

(No Model.)

F. F. WARD.
HANGING LAMP SUPPORT.

No. 419,575.

Patented Jan. 14, 1890.

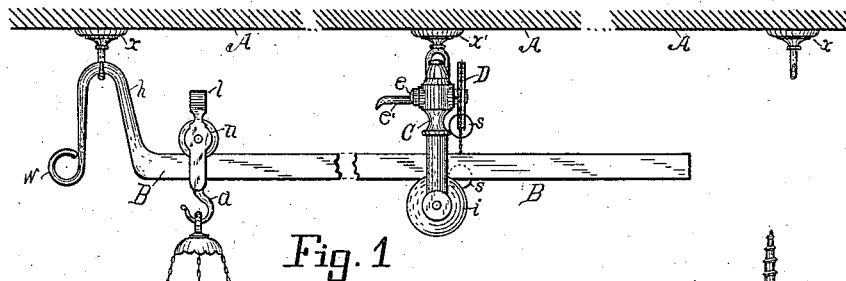


Fig. 1

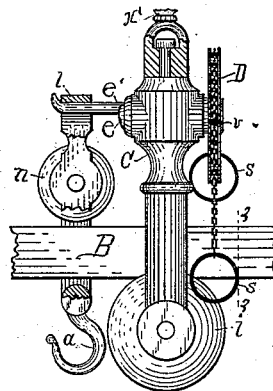
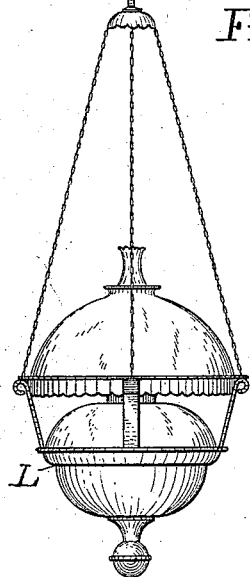


Fig. 2

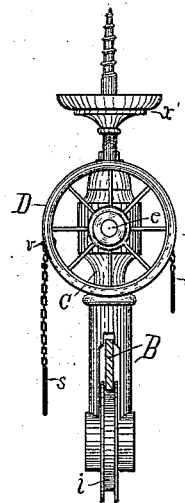


Fig. 3

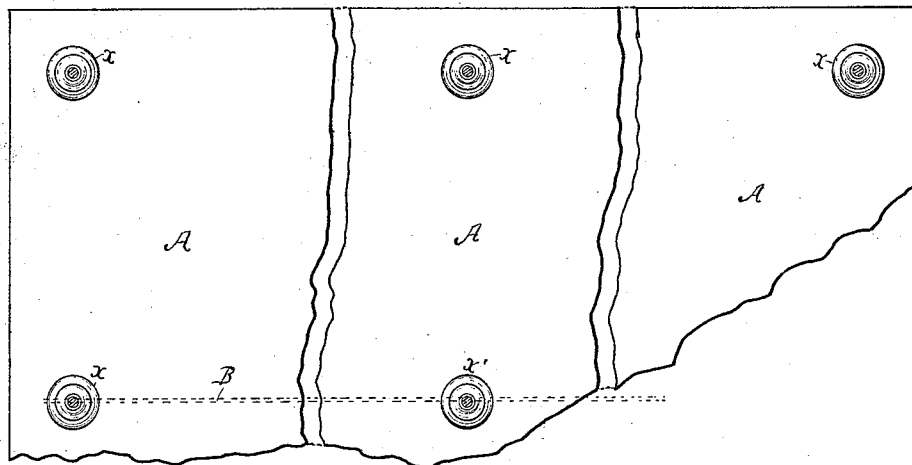


Fig. 4

Witnesses:

Walter S. Hood
S. H. Burke

Inventor.

Frank F. Ward

By Lewis C. West

Atty

UNITED STATES PATENT OFFICE.

FRANK F. WARD, OF KALAMAZOO, ASSIGNOR TO MARTIN HOLLAND, OF
DIAMOND LAKE, MICHIGAN.

HANGING-LAMP SUPPORT.

SPECIFICATION forming part of Letters Patent No. 419,575, dated January 14, 1890.

Application filed March 26, 1889. Serial No. 304,822. (No model.)

To all whom it may concern:

Be it known that I, FRANK F. WARD, a citizen of the United States, residing at Kalamazoo, county of Kalamazoo, State of Michigan, have invented a new and useful Adjustable Lamp-Support, of which the following is a specification.

The object of this invention is to construct an adjustable support for a hanging lamp for attachment to the upper wall of a room, whereby the lamp may be situated at different places in the room and readily shifted from one place to another by said support.

