

(No Model.)

P. LOTH & J. SINDIC.
ILLUMINATED MIRROR.

No. 252,582.

Patented Jan. 17, 1882.

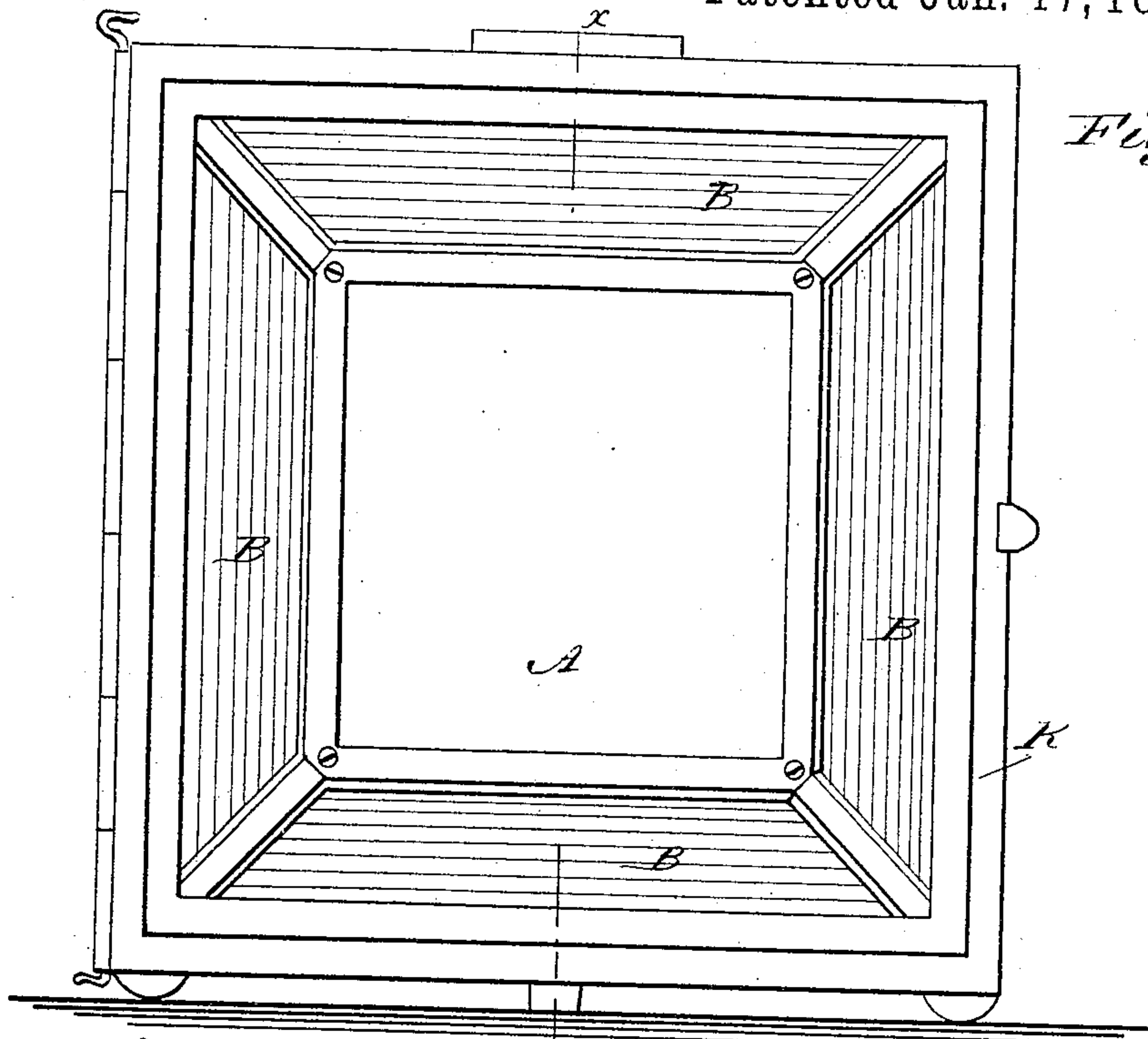


Fig. 1.

