Robert F. White's Impt in Chandeliers

117131

Centre light Fixtures.

PATENTED JUL 18 1871

Fig 1.

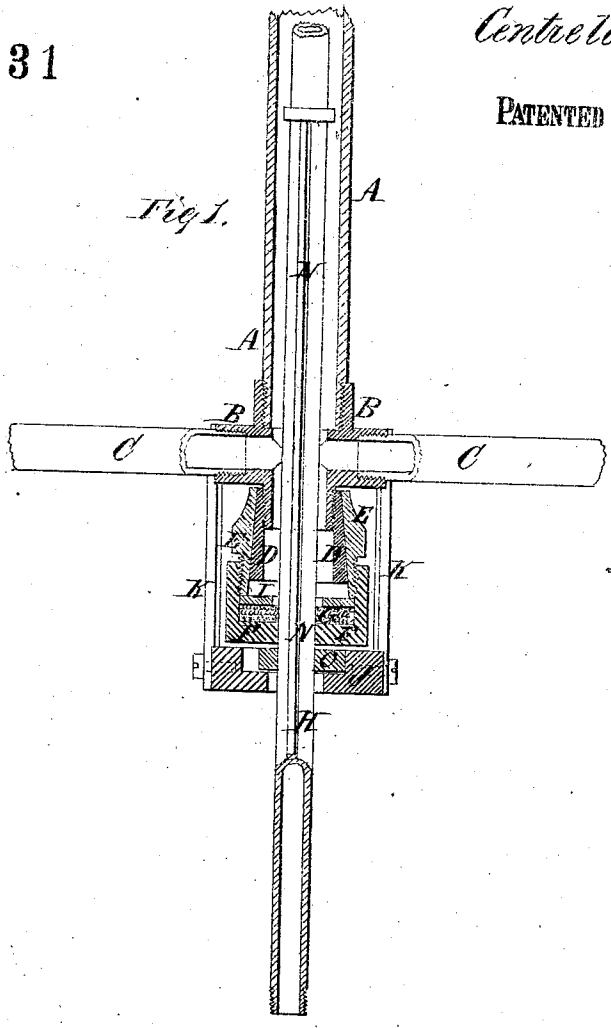
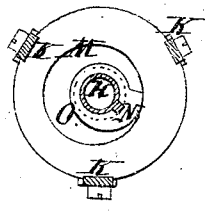


Fig 2.



Witnesses

Henry Lewis

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UNITED STATES PATENT OFFICE.

ROBERT F. WHITE, OF HOBOKEN, NEW JERSEY.

IMPROVEMENT IN CENTER-LIGHT FIXTURES FOR CHANDELIERS.

Specification forming part of Letters Patent No. 117,131, dated July 18, 1871.

To all whom it may concern:

Be it known that I, ROBERT F. WHITE, of the city of Hoboken, in the county of Hudson and State of New Jersey, have made certain new and useful Improvements in Chandelier Center-Light Fixtures, of which the following is a specification:

In the ordinary fixtures for the center light of chandeliers, chains, pulleys, and balance-weights are employed to station the center light at the desired height. In order to permit the said weights to balance the said light freely the sliding supply-tube of said light cannot be packed very tightly, and consequently its packing allows a frequent leakage.

The nature and object of my invention are, first, to substitute the said pulleys, chains, and balance-weights with an eccentric sleeve upon the said tube to act in combination with certain stopping attachments on the chandelier distributing-socket, by means of which said tube and light may be made stationary at the desired height without requiring said tube to be packed loosely and allowing it to leak; and the object of my invention is, secondly, to provide the distributing-socket of the chandelier with a stuffing-box to pack said supply-tube properly gas-tight while providing it at same time to turn freely. By these means the fixture can be operated readily, and is not liable to the usual leakage, and in dispensing with the balance-weights and chains and pulleys the fixture is rendered more simple, more applicable, less liable to be disarranged, and can be produced for a great deal less expense than those heretofore known or used.

In the annexed drawing, Figure 1 represents a vertical central section of the working parts of the center-light fixtures, constructed according to my invention. Fig. 2 is a horizontal section of the same taken below the stuffing-box of the distributing-socket of the chandelier.

Similar letters of reference indicate corresponding parts in the several figures.

A represents the chandelier supply-tube, on the end of which the distributing-socket B is secured. C C are the branch-pipes of the chandelier, which are screwed in said socket. The lower end of this socket has a nozzle, upon which a conically-turned nipple, D, is secured, which has its larger part downward. Upon this conical nipple is fitted a socket, E, and upon the lower end of the socket is fitted and screwed the bowl F of the stuffing-box, which contains, at G, leather, cotton, or other packing, or stuffing, around the supply-tube H of the center light, which passes centrally through it, so that the packing at G may be adjusted to be more or less tight around said tube by means of screwing the said bowl more on or off the said socket. A washer, I, may be used upon the packing to distribute the pressure equally upon it. The nipple D is accurately and smoothly fitted in the socket E, and they are ground together to have a proper gas-tight joint between them. J represents a circular plate located below the bowl F. It is secured to the distributing-socket B by means of short rods K extending down from said socket to said plate. The supply-tube H of the center light has a longitudinal projection or feeder, N, along it, and the plate J has an eccentric cavity, M, in its upper face, in which I employ an eccentric sleeve, O, through which the tube H passes freely, the said sleeve having a notch cut out to fit over the feeder N on the said tube, so that the said tube and center light may be moved up or down readily, but when turned will cause the periphery of the sleeve O to come in contact with the inner periphery of the cavity M, by means of which the tube H is stopped and clinched tight, so that said tube and light may be readily slid up or down, When adjusted to the desired height the tube is turned and caused to remain stationary, unless turned back.

Having fully described my invention, and the manner in which the same is constructed and operated, what I claim, and desire to secure by Letters Patent, is—

1. The sleeve O and cavity M, when combined with the tube H and socket B, substantially as and for the purpose herein stated.

2. The nipple D, in combination with the socket E and bowl F, when operated and applied in combination with the tube H and sleeve O, substantially as and for the purpose herein described.

In witness whereof I hereunto set my hand this 12th day of June, 1871.

ROBT. F. WHITE.

Witnesses:

HENRY LEWIS,

R. BOEKLEIN.