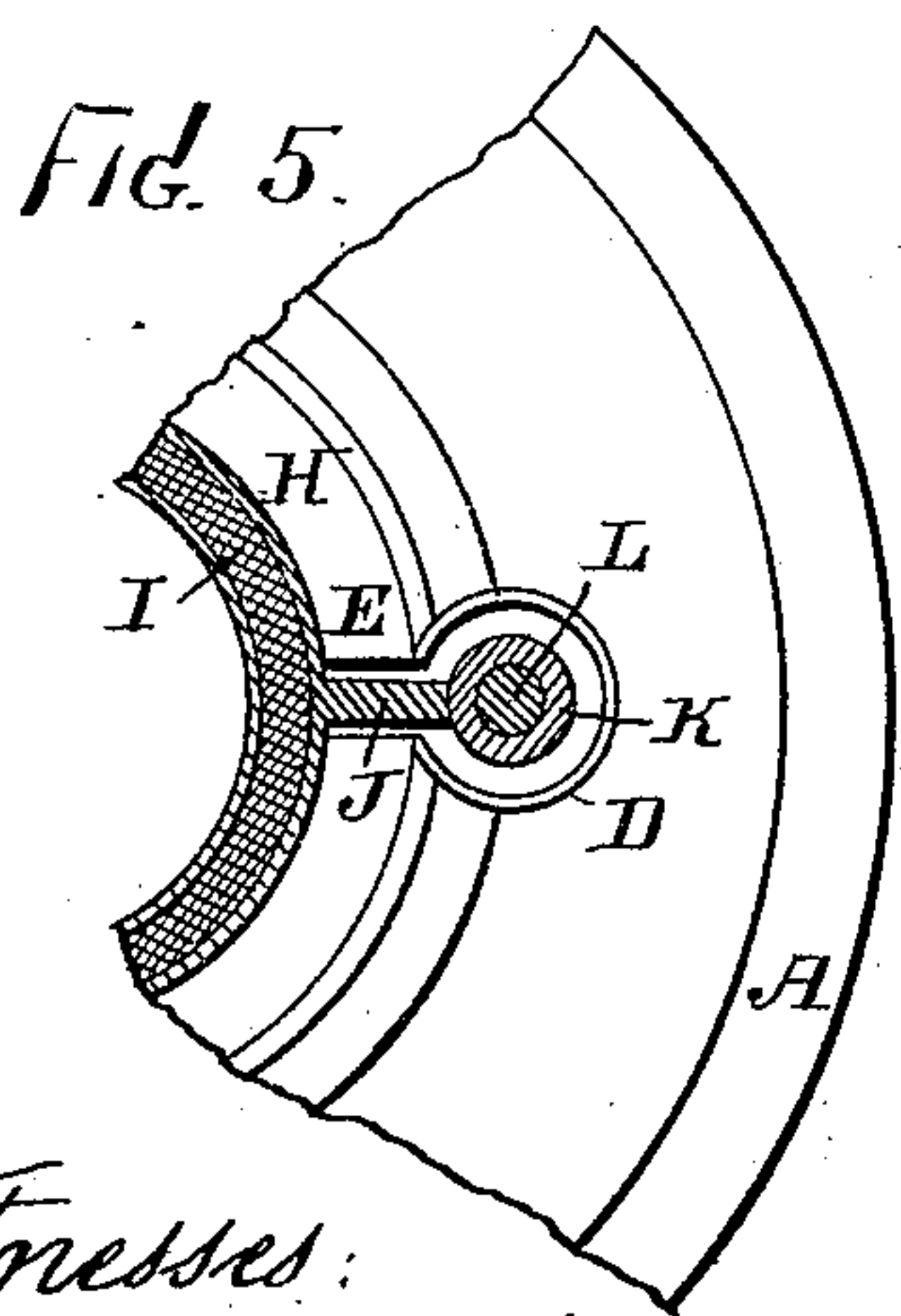
