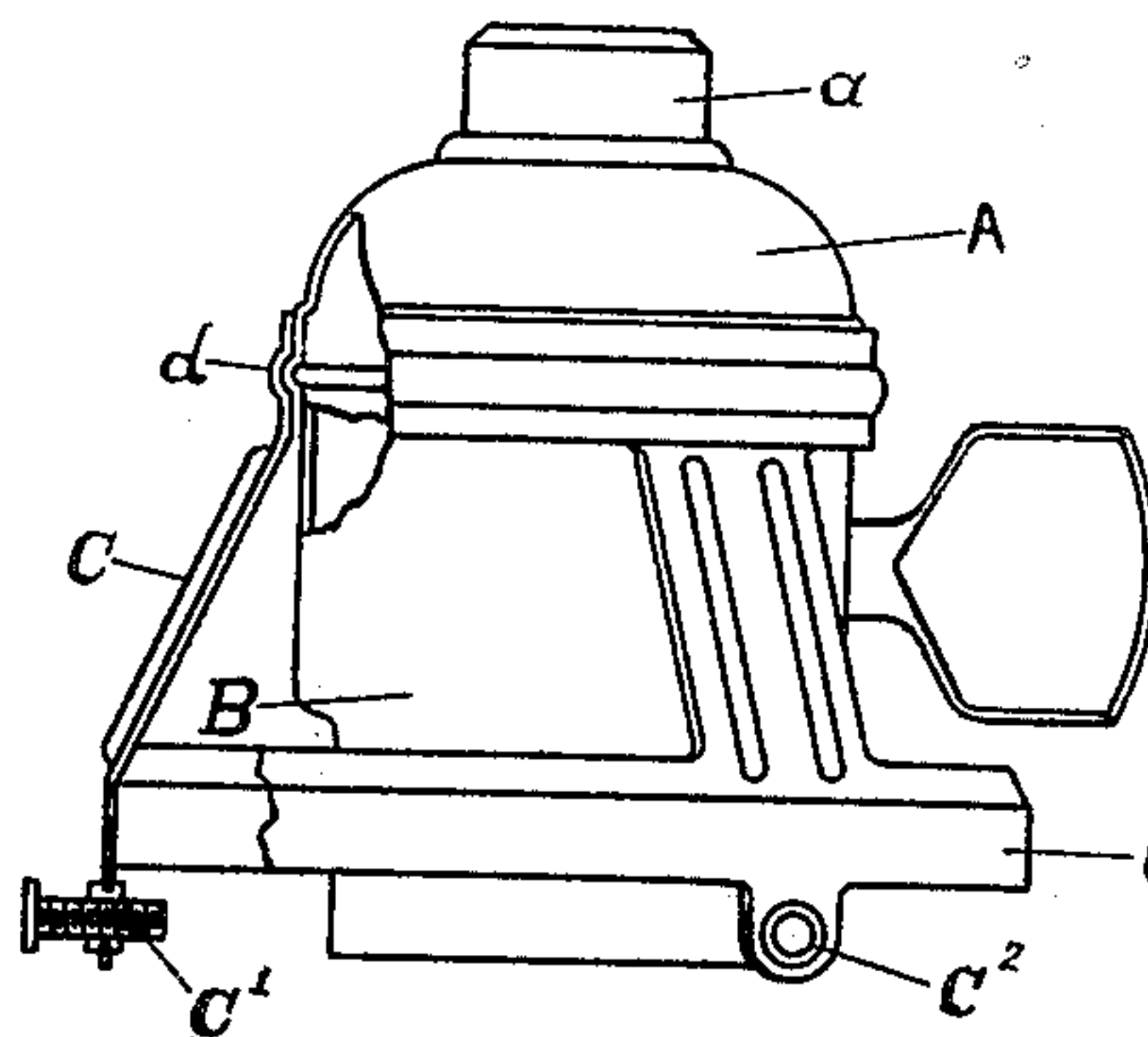


Fig. 3.

