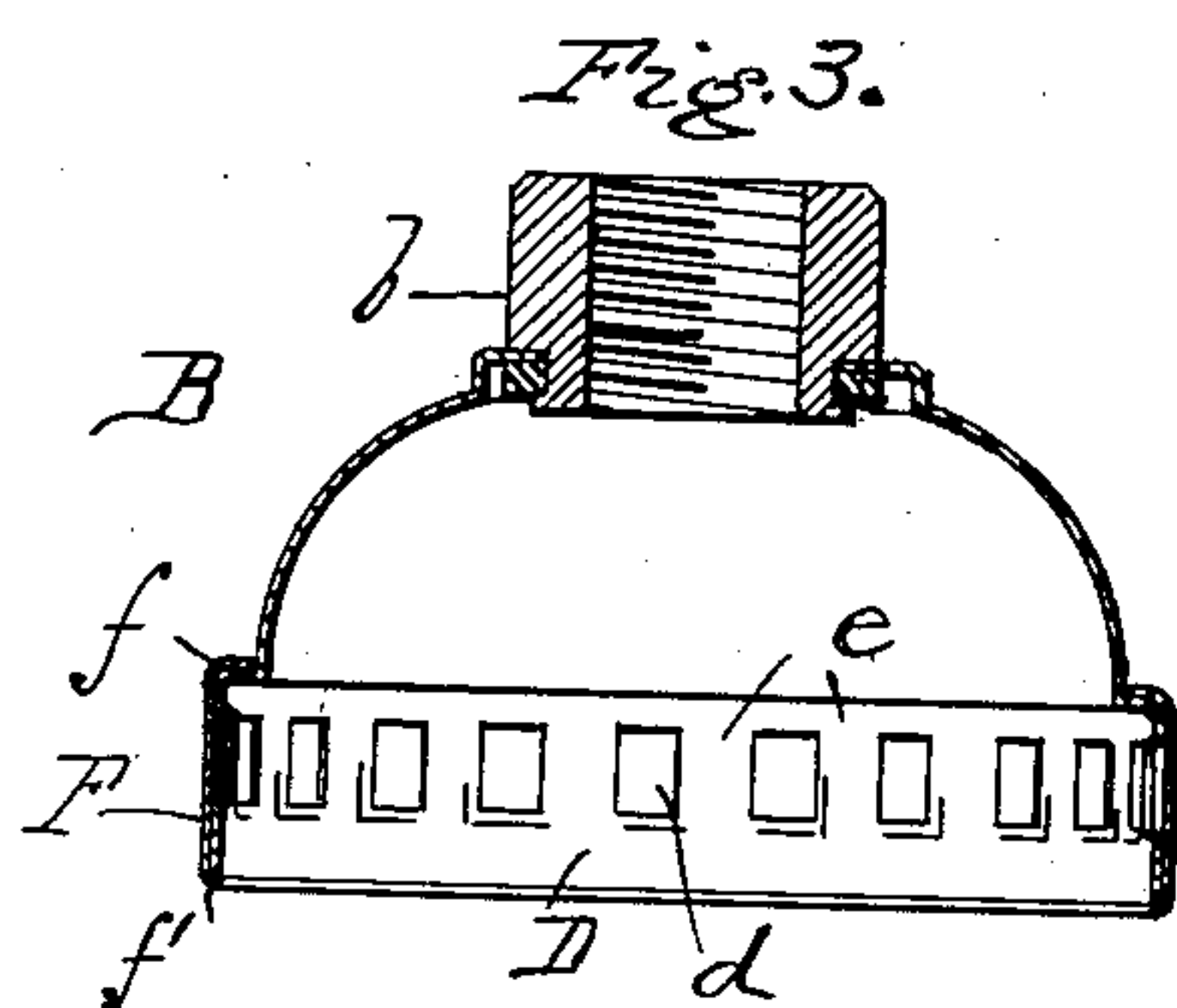
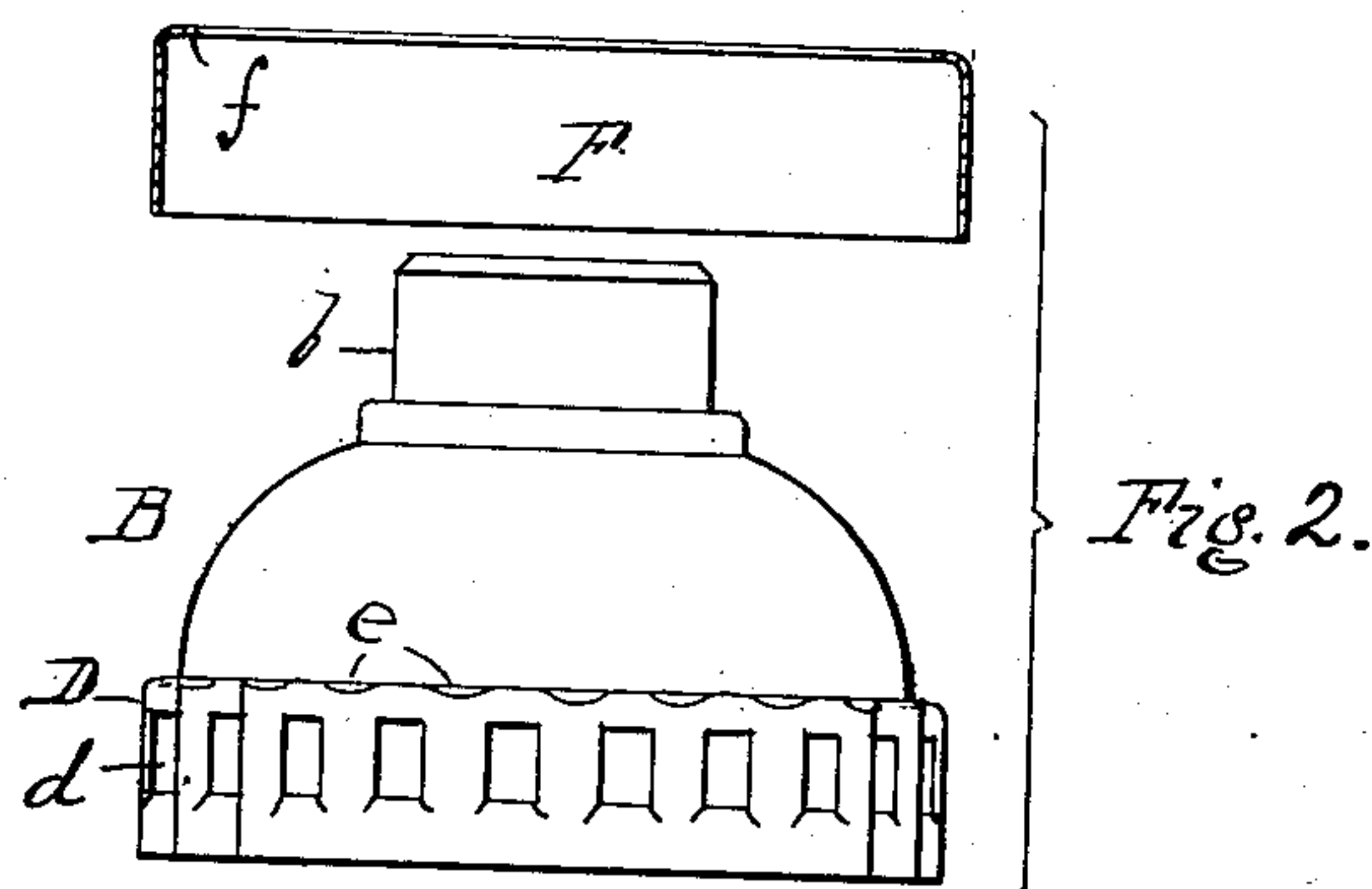
