

(No Model.)

C. T. HOLLOWAY.  
ELECTRIC LAMP.

No. 256,690.

Patented Apr. 18, 1882.

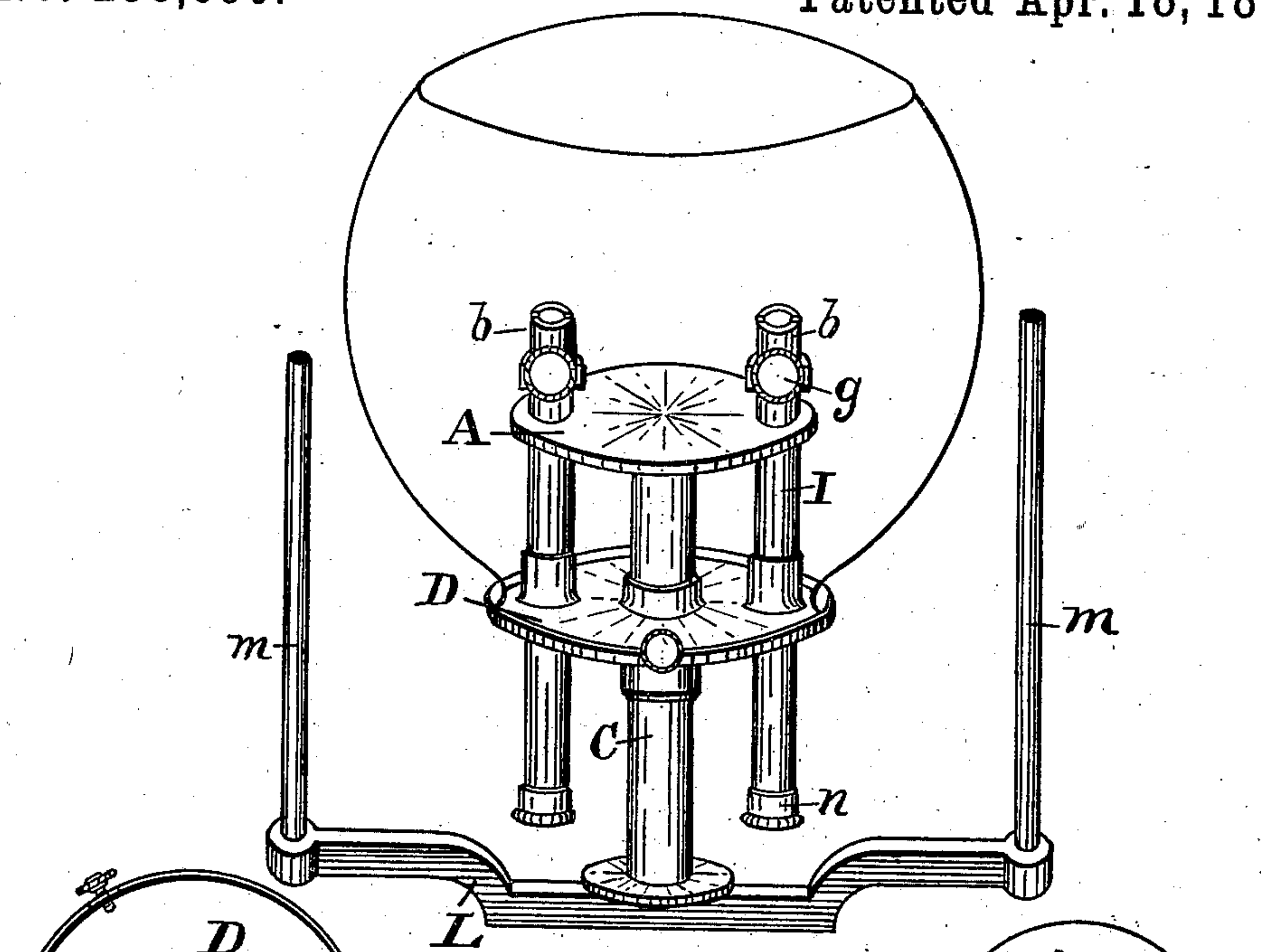


Fig. 1.

