

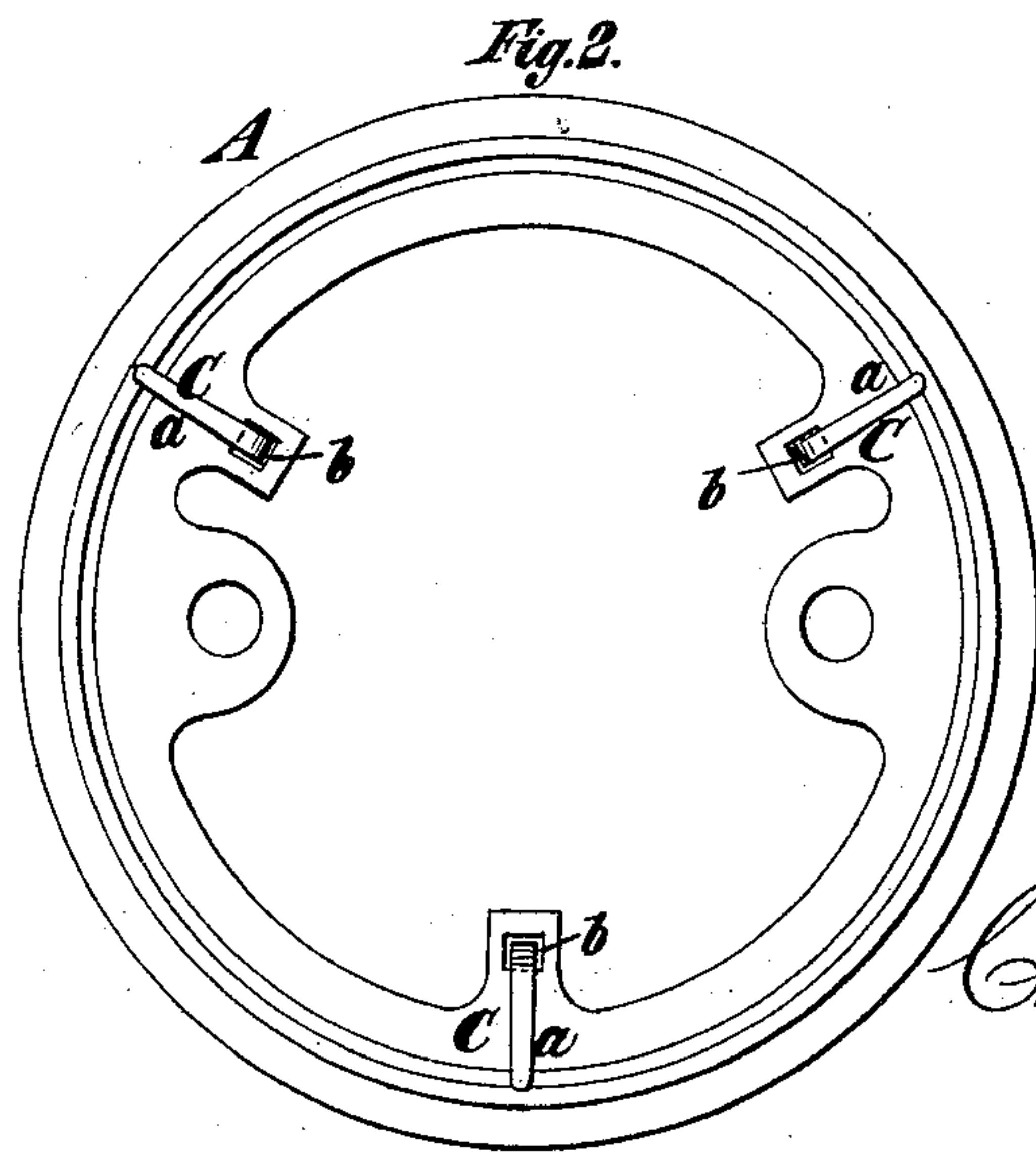
