

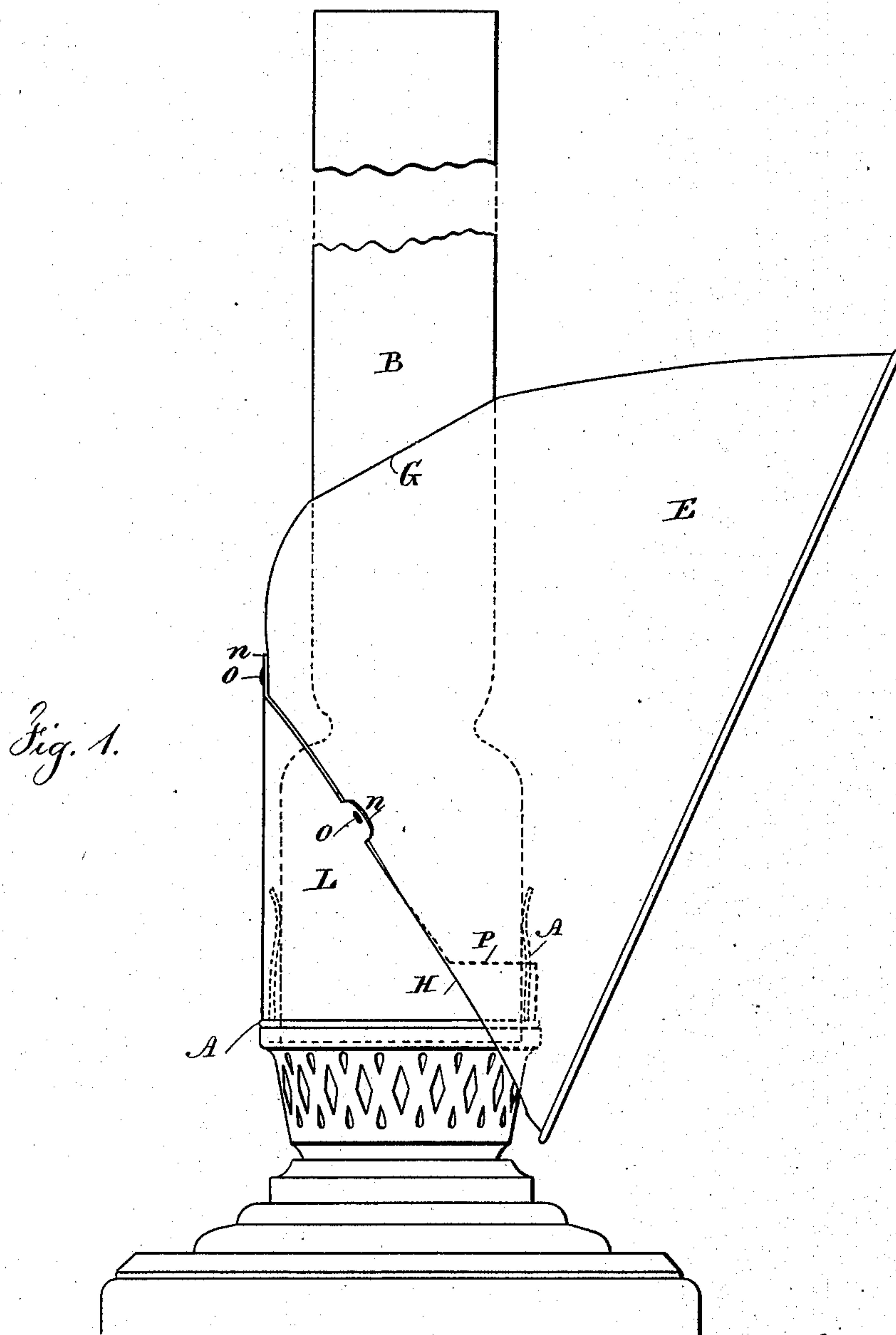
(No Model.)

2 Sheets—Sheet 1.

J. H. WHITE.
REFLECTOR FOR LAMPS.

No. 322,142.

