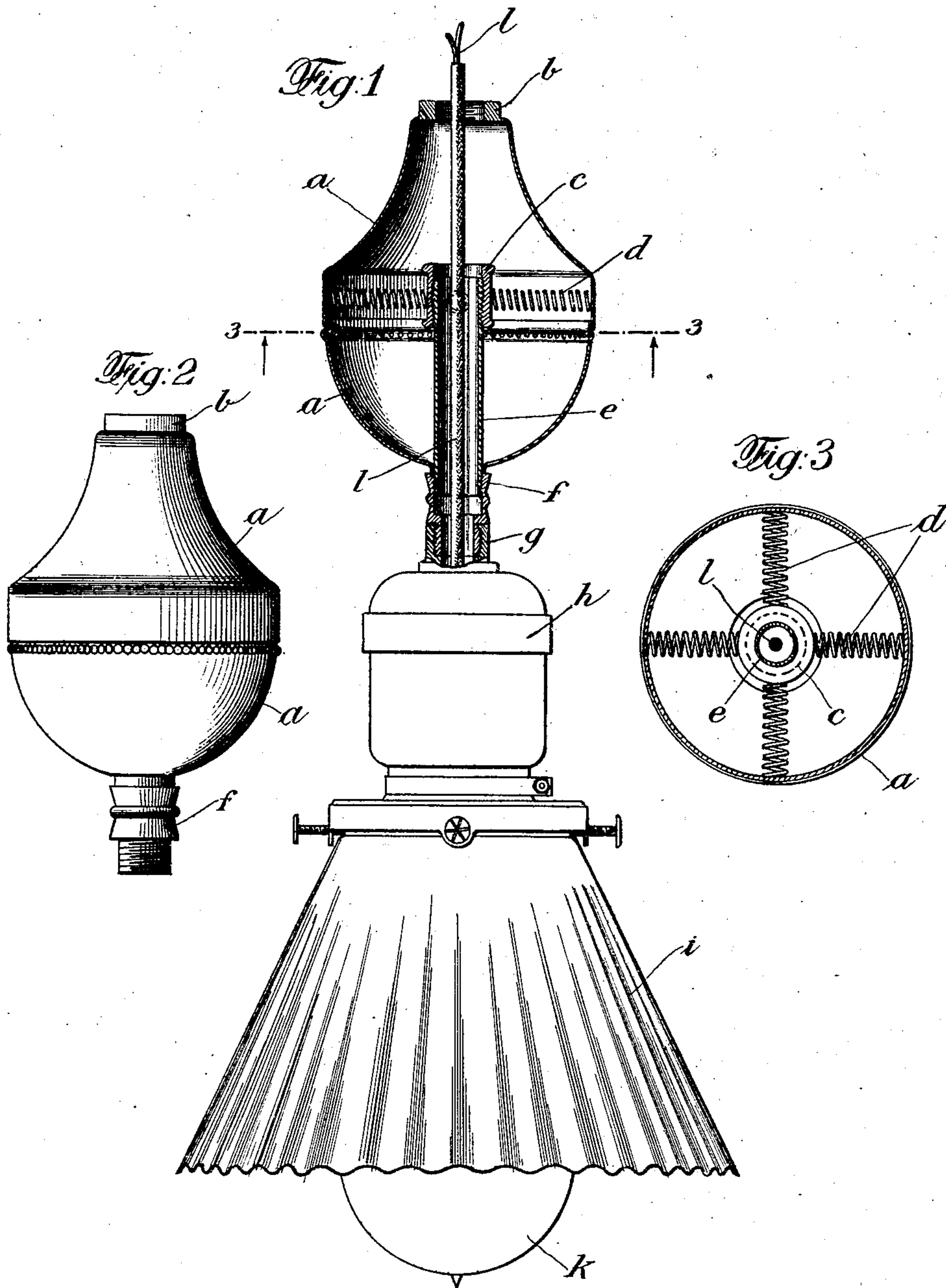


W. S. NORTON.
LAMP FIXTURE.

APPLICATION FILED AUG. 23, 1909.

968,787.

Patented Aug. 30, 1910.



