

(No Model.)

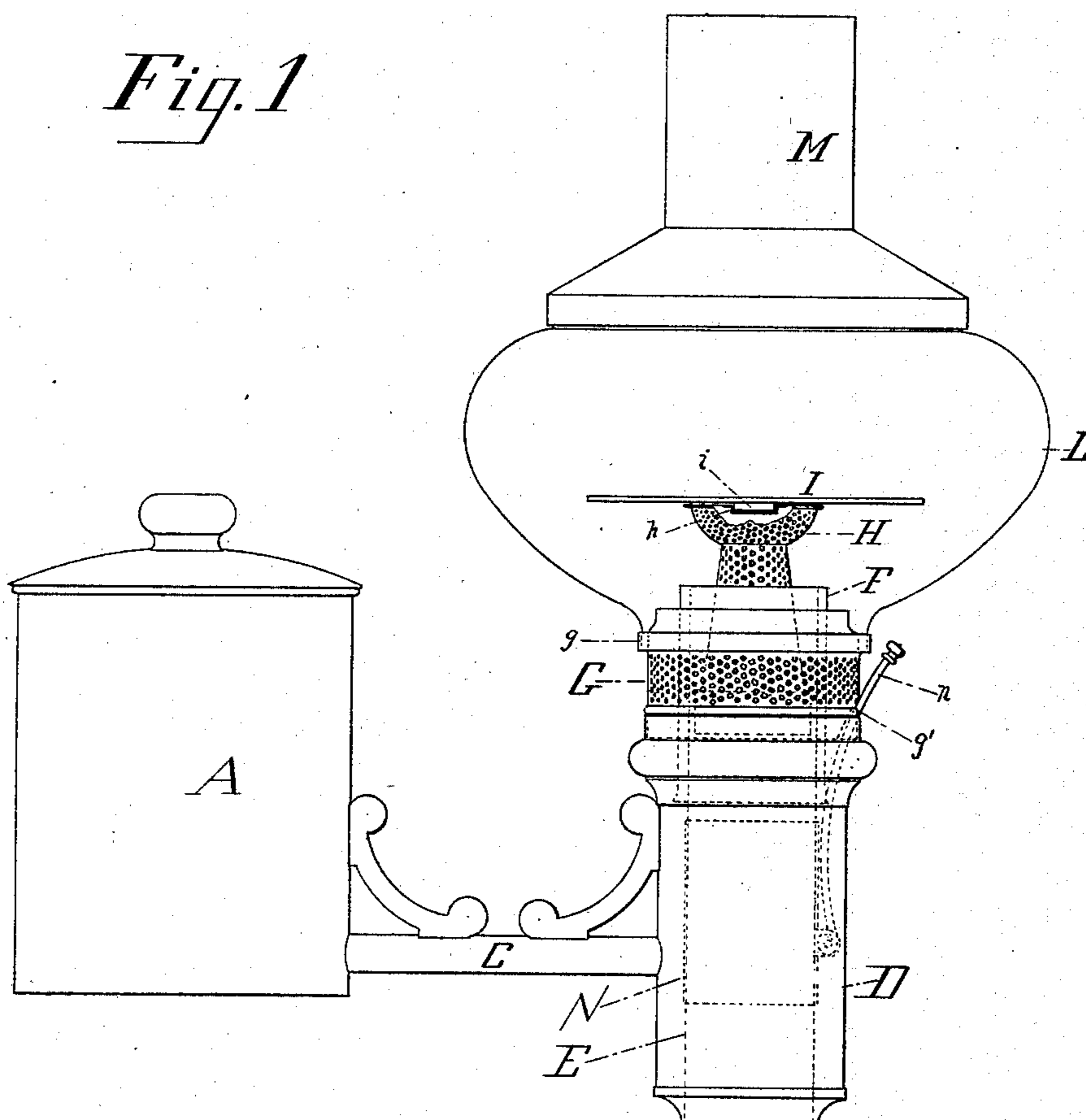
2 Sheets—Sheet 1.

F. RHIND.
CENTRAL DRAFT LAMP.

No. 388,445.

Patented Aug. 28, 1888.

Fig. 1



WITNESSES,

J. J. Raby.
J. B. Miller.

Frank Rhind.

INVENTOR.

per Geo. L. Cooper. Atty.

(No Model.)

