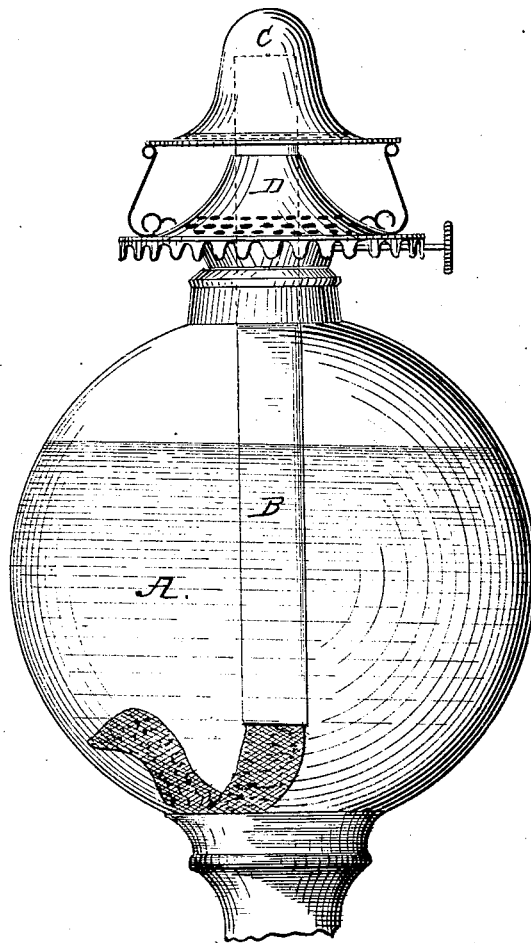


G. LUPTON.
Lamp Burner.

No. 110,055.

Patented Dec. 13, 1870.



Witnesses
John Pollitt
Louis A. Payson

Inventor
George Lupton

United States Patent Office.

GEORGE LUPTON, OF INDIANAPOLIS, INDIANA.

Letters Patent No. 110,055, dated December 13, 1870; antedated November 26, 1870.

IMPROVEMENT IN LAMP-BURNERS.

The Schedule referred to in these Letters Patent and making part of the same.

I, GEORGE LUPTON, of Indianapolis, in the county of Marion and State of Indiana, have invented certain Improvements in Lamp-Burners, of which the following is a specification.

This invention relates to lamp-burners; and

It consists in a burner for the above purpose, constituting a new article of manufacture, the peculiarities of which are that it consists of a tube for encircling the wick which extends downward to near the bottom of the oil-reservoir; a screw-cap for securing it upon the socket of the lamp; a device for raising the wick; and two concavo-convex cones, the interior polished surface of the upper one acting as a deflector of the rays of light to throw them downward upon the upper surface of the lower one, by which they are reflected into the room in which the lamp is placed, as will be more fully explained hereinafter.

General Description.

A is the fountain containing the oil or other burning fluid, constructed in the usual manner.

B is a wick-tube of the ordinary size, but of such a length that it extends nearly to the bottom of the fountain when the burner is attached to the lamp.

C is the deflecting cone, which may be made in any of the known forms, but which is to have both its inner and outer surfaces polished, so that its inner surface shall act as a deflector of the rays of light, and cause them to impinge upon the upper surface of the

lower cone, while its upper surface acts only as a reflector of the rays of light which pass from the flame above such cone.

D is the lower cone, the upper surface of which is to be polished in order that the rays of light which are deflected upon it by the interior surface of the upper cone may be reflected outward into the room.

The arrangement of these cones with reference to each other and to the wick-tube is shown in the drawing.

I prefer to make the above-described cones of speculum or other white metal, but they may be made of brass and plated with silver or any other metal capable of receiving a high polish.

Claim.

Having thus described my improvement,
What I claim, and desire to secure by Letters Patent, is—

A new article of manufacture, consisting of a lamp-burner, constructed as herein described, that is, with a tube for the wick extending to near the bottom of the oil-reservoir, a cap for securing the same to the lamp, a device for raising the wick, and two cones for deflecting and reflecting the rays of light, as and for the purpose set forth.

GEORGE LUPTON.

Witnesses:

JAMES S. GRINNELL,
HENRY N. MYGATT.