

HENRY BEEBE.

Improvement in Wick-Regulators for Lamps.

No. 114,906.

Patented May 16, 1871.

Fig: 1.

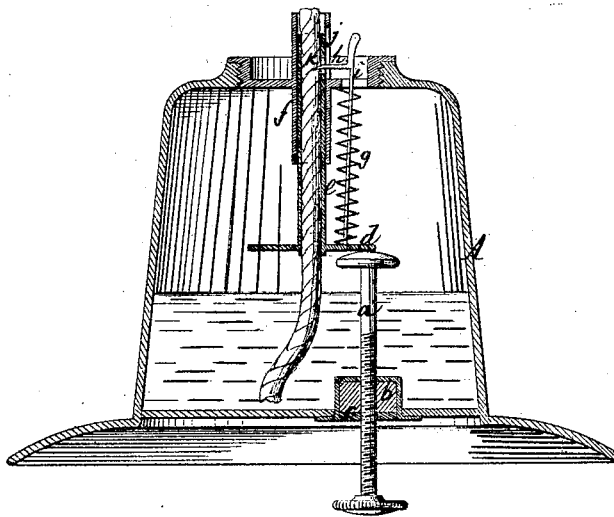
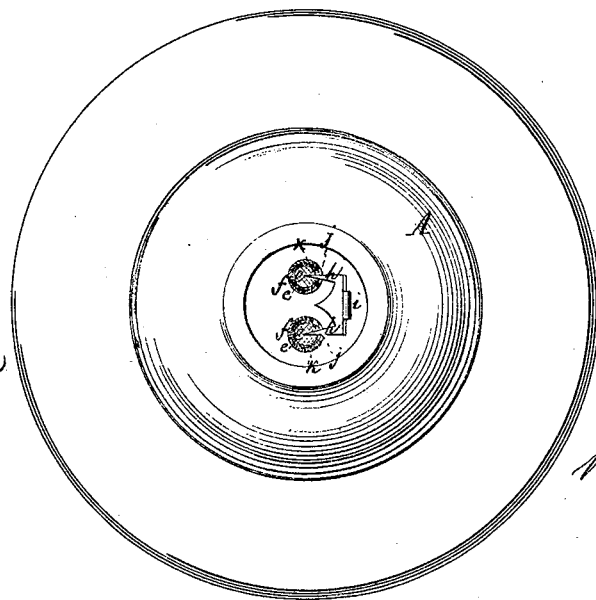


Fig: 2.



Witnesses:

E. W. Mahlers

E. F. Kastenhuber

Inventor.

Henry Beebe

per
Nas Santovard & Hump
attys

United States Patent Office.

HENRY BEEBE, OF JERSEY CITY HEIGHTS, NEW JERSEY.

Letters Patent No. 114,906, dated May 16, 1871.

IMPROVEMENT IN WICK-REGULATORS FOR LAMPS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, HENRY BEEBE, of Jersey City Heights, in the county of Hudson and State of New Jersey, have invented a new and improved Wick-Regulator for Lamps; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 represents a vertical central section.

Figure 2 is a top view.

Similar letters indicate corresponding parts.

This invention consists in the arrangement of a screw passing up through a stuffing-box in the bottom of the oil-cistern of a lamp, in combination with a sliding wick-tube, which is depressed by a spring, and to the bottom flange of which is secured a wick-prong in such a manner that, by turning the screw in the proper direction, the position of the wick can be regulated from below, and without having access to the sides or to the top of the lamp.

In the drawing—

The letter A designates the oil-cistern of a lamp of that class generally used in lanterns or in railroad cars, where the body of the lamp is inclosed in a glass cylinder, and no access can be had to the wick unless the lamp is detached from its frame or support.

In order to be able to regulate the position of the wick without taking down the lamp, I have applied a screw, *a*, which extends through a stuffing-box, *b*, in the bottom of the lamp, so as to prevent the oil from leaking out, and which is tapped into a nut or plate, *c*, secured in the lamp bottom, as shown in fig. 1 of the drawing.

The inner end of this screw bears on a flange, *d*, which extends from the wick-tube *e*, and this wick-tube slides up and down in guide-tubes *f* secured in the top of the lamp.

A spring, *g*, which bears on the flange *d*, serves to keep said flange in contact with the inner end of the regulating-screw.

From the flange *d* rises a flat spring, *i*, provided with one or more prongs, *h*, which project through slots *j* in the guide-tubes *f*, and through apertures *k* in the wick-tubes, catching hold of the wicks, so that by moving the flange *d* up or down the wicks are compelled to follow.

By turning the regulating-screw up or down, therefore, the position of the wicks can be adjusted with the greatest nicety up or down, as occasion may require, without removing the lamp from its supporting frame.

When the lamp is taken out of its supporting frame the spring *i* can be pressed back, so that the prongs *h* release the wicks, and said wicks can be pulled out and trimmed, as may be required from time to time.

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

The regulating-screw *a*, in combination with a flange, *d*, carrying the wick-tube *e* and spring prongs *h*, and with a spring, *g*, and guide-tubes *f*, all constructed and operating substantially as herein shown and described.

HENRY BEEBE.

Witnesses :

W. HAUFF,

E. F. KASTENHUBER.