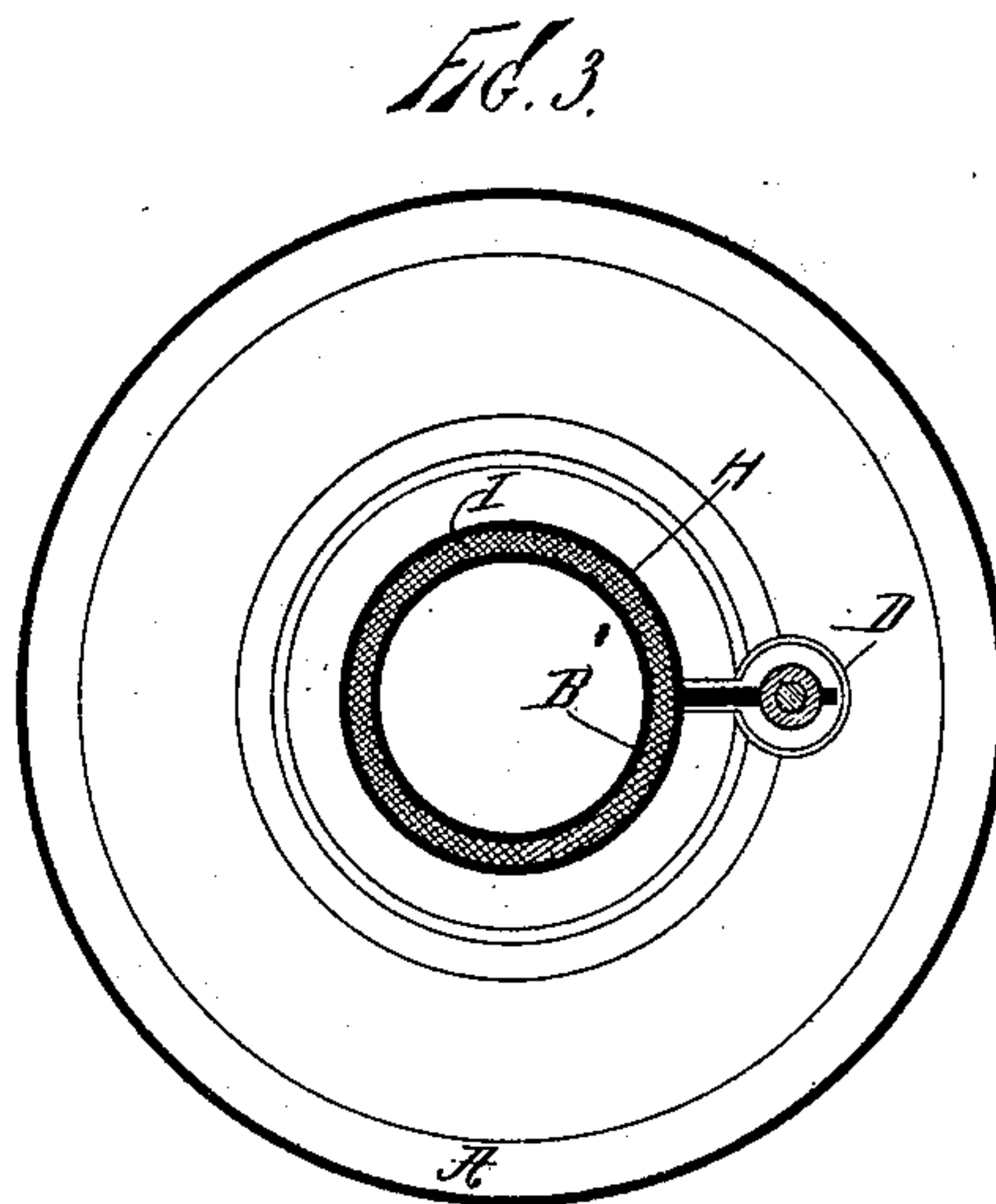
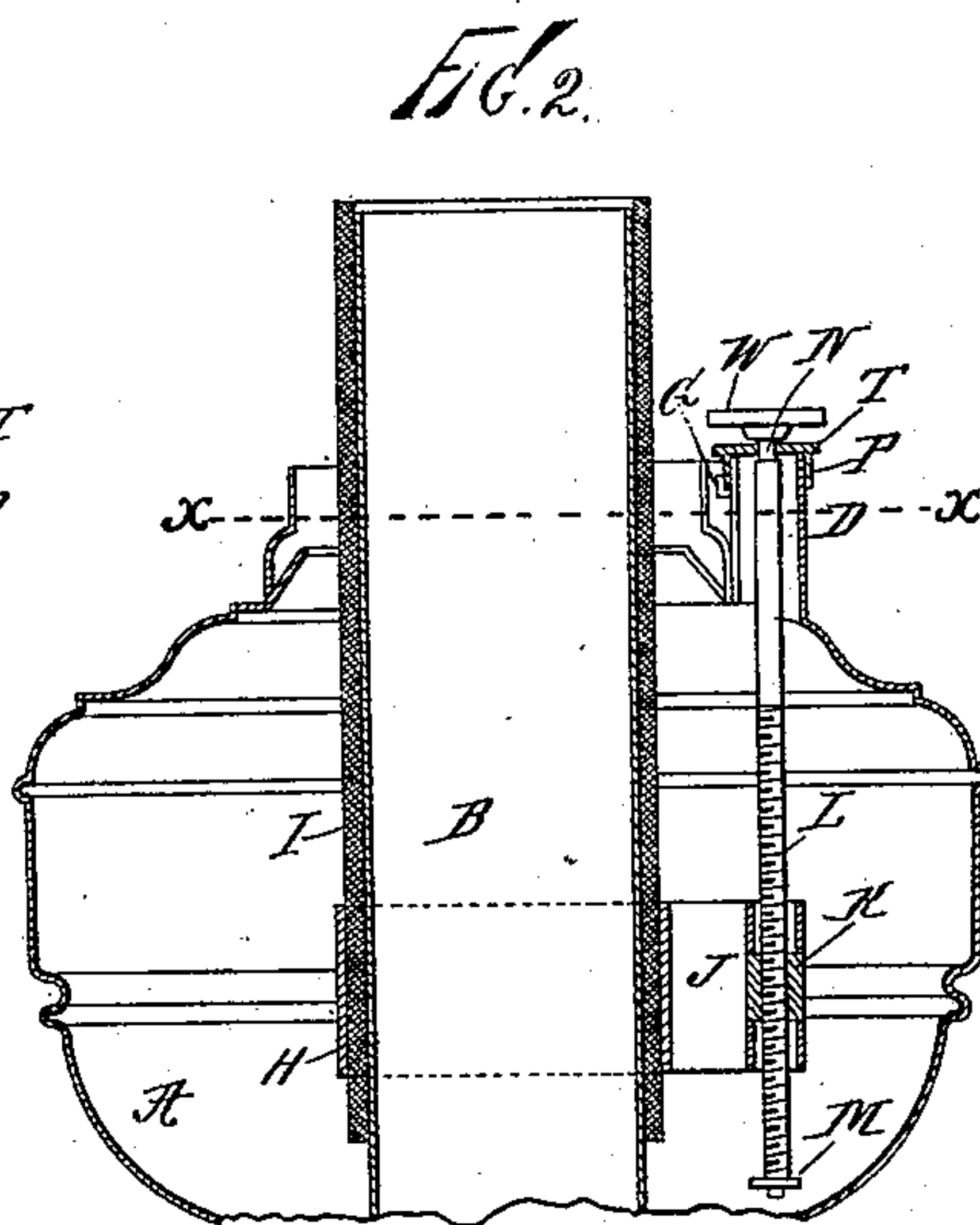
