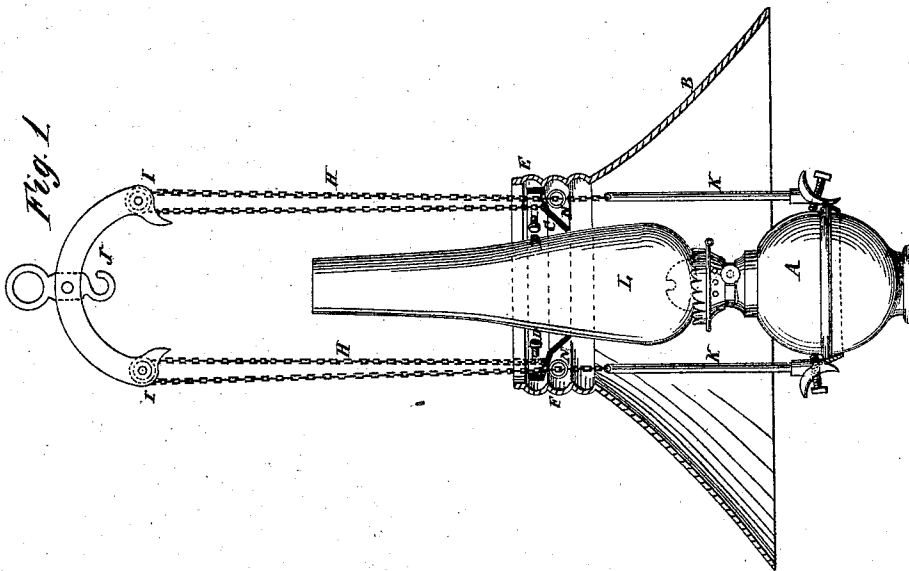
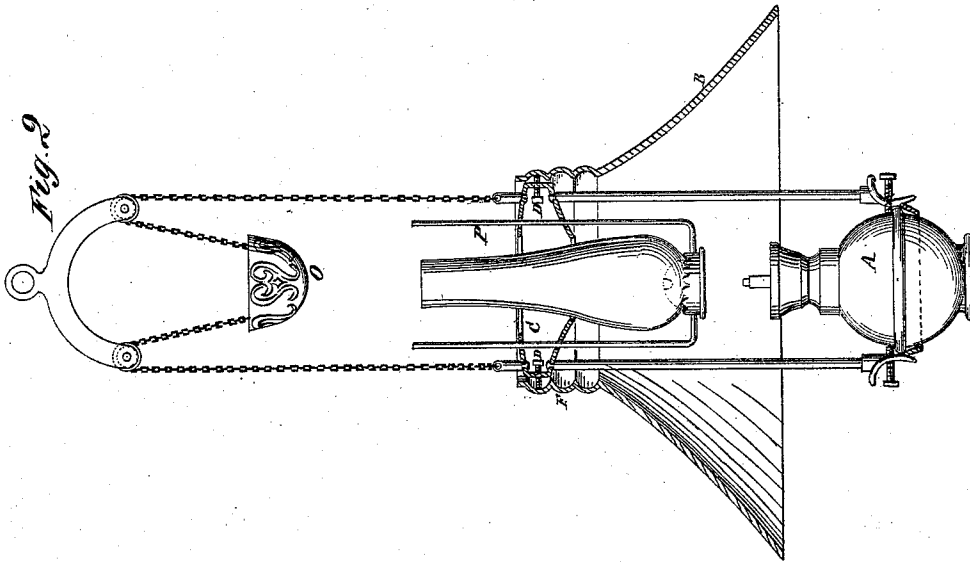


R. MARSH.
Suspension Lamps.

No. 150,770.

Patented May 12, 1874.



WITNESSES.

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UNITED STATES PATENT OFFICE.

RIVERIUS MARSH, OF NEW YORK, N. Y.

IMPROVEMENT IN SUSPENSION-LAMPS.

Specification forming part of Letters Patent No. **150,770**, dated May 12, 1874; application filed January 5, 1874.

To all whom it may concern:

Be it known that I, RIVERIUS MARSH, of the city, county, and State of New York, have invented a new and useful Improvement in Suspension-Lamps, of which the following is a specification:

The invention will first be fully described, and then pointed out in the claims.

In the accompanying drawing, Figure 1 is a vertical section representing a lamp suspended according to my invention. Fig. 2 is a lamp where the suspension-plate is differently applied.

In the former case the plate and the shade are made to balance the lamp. In the latter case a weight is employed, and the lamp and the shade retain the same in relative position.

A is the lamp; B, the shade; C, the suspension-plate. This plate may be made in any form to serve as a reflector to throw the rays of light downward. The plate is fastened to the shade by means of screws D, which pass through the vertical flange E, and enter one of the corrugations F in the shade, as seen in the drawing. H are the suspension-chains, one end of each of which is attached to the plate C. The other ends are carried up and passed over pulleys I in the suspension-bracket J, and then down through holes in the plate, and are attached to the rods K K, which are fast to the lamp. By this arrangement the plate C and the shade B are made to balance the lamp. L is the chimney, which is attached to the cone of the burner by any of the different modes, so that it can be readily removed for filling, lighting, or extinguishing the lamp. When this is done the lamp is drawn down so that the shade will not

interfere with the chimney when the latter is turned down. N N are rings in the chains, which, when the lamp is raised, stop it in the right position, as they will not pass through the holes in the plate C with the chain. In Fig. 2, O represents the weight which balances the lamp and the shade. The two latter retain their relative position, and are raised and lowered together, the chimney being provided with guides P, which pass through the plate C, and is lifted up, as represented, for filling, lighting, and extinguishing the lamp. The lamp is also connected with the plate C by means of rods, as seen in the drawing. Ornamental pieces, of any design, may be attached to the plate C, so as to hang over the top or below the shade. The plate C may be made double or single, as may be desired. This plate C is essentially a combination-plate, as it serves as a reflector, as well as for attaching the suspension-chains, and serving as a guide and as a base for ornamentation.

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

1. The plate C, suspended from lamp-chains and attached to and within a shade, B, substantially as described, to serve both as a reflector and connection between the lamp and shade, allowing either to be raised or lowered.
2. The combination of the screws D, plate-flange E, and corrugated shade-neck, as and for the purpose specified.

RIVERIUS MARSH.

Witnesses:

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750