Patented July 14, 1885.



Witnesses

Chas H. Smith
J. Stail

Inventor

James H. White
for *Lemuel M. Ferrell* atty

(No Model.)

2 Sheets—Sheet 2.

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REFLECTOR FOR LAMPS.

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Fig. 2.

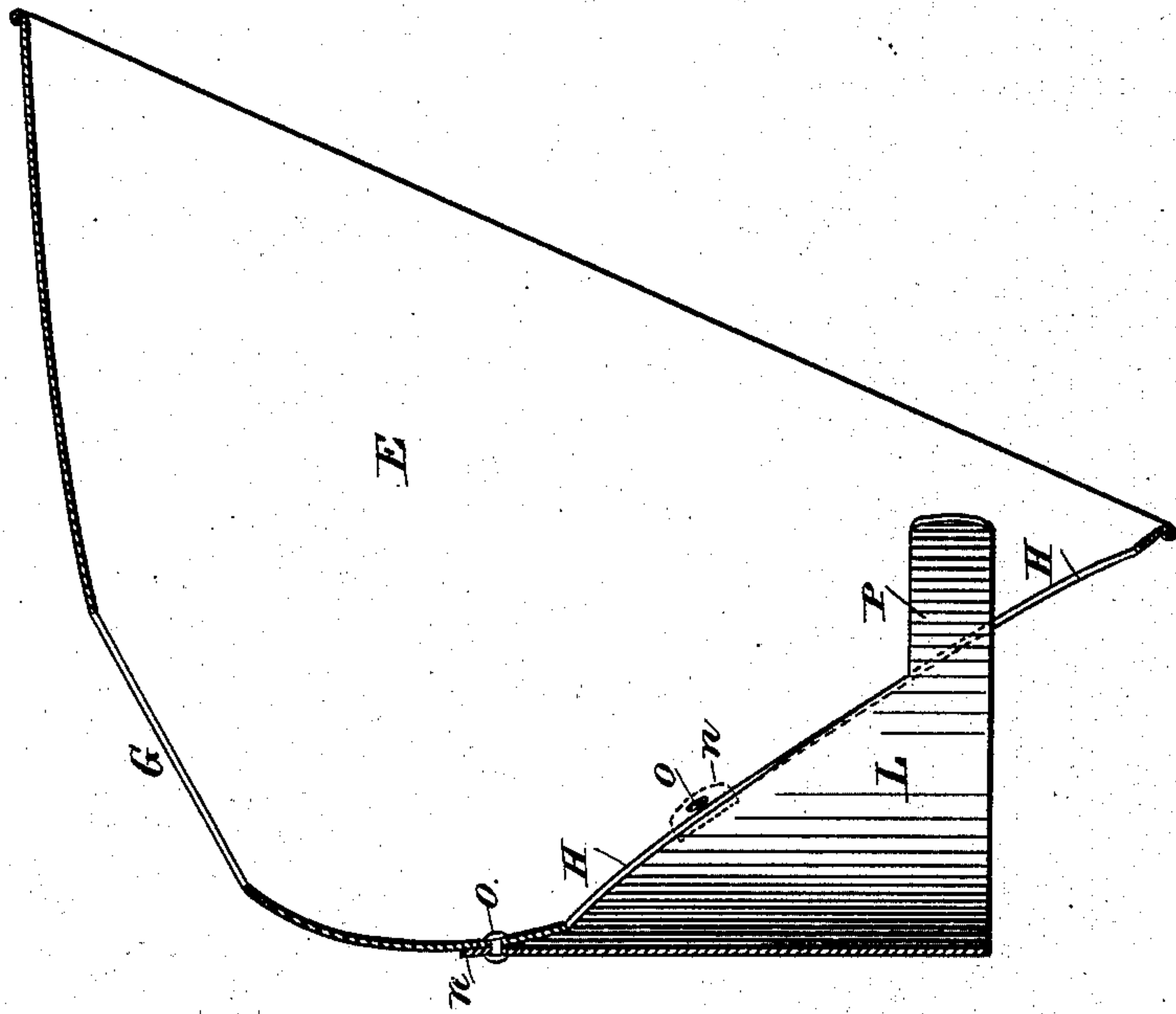
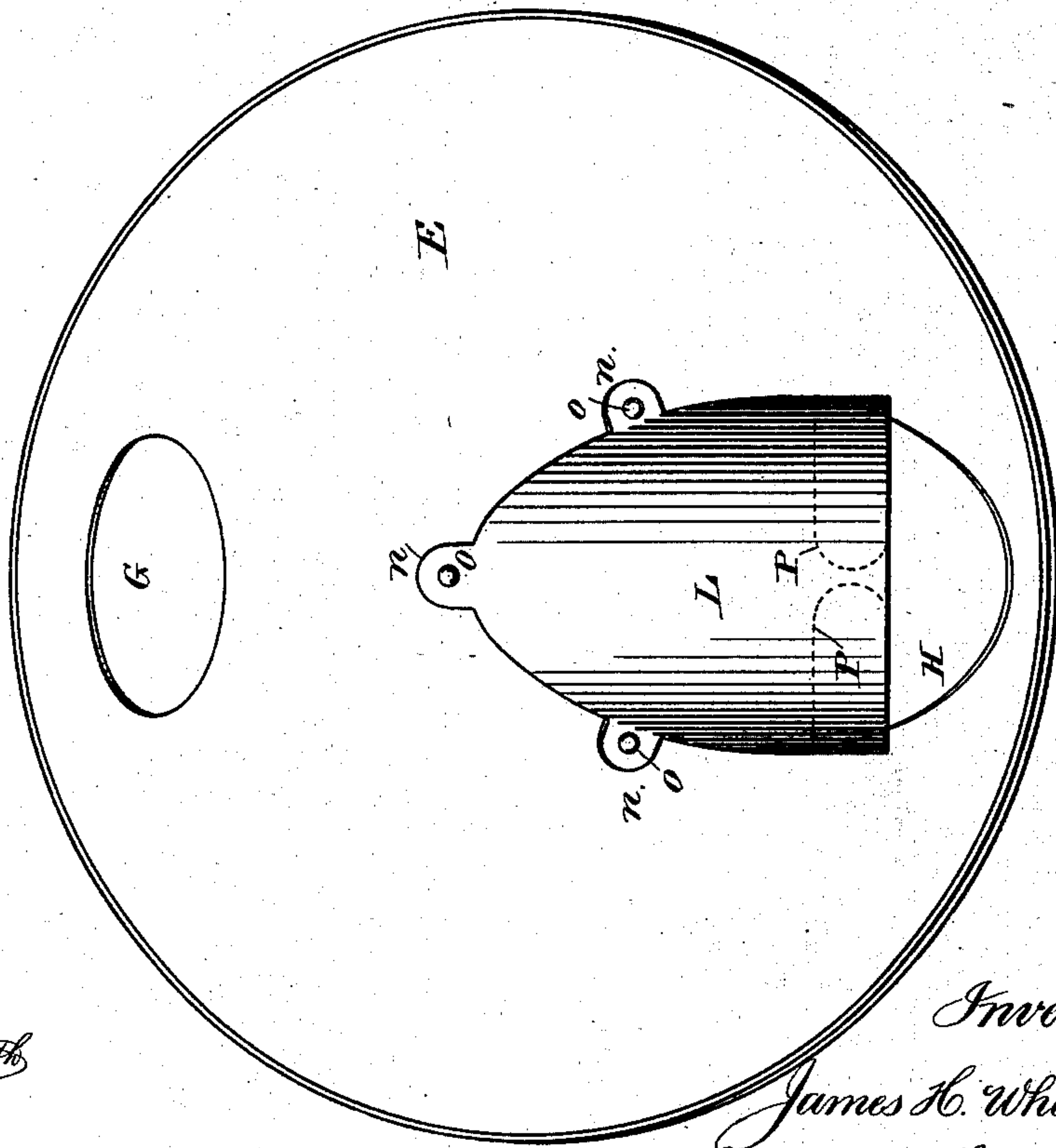


Fig. 3.