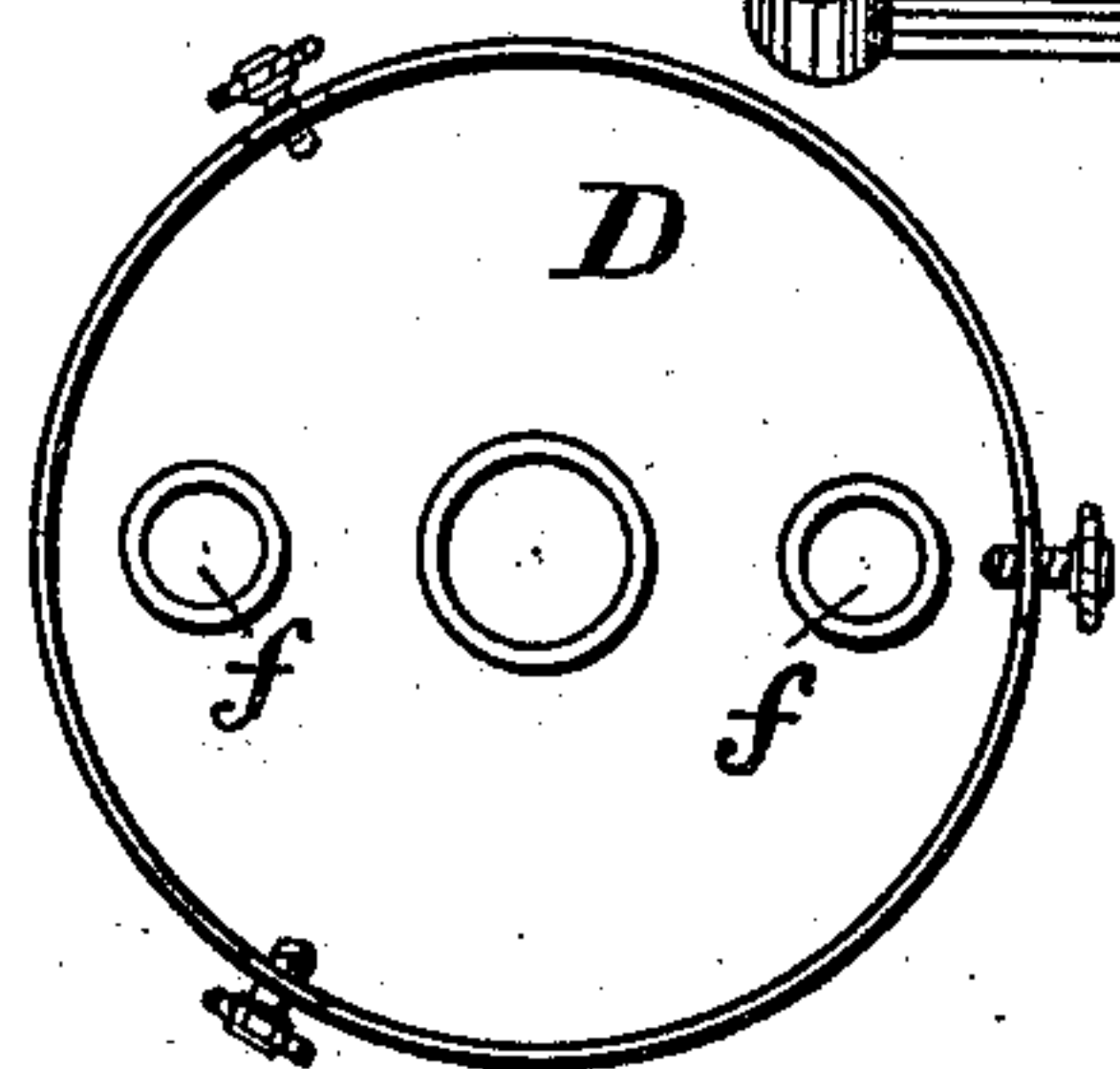


Fig. 4.