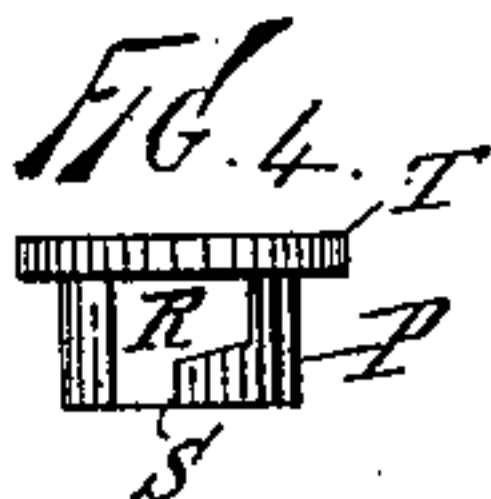
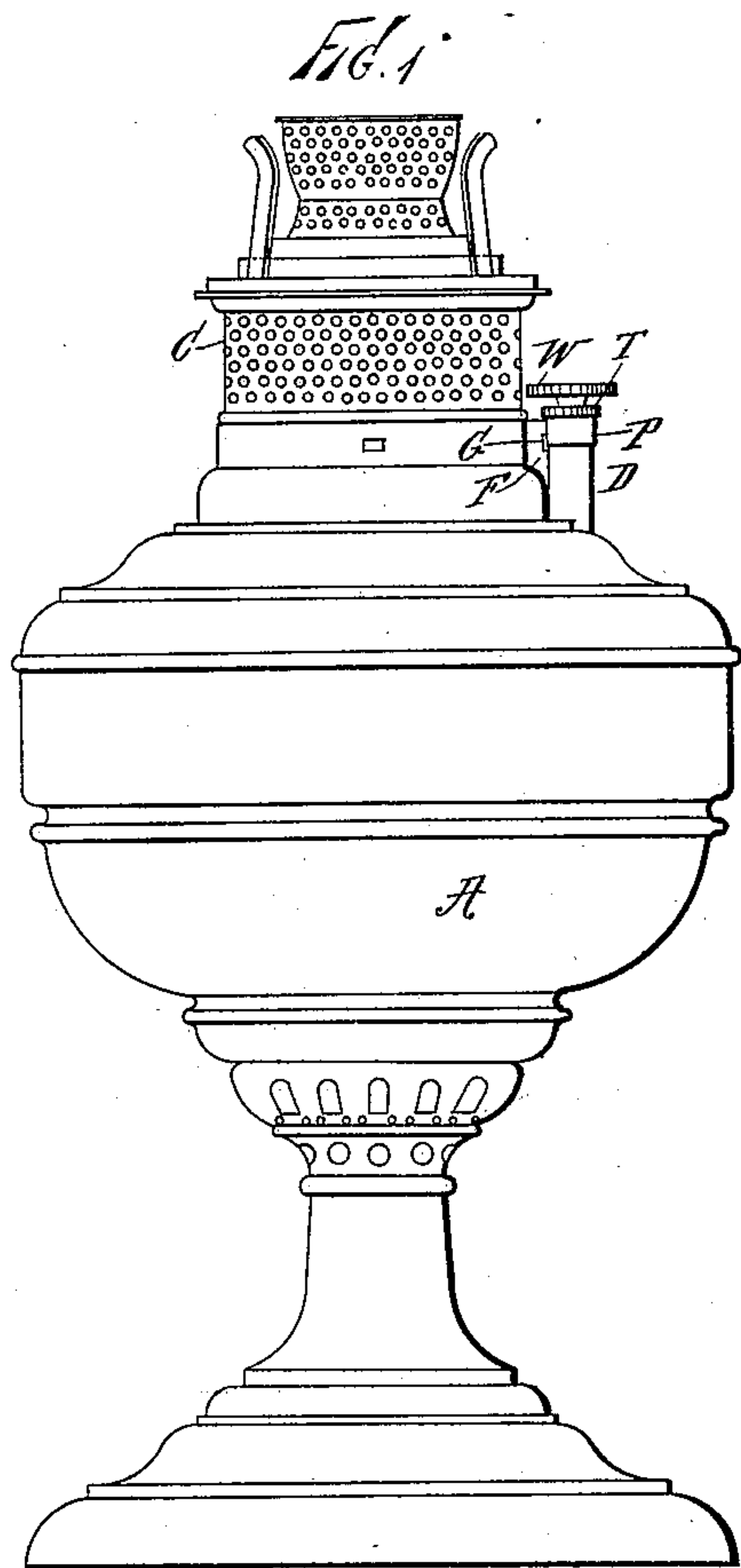