Witnesses

Chas. H. Smith
J. Staib

Inventor

James H. White.
per Lemuel W. Perrell

att.

UNITED STATES PATENT OFFICE.

JAMES H. WHITE, OF NEW YORK, N. Y., ASSIGNOR TO THE MANHATTAN
BRASS COMPANY, OF SAME PLACE.

REFLECTOR FOR LAMPS.

SPECIFICATION forming part of Letters Patent No. 322,142, dated July 14, 1885.

Application filed March 5, 1885. (No model.)

To all whom it may concern:

Be it known that I, JAMES H. WHITE, of the city and State of New York, have invented an Improvement in Reflectors for Lamps, of which the following is a specification.

Reflectors have heretofore been made that could be applied either upon a candle or upon the chimney of a lamp or removed therefrom at pleasure.

My invention is made with reference to grasping the chimney-holder of an Argand burner, so that such chimney-holder can be removed together with the chimney and reflector from a lamp for trimming or lighting the lamp.

My improvements relate especially to the peculiarities of construction hereinafter set forth and claimed, which facilitate the manufacture of the reflector and lessen the risk of injury to either the reflector, the chimney-holder, or the chimney.

In the drawings, Figure 1 is an elevation of the reflector and chimney-holder and a portion of the lamp. Fig. 2 is a vertical section of the reflector detached, and Fig. 3 is a rear view of the same.

This invention is available with any lamp containing a spring chimney-holder, A, which, with the chimney B, is capable of removal from the lamp-burner. Reference is hereby made to Letters Patent No. 250,918, granted to T. Hipwell, December 13, 1881, in which a removable spring chimney-holder and a support for the same on the burner are shown.

The reflector E is parabolic in form. The axis of the parabola is preferably at an inclination to a vertical line, so that the light may be reflected downwardly to a short distance from the lamp. This reflector is preferably spun, nickel-plated, and polished before any openings are made in the same, as the polishing is not injured by the subsequent operations. An elliptical opening is now cut in the reflector at G, for the passage of the upper part of the chimney, and another and larger elliptical opening is cut at H, for the chimney-holder and other parts.

The shield I is made of sheet metal, with

projecting ears n, by which the shield is attached by rivets o to the reflector. The upper edge of the shield is of a shape to correspond with the upper part of the opening H, so that the edges of the sheet metal will set together without requiring solder.

The lower portion of the shield, below the rivets, is expansible and provided with spring-clips P, extending out as arms, so as to pass around and nearly encircle the chimney-holder, and the opening H is sufficiently large to allow this shield and spring-clip to expand as it is passed over the chimney-holder or is removed therefrom.

This clip and shield connect the reflector to the spring chimney-holder, so that this reflector can be removed from the lamp along with the spring chimney-holder for lighting or trimming the lamp. At the same time the chimney is removed with the spring chimney-holder; or the chimney can be lifted up out of the spring chimney-holder, swung aside, and slipped down out of the opening G, for cleaning the chimney, when necessary, thus greatly facilitating the use of a reflector upon the chimney-holder of an Argand lamp.

I do not claim a reflector connected with a spring chimney-holder. Neither do I claim a reflector having a downward extension that rests upon the burner around the upper part of the air-distributor. Neither do I claim a spring-clip with arms for supporting a reflector.

I claim as my invention—

The parabolic reflector having openings through it, a shield of sheet metal with ear-pieces extending out from the shield and attached to the reflector, and spring-arms projecting from the lower part of the shield and adapted to grasp the chimney-holder of an Argand lamp, substantially as set forth.

Signed by me this 28th day of February, A. D. 1885.

JAMES H. WHITE.

Witnesses:

WILLIAM G. MOTT,
HAROLD SERRELL.