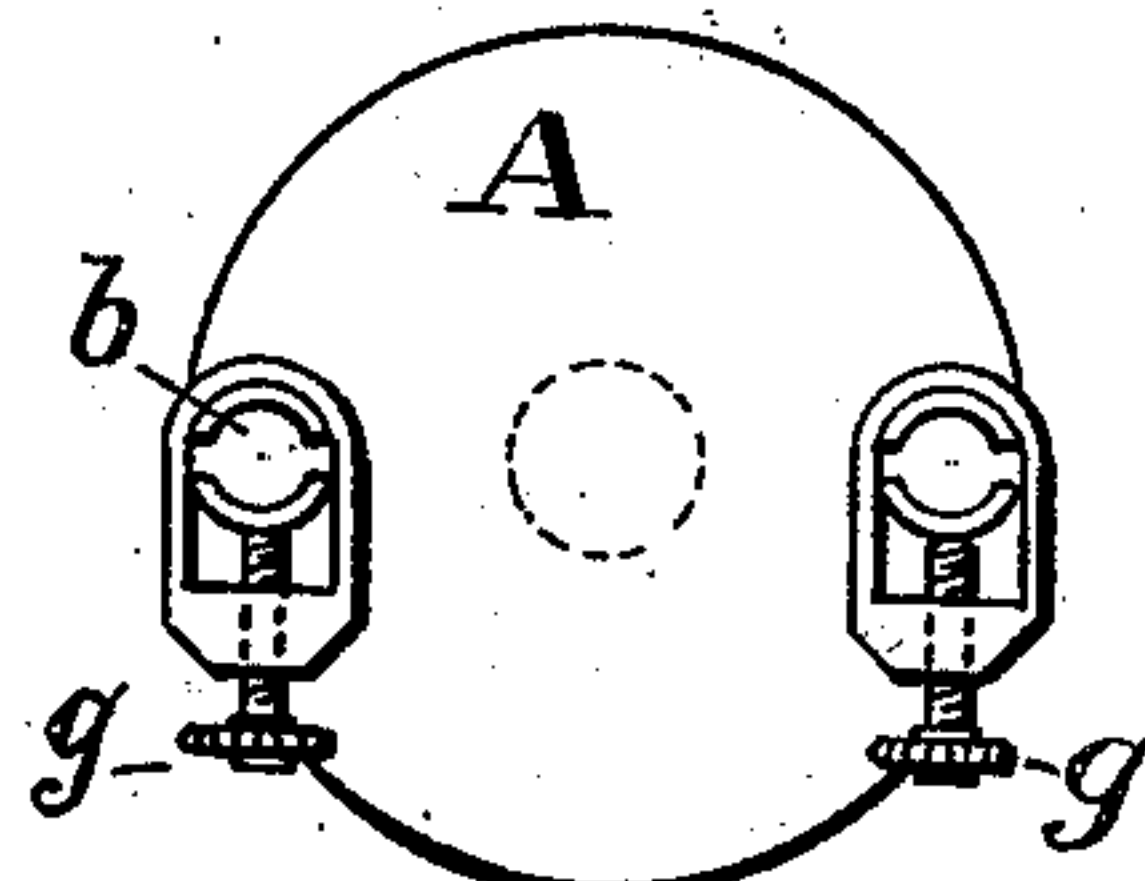


Fig. 3.