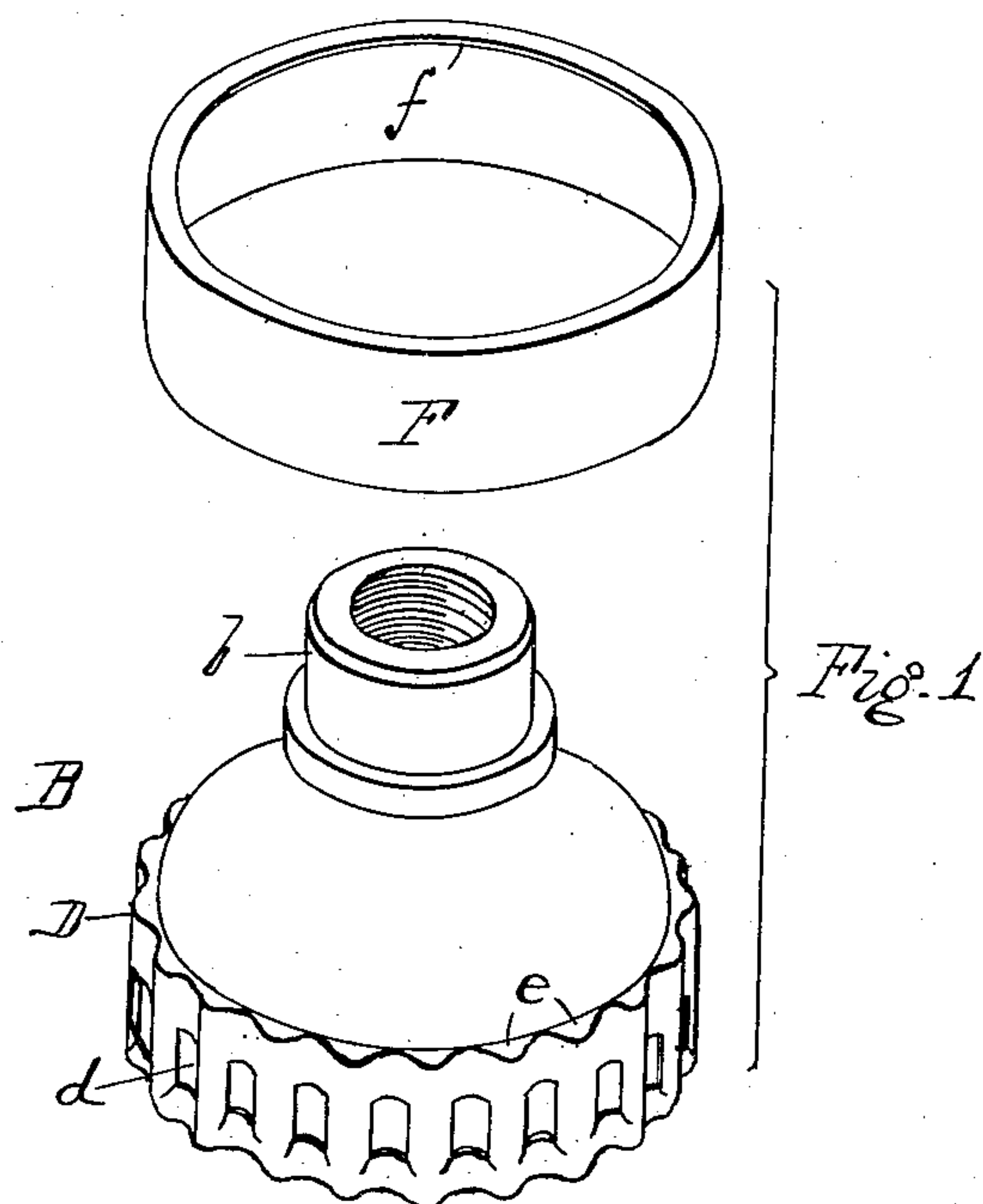