(No Model.)

H. W. HAYDEN.
LAMP.

No. 405,032.

Patented June 11, 1889.



Witnesses:
John Buckler,
Wm H. Weightman

Inventor:
H. W. Hayden,
A. M. Pierce,
Attorney.

UNITED STATES PATENT OFFICE.

HIRAM W. HAYDEN, OF WATERBURY, CONNECTICUT, ASSIGNOR TO HOLMES,
BOOTH & HAYDENS, OF SAME PLACE.

LAMP.

SPECIFICATION forming part of Letters Patent No. 405,032, dated June 11, 1889.

Application filed March 9, 1888. Serial No. 266,672. (No model.)

To all whom it may concern:

Be it known that I, HIRAM W. HAYDEN, a citizen of the United States, and a resident of Waterbury, in the county of New Haven
5 and State of Connecticut, have invented certain new and useful Improvements in Lamps, of which the following is a specification.

My invention relates especially to means for regulating the position of the wick in
10 lamps having a central fixed wick-tube, and has for its object the provision of a regulator which is simple to construct, easy to place in position and manipulate, and whereby the position of the wick may be controlled
15 with the greatest accuracy and ease.

To attain the desired end, my invention consists essentially in a collar encircling the central wick-tube and engaging with the wick, said collar being provided with a pro-
20 jection bearing a nut, through which a perpendicular screw-threaded rod passes. The upper extremity of said rod bears a manipulating-button and a locking device for securing the rod against vertical movement when
25 the parts are in use, all of which will be hereinafter first fully described and then pointed out in the claim.

In the drawings, Figure 1 is a side elevation of a lamp wherewith my improved wick-
30 regulator is employed. Fig. 2 is a vertical sectional view thereof. Fig. 3 is a sectional view taken on the line $x x$ of Fig. 2. Fig. 4 is an enlarged view of the locking device. Fig. 5 is a sectional view of the tube through
35 which the wick-raising devices pass.

Like letters of reference wherever they occur indicate corresponding parts in all the figures.

A is the body of the lamp or oil-fount.

40 B is the central wick-tube.

C is the removable portion of the burner.

D indicates a tube secured to the upper portion of the lamp and encircling the upper end of the screw-threaded wick-raising rod L
45 and having a hollow rectangular lateral extension E, through which the arm J of the wick-encircling ring H passes when the wick is inserted or removed.

H is a ring surrounding the central wick-tube and arranged to grasp the wick I. Ex-
50 tending from said ring is an arm J, wherein is fixed a nut K.

L is a vertical screw-threaded rod, which passes through nut K and bears upon its lower extremity a washer M, preventing its entire
55 withdrawal from the nut.

At N an annular groove is formed wherover is located a locking-ring P, said ring being provided with a slot R, tongue S, and manipulating-ring T, as fully illustrated in Fig. 60
4. Affixed to the upper extremity of rod L is a button W, for turning the same. In assembling the parts for use the wick is first secured to ring H. It is then passed over the central tube, arm J passing through extension
65 E, and rod L through tube D, and ring P is turned so as to engage the tongue S in the perforations G, thus locking rod L against perpendicular movement while permitting it
70 to freely revolve.

By this construction, the wick may be regulated with the greatest ease and accuracy, and danger of turning too high or too low is obviated.

Having now fully described my invention, 75 what I claim as new therein, and desire to secure by Letters Patent, is—

The combination, with the wick-carrying ring H, provided with an arm J, bearing a nut K, of the vertical screw-threaded shaft L, 80 terminating at its upper extremity in a manipulating-button W, and bearing a locking-ring P, provided with a tongue S, adapted and arranged to engage with perforations in the walls at the sides of a slot on the top
85 of the oil-fount, substantially as shown and described.

Signed at Waterbury, in the county of New Haven and State of Connecticut, this 7th day of March, A. D. 1888.

HIRAM W. HAYDEN.

Witnesses:

GEO. H. BURHAM,

THOS. B. KENT.