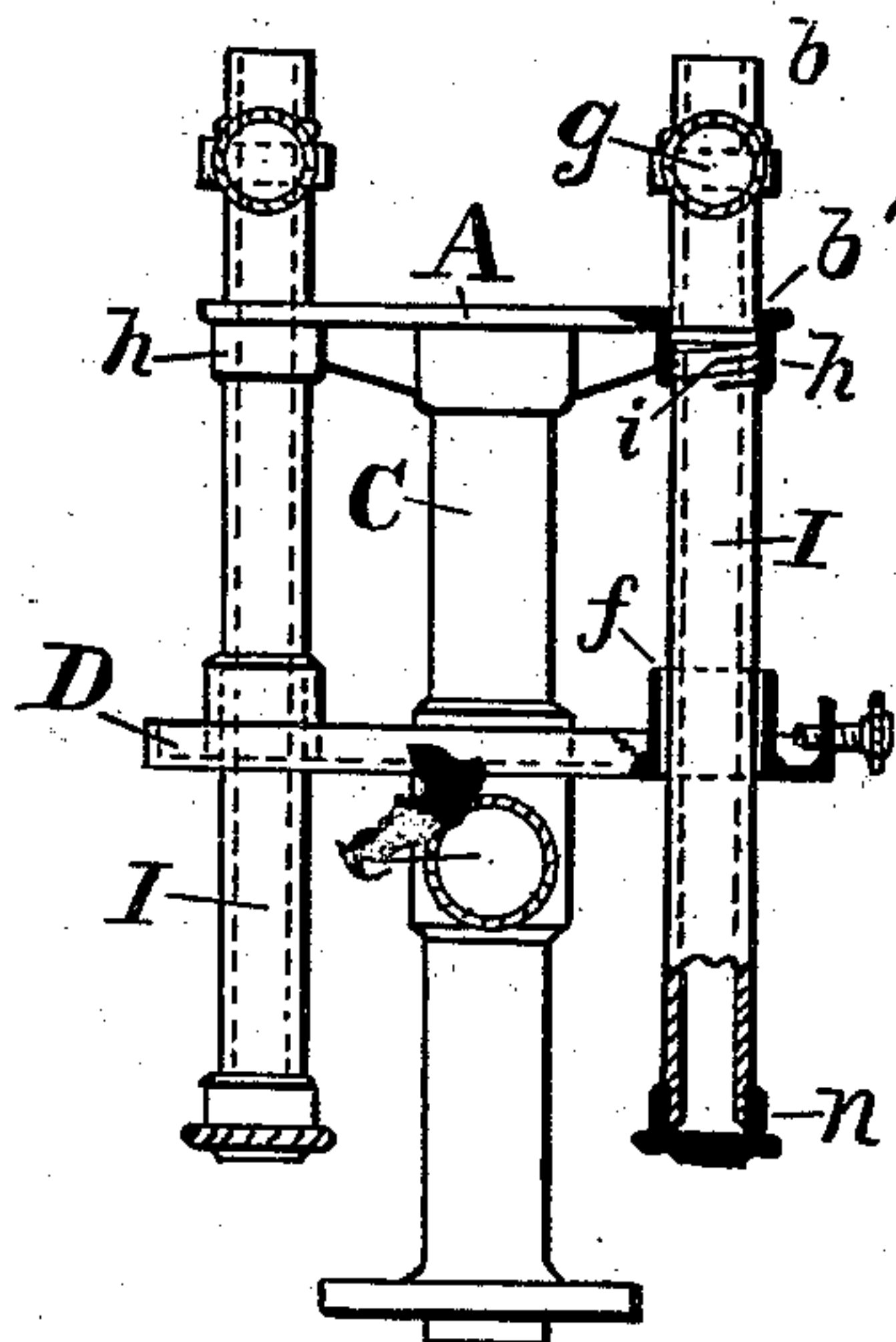


Fig. 2.

Witnesses:  
John E. Morris.  
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By his Atty.  
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# UNITED STATES PATENT OFFICE.

CHARLES T. HOLLOWAY, OF BALTIMORE, MARYLAND.

## ELECTRIC LAMP.

SPECIFICATION forming part of Letters Patent No. 256,690, dated April 18, 1882.

Application filed February 25, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES T. HOLLOWAY, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Electric Lamps, of which the following is a specification, reference being had therein to the accompanying drawings.

The object of my invention is to provide means for protecting the carbons used in electric lamps, and will first be described, and then designated in the claim.

In the drawings hereto annexed, Figure 1 is a view of a lamp with my invention applied. Fig. 2 is a view of same with certain parts in section to show the connection of the attached safety-tube. Fig. 3 is a plan view of the plate to which the carbon-holders are attached. Fig. 4 is a view of the globe-holder.

The letter A designates a plate or disk, to and above which the usual clamping carbon-holder, *b*, is secured, a hole, *b'*, being provided through the plate for the passage of the stick of carbon. C is the stem which supports the disk, and D the adjustable globe-holder adapted to be moved vertically on the stem, and provided with a set-screw, *e*, by which it is retained at any desired point. One or more holes, *f*, are formed in the globe-holder.

As ordinarily employed, the stick of carbon is secured in the carbon-holder *b* and passes down through the hole *f* in the globe-holder, below which latter it depends. In practice the carbons are readjusted in the holders or new carbons supplied every day, and it sometimes happens that, in consequence of the clamp *g* of the carbon-holder not being tightened so as to grasp the carbon firmly, the stick of carbon will, while burning, drop out of the holder. In this way fires are sometimes occasioned by the burning stick of carbon falling upon goods in stores, &c. To prevent

this I provide the plate A upon its lower side with a boss, *h*, to surround the hole *b'*. A metal tube, I, has threads *i* upon its upper end to screw into the boss *h*. This tube is thereby made fast to the plate A just below the carbon-holder, and the stick of carbon, which extends below the plate, is inclosed by the tube. As the tube extends straight below and parallel with the stem C, it may have position so that the hole *f* of the globe-holder D will provide for its passage, and said globe-holder may readily be raised or lowered on the said stem. In lamps of this class the stem C, on which the globe-holder moves vertically, is supported by a cross-bar, L, each of whose ends is attached to an upright rod, *m*, by which the lamp is suspended. The lower end of the metal tube is entirely closed by a solid or imperforate cap, *n*, which effectually prevents the stick carbon from falling, even though the clamp of the carbon-holder should permit the carbon to slip. The tube therefore constitutes a safety attachment.

Any pieces of carbon which may drop into the tube may be removed by detaching the cap, which in the present instance is screw-threaded.

Having described my invention, I claim and desire to secure by Letters Patent of the United States—

In an electric lamp, the combination of a plate supported by a stem, a clamping carbon-holder above the plate, a metal tube under the plate and just below the carbon-holder, and a globe-holder to move vertically on the stem, and with a hole to provide for the tube, as and for the purpose set forth.

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

CHAS. T. HOLLOWAY.

Witnesses:

JNO. T. MADDOX,  
CHAS. B. MANN.