

(No Model.)

A. F. GLAESSNER.

HANGING LAMP.

No. 272,235.

Patented Feb. 13, 1883.

Fig. 2,

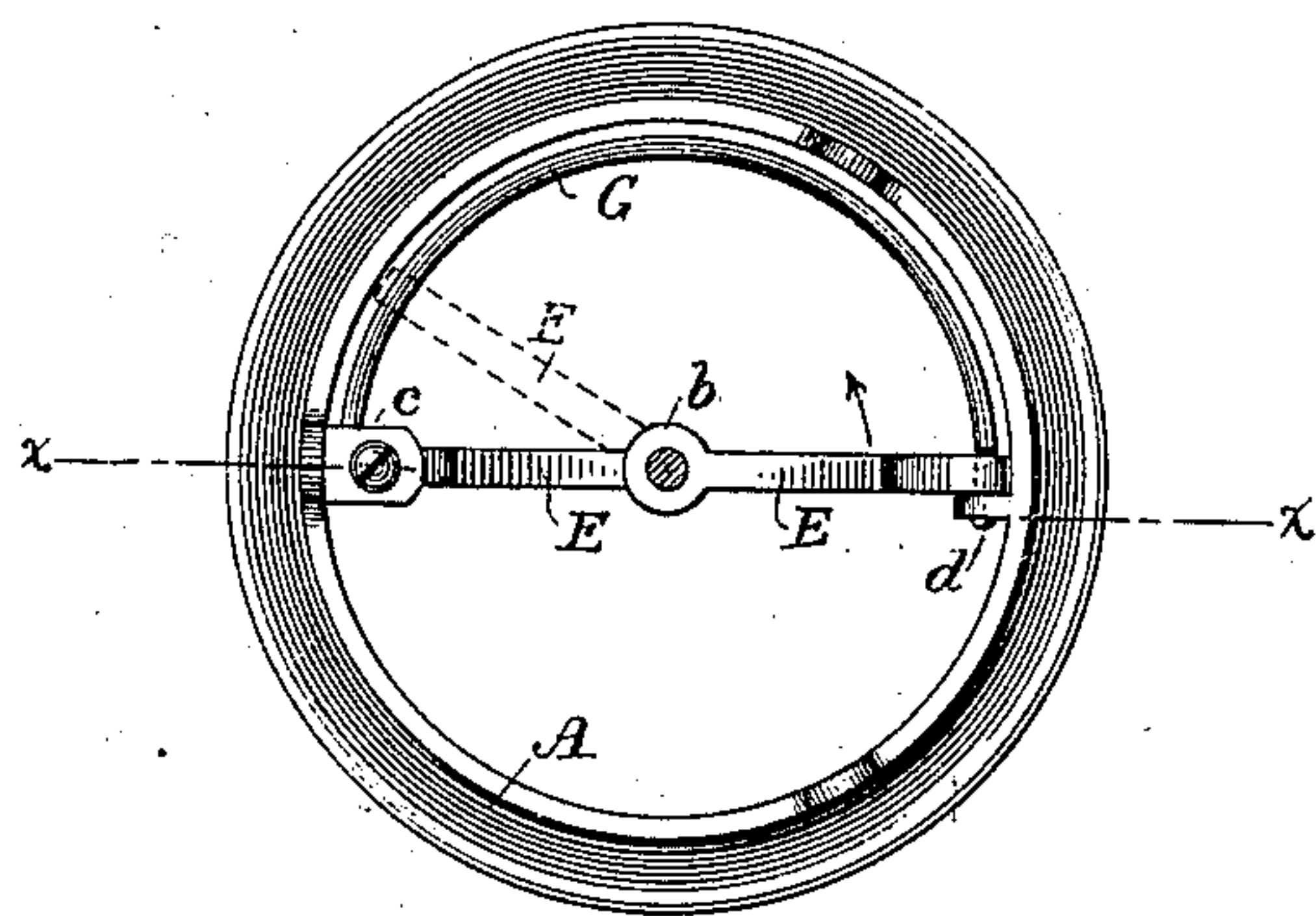


Fig. 1

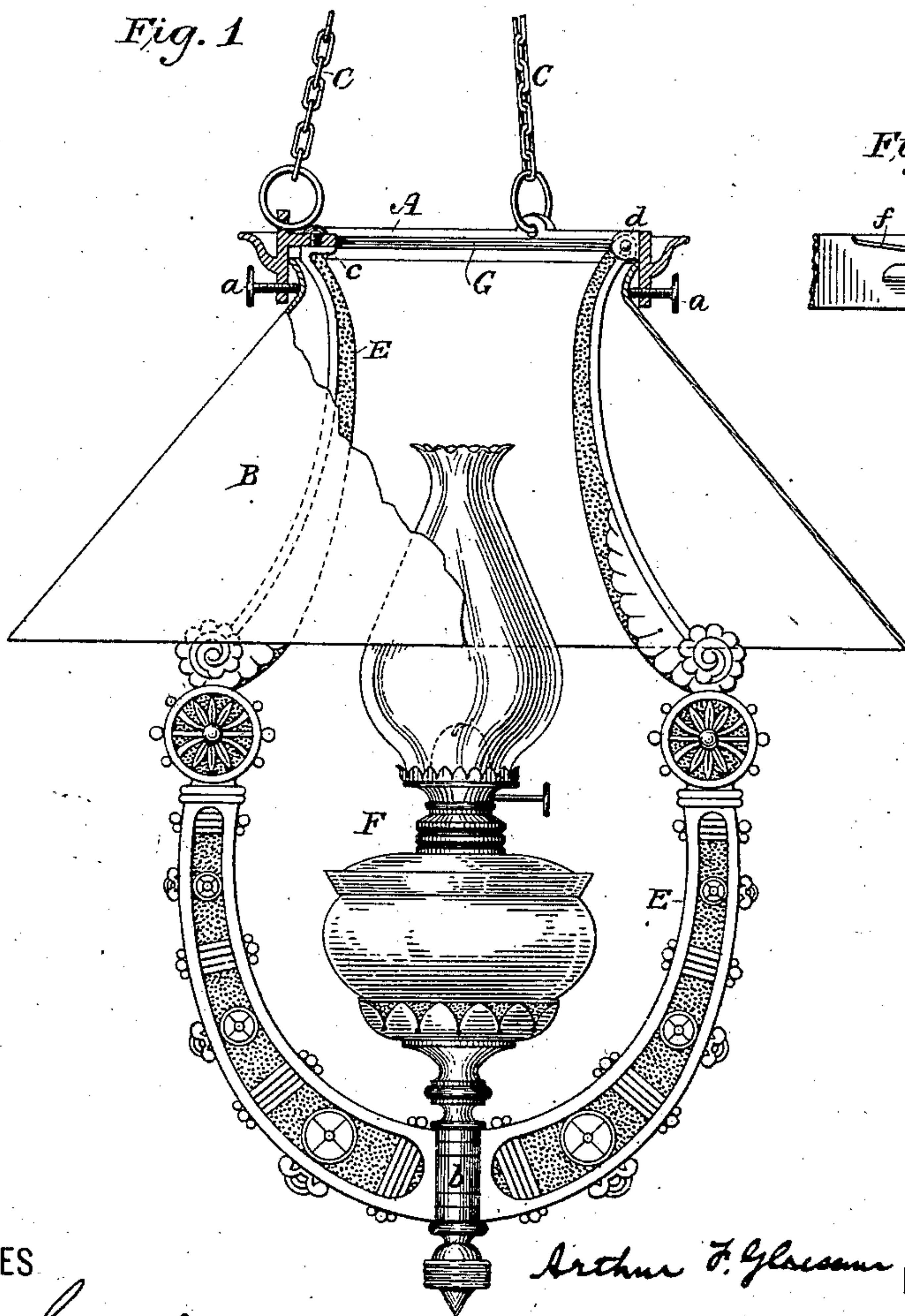