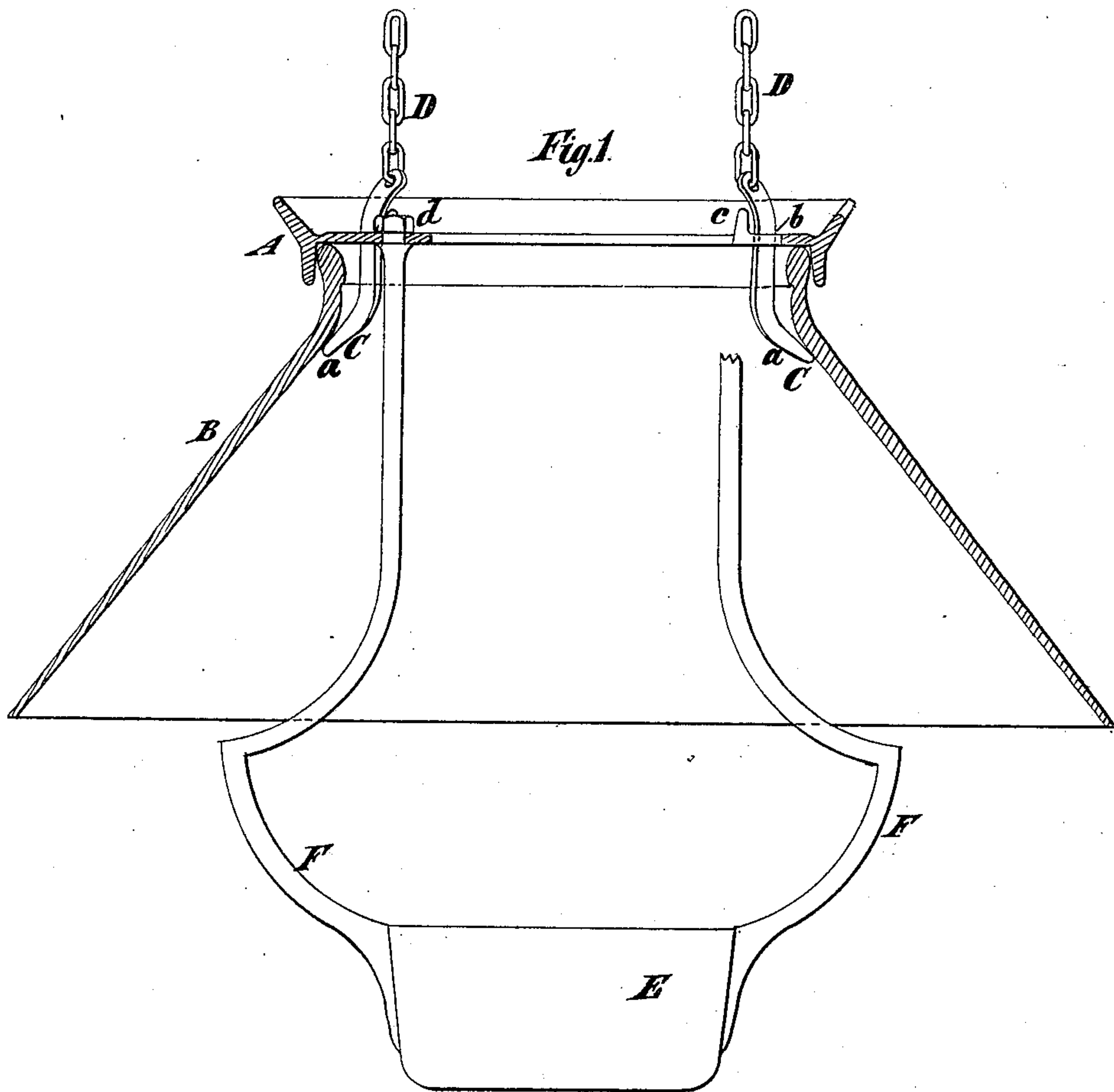
(No Model.)

