D. T. Hubbell.

Suspending Lamps.

No. 64,319. Patented Apr. 30, 1867.

Fig. 2.

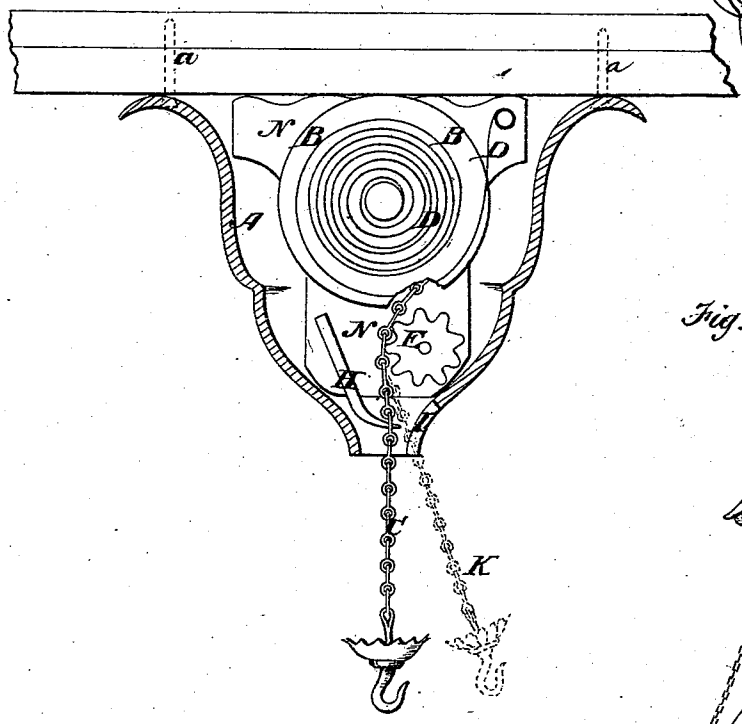
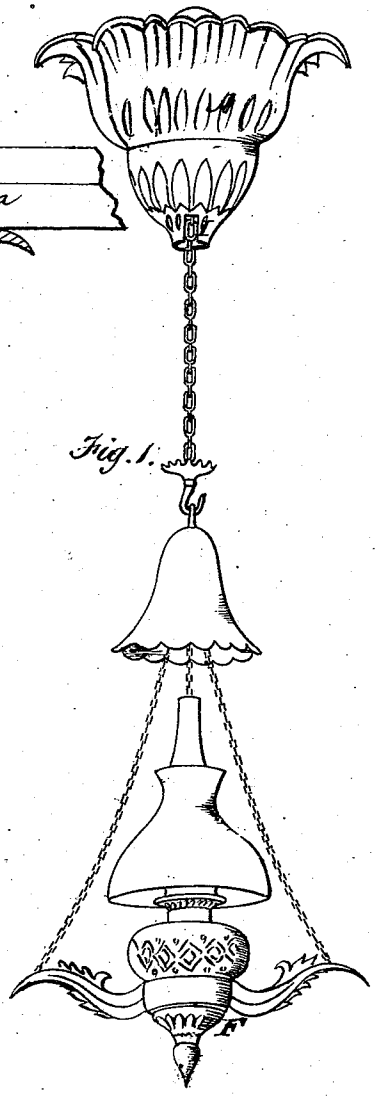


Fig. 1.



Witnesses.
Nathan Tenley
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Inventor
Harris J. Hubbell

United States Patent Office.

DAVID T. HUBBELL, OF BETHEL, CONNECTICUT.

Letters Patent No. 64,319, *dated April* 30, 1867.

IMPROVED DEVICE FOR SUSPENDING 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, DAVID T. HUBBELL, of the town of Bethel, in the county of Fairfield, and State of Connecticut, have invented an improved Method of Suspending Lamps; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure 1 is a perspective view; and

Figure 2 is a vertical section, showing the operation of the working parts.

A is the pendant or case, in which the working parts are placed, and is fastened to the ceiling of the room by the screws *a a*. B, fig. 2, is the drum-wheel, on which the suspending chain C is wound, by the action of the spring D. E is a corrugated roller, over which the chain C works as the lamp F is raised or lowered, and causing the lamp F and chain C always to hang from the centre of the pendant A when at rest. The claws or points H are so placed that whenever the chain C falls to its natural or perpendicular position, they catch and hold the chain C and lamp F at that point, the claws H being bent so as to be certain in their action, and prevent further movement of the chain up or down, accidentally or prematurely. I is a slot in the pendant A, which permits the chain C to swing out one side as at K, thus releasing the chain C from the claws H, and permitting the lamp F to be adjusted to any desired position through the action of the spring D; and when so adjusted and brought back to its perpendicular position, it is again securely fastened by the action of the claws H. N is the frame in which the several parts work, made to facilitate the manufacture and adaptation of its several parts, and so as to fit the inside of the pendant A, and when made to complete the whole by setting it into the pendant A, when it is ready for application and use. M is a rod, to which the stationary end of the spring D is fastened.

My invention consists in having the drum B so made and arranged in combination with the roller E that whenever the suspending chain C falls to the perpendicular, it will always hang from the centre of the pendant A, thus obtaining and preserving that harmony of appearance which is always desirable, and which is not secured with the conical drum arrangement in Harrison Weed's patent lamp adjuster, No. 59,689, 1866, and the motion sideways of the chain in it. It further consists in the combined action of the roller E and the claws H, by which the chain C is caught with certainty, when the chain falls to the perpendicular position, thus preventing the danger of breaking the lamp in being suddenly drawn up by the action of the spring D; also, in having all the working parts fitted properly into the frame N, which is made to fit the inside of the pendant A, so as to secure prompt and positive action of all the several parts; and in those several parts I claim it as an improvement on Harrison Weed's patent lamp adjuster, No. 59,689, issued in 1866.

1. I claim the arrangement and combination of the mechanism consisting of the drum B, spring D, roller E, claws H, and chain C, with frame N, as and for the purpose set forth.

2. I claim the pendant A, with its central opening and slot I, in combination with the above operating mechanism, as and for the purpose set forth.

DAVID T. HUBBELL.

Witnesses:

NATHAN SEELEY,

AMANDA B. SEELEY.