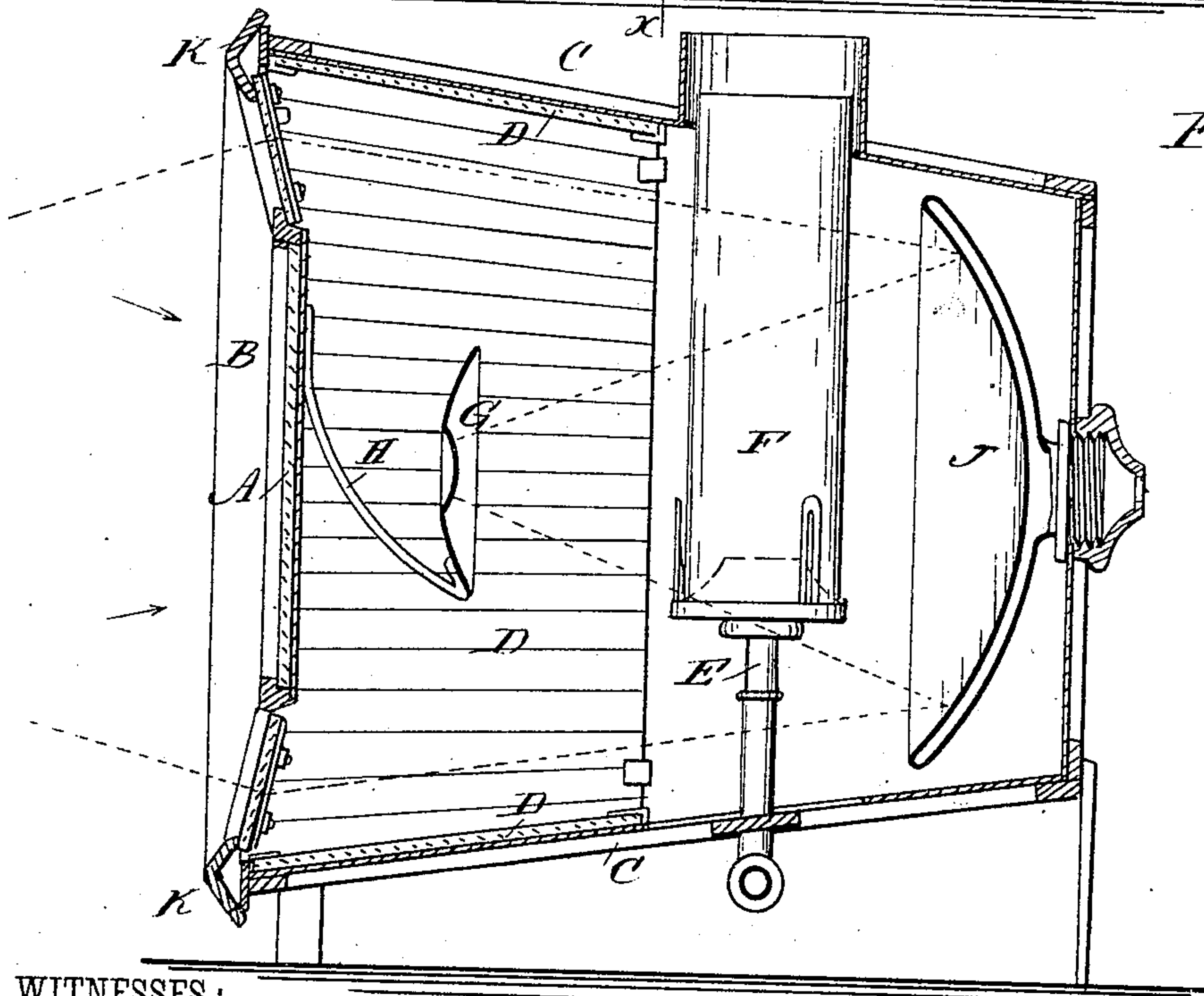


Fig. 2.

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PETER LOTH AND JULES SINDIC, OF NEW YORK, N. Y.; SAID SINDIC ASSIGNOR TO THOMAS MILLER, OF SAME PLACE.

ILLUMINATED MIRROR.

SPECIFICATION forming part of Letters Patent No. 252,582, dated January 17, 1882.

Application filed July 5, 1881. (No model.)

To all whom it may concern:

Be it known that we, PETER LOTH and JULES SINDIC, both of the city, county, and State of New York, have invented certain useful Improvements in Illuminated Mirrors, of which the following is a specification.

The object of our invention is to provide a new and improved illuminated mirror which reflects light-rays upon the face of the person looking into the mirror, whereby the image of the face will be reflected very clearly and distinctly in a dark or darkened room.

The invention consists in a mirror surrounded by a beveled frame of ground glass fitting in the front of a box lined with reflector-mirrors and containing a source of light, the rays of which are reflected by a small reflector on the inner surface of the mirror, upon a larger reflector in the rear part of the box, from which larger reflector they are reflected through the beveled glass upon the face of the person looking into the mirror.

In the accompanying drawings, Figure 1 is a front elevation of our improved illuminated mirror. Fig. 2 is a longitudinal sectional elevation of the same on line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The mirror A is surrounded by a frame, B, composed of strips of ground glass, which strips are held by suitable metal bars and strips, and are inclined outward from the edges of the mirror. The metal frame K surrounding the strips of ground glass is hinged to the front of a box, C, and forms the front wall of this box, which has its forward part lined with plate-reflectors D, either flat or slightly corrugated. An Argand gas-burner, E, or other burner, or any other suitable source of light, is contained in the box C, and the upper end of the chimney F of this burner projects through the upper end of the box. A small concave or other suitable reflector, G, is fastened to an arm, H, projecting from the inner surface of the mirror A, and a like but larger reflector, J, is attached to the inner surface of the rear wall of the box C.

The operation is as follows: The rays of light from the lamp E are reflected by the reflector G upon the reflector J, and from there through the strips of ground glass upon the face of the person looking into the mirror, as indicated by the dotted lines. As shown, the beveled ground-glass frame B causes a convergence of the rays. As the light-rays are reflected upon the face of the person looking into the mirror the image of this face or other object will appear very distinctly and clearly on the mirror A.

Our improved mirror will be found to be of advantage in the dark or a darkened space in which the reflections of an ordinary mirror would not be clear and distinct.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. An illuminated mirror constructed substantially as herein shown and described, and consisting of a mirror surrounded by a frame of ground glass, and having a lamp or burner and reflector behind it, whereby rays of light will be reflected upon the face of the person looking into the mirror, as set forth.

2. In an illuminated mirror, the combination, with the mirror A, surrounded by a frame, B, of ground glass, of the lamp or burner E, the reflectors G and J, and a supporting-frame, substantially as herein shown and described, and for the purpose set forth.

3. In an illuminated mirror, the combination, with the box C, provided with flat reflectors D, of the mirror A, surrounded by a ground-glass frame B, the reflector G, fastened to the inner surface of the mirror A, the reflector J, fastened to the rear of the box C, and a lamp or burner, substantially as herein shown and described, and for the purpose set forth.

PETER LOTH.
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Witnesses:

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