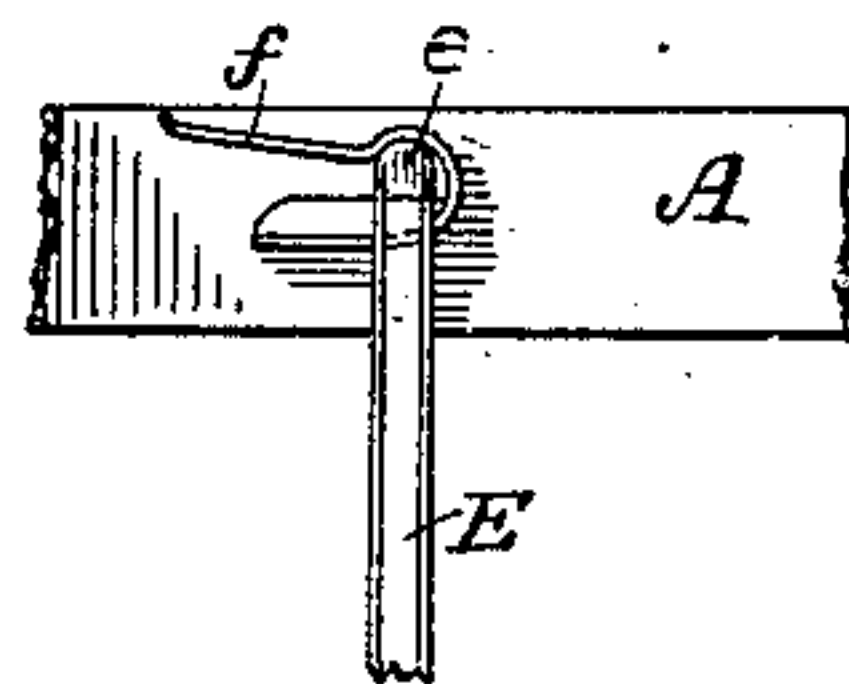


Fig. 3,



WITNESSES

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# UNITED STATES PATENT OFFICE.

