

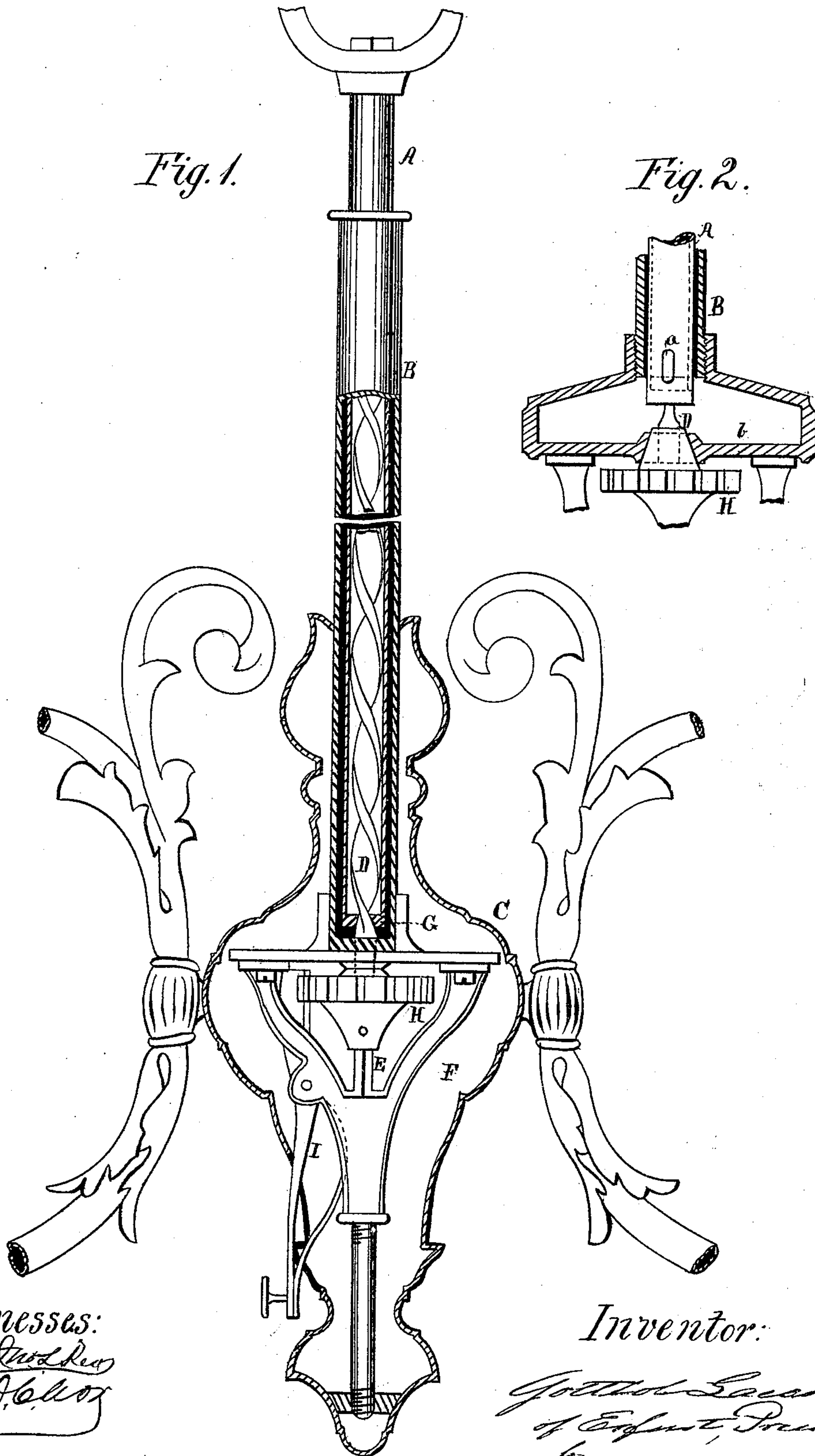
G. LAESKER.  
DROP-LIGHT CHANDELIER.

No. 175,611.

Patented April 4, 1876.

Fig. 1.

Fig. 2.



Witnesses:

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# UNITED STATES PATENT OFFICE.