958,625.

G. W. GOODRIDGE.
ELECTRIC LAMP SOCKET CAP.
APPLICATION FILED OCT. 20, 1908.

Patented May 17, 1910.



WITNESSES

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UNITED STATES PATENT OFFICE.

GILBERT W. GOODRIDGE, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO THE BRYANT ELECTRIC COMPANY, OF BRIDGEPORT, CONNECTICUT, A CORPORATION OF CONNECTICUT.

ELECTRIC-LAMP-SOCKET CAP.

958,625.

Specification of Letters Patent.

Patented May 17, 1910.

Application filed October 20, 1908. Serial No. 458,653.

To all whom it may concern:

Be it known that I, GILBERT W. GOODRIDGE, a citizen of the United States of America, and residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented a certain new and Improved Electric-Lamp-Socket Cap, of which the following is a specification.

My invention has particular reference to the sockets for incandescent electric lamps of the character forming the subject of my Letters Patent No. 879,819, dated February 19, 1908, and No. 872,283, dated November 26, 1907. In the preferred forms of those sockets the flanges of the caps are each provided with a large number of symmetrically arranged openings to cooperate with engaging means on the shell, and as shown in my Patent 872,283, the flange of the cap is preferably also corrugated longitudinally of its axis in proportion to the number of openings therein.

The main object of my present invention is to so construct a cap of this character that it will be stronger and more rigid than the old style caps, and easier to finish and polish in manufacture and yet possess all the advantages growing out of the use of my said patented inventions. This object I attain as hereinafter described.

In the accompanying drawing Figure 1 is a perspective view showing two parts of my cap before they are put together; Fig. 2 is a view of the same two parts before being put together, the cap being in outside view and the ring in section; Fig. 3 is a sectional view of the finished cap.

B is the cap with any usual or suitable nipple *b* and having a flange D with a large number of symmetrically arranged holes *d* through its walls. In the particular construction illustrated the flange D is also corrugated parallel with the axis of the cap,

the number of corrugations *e* being proportional to the number of openings *d*. I provide a smooth ring F with a narrow rim or flange *f* at its upper edge to fit closely over the perforated flange of the cap, the rim *f* fitting over the annular shoulder above the corrugations where the flange joins the dome of the cap. This ring F is made just sufficiently longer than the flange D to permit its lower edge to be then turned at *f*¹ under the rim of the cap flange D and be thereby firmly secured in place, so that the smooth ring not only completely incloses the corrugations and openings in the flange but also bears against and supports the corrugations. Thus a cap is produced which is exceedingly strong and rigid in its flange and at the same time a smooth outer surface is presented which is much easier to finish and polish than the corrugated or even perforated flange. At the same time, I am enabled to retain the advantages of the constructions of my former patents.

I claim as my invention—

1. An electric lamp socket cap, having a flange with numerous perforations and corrugations and a smooth inclosing ring secured over the said perforations and corrugations and bearing against and supporting the latter.

2. An electric lamp socket cap, having a flange with numerous corrugations and perforations and a smooth inclosing ring with a rim at one edge fitting over the shoulder above the corrugations and its other edge turned under the rim of the cap flange.

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

GILBERT W. GOODRIDGE.

Witnesses:

A. H. JONES,

H. W. GOLDSBOROUGH.