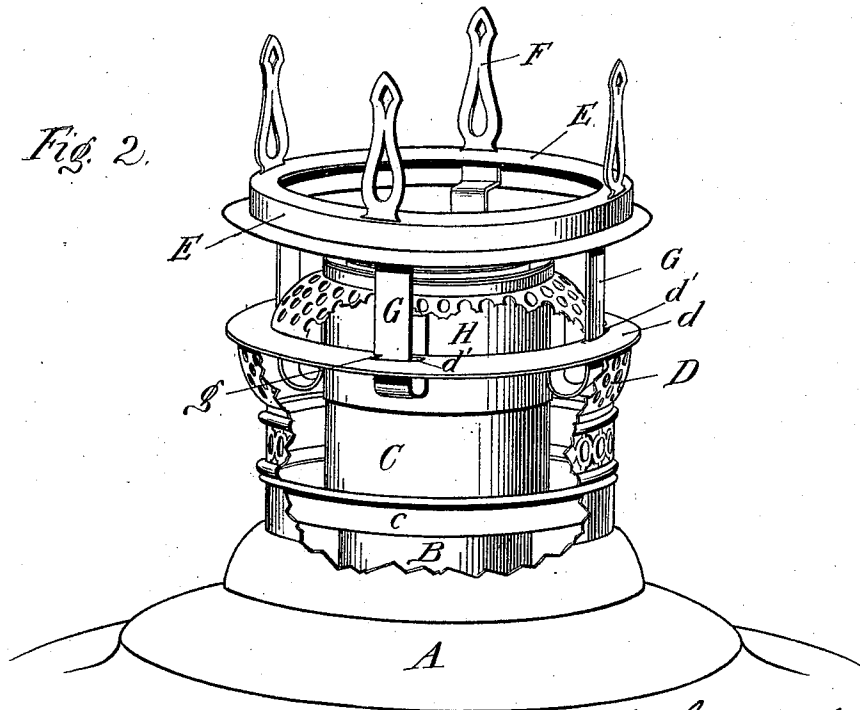
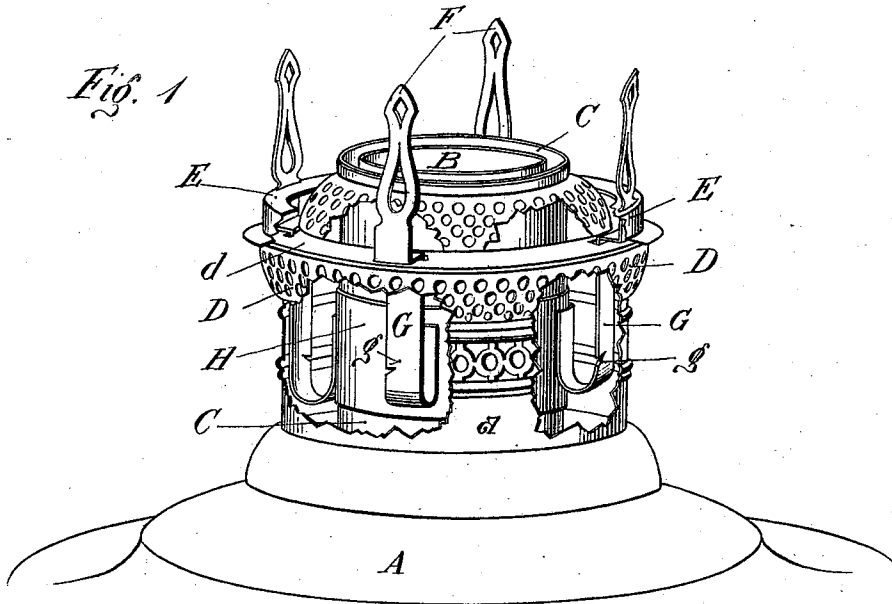


(No Model.)

F. T. WILLIAMS.
ARGAND LAMP.

No. 499,273.

Patented June 13, 1893.



WITNESSES
H. C. Smith
A. E. Miller.

BY

Frank Theodore Williams
INVENTOR
Geo. H. Cooper
ATTORNEY

UNITED STATES PATENT OFFICE.

FRANK THEODORE WILLIAMS, OF MERIDEN, CONNECTICUT, ASSIGNOR TO
THE EDWARD MILLER & COMPANY, OF SAME PLACE.

ARGAND LAMP.

SPECIFICATION forming part of Letters Patent No. 499,273, dated June 13, 1893.