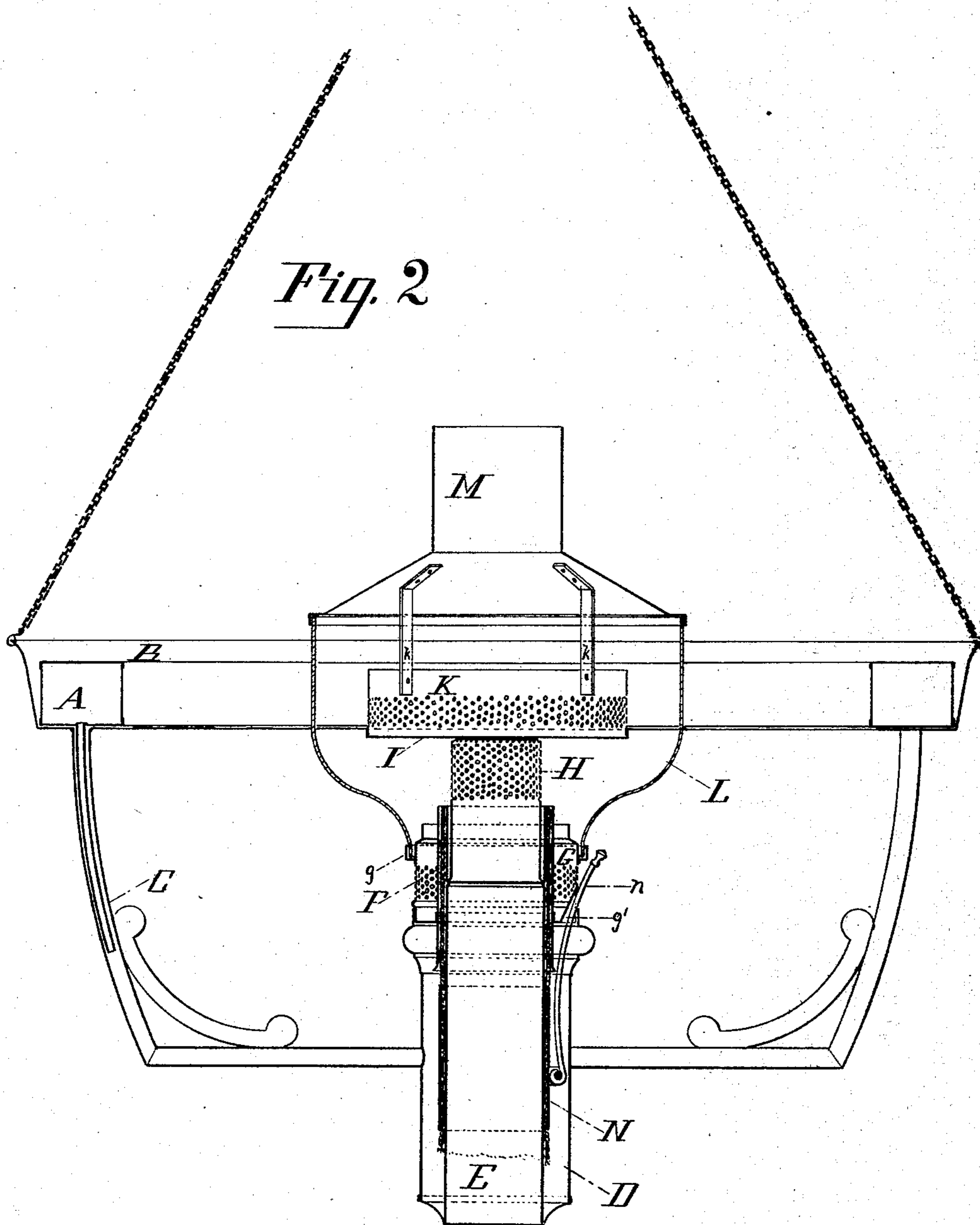
2 Sheets—Sheet 2.

F. RHIND.
CENTRAL DRAFT LAMP.

No. 388,445.

Patented Aug. 28, 1888.

Fig. 2



WITNESSES,

S. J. Raby.
J. B. Moller.

Frank Rhind.

INVENTOR.

per Geo. H. Cooper. Atty.

UNITED STATES PATENT OFFICE.

FRANK RHIND, OF MERIDEN, CONNECTICUT, ASSIGNOR OF ONE-HALF TO
EDWARD MILLER & COMPANY, OF SAME PLACE.

