

J. L. WASHBURN.
Lamp-Pendants.

No. 157,730.

Patented Dec. 15, 1874.

Fig. 1.

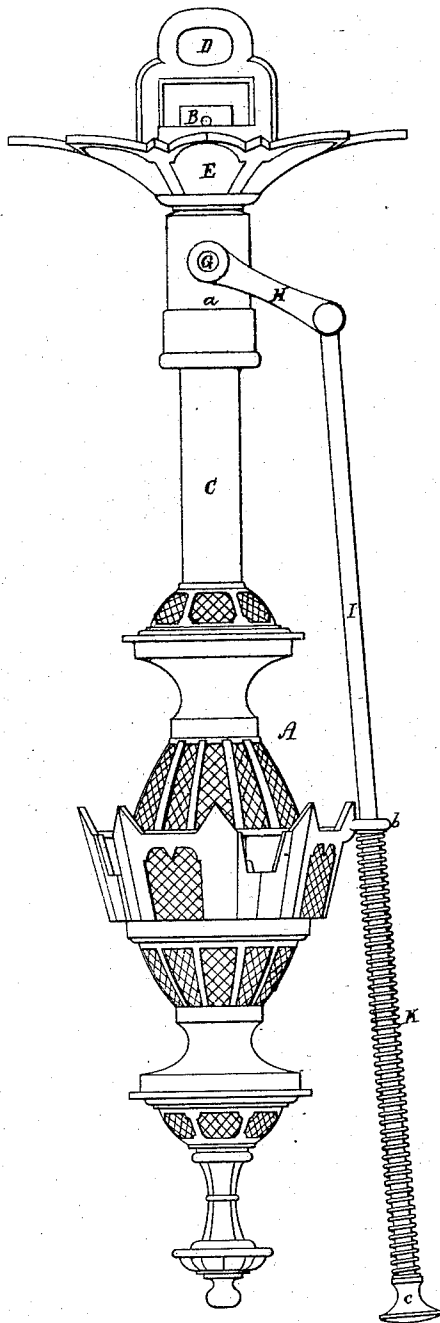
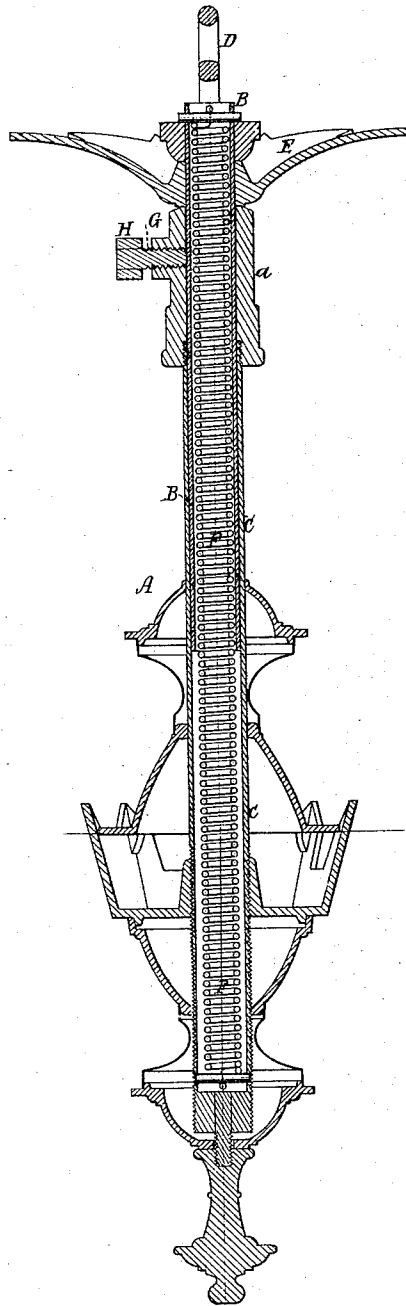


Fig. 2.



Witnesses.
S. W. Piper.
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UNITED STATES PATENT OFFICE.

JAMES L. WASHBURN, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN LAMP-PENDANTS.

Specification forming part of Letters Patent No. 157,730, dated December 15, 1874; application filed October 22, 1874.

To all whom it may concern:

Be it known that I, JAMES L. WASHBURN, of Boston, of the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Gas-Burner or Lamp Pendants; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is front elevation, and Fig. 2 a transverse and longitudinal section, of a pendant provided with my invention.

Such invention relates to extension-pendants, gasaliers, or chandeliers; and consists in a clamp-screw, its operative arm, rod, and spring arranged with and applied to the pendant-body, and its support-tubes provided with a counterbalance or spring, all as hereinafter explained; also, the said spring arranged in and applied to the said tubes in manner as hereinafter described and as represented.

In the drawings, A denotes the body or stock of a pendant as provided with telescope supporting or conduit tubes, B C. The upper of such tubes slides within the other, and, as shown, is furnished with a hanger, D, fixed upon it at or near its upper end, there being below the hanger a rosette, E. Within the two tubes is a long helical balancing or connecting spring, F, which at top is attached to the upper part of the tube B, and at bottom to the lower part of the tube C. Furthermore, a clamp-screw, G, screws laterally into the head or cap part *a* of the tube C and against the tube B, and is provided with an arm, H, such arm being extended from the screw at a right angle. The said arm, at or near its outer end, is jointed to a rod, I, which goes down loosely through an ear, *b*, projecting from the body of the pendant. This rod, at its lower end, is provided with a head, *c*, between which and the ear *b*, and resting against them and encompassing the rod, is a helical spring, K, all being arranged as represented.

The elastic force of extension of the spring tends to depress the rod, and cause it to draw downward the arm, and set the clamp-screw hard up against the tube B.

In order to extend the pendant we should

first grasp the lower part of it between and by the fingers of one hand, and force the rod upward with the thumb, and while it is so forced upward we are to pull downward upon the said lower part. As soon as the body of the pendant may have been brought down far enough, we should relieve the rod from the pressure of the thumb, in order that the spring or the rod may draw the rod downward, and cause the clamp-screw to hold the parts in position.

To effect the raising of the pendant we take hold of it at its lower part, and force the rod upward. The spring in the conduit-tubes, by its elastic force, will raise or aid in elevating the pendant, which, having attained the desired height, may be there maintained by the clamp-screw.

I do not claim, in combination with an extension-chandelier, supporting-springs and a check-lever provided with an operative cord and spring, all as shown in the United States Patent No. 93,927.

In my improved pendant the counterbalance-spring is arranged within tubes B and C, and consequently is out of sight, and protected by them from dirt; and, instead, of a friction check-lever to gripe the upper tube on opposite sides, I use a clamp-screw to act against one side of it; and with such I use the arm H, rod I, and spring K, the rod serving to force the arm upward, and the spring to draw it downward. Furthermore, the spring encompasses the rod and bears against the part *b*, projecting from the body of the pendant, all being very effective, certain, and not liable to accident, comparatively speaking.

I claim—

The pendant-body A, the tubes B C, the head *a*, and the counterbalance-spring F, arranged in and applied to the tubes B C, as described, in combination with the screw G, arm H, rod I, and spring K, arranged with and applied to the head *a* and body A, all being as specified and represented.

JAMES L. WASHBURN.

Witnesses:

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