GOTTLÖB LAESKER, OF ERFURT, ASSIGNOR TO BERLIN LAMP AND BRONZING MANUFACTORY, OF BERLIN, PRUSSIA.

## IMPROVEMENT IN DROP-LIGHT CHANDELIERS.

Specification forming part of Letters Patent No. 175,611, dated April 4, 1876; application filed January 10, 1876.

*To all whom it may concern :*

Be it known that I, GOTTLÖB LAESKER, of the city of Erfurt, Kingdom of Prussia, have invented certain Improvements in Chandeliers, Gasaliers, and other Pendent Lamps, of which the following is a specification :

The object of the present invention is to supersede the use of weights, springs, and other contrivances for counterpoising or balancing chandeliers, gasaliers, and other pendent or sliding lamps, thus simplifying the construction and operation of such lamps, and rendering the same less liable to get out of order.

The invention consists in the combination of a spirally twisted or ribbed stem, forming a quick-threaded screw, with a suspended or pendent lamp, chandelier, or gasalier. The screw is journaled at its lower end upon a pivot or step on the chandelier or lamp casing, and passes through a correspondingly-grooved end plate of a stationary tube affixed to the ceiling of the room, so that, when the screw is released or unlocked from the chandelier or lamp, it will be caused to turn or revolve by the weight of the chandelier or lamp, so as to permit the latter to descend gradually, without turning, until it is desired to arrest the same, when a spring-pressed locking-lever on the chandelier-casing is made to engage with a notched disk on the screw, thus locking the same to the chandelier, and, consequently, arresting the movement of the same.

In the accompanying drawings, Figure 1 is a vertical sectional view of a chandelier or lamp suspended according to my invention. Fig. 2 is a detail view, showing the manner of applying my invention to a gasalier.

The letter A designates a stationary supporting-tube, which is affixed in a suitable manner to the ceiling of a room or other object. Upon this tube slides another tube, B, which carries the chandelier, gasalier, or lamp C, and guides the movement of the same. A spirally ribbed or twisted stem, D, forming a quick-threaded screw, is journaled at its lower end upon a pivot, stud, or step, E, within the shell or casing F of the chandelier, said screw passing through a bottom or end plate, G, of the tube A into the same, as is shown in Fig. 1. The screw carries or has attached to it a

notched or toothed disk, H, which is arranged in juxtaposition to a pivoted spring-pressed lever, I, that is pivoted within the lamp or chandelier shell, and operates through a slot in the same, so as to engage with said disk for locking the screw to the chandelier and preventing the movement of the latter. When it is desired to lower the lamp or chandelier, the spring-lever is disengaged from the toothed disk by the thumb of the operator. This being done, the weight of the chandelier will cause the screw to revolve or turn voluntarily, thus working down the chandelier or other object in a gradual or easy manner, and without any, or, at most, only a slight, exertion on the part of the operator. When it is desired to arrest the descent of the chandelier, the spring-lever is released, so as to cause it to engage with the toothed disk for locking the screw or preventing it from rotating. The tube B attached to the chandelier serves to guide and steady the movement of the same, and to conceal and protect the operating-screw.

In Fig. 2 is shown the adaptation of the suspending device to a gasalier, the tube A being, in this instance, connected with a gas-pipe, and provided with an opening, a, for admitting gas into the shell or gas-chamber G, to which the burner-tubes are applied.

I am aware of the existence of a gasalier which is provided with a spirally-ribbed drop-light tube, that serves to wind up a coiled spring when it is moved in a downward direction, said spring being employed for the purpose of raising the tube or returning it to its normal position.

I do not propose to claim, broadly, a spirally-ribbed stem, or the use of a screw in a chandelier or drop-light, but only the means of applying and combining the screw with the other parts so as to enable a chandelier or gasalier to receive a sliding movement without turning the same, and to operate or rotate the screw by the weight of the chandelier, in the manner set forth.

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

1. The combination, in a chandelier, gasa-

2  
lier, or pendent lamp, of a revolving screw or spirally-twisted stem, D, with fixed suspension-tube A, chandelier C, and a device for locking the screw to the latter, substantially as herein set forth.

2. The combination of the revolving screw D, notched or toothed disk H, and spring-

pressed locking-lever I with the chandelier C, fixed tube A, and sliding tube B, as and for the purpose set forth.

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Witnesses:

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