CENTRAL-DRAFT LAMP.

SPECIFICATION forming part of Letters Patent No. 388,445, dated August 28, 1888.

Application filed January 23, 1888. Serial No. 261,622. (No model.)

To all whom it may concern:

Be it known that I, FRANK RHIND, a citizen of the United States, residing at Meriden, Connecticut, have invented a new and useful Improvement in Central-Draft Lamps, of which the following is a specification.

My invention relates to that class of central-draft or Argand lamps in which the wick is encircled by or encircles a vertically-movable sleeve to which is attached a draw-bar or handle, which passes out of the top of the fount, and is intended to simplify and cheapen the construction of such lamps.

In the accompanying drawings, Figure 1 represents in elevation a bracket-lamp embodying my improvement; Fig. 2, in vertical section, a hanging lamp, showing a modification of my invention.

Similar letters refer to like parts in both views.

A designates an oil-reservoir; B, Fig. 2, a shade band; C, a connecting-tube between the reservoir A and lamp body or fount D; E, an inner, F, an outer, concentric wick-tube; G, a detachable portion of the lamp-burner; *g*, a chimney-gallery on the portion G; *g'*, a notch or recess at the lower edge of the detachable portion G; H, a perforated inner air-distributor; *h*, a depression in the top of the distributor H; I, a cap or deflector; *i*, a button on the deflector I; K, a ring or band surmounting the deflector I; *k*, a hanger supporting the band K; L M, a chimney; N, a wick-adjusting sleeve; *n*, a draw-bar or handle connected with the sleeve N.

I will first describe the form of construction shown in Fig. 1.

The wick-adjusting sleeve N is made of an interior diameter slightly larger than the exterior diameter of the inner wick-tube, E, and so as to move freely on said tube. To this sleeve N is pivotally attached the draw-bar or handle *n*, which passes upward and out of the central opening or collar of the lamp body or fount D. The sleeve N is adapted to frictional engagement with a tubular wick, (not shown in the drawings,) which passes outside of said sleeve, and so that said wick may be vertically adjusted by means of said sleeve N and draw-bar *n*. To guide the vertical and prevent any lateral movement of the draw-bar

n, a notch or recess, *g'*, is cut out of or indented into the lower edge of the detachable portion G of the burner, so that when the portion G is slipped into the central opening or collar of the fount D, in which it may be fastened by the usual bayonet-catch or otherwise, an opening will be provided, through which the draw-bar *n* may freely move. When the detachable portion G of the burner is removed, the wick-adjusting sleeve N and the draw-bar *n* may also be removed from the lamp for rewicking, or for any other purpose.

In the form of construction shown in Fig. 2 the wick-adjusting sleeve N is made of relatively larger diameter, so as to surround the wick. In other respects the construction and operation of the device are similar to those already described.

Hertofore in lamps of this class, in which a wick-adjusting sleeve and a draw-bar attached thereto were made removable from the lamp apart from the detachable portion of the burner, as G, it has been deemed necessary to slit or notch a recess in the top of the lamp through the top opening or collar in which the detachable portion of the burner engaged. By my invention the top opening or collar may be made perfectly annular in form, so that it is much stronger than when it is slitted, while the lamp and burner can at the same time be made at less expense.

As I have previously made application for a patent on a wick-lift consisting of a vertically-adjustable sleeve and a draw-bar pivotally connected thereto, which application was filed September 29, 1887, and has received Serial No. 251,012, I do not claim this feature as part of my invention, except in combination with the notch or recess in the detachable portion of the burner.

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

1. In an Argand lamp, the combination of a lamp-body, an annular opening or collar in the top of said lamp-body, a detachable burner portion adapted to engage in said opening, a notch or recess in the periphery of said detachable portion, and a wick-adjusting draw-bar or handle adapted to move in said notch or recess, substantially as described.

2. In an Argand lamp, the combination of

a lamp-body, a central air-supply tube passing through said lamp-body, an annular opening or collar in the top of said lamp-body, a detachable burner portion adapted to engage in
5 said annular opening, a notch or recess in the periphery of said detachable portion, a wick-adjusting sleeve surrounding said central air-

supply tube, and a draw-bar or handle attached to said sleeve and adapted to move in said notch or recess, substantially as described.
FRANK RHIND.

Witnesses:

GEO. L. COOPER,
S. J. ROBY.