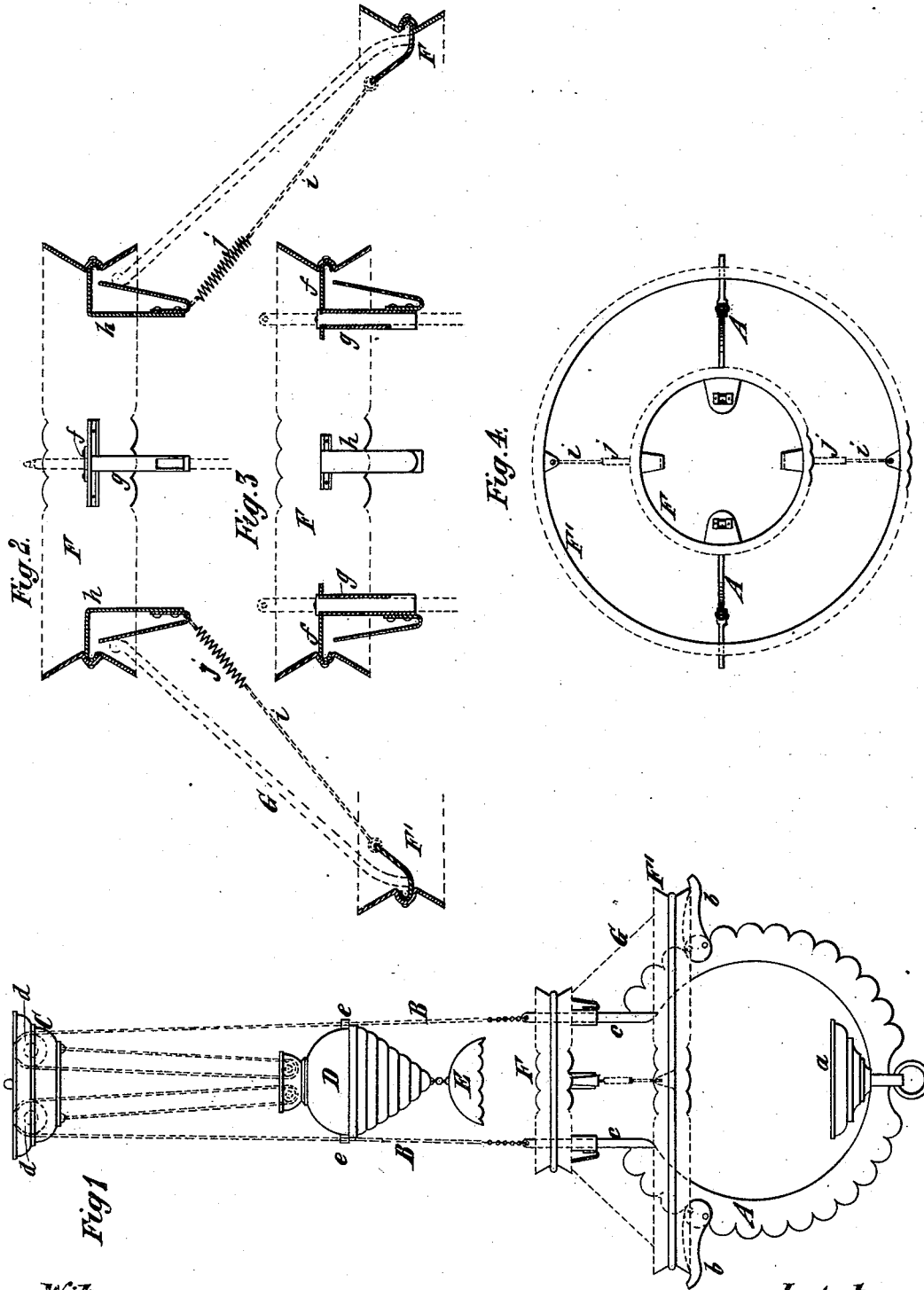


(No Model.)

N. JENKINS.  
SUSPENSION LAMP.

No. 306,927.

