(No Model.)

C. H. LOPER.

ROTARY LAMP.

No. 346,758. Patented Aug. 3, 1886.

Fig. 1.

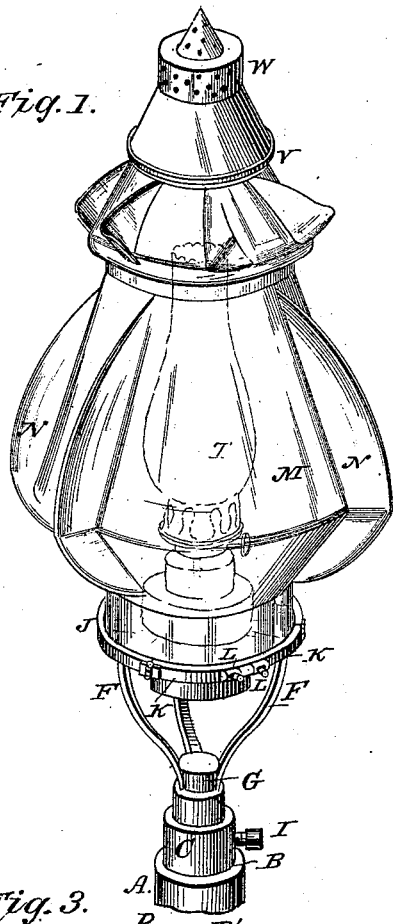


Fig. 2.

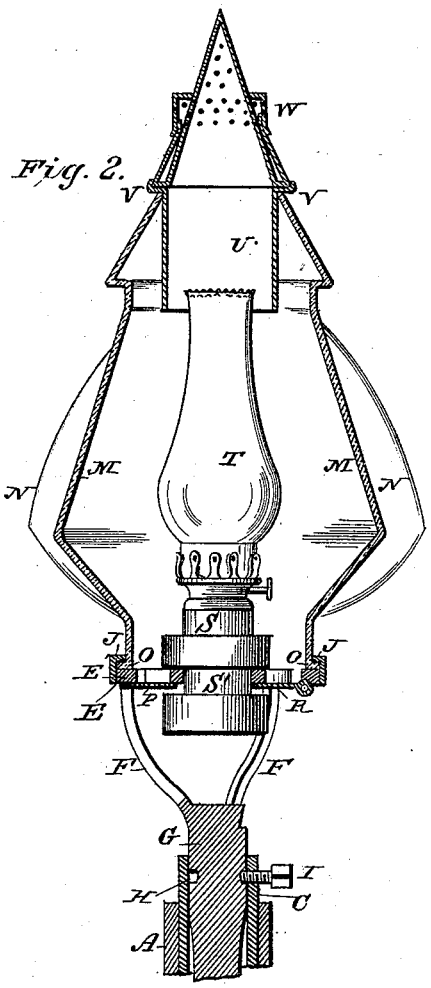


Fig. 3.

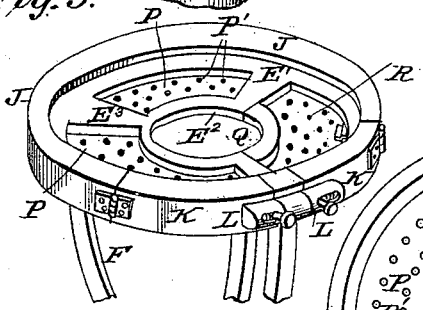
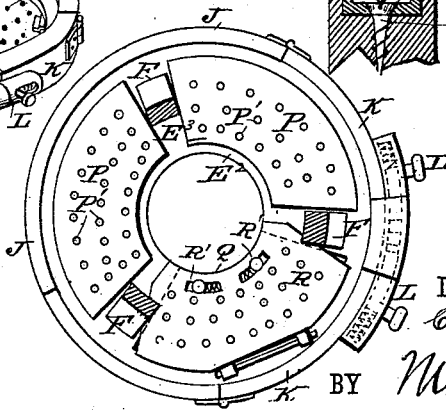


Fig. 4



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ROTARY LAMP.

SPECIFICATION forming part of Letters Patent No. 346,758, dated August 3, 1886.

Application filed May 14, 1886. Serial No. 202,213. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. LOPER, of Hickory, in the county of Catawba and State of North Carolina, have invented a new and useful Improvement in Rotary Lamps, of which the following is a specification.

My invention relates to a rotary lamp of peculiar construction, which is designed to be rotated by the action of the wind, and which will be hereinafter fully described and claimed.

Referring to the accompanying drawings, Figure 1 is a perspective view of my rotary lamp, showing the same mounted in its operative position. Fig. 2 is a longitudinal vertical sectional view of the same. Fig. 3 is a perspective detail view of the platform which supports the globe, and Fig. 4 is an inverted plan of Fig. 3.

The same letters of reference indicate corresponding parts in all the figures.

