

(No Model.)

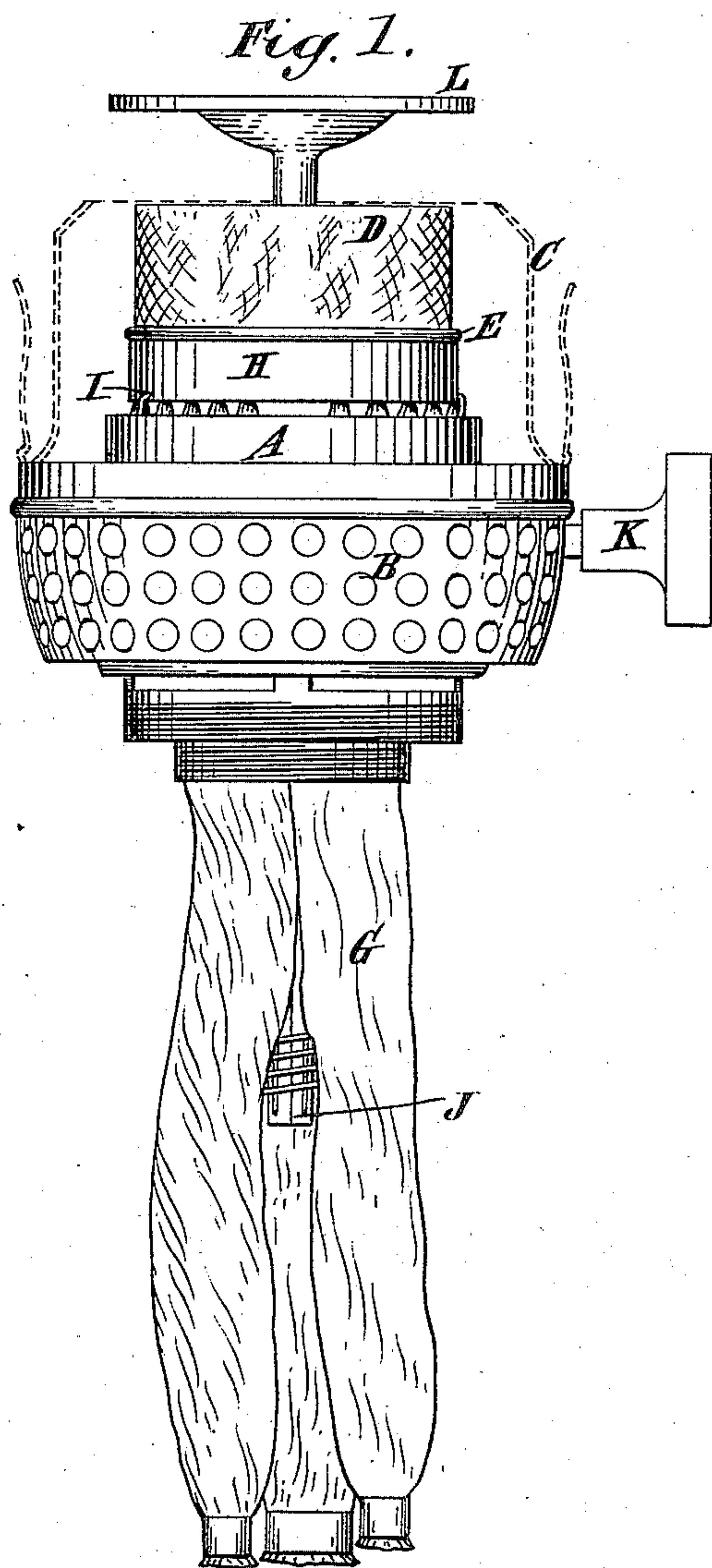
E. H. HICKOK, Dec'd.

M. H. HICKOK, Administratrix.

LAMP BURNER.

No. 365,745.

Patented June 28, 1887.



Witnesses
Geo Wadman
Jas R Bower

Inventor
Edwin H. Hickok
By his attorneys,
Gifford & Brown

UNITED STATES PATENT OFFICE.