Patented Oct. 21, 1884.



Witnesses  
G. C. Thomas  
H. H. Walker

Inventor  
Nicholas Jenkins

# UNITED STATES PATENT OFFICE.

NICHOLAS JENKINS, OF WATERBURY, CONNECTICUT, ASSIGNOR TO HOLMES,  
BOOTH & HAYDENS, OF SAME PLACE.

## SUSPENSION-LAMP.

SPECIFICATION forming part of Letters Patent No. 306,927, dated October 21, 1884.

Application filed December 31, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, NICHOLAS JENKINS, of Waterbury, in the county of New Haven and State of Connecticut, have invented a new and  
5 useful Improvement in Lamps, of which the following is a specification.

I will describe in detail a lamp-fixture embodying my improvement, and then point out the various features in the claims.

10 In the accompanying drawings, Figure 1 is a side view of a lamp-fixture embodying my improvement, certain parts being shown in section. Fig. 2 is a vertical section, on a larger scale, of the shade-holder of the lamp-fixture.

15 Fig. 3 is a vertical section of the upper part of the shade-holder; drawn to the same scale as Fig. 2, but the section being taken in a plane at right angles to that in which Fig. 2 is taken; and Fig. 4 is a plan or top view of  
20 the shade-holder on the same scale as Figs. 2 and 3.

Similar letters of reference designate corresponding parts in all the figures.

A designates a frame, which may be made  
25 in any suitable manner—as, for instance, by taking a flat strip of metal and bending it edge-wise into circular form. At the lower portion it is provided with means, here shown as consisting of a cup of sheet metal, whereby  
30 the reservoir of a lamp may be supported. Near the upper ends it is provided with arms *b*, which may be formed integral with it, but as here shown are made separately of thin sheet metal and fastened by rivets. These arms  
35 are preferably made of ornamental configuration. At the outer end they turn upward to a slight extent. They contribute to the support of the shade which is used in the lamp-fixture. The manner in which they subserve  
40 this purpose will presently be more fully explained.

At the upper ends of the frame *A* are parallel rods *c*. These rods are shown as square in the cross-section. They will generally be  
45 made separate from the frame and secured thereto by rivets or other means. The upper ends of the rods *c* have fastened to them chains *B*, which extend up to a hanger, *C*, around pulleys *d* therein, and thence down to a weight,

*D*, that is employed to counterbalance the  
50 lamp-fixture and lamp. These chains *B* may be secured to the rods *c* by engaging hooks arranged at their ends with eyes or holes in the rods, or in any other suitable manner.

It will be observed that the weight *D* has  
55 eyes *e* extending from opposite points for receiving the chains *B*. The object of these eyes is to prevent the weight and the portions of the chains whereby it is suspended from swinging independently of the lamp-fix-  
60 ture and the portions of the chains which suspend the latter. A smoke-bell, *E*, may be suspended from the weight *D*.

The shade-holder of the lamp-fixture consists, essentially, of an upper part, *F*, and a  
65 lower part, *F'*. The lower part, *F'*, consists of a ring adapted to surround the lower edge of the shade *G* when the shade is in place. This part *F'* rests on the arms *b* of the frame  
70 *A*. The part *F* consists of a ring, which is adapted to extend down around the upper edge of the shade, like an ordinary shade-crown. Both the parts, *F* and *F'*, may be  
75 made of sheet metal and of ornamental configuration. The part *F* of the shade-holder is provided internally with arms *f*, which extend horizontally inward, then downward,  
80 and ultimately upward and outward at an incline. These arms *f* have sockets or tubes *g* secured to their downwardly-extending portions. These sockets or tubes *g* fit the rods  
85 *c* of the frame *A*, and by them and the arms *f* the part *F* of the shade-holder is secured to the said frame *A*. It must be understood that this part *F* has such connection with the frame  
90 *A* that it can be raised or lowered without detachment a distance equal to the length of the rods *c*, on which the sockets or tubes *g* can slide.