Application filed March 6, 1893. Serial No. 464,716. (No model.)

To all whom it may concern:

Be it known that I, FRANK THEODORE WILLIAMS, a citizen of the United States, residing at Meriden, New Haven county, Connecticut, have invented a new and useful Improvement in Argand Lamps, of which the following is a specification.

My invention relates to that form of Argand lamps in which the chimney gallery is made vertically adjustable for convenience in lighting. It is intended to simplify and cheapen the means required and to secure stability in the elevated position.

In the accompanying drawings which represent so much of an Argand lamp as is necessary to exhibit my invention partly broken away to discover the interior mechanism, Figure 1 shows the device in its closed, and Fig. 2 in its operative or raised position.

The same letters refer to like parts in both views.

A designates a lamp fount; *a*, a collar on the fount A; B, an inner, C, an outer wick tube; *c*, a flange on the tube C; D, a foraminous skirt provided with a horizontal flange *d* through which are pierced apertures *d'*; E, a chimney gallery; F, a chimney holding spring; G, a post; *g*, a notch in the post G; H, a sleeve or guide.

In the example of my invention illustrated in the drawings, the fount A, collar *a*, inner tube B, outer tube C and flange *c* may be of usual or convenient form. As shown the flange *c* fits within the collar *a* and is secured by the ordinary bayonet joint. The foraminous skirt D is formed at its lower edge with an imperforate cylindrical portion adapted to fit within the flange *c* and to be secured therein. Through the horizontal flange *d* of the skirt D are pierced apertures *d'*, the function of which will hereinafter appear. The chimney gallery E is adapted to rest upon the flange *d* of the skirt D. It is provided with the ordinary chimney holding springs F. To the gallery E are attached posts G which passing downward through the apertures *d'* are secured at their lower ends to the sleeve H. This sleeve or guide H is of an interior diameter corresponding to the exterior diameter of the tube C so as to slide freely thereon. In

each of the posts G and relatively near its lower end is cut at one side a notch *g*. The upper edge of the notch *g* is flat and adapted to rest upon the upper surface of the flange *d* when the gallery E is raised and slightly rotated in a horizontal direction.

The operation of my device will be readily understood from an inspection of the drawings. The outer tube C being locked into position on the fount A the skirt D is secured in place, the sleeve H being passed over the tube C. The lamp chimney and if desired a shade holder may be placed in position on the chimney gallery E. When it is desired to light the lamp the gallery with its supported chimney is raised vertically by the operator until the upper edges of the notches *g* are just above the horizontal flange or deck *d* of the skirt D. The gallery E is then given a very slight rotation so as to engage the notches *g* with the flange *d* where it will be securely supported. After lighting the lamp, by slightly rotating the gallery E it may be lowered into place. It is clear that the gallery E is guided in its rotation both by the guide H moving on the tube C and by the posts G passing through the apertures *d'*.

I have shown the posts G as integral with the chimney holding springs F, but this, while often advantageous is plainly non-essential to my invention. It is also clear that other mechanical alterations may be made without departing from my invention.

What I claim as my invention, and desire to secure by Letters Patent of the United States, is as follows:

1. In an Argand lamp in combination, an outer wick tube, a foraminous skirt surrounding said tube, a guide on said tube, a chimney gallery and a plurality of posts secured at their lower ends to said guide and at a point nearer their upper ends to said chimney gallery each of said posts being provided with a lateral opening or notch adapted to engage with said foraminous skirt to retain said chimney gallery in its raised position, substantially as described.

2. In an Argand lamp in combination an outer wick tube, a foraminous skirt surrounding said tube, a plurality of apertures in said

- skirt, a guide on said tube, a chimney gallery and a plurality of posts secured at their lower ends to said guide and at a point nearer their upper ends to said chimney gallery each of
5 said posts passing through one of said apertures and being provided with a lateral opening or notch adapted to engage with said skirt to retain said gallery in its raised position, substantially as described.
- 10 3. In an Argand lamp in combination an outer wick tube, a foraminous skirt surrounding said tube, a guide on said tube, a chimney gallery, a plurality of posts secured at their
lower ends to said guide and at a point nearer their upper ends to said chimney gallery each
15 of said posts being provided with a lateral opening or notch adapted to engage with said foraminous skirt to retain said chimney gallery in its raised position and a plurality of chimney holding springs said springs being
20 integral with said posts, substantially as described.

FRANK THEODORE WILLIAMS.

Witnesses:

GEO. L. COOPER,

NORMAN E. SMITH.