EDWIN H. HICKOK, OF NEW YORK, N. Y.; MARY H. HICKOK ADMINISTRATRIX OF SAID EDWIN H. HICKOK, DECEASED.

LAMP-BURNER.

SPECIFICATION forming part of Letters Patent No. 365,745, dated June 28, 1887.

Application filed February 10, 1886. Serial No. 191,424. (No model.)

To all whom it may concern:

Be it known that I, EDWIN H. HICKOK, of New York, in the county and State of New York, have invented a certain new and useful Improvement in Lamp-Burners, of which the following is a specification.

My improvement relates particularly to a lamp-burner for features of which I have previously filed several applications for Letters Patent. In such burner I employ a cylindrical wick occupying an upper portion of an annular wick-tube and a number of strands or pieces of cord extending therefrom through the lower portion of the wick-tube and below the bottom of the burner.

The object of my present improvement is to provide more satisfactory means of connecting the strands or cords with the cylindrical wick than I have heretofore had.

My improvement consists in the combination, with the cylindrical wick, of an externally-screw-threaded ring surrounding the same, and secured thereto by cement or otherwise, and an internally-screw-threaded ring adapted to receive the frame, and having at the lower edge an inwardly-turned flange provided with perforations, through which the strands or cords may be threaded, and by which the upper portion of these strands or cords will be held in contact with the cylindrical wick when the ring attached to the latter is engaged with the ring to which the strands or cords are fastened.

In the accompanying drawings, Figure 1 is a side elevation of my lamp-burner, the chimney-gallery and deflector being shown in dotted outline only, the outer wick-tube being removed in order that the wick may be clearly seen. Fig. 2 is a transverse section of the wick, the strands or cords, and the rings by which the latter are secured in contact with the wick.

Similar letters of reference designate corresponding parts in both figures.

A designates the body of the burner. It consists of a metal casting having two upright concentric tubular portions and transverse tubular portions extending from one to

the other. This casting is secured to the shell B, which is perforated to form an air-distributor, and has mounted upon it a deflector, C. Wick-tube tips are secured to the upright concentric tubular portions of the body A. A convenient way of securing them is by screw-threads.

D designates a cylindrical wick, which fits between the wick-tube tips. It is secured by any suitable means—as, for instance, by cement—to the inside of the ring E. It may advantageously be made of sheet metal, and is externally screw-threaded.

G designates strands or cords, which may be made of the same material as the wick. They are attached to a ring, H, which may advantageously be made of sheet metal, and is externally screw-threaded, so that it may be engaged with the outside of the ring E. As shown, the ring H has at the lower edge an inwardly-turned flange, *h*, provided with perforations, through which the strands or cords G are threaded. The cords or strands are thus made to extend above the top of this flange, so that the wick D will be in contact with them when the ring E is engaged with the ring H. The ring H is connected by rods I with a tube, J, forming part of a mechanism by which said ring can be raised or lowered through the rotation of a handle, K, for the purpose of adjusting the wick D into any desirable position. A spreader or button, L, may be adjusted by the same means; but this is immaterial, so far as the present improvement is concerned. The wick D will of course in time be consumed, and it will be necessary to replace it by a new one.

It is very important to provide a simple means for coupling the wick with the strands or cords G, in order that it may not be beyond the skill and ability of persons ordinarily using lamp-burners. The means for coupling the wick with the strands or cords above described is, therefore, an important feature of my burner. The wick may be trimmed for use before being sent to the user, as, owing to the construction of the means for coupling it with the strands or cords, it can

only be inserted in one position within the wick-tube.

What I claim as my invention, and desire to secure by Letters Patent, is—

- 5 The combination, with a ring having cords or strands or like material fastened to it, of a cylindrical wick attached to another ring

adapted to be fixedly secured to the ring first mentioned, substantially as specified.

EDWIN H. HICKOK.

Witnesses:

CAROLINE HICKOK,
STEWART P. KULING.