

A. W. WEHRHAN.

Lamp.

No. 102,995.

Patented May 10, 1870.

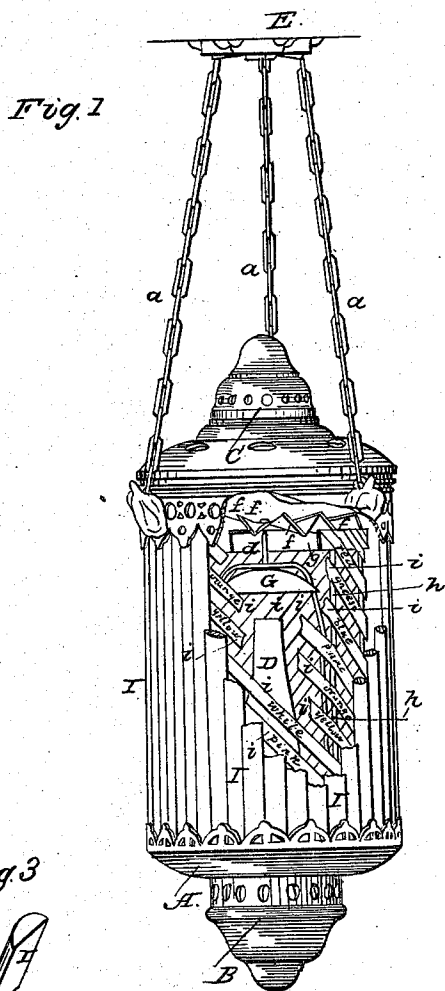
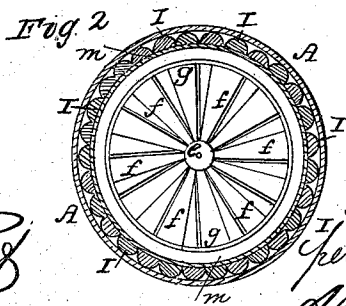


Fig. 3



Witnesses
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per
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United States Patent Office.

ADELBERT W. WEHRHAN, OF COLUMBIA, SOUTH CAROLINA.

Letters Patent No. 102,995, dated May 10, 1870.

IMPROVEMENT IN LAMPS FOR HALLS, GARDENS, &c.

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, ADELBERT W. WEHRHAN, of Columbia, in the district of Richland and in the State of South Carolina, have invented certain new and useful Improvements in Lamps; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and arrangement of a lamp, suitable for halls, gardens, &c.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a side view, part in section, and

Figure 2 is a horizontal section of my lamp.

Figure 3 is a perspective, showing the form of the glass used.

A represents the bottom, provided with an aperture and suitable mechanical devices for inserting and retaining a common kerosene-lamp, B.

C represents the top, connected by suitable rods with the bottom A, both being constructed in any desired manner.

The top C is suspended by chains *a a* from a disk, E, which is provided with a loop or other suitable device, to be hung up wherever it is desired to use the lamp.

In the center of my lamp, a suitable distance above the top of the chimney D for the lamp B, is a pivot, *b*, supported in any suitable manner. On this pivot is hung a revolving frame, constructed in the following manner:

The top is composed of a series of wings, *f f*, radiating from a small central disk, *e*, on the under side of which is a small indentation or recess for the point of the pivot *d*. Around the outer ends of the wings *f f* is a rim or ring, *g*, from which rods *h h* descend vertically to near the bottom A, and at their lower ends is a similar rim or ring connecting them.

Around this frame are fastened ribbons or strips, *i i*, of paper or canvas, &c., of different colors, in a perpendicular or an oblique way. The latter arrangement is necessary to produce the beautiful effect of giving all the different colors the appearance of a flow of water when the frame revolves around the light in

the lamp B. Under the pivot *d*, between it and the top of the chimney D, is affixed an inverted cup, G. The heat from the lamp B, ascending and striking this cup, creates a current of rarefied air around its edges, which air passes upward, and has sufficient force, when striking the wings *f f* to revolve the frame on its pivot.

On the inside of the bottom A and the top C is place a rim or ring, *m*, leaving, as it were, a circular recess between it and the shell of the top or bottom, in which recesses all around the lamp is inserted a series of half-round or prismatic glass sticks I I, which are necessary to prevent the distinct visibility of the strips or ribbons *i i*.

When the lamp is lighted the frame revolves, and, from the outside, it has the appearance of a flow of water.

Having thus fully described my said invention,

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

1. A revolving frame, provided with a series of strips or ribbons of different colors, fastened either perpendicularly or obliquely, substantially as and for the purpose herein set forth.

2. The revolving frame, consisting of the central disk *e*, wings *f f*, rims *g g*, and rods *h h*, with the different colored strips *i i*, substantially as and for the purposes herein set forth.

3. In combination with the revolving frame *f g h*, constructed as described, the pivot *d*, inverted cup G, and lamp B, substantially as and for the purposes herein set forth.

4. In combination with a revolving frame having a series of strips or ribbons of different colors fastened around it, a series of half-round or prismatic glass sticks arranged outside of said frame, substantially as and for the purposes herein set forth.

5. The combination of the bottom A, top C, rims *m m*, glass sticks I I, lamp B, cup G, revolving frame *f g h*, and strips *i i*, all constructed and arranged to operate substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand this 12th day of February, 1870.

A. W. WEHRHAN.

Witnesses:

ALBERT M. BOOZEE,

FERDINAND MICHAELIS.