In the drawings forming a part of this specification, Figure 1 is a side elevation; Fig. 2, lettered details from Fig. 1, enlarged; Fig. 3, a view looking from a point at the right of Fig. 2, with part in section on line 3 3 in Fig. 2; and Fig. 4 is a broken plan of an upper wall of a room.

Referring to the lettered parts of the drawings, A is the upper or overhead wall of a room.

At C is a pendent support composed of two swiveled parts C X', Figs. 2 and 3, and designed for central attachment to the wall A by means of the screw part X', Figs. 1 and 4. The lower end of the support C is slotted and provided with a roller *i*.

The bar B, of any suitable material and any desired shape in cross-section, is passed through the slot of the support C and rests on the roller *i*. Above the bar B a shaft *e* is journaled in the support C, said shaft having a lever or, as here shown, a lever-wheel D on the back end. A portion of the forward end of the shaft *e* is cut away, leaving a projection *e'* at one side of the axial center of said shaft.

At *l* is a loop bearing a roller *n*, resting on the bar B, and having below said bar a hook *a*, upon which the lamp L is suspended. In the corners of the room and at the sides it is designed in using the lamp-support to employ hooks *xx*, pendent from the wall A overhead. The forward end of the bar B has a hook *h*, which hooks over one of the hooks *x* and supports this end of the bar B. The hook *h* has a ring *w* at the end to catch a hooked rod to operate the support by said rod. (Not here shown.)

The bar B is shown in dotted lines in Fig. 4 in the position it occupies in Fig. 1, and in this position the lamp is situated at one side of the room at or near the center. To change the lamp so as to situate it in the corner of the room, it is necessary to draw the bar B farther forward. To accomplish this it is desirable to relieve the bar B from the support of the lamp L. To effect this the loop *l*, with the lamp, is rolled or moved to the central support C, and the top of the loop *l* receives the projection *e'*. The shaft *e* is then given a half-revolution by pulling on one of the rings *s* of the chain *v*, which action raises the loop *l*, and thus relieves the bar from supporting the lamp. (See Fig. 2.) When in this condition, the bar is carried forward and swung obliquely, owing to the swivel of the support C, said bar riding on the roller *i* during its forward action, and is hooked on the corner hook *x* of the room. The shaft *e* is then turned so that the wheel *n* of loop *l* will rest on the bar B, and the lamp is run to the corner of the room and hangs, the same as in Fig. 1, at the end of bar B. On this principle or plan of operation the lamp may be situated at any desired point in a room. The projection *e'* is really a crank or an eccentric of the shaft *e*, and should be properly termed such.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. An adjustable lamp-support comprising a pendent support slotted at the lower end and provided with the roller, a bar adapted to slide in said slot upon said roller at one end and provided with a hook at the other end, a supporting-hook, into which the hooked end of the sliding bar is caught, and a lamp support or carriage adapted to traverse said sliding bar, substantially as set forth.

2. The combination of the pendent support for attachment to the upper wall of a room, consisting of the two parts swiveled together, a bar having one end held up by said support and forming a sliding attachment therewith, means for supporting the other end of said bar, and a lamp support or carriage adapted to traverse said bar and be supported thereby, substantially as set forth.

3. The combination of the pendent support, a sliding bar sustained at one end by said support, a shaft journaled in said support above the sliding bar, said shaft having a forward extension eccentrically to the axial center of said shaft, a support for the other end of the sliding bar, and the lamp-support adapted to traverse said bar and having a loop at the upper end to receive said extension
10 of the shaft, substantially as set forth.

4. The combination of the pendent support composed of the two swiveled parts, said support having the slotted end and a roller therein, and the rotatable shaft above said
15 slot having an operating crank or wheel at one end and an extension at the other end

eccentrically to the axis of said shaft, a sliding bar adapted to pass through the slot of the pendent support and slide on the roller, the forward end of said bar having a hook, a
20 hooked support to support the hooked end of said bar, and a lamp-support consisting of the loop having the roller resting on the sliding bar, substantially as set forth.

In testimony of the foregoing I have here-
25 unto subscribed my name in presence of two witnesses.

FRANK F. WARD.

Witnesses:

E. E. BROWNSON,
F. BONFREY.

575.

It is hereby certified that Letters Patent No. 419,575, granted January 14, 1890, upon the application of Frank F. Ward, of Kalamazoo, Michigan, for an improvement in "Hanging-Lamp Supports," was erroneously issued to "Martin Holland" as owner of the entire interest in said invention; that said Letters Patent should have been issued to the inventor *Frank F. Ward and said Martin Holland, jointly*, said Holland being the assignee of one-half interest only in said patent, as shown by the record of assignments in this Office; and that the Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed, countersigned, and sealed this 11th day of February, A. D. 1890.

[SEAL.]

CYRUS BUSSEY,

Assistant Secretary of the Interior.

Countersigned:

C. E. MITCHELL,

Commissioner of Patents.