Referring to the several parts by letter, A indicates a suitable post on which my rotary lamp is supported in its operative position, my improved lamp being designed to be used in front of hotels, theaters, or other public buildings, or on steamboat or ferry landings, or in other similar positions, where it will prove an ornament, and at the same time serve to readily attract attention. In the top of the post A is bored a vertical recess, B, in which is placed a thimble or socket, C, having at its lower end a screw, D, which serves to hold it securely in position in the said recess B.

E indicates a circular platform, which is supported by the curved arms F F on the upper end of a stem, G, and this stem fits and turns in the thimble C in the top of the post A, having its lower end, which rests upon the bottom of the thimble, pointed to reduce friction, and having its middle portion concaved for the same purpose, while its upper end or portion has formed in it the annular groove H, in which fits the inner flat end of a screw, I, which passes through one side of the upper portion of the thimble C, and which serves to hold the stem G in position in the said socket, while by adjusting the said screw in or out it will operate as a brake, to prevent the lamp from revolving too rapidly when the wind is very strong.

The stem, the supporting-arms, and the platform consisting of the annular outer rim, E′, and the nearly annular inner rim, E^2, connected together by the radial pieces E^2, may all be made in one solid piece, as also the upwardly and inwardly projecting retaining-flange J, which extends two-thirds of the distance around the outer rim, as shown, and this flange is completed by the two hinged flange portions K K, which have at their free ends the spring-catches L L, which serve to secure them in their closed position around the lower flange of the globe M. This globe M is made of semi-transparent glass or china, and its general shape may be of any desired ornamental form, such as that shown in the drawings, this globe being formed with the wings N N integral with it, and which may be of any desired number or size, as may be thought preferable, these wings being preferably inclined all in one direction, so that the lamp will revolve in one direction only, as will be readily understood; and the lower mouth or end of this globe is formed with the annular outwardly-inclined flange O, over which the retaining-flange J of the platform fits, thereby securing the globe firmly in its operative position.

That portion of the platform lying between the outer and inner rims which is not covered by the radial connecting-pieces E^2 is covered by the tin plates P P, which are formed with the perforations P′, through which the air passes into the globe to feed the flame of the lamp, and the nearly annular inner rim, E^2, is completed by the inner curved rim, Q, of the hinged door R of the platform, the said door opening downward, and having the spring-catches R′ R′, for securing it in its closed position.

S indicates the removable lamp, which is supported in the center of the platform, the body portion of this lamp being formed with the deep annular depression or groove S′, in which fits the inner annular rim of the platform, this lamp being placed in position by opening the hinged door R, and being held firmly in position when the door is closed, as will be readily seen. This lamp is provided with a tall chimney, T, the upper portion of which extends up within the lower end of a tin funnel, U, which is formed with the annular shoulder V, which supports it in the

upper end of the globe M, while the conical top of this funnel is perforated for the escape of the smoke, &c., from the lamp, and this conical perforated portion may be in turn inclosed in a perforated shield, W, which prevents the wind from blowing directly into the perforations in the top of the funnel. The chimney T of the lamp S may be changed, so as to use a chimney of any desired color, and by using a globe of semi-transparent white material the colored chimney of the inner lamp will cause the globe to appear of any desired color.

It will be seen that the globe having been placed in position on the platform, and the lamp S placed in the platform through the door R, the wind, blowing against the wings of the globe, will cause the globe and its supporting platform and stem to revolve, the stem turning readily in the thimble C in the top of the post, the lamp thus serving as an ornament, and also serving to readily attract the attention of all persons passing within sight of it.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of my rotary lamp will be readily understood. It will be seen that my improved lamp is simple in construction, and is therefore not liable to get out of order, while it is very efficient in its operation. The peculiar shape of the lamp S and its high chimney fitting within the smoke catcher or funnel U renders the lamp perfectly safe when it is turned by the wind, while as all the smoke is conducted directly in the said funnel, this is the only part of the lamp which will need to be removed to be cleaned, and the globe itself will be kept clean and clear, so that any name painted on the globe—as the name of a hotel—will always be seen to the best advantage.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A rotary lamp consisting of a globe having wings formed on its outer surface, and a lamp secured within the said globe and pivotally secured upon a suitable support.

2. The combination, with the thimble secured in the top of a post or other support, of the stem fitting and turning in the said thimble and supporting at its upper end the platform, the lamp secured in the said platform, and the globe formed with the exterior wings and secured upon the said platform.

3. The combination, with a suitable support, of the thimble secured therein, and having the transverse adjustable retaining-screw, the stem having the pointed lower end, the reduced central portion, and the annular groove formed near its upper end, the platform supported by the curved arms on the upper end of the stem, having the outer inwardly-projecting flange formed with the hinged portions having the spring-catches, and having the perforated bottom plates, the inner rim, and the hinged door having the spring-catches, the semi-transparent globe formed with the wings and the bottom flange, the lamp having the annular groove formed in its body portion, and the removable funnel having the perforated upper end, all constructed and arranged to operate in the manner and for the purpose set forth.

4. The combination, with the revolving platform, arranged as described, and having the lamp secured removably in its center, of the globe formed with the inclined wings and the bottom flange, and the removable smoke-conductor having the perforated upper end, and the perforated shield inclosing the said perforated upper end, as set forth.

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