Midway between the arms *f* the part *F* of the  
90 shade-holder is provided internally with arms *h*, which extend longitudinally inward, then downward, and subsequently upward and outward at an incline. The arms *f* and *h* fit within the upper part of the shade. Their  
95 upwardly-inclined portions impinge against the interior, and, being resilient, hold the shade in proper position with a yielding pressure.

From the arms *b* chains *i* extend to the part *F'* of the shade-holder. These chains will preferably be interrupted between the ends, and have springs *j* combined with them in order that they can yield lengthwise, to permit of the part *F'* being adjusted to different positions for shades of different heights.

To secure a shade in this shade-holder it is set in the part *F'*, the part *F* is fitted to the rods *c*, so as to fit above the shade, and the chains *i* are fastened to the part *F'*. Afterward the chains *B* are fastened to the rods *c*.

This lamp-fixture is simple, cheap, and light. It can be easily packed when the parts of the shade-holder are detached from the frame *A*.

I have filed an application, No. 104,295, for Letters Patent for an improvement in lamp-fixtures, August 21, 1883. I have also filed an application, No. 116,224, for Letters Patent for an improvement in lamp-fixtures, January 2, 1884. I do not herein claim anything claimed therein.

I am aware that prior to my invention lamp-fixtures had been made in which the shade, the shade-rest, and the shade-crown were raised together, and I do not herein claim, broadly, such construction.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a lamp-fixture, the combination of a frame, a support for the lower edge of a shade, secured thereto, and a crown-like part unconnected to the shade, adapted to slide up and down on the frame and to keep the upper part of a shade in position, substantially as specified.

2. In a lamp-fixture, the combination of a frame, arms secured thereto and extending therefrom, adapted to support a shade at its

lower edge, and a crown-like part unconnected to the shade, fitted to said frame, and adapted to be slid up and down thereon, and serving to keep the upper part of the shade in position, substantially as specified.

3. In a lamp-fixture, the combination of a frame, *A*, provided with arms *b* and rods *c*, and a part, *F*, fitted to said rods, adapted to slide up and down thereon, and provided with arms adapted to enter the upper part of a shade and project downward, while the lower part is supported by the said arms *b*, substantially as specified.

4. In a lamp-fixture, the combination of a frame, *A*, provided with arms *b* and rods *c*, a part, *F'*, supported on the arms *b*, and a part, *F*, fitted to the rods *c*, adapted to slide up and down thereon, and provided with the arms *b*, substantially as specified.

5. In a lamp-fixture, the combination of a frame, *A*, provided with arms *b* and rods *c*, a part, *F'*, supported on the arms *b*, a part, *F*, fitted to the rods *c*, adapted to slide up and down thereon, and chains *i*, extending between the parts *F* and *F'* at points between the arms *b*, and chains for supporting the lamp independent of the chains *i*, substantially as specified.

6. In a lamp-fixture, the combination of a frame, *A*, provided with arms *b* and rods *c*, a part, *F'*, supported on the arms *b*, a part, *F*, fitted to the rods *c*, the chains *i*, and springs *j*, extending between the parts *F* and *F'*, the same being independent of the means for supporting the lamp, substantially as specified.

NICHOLAS JENKINS.

Witnesses:

G. C. THOMAS,  
H. H. WALKER.

It is hereby certified that in Letters Patent No. 306,927, granted October 21, 1884, upon the application of Nicholas Jenkins, of Waterbury, Connecticut, for an improvement in "Suspension-Lamps," errors appear in the printed specification requiring correction as follows: In line 29, page 1, the word "metel" should read *metal*; and after said word the reference letter *a* should be inserted; and that the Letters Patent should be read with these corrections therein to make it conform to the record of the case in the Patent Office.

Signed, countersigned, and sealed this 4th day of November, A. D. 1884.

[SEAL.]

M. L. JOSLYN,  
*Acting Secretary of the Interior.*

Countersigned:

H. H. BATES,  
*Acting Commissioner of Patents.*