ARTHUR F. GLAESSNER, OF MERIDEN, CONNECTICUT.

## HANGING LAMP.

SPECIFICATION forming part of Letters Patent No. 272,235, dated February 13, 1883.

Application filed December 11, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, ARTHUR F. GLAESSNER, of Meriden, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Hanging Lamps; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to that class of hanging lamps which are provided with a shade—such as the well-known extension library-lamps—and particularly to the construction of the harp and connected parts in such lamps.

Heretofore hanging lamps have been constructed in such a way that the shade has not been removable after the lamp has once been put together and hung in place, as for purposes of cleansing, renewal, &c., except by taking the structure to pieces again.

My invention is intended to overcome this objection to the hanging lamps at present in use; and to that end it consists in such a combination of the parts of the harp, with its supporting devices, as will enable the user at any time after the lamp is put up and in place to move such parts of the harp as interfere with the removal or the putting on of the shade from their interfering position whenever such removal or putting on of the shade is desired, and to restore those parts to and retain them firmly and securely in such (their proper) position at other times, as hereinafter described.

In the accompanying drawings, Figure 1 is a view in vertical section, in the line *xx*, of a hanging lamp embodying my invention in its preferred form. Fig. 2 is a plan view of the same. Fig. 3 is a detail view of a modification.

Like letters of reference indicate like parts in the several figures.

A is the shade-support, carrying, by means of the usual binding-screws, *a a*, the shade B.

C is any ordinary system of suspending-chains, those shown in the drawings passing over pulleys attached to the ceiling, &c., and carrying at one end the shade-support A, and at the other end the usual balancing-weight.

E is the harp, carried on the shade-support A, and itself carrying the lamp proper, F.

In the form of apparatus shown in Figs. 1 and 2, which is the form I prefer, the harp E

is composed of two parts hinged or jointed together at *b*, one of which parts is rigidly attached to the shade-support A at *c*, and the other of which is carried on a guide rail or rod, G, which follows the curvature of the shade-support A, and is rigidly attached to such support at *c* and *d* in such a way as to allow the movable half of the harp—to wit, the half that is carried on this guide rail or rod—to be swung on its pivot or hinge *b* along said guide-rail toward or from the fixed half of the harp, as indicated by the arrows in the drawings. In this guide rail or rod G there is a depression or recess half-way around the circle from the fixed half of the harp, into which recess the movable half of the harp falls, as is clearly shown at *d* in Fig. 1, and where it is held fast so long as the lamp is being used; or any other device may be employed that shall suitably fasten the movable half of the harp at that point.

Whenever it is desired to take off the shade for any purpose the lamp proper, F, is removed, the movable half of the harp is sprung up out of its recess in the guide-rod G, or in any way suitably unfastened from its seat, and is swung around along said guide-rod until the two halves of the harp are folded one on the other, when, being of the same curvature and shape, the shade, after being unfastened from the shade-support A, is readily removed down the irregular arm formed by the two halves of the harp so folded together, and as readily applied. The hinge at *b* may be any kind of hinge that will allow of the folding motion described. The guide rail or rod G may be left free at its end *d*, or its place may be taken by a guide-groove or any other suitable supporting-guide. Again, it need not extend around the entire semicircle from *d* to *c*. It is sufficient if any device connected with the shade-support be used that will guide the movable half of the harp, when it is being unfolded into its proper position, to form a harp with the other half, and that will hold it there securely and prevent its moving up or down away from the shade-support or refolding upon the other half of the harp. Fig. 3 shows such a device, representing in detail a spring-supporting guide that is attached rigidly to the shade-support A, directly opposite the fixed half of the harp,

and is adapted to receive a projecting arm or portion, *e*, of the movable half of the harp, the position occupied by *e* in the figure corresponding with the position of the recess in Figs. 1 and 2, and the spring-arm *f* holding the part *e* firmly in place until said part is forced out, as when it is desired to fold the two halves of the harp, as described, and remove the shade.

The operation of my improvement consists in the moving of such parts of the harp as interfere with the removal or application of the shade out of their interfering position whenever such removal or application is desired, and returning them to and securing them in such (their proper) position at other times, substantially by the operation of folding and unfolding hereinbefore described.

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

1. In a hanging lamp, a jointed or folding harp, in combination with a shade-support and a supporting-guide, substantially as and for the purposes set forth.

2. In a hanging lamp, a jointed or folding harp, in combination with a shade-support and a recessed supporting-guide, substantially as and for the purposes set forth.

3. In a hanging lamp, the combination of the folding harp *E*, the shade-support *A*, and the recessed guide-rod *G*, substantially as and for the purposes set forth.

ARTHUR F. GLAESSNER.

Witnesses:

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E. G. KING.