C. MASCHMEYER.

SHADE HOLDER.

No. 258,587.

Patented May 30, 1882.



Witnesses
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SHADE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 258,587, dated May 30, 1882.

Application filed February 24, 1882. (No model.)

To all whom it may concern:

Be it known that I, CHARLES MASCHMEYER, of Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain
5 new and useful Improvements in Shade-Holders, of which the following is a specification.

One object of my improvements is to provide a simple and cheap means of fastening a shade in its holder. I am also desirous of producing means for fastening the shade in its
10 support which can be easily and quickly operated.

The improvements consist in the combination, with a shade-holder having a rim or flange for
15 bearing against one side of a shade, of fingers or fasteners adapted to bear against the other side of the shade, and chains or other means for suspending the shade connected directly with said fingers or fasteners in such manner
20 that the tension of the chains or like means will cause them to be held against the shade, and that they will be released from the shade when the chains or like means are relaxed.

In the accompanying drawings, Figure 1 is
25 a central vertical section of a shade-holder embodying my improvements, and also of a shade and a lamp holder; and Fig. 2 is an under side view of the shade-holder.

Similar letters of reference designate corresponding parts in both figures.

A designates a shade-holder, which may be made of cast metal or other suitable material, and as here shown is made in the form of an
35 ornamental crown adapted to receive the upper edge of the shade B within it. This shade may be of opal glass or other approximate material.

C designates a number of fingers or fasteners consisting, as here shown, of slider-bars
40 having outwardly-extending hook-shaped lower ends, *a*. They are adapted to slide up and down in bearings *b* in the crown, and at the upper end they are connected directly to the chains D or like devices whereby the lamp
45 is suspended. Preferably these fingers are polygonal in the cross-section at that portion which fits in the bearings, so that they cannot be accidentally turned around out of their proper positions. At the upper ends they are

turned or bent inward, and spurs or guides *c*
50 are extended above the bearings, so that when the fingers are allowed to descend through the relaxing of the chains D, or like suspending devices, the bent ends will come in contact with the guides, and will cause the hook-shaped
55 lower ends to swing inward away from the shade, so as to release them from the latter. The fingers must of course work somewhat loosely in their bearings to permit of their acting in this manner.

To secure a shade in place it is only necessary to slip its upper edge between the holder A and finger C, while there is no tension on the chains or like suspending devices, then a
60 tension is exerted on the chains or like devices, and the fingers are drawn upward, so that their hook-shaped lower ends will bear against the interior of the shade. The fingers will then be held against the shade with a force due to the tension on the chains or like
65 devices. To remove the shade it is only necessary to relieve the chains or like devices of tension, so as to allow the fingers to descend and release the shade, whereupon the shade
70 may be taken from the holder.

It is obvious that the holder, instead of being made in the form of a crown, might be made with a rim or flange that would fit inside instead of outside of the shade, and that
75 in such case the fingers could be made with inwardly-extending hook-shaped lower ends adapted to engage with a bead or outwardly-projecting bead on the exterior of the shade. Then the upper ends of the fingers would preferably be made to extend or bend outwardly,
80 and their guides would be arranged at their outer sides, so that on the descent of the fingers in their bearings their lower ends would be swung outwardly to release the shade.

The chains D or like suspending devices
85 pass over pulleys on a hanger of any suitable form, and thence to a counter-weight.

E designates a holder for a lamp-reservoir connected by arms F with the shade-holder A. These features may or may not be used with
90 my shade-holder and its appurtenances. When used their weight and the weight of the lamp-reservoir and counter-balance exert a tension

on the chains or like device. Before a shade can be taken off and replaced in this example of my improvements the arms connecting the lamp-reservoir holder with the shade-holder must be detached from the latter. This can easily be done, as they are only attached by means of nuts *d* applied to their screw-threaded upper ends.

By my improvements I am enabled to produce a shade-holder wherein the shade may be fastened and unfastened with great facility, and one which can be manufactured very cheaply. I may apply jackets of india-rubber to the hook-shaped lower ends of the fingers C to preclude them from entailing any possible injury to the shade.

In lieu of the sliding fingers, pivoted fingers may be used; but in such case the shape of the upper ends must be modified so that the chains will tend to hold the lower ends in contact with the shade.

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

1. The combination, with a shade-holder

having a rim or flange for bearing against one side of a shade, of fingers or fasteners adapted to bear on the other side, and chains or other means for suspending the shade, connected directly with said fingers or fasteners, substantially as specified.

2. The combination, with the shade-holder A, of the fingers C, having hook-shaped lower ends, and attached to the chains D or like devices, substantially as specified.

3. The combination, with the shade-holder A, of the fingers C, made polygonal, fitting in corresponding bearings, having hook-shaped lower ends, and attached to chains D or like devices, substantially as specified.

4. The combination, with the shade-holder A, of the fingers C, having hook-shaped lower ends and reversely-bent upper ends, the bearings *a*, the guides *b*, and the chains or like devices, substantially as specified.

CHARLES MASCHMEYER.

Witnesses:

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