Witnesses
Nathaniel A. Dugan
Geo. N. Goddard

Inventor
Norman Marshall
By
Ira L. Fish
Attorney

UNITED STATES PATENT OFFICE.

NORMAN MARSHALL, OF NEWTON, MASSACHUSETTS.

INCANDESCENT-LAMP SOCKET.

No. 822,007.

Specification of Letters Patent.

Patented May 29, 1906.

Application filed April 22, 1904. Serial No. 204,419.

To all whom it may concern:

Be it known that I, NORMAN MARSHALL, of Newton, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Incandescent-Lamp Sockets, of which the following is a specification.

The invention relates to incandescent-lamp sockets in which the shade-holder forms a permanent part of the socket. Heretofore in such sockets the shade-holder has been formed on or permanently secured to the metallic shell, which forms the outer covering for the socket. It is the usual practice to connect this shell with the cap by which the socket is supported by connecting devices which allow the ready detachment of the shell from the cap and which do not rigidly secure the shell from displacement relative to the cap. It frequently happens, therefore, with the previous constructions, in which the shade-holder is secured to or formed on the shell, that the shell is moved out of alinement with the cap by the weight of the shade or by accidental striking against the shade. Such movement of the shell carries the shade, as well as the lamp carried by the socket, out of proper alinement or relation with the fixture to which the socket is secured.

It is the object of this invention to overcome this objectionable feature in the prior constructions, and this is accomplished by permanently securing the shade-holder to the cap by which the socket is attached to the fixture or support and which acts to support the shell and other parts of the socket. With the shade thus secured to the socket there is no danger that the shade will become displaced or be moved out of proper relation with the fixture to which the socket is secured.

The features of the invention will be understood from a detailed description of the socket shown in the accompanying drawings.

In the drawings, Figure 1 is an elevation of a socket embodying one form of the invention, parts being broken away and shown in section. Fig. 2 is a plan view of the same, and Fig. 3 is a detached detail showing a different manner of securing the shade-holder to the cap.

The socket shown in the accompanying drawings is provided with the usual metallic cap A, having an internally-screw-threaded boss *a*, by which the socket is secured to a fixture or support. The cap A is dome-shaped and is provided at its lower end with a cylindrical portion *a'*, which fits over the

upper end of the metallic shell B. The shell B is detachably secured to the cap A by the screws *b*, carried by the cap and engaging slots in the shell. The shade-holder is provided with a cylindrical annulus *c*, which fits about the cylindrical portion *a'* of the cap, and the shade-holder is permanently secured to the cap by spinning or bending the upper edge of the annulus *c* over the upper edge of the cylindrical portion *a'* and by spinning or bending the lower edge of the annulus over the lower edge of the cap. The shade is secured to the shade-holder by means of screws *c'*, extending through ears *c''*, which project downward from an annulus C. The annulus C is somewhat larger in diameter than the annulus *c* and is connected therewith by arms *C'*.

Instead of connecting the shade-holder to the cap by bending inward the edges of the annulus *c* the cap and shade-holder may be permanently connected together by grooving the parts, as indicated at *d* in Fig. 3, or the parts may be permanently secured together in any other suitable manner.

By permanently securing the shade-holder to the cap the shade is firmly and securely held in fixed relation with the cap, and since the cap is provided with means for securing the socket to the fixture the shade is held in fixed relation to the fixture without danger of displacement either by its own weight or by accidental shocks or jars.

What I claim, and desire to secure by Letters Patent, is—

1. An incandescent-lamp socket having in combination a cap provided with means for securing it to a fixture or support, a shell detachably connected with the cap and a shade-holder permanently secured to and forming a part of the cap, substantially as described.

2. An incandescent-lamp socket having in combination, a cap provided with means for securing it to a fixture or support and having a cylindrical portion, a shell fitting the cylindrical portion and detachably connected with the cap, a shade-holder having a part fitting the cylindrical part of the cap and permanently secured thereto, substantially as described.

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

NORMAN MARSHALL.

Witnesses:

IRA L. FISH,
KATHARINE A. DUGAN.