

F. RHIND.
Lamp.

No. 211,931.

Patented Feb. 4, 1879.

Fig. 1.

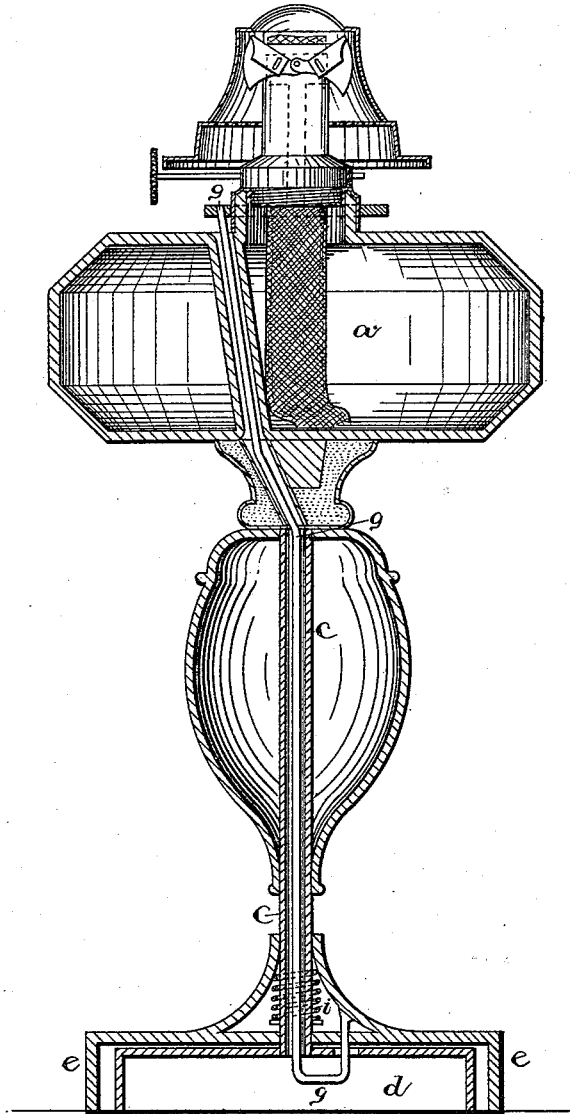
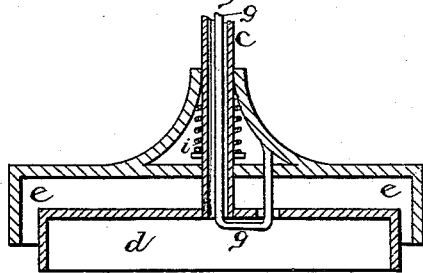


Fig. 2.



Witnesses:

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IMPROVEMENT IN LAMPS.

Specification forming part of Letters Patent No. 211,931, dated February 4, 1879; application filed January 2, 1879.

To all whom it may concern:

Be it known that I, FRANK RHIND, of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Lamps; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawing, which forms part of this specification.

My invention relates to an improvement in self-extinguishing lamps; and it consists in forming two bases to the lamp, the outer one of which is movable, and connected by a rod that runs up through the standard with the extinguishing device, as will be more fully described hereinafter.

Heretofore, where a rod has been used to actuate the extinguishing device, the rod has been held pushed up by a movable sleeve or hand-hold, so that when the lamp is dropped from the hand, or is upset, the sleeve or hand-hold drops downward, and in falling pulls the rod downward, so as to operate the extinguisher; but in the present instance no sleeve or hand-hold is used, nor does the standard move in the slightest degree.

Figure 1 is a vertical section of my invention.

a represents the bowl of the lamp, to which the standard *c* is rigidly secured. To the lower end of this standard is rigidly secured the real or inner base, *d*, the base and standard being formed in one piece, and having no movement, nor any other function than to support the lamp in the usual way. As this inner base is entirely hidden from sight at all times, it may be made of tin or any light material.

Passed over the lower part of the standard, where it is reduced in size, is an outer ornamental base, *e*, which entirely conceals the one *d*.

The base *e* has fastened to it a bent rod, *g*, which passes down through the inner base, *d*, and then up through the hollow standard *c*, through the bowl *a*, and is connected at its upper end, in any desired manner, with an extinguishing device.

The base *e* has a vertical play upon the lower end of the standard, just sufficient to allow it to operate the extinguishing device, and between the top of the under side of this base and the top of the real base *d*, or a pin passing through the standard, is placed a coiled spring, *i*. This spring serves to throw the outer base, *e*, upward as soon as the lamp is released from the hand, or as soon as the lamp is upset, and thus causes the extinguisher-rod to extinguish the flame before the lamp reaches the floor.

While the lamp is sitting on the table or being carried in the hand, the base *e* remains by its weight as low down on the standard as it can move, its lower surface being flush with the lower edge of the inner base, and it is not until the lamp drops from the hand or is upset that it moves.

By dispensing with the usual movable sleeve or hand-hold, not only can a more handsome lamp be produced at a less cost, but there are less movable parts to get out of order, and the movement for operating the extinguisher is positive and direct.

Where a movable sleeve or hand-hold is used the lamp must always be properly grasped, or the flame is instantly extinguished, and thus causes much vexation and annoyance; but where the lamp is constructed as here shown, it may be picked up the same as any other lamp, and carried by either the bowl or the standard.

For the sake of ornament and finish, the outer base, *e*, is shown as reaching down to the table and entirely covering the inner base; but it is not necessary that the precise construction here shown should be used, as the invention consists, principally, in discarding the usual sleeve and hand-hold.

Having thus described my invention, I claim—

1. In a self-extinguishing lamp, the combination of the bowl, standard, base *d*, a rod passing through the standard and connected to the extinguishing device, and a base, *e*, or its equivalent, substantially as shown.

2. In a self-extinguishing lamp, the combination of two bases, one of which is secured to the standard, and the other being movable

thereon and connected to the extinguishing device, substantially as described.

3. The combination, in a lamp, of the two bases *d e*, the standard *c*, the spring *i*, rod *g*, and an extinguishing device, substantially as set forth.

In testimony that I claim the foregoing I

have hereunto set my hand this 26th day of December, 1878.

FRANK RHIND.

Witnesses:

O. G. MCCALL,

J. GEORGE FLAMMER.