WITNESSES:
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UNITED STATES PATENT OFFICE.

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LAMP-FIXTURE.

968,787.

Specification of Letters Patent.

Patented Aug. 30, 1910.

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To all whom it may concern:

Be it known that I, WILLIAM SHEIL NORTON, a citizen of the United States, and a resident of the city of New York, in the State of New York, have invented certain new and useful Improvements in Lamp-Fixtures, of which the following is a specification, reference being had to the accompanying drawings, forming a part hereof.

The invention relates more particularly to improvements in the means for supporting or sustaining electric lamps and especially those in which the filaments are liable to breakage, as in tungsten lamps, for instance. Such lamps, as is well known, require some sort of shock-absorbing support in order that the shocks and jars to which buildings and lamp fixtures are incident shall not be transmitted to the lamps to cause the fracture of the filaments.

The present improvements have been devised with a view to embodying in a neat and convenient form of lamp fixture a simple and efficient form of shock-absorbing device, whereby there will be no necessity of providing shock-absorbing devices within the lamps themselves, as heretofore.

The invention will be more fully described in connection with the accompanying drawings in which:

Figure 1 is a view of a fixture embodying my invention, the said fixture being shown partly in vertical section and partly in elevation. Fig. 2 is a view in elevation of the upper part of the fixture which contains the shock-absorber, and Fig. 3 is a section taken on the line 3—3 of Fig. 1 of some springs forming a part of the shock-absorber.

A two-part inclosing shell *a* joined together near the middle portion thereof has, at the upper end, a nut *b* by which it may be secured to the suspending tube of a chandelier, and near its center, a nut *c* held in place by a series of spiral springs *d* extending in a normal direction therefrom. Said springs are connected at one end to the nut *c* and the other ends are secured to the inside of the upper part of the shell as shown in Figs. 1 and 3, of the drawing. Engaging, by its upper screw-threaded end, with the nut *c* is a suitable piece of metal tubing *e* the lower end of which projects out of the bottom portion of the containing shell through an opening, which, while large

enough to allow the tube to reciprocate freely therein, is sufficiently close about said tube to exclude all dust from the interior of the containing shell. The latter is preferably wholly inclosed for the same purpose.

The lower end of the tube *e* has a nut *f* screwed thereon, the bottom part of which is screw-threaded so as to engage with a nut *g* upon a lamp socket or switch *h*, to which may be secured a lamp shade *i* and an incandescent electric lamp *k*. The wires from the lamp socket or switch may pass upward through the tubular lamp-sustaining member *e*, the outer shell *a*, and nut *b*, to the arm or other supporting part of the fixture.

As shown in Fig. 2, the entire weight of the lamp, shade, and lamp-socket or switch is supported by the tube *e* which, by reason of its attachment to the nut *c* is enabled to reciprocate freely in a vertical direction, guided, supported, and restrained by the suspending springs which extend across the middle portion of the outer shell *a*. A suitable length of the conducting wire *l* may be coiled in the upper part of the shell to allow for any excessive movement of the lamp switch and shade.

Various changes may be made in the construction shown and described without departing from the spirit of the invention.

I claim as my invention:

1. A lamp fixture comprising a shell, a longitudinally extending lamp supporting member projecting therefrom and having a slidable connection therewith and springs within the shell extending laterally to the member for resiliently supporting the member from the shell.

2. A fixture for electric lamps having an outer shell provided with a portion for holding the fixture in place, a member for supporting the lamp partially within, projecting from and having a slidable engagement with the shell and coiled springs within the shell extending laterally relative the member and resiliently supporting the same from the shell.

3. A fixture for electric lamps having an outer shell provided with a screw engaging portion for holding the fixture in place, a longitudinally extending member for supporting the lamp, said member having an opening extending longitudinally there-

through and provided with a lamp socket
said member partially within, projecting
from and having a slidable engagement with
the shell and springs within the shell ex-
5 tending laterally relative the member and
resiliently supporting the same from the
shell.

This specification signed and witnessed
this 20th day of August, A. D., 1909.

WILLIAM SHEIL NORTON.

Signed in the presence of—

LUCIUS E. VARNEY,
G. McGRANN.