

L. HORNBERGER.  
Extension-Lamp.

No. 220,535.

Patented Oct. 14, 1879.

Fig. 1.

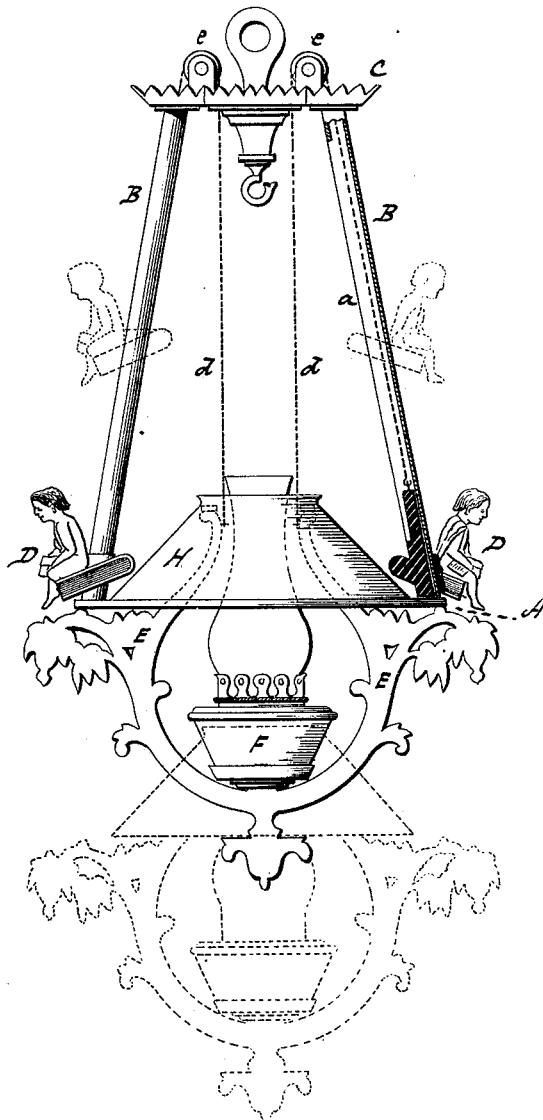


Fig. 2.



Witnesses,

J. V. Chumney  
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By Atty.  
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# UNITED STATES PATENT OFFICE.

LOUIS HORNBERGER, OF WEST MERIDEN, CONNECTICUT, ASSIGNOR TO  
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## IMPROVEMENT IN EXTENSION-LAMPS.

Specification forming part of Letters Patent No. **220,535**, dated October 14, 1879; application filed  
July 19, 1879.

*To all whom it may concern:*

Be it known that I, LOUIS HORNBERGER, of West Meriden, in the county of New Haven and State of Connecticut, have invented a new Improvement in Extension-Lamp Fixtures; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a sectional side view, and Fig. 2 a transverse section through one of the side tubes.

This invention relates to an improvement in that class of lamp-fixtures which are suspended from the ceiling, and in which the lamp and shade are arranged so as to be adjusted to different elevations; and it consists in the construction, as hereinafter described, and particularly recited in the claim.

A is a ring, its internal diameter being nearly the same as the largest diameter of the shade. B B are tubes, secured at their upper ends to a suspending device, C. These tubes have a vertical slot, *a*, upon their inner side, as seen in Fig. 2, and on each of them is a weight, D, arranged to slide freely up and down the said tubes, as indicated in broken lines. E is the support for the lamp F. It may be of any desirable form and construction to hold the shade H. From the lamp and shade holder or support E chains *d* extend up over pulleys *e*, thence down through the tubes B, and are attached, respectively, to the weights D. The weights D are constructed so as to extend into the tubes through the slots *a*, and so that the chains may be attached there-

to within the tubes; hence, when the lamp and shade are drawn down, as seen in broken lines, the weights are raised accordingly and follow the tubes.

The slots in the tubes are for the purpose of making passages for the projections on the weights.

By this construction that part of the chain running from the pulley to the weight is hidden, and the ring A serves as a stop for the lamp-support when at its highest elevation, and in that condition gives to the lamp the appearance of permanent attachment, the ring A appearing to form a base for the shade.

By the term "chain" I wish to be understood as embracing all suitable substitutes for the same.

It will be understood that I do not claim an extension-lamp fixture to which the lamp and shade are secured to the same support or holder, so as to both move together.

I am aware of United States Patents No. 122,767 and No. 157,906, and do not wish to be understood as claiming anything therein shown or described; but

What I do claim is—

In an extension-lamp fixture, the combination of the slotted tubes B B, attached at their upper ends to the suspending device, and weights arranged to slide on said tubes, with a lamp-holder and chains from said holder running up over pulleys, thence down through the tubes, and attached to said weights, substantially as described.

LOUIS HORNBERGER.

Witnesses:

BENJ. C. KENNARD,  
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