

(No Model.)

R. H. BEST.
METHOD OF VARYING LEVEL AND POSITION OF GAS, ELECTRIC,
OR OIL LIGHTS.

No. 561,196.

Patented June 2, 1896.

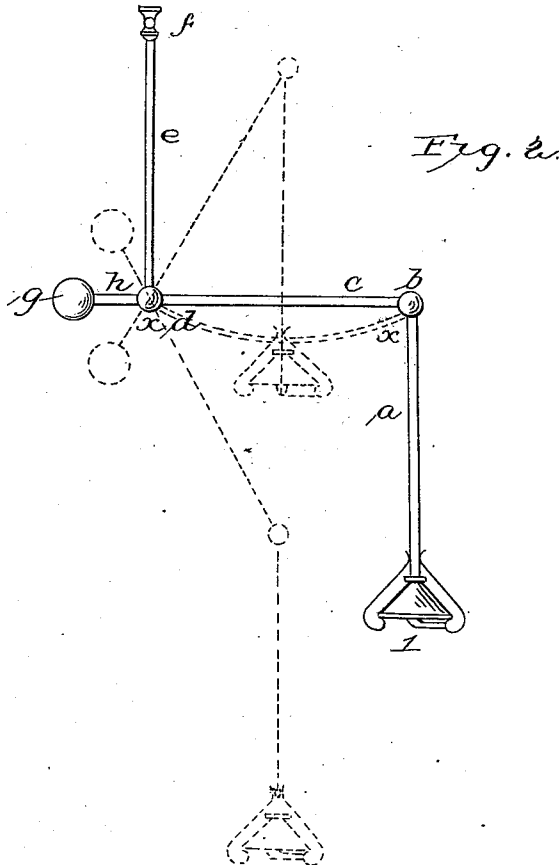


Fig. 2.

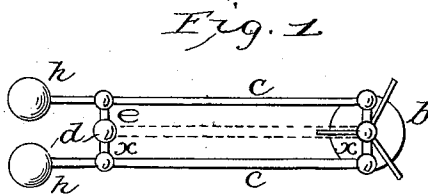


Fig. 1.

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UNITED STATES PATENT OFFICE.

ROBERT HALL BEST, OF HANDSWORTH, ENGLAND.

METHOD OF VARYING LEVEL AND POSITION OF GAS, ELECTRIC, OR OIL LIGHTS.

SPECIFICATION forming part of Letters Patent No. 561,196, dated June 2, 1896.

Application filed July 11, 1893. Serial No. 480,191. (No model.)

To all whom it may concern:

Be it known that I, ROBERT HALL BEST, a subject of the Queen of Great Britain and Ireland, and a resident of Handsworth, in the county of Stafford, England, have invented a certain new and useful Improved Method of Varying the Level and Position of Gas, Electric, or Oil Lights, of which the following is a specification.

This invention refers more particularly to the means of raising and lowering the center light in such lamps as are usually known as "suspension," "shade," or "reflector" lamps, but is also applicable to a variety of lamps, as set forth in this specification.

The particular features of invention will be described hereinafter, and pointed out in the claim.

Referring to the drawings, which form a part of this specification, Figure 1 is a plan of one of my suspension-lamps as seen from above; and Fig. 2, an elevation of the same, showing in dotted lines some of the various positions into which the light may be placed.

a is the rod of the center light *l*, attached to the crank *c* by means of the swivel-joint or other suitable joint *b*, corresponding to the gudgeon or crank-pin in a crank for the purpose of keeping the rod *a* always in a perpendicular position.

c is the crank-arm attached to the descending rod *e* at the joint *d*, the said joint *d* corresponding to the axle of a crank. The rod *e* is hung by the ordinary suspending-screw or by the ordinary ball-joint *f*.

h h are the extended portions of the crank carrying the counterpoise-weights *g*.

By constructing these center or reflector lights in this way they can be placed and counterpoised in a variety of positions—such, for instance, as indicated in dotted lines—with the greatest possible ease.

Although in the drawings I have shown two arms *c* and counterpoise-weights *g*, I can, if desired, use one or more of either, and I do not confine myself to but one descending rod *e*.

The arms *c* may be used to carry the gas or

the electric wire, or in the case of the use of gas a flexible tube *x* to *x* may be employed, and in the case of the use of electricity the wires may be independent of the arm or arms *c* and carried in the same way as the flexible tube.

The arm *c* in its described mode of application may be adapted to carry oil, candle, or other lights or any form of lamp or lantern.

Referring to the drawings, it will be seen that if the rod *e* be extended downward to carry an ordinary gas or other chandelier the arm *c* may be made long enough to enable the lamp *l* to extend when drawn down outside the lights of the chandelier. This arrangement for raising and lowering the light may be applied to wall-bracket lights or standard lamps, in which cases they may be applied to gas, electric, oil, or candle lamps or lights. By this arrangement a lamp when drawn up, extending from the ceiling three feet, may be drawn down so as to extend six feet from the ceiling, and such a lamp having a crank-arm one foot six inches long will enable the light to be placed over any spot situated within a circle having a diameter of three feet.

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

In a gas or oil lamp pendant; in combination, a tube rotatably suspended from a ball-socket attached to a support; a lever pivoted from a joint at the lower end of the tube; a weight at one end of the said lever balancing a vertically-suspended tube jointed at one end to the lever which tube carries at its lower end a burner or lamp and its connection, the weight being sufficient to balance the burner or lamp and its connection, the whole combination allowing of vertical and horizontal adjustment of the position of the center of illumination.

In witness whereof I have hereunto set my hand in presence of two witnesses.

ROBERT HALL BEST.

Witnesses:

HENRY F. TALBOT,

W. BERNARD CURRALL.