To all whom it may concern:

Be it known that I, LEONARD ERIKSON, a citizen of the United States, residing at Malden, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in Illuminated Show-Cases, of which the following is a specification.

This invention relates to improvements in show-case lighting fixtures, and the object is to provide an electrically lighted show-case having the illuminating fixtures so arranged that the interior of the show-case shall not be heated by the lamps.

In show-cases where the electric lamps are located inside the show-case is heated to an objectionable extent and many classes of goods are injured thereby, and furthermore the lamps do not give as bright a light and do not last as long as they should.

The object of this invention is to do away with these objectionable features and in the attainment of this object, I place the fixtures on the outside of the show-case in an especially constructed rail.

The invention consists in the combination and arrangement of parts set forth in the following specification and particularly pointed out in the appended claims.

Referring to the drawings: Figure 1 is an end elevation of my improved illuminated show-case. Fig. 2 is an enlarged detail vertical cross section of the lighting fixture as applied to the show-case. Fig. 3 is a sectional elevation taken on line 3—3 of Fig. 2, looking toward the left. Fig. 4 is an enlarged detail plan section taken on line 4—4 of Fig. 2. Fig. 5 is an enlarged plan section taken on line 5—5 of Fig. 2. Fig. 6 is an enlarged detail section taken on line 6—6 of Fig. 2, looking in the direction of the arrows on said line. Fig. 7 is a detail vertical cross section of a modified form of my lighting fixture.

Like numerals refer to like parts throughout the several views of the drawings.

In the drawings, 10 is a show-case having a substantially upright transparent member 11 and a substantially horizontal member 12 which is preferably formed of transparent material such as glass, said horizontal member preferably extending across the upper edge of the member 11 and constituting an overhanging ledge 13. An electric lamp 14 mounted in a socket 15 is preferably supported on the under side of the ledge 13 in the following manner. A plate or rail 16 is located on the under side of the ledge 13 and extends between the upper edge of the member 11 and the lower face of the member 12, said plate being provided with two downward extending flanges 17 and 18. A plurality of L-shaped supports 19 provided with projections 20 are arranged at intervals along the exterior face of the member 11, said supports being fast to the plate 16. A shield 21 is supported from the flange 17 by a series of supports 22 each of which preferably consists of a tube 23 and a bolt 24 which extends through the flange 17, through said tube and through the shield 21, there being a nut 25 having screw-threaded engagement with said bolt whereby the parts are securely held together. A series of supports 26 are arranged at intervals along the shield 21 adjacent to its lower edge.

A reflector 27 which is preferably concavo-convex in form rests on the projections 20 of the supports 19 and also on the supports 26, and I preferably provide screws 28 having screw-threaded engagement with the supports 26, respectively, said screws being adapted to be removed to permit the removal of the reflector 27. A preferably semi-cylindrical air space and said reflector and the plate 16 are separated by an air space, there being also air spaces between the shields 19 and between the supports 22 as well as between the supports 26 so that the air which is heated by the lamp 14 can escape and there is plenty of room for the free circulation of cool air which tends to make the lamps last longer and give a brighter light.

I will now proceed to describe the modified form of my invention shown in Fig. 7. In some cases it is desirable to have a ledge 13' and shield 21' formed of wood instead of glass and metal, respectively, but in other respects this form of my invention is much similar to the form first described. A molding 31 fast to the ledge 13' carries a series of supports 32 and a series of supports 33 which support the shield 21'. A series of supports 19' support the reflector 27' along one edge while a series of supports 26' support said reflector along the other edge. In this form of my invention as well as in the first described there are air spaces which permit
free circulation of air around all of the parts, thereby maintaining the fixture at a comparatively low temperature.

Having thus described my invention, what I claim and desire by Letters Patent to secure is:

1. In combination, a show-case having a substantially upright transparent member, an exterior overhanging ledge, a shield supported on said ledge and extending downwardly therefrom, a reflector supported beneath said ledge, there being an air space between said shield and said reflector and between said ledge and said reflector, and an electric lamp supported between said reflector and said transparent member.

2. In combination, a show-case having a substantially upright transparent member, an overhanging ledge, a strip of sheet material supported beneath said ledge, a shield supported on said strip, a reflector supported beneath said strip and interposed between said shield and said transparent member, and a lamp supported between said reflector and said transparent member.

3. In combination, a show-case having a substantially upright transparent member, an overhanging ledge, a shield supported at intervals on said ledge and extending downwardly therefrom, a reflector supported at intervals on said shield, there being an air space between said shield and said reflector and between said reflector and said ledge, a series of supports which support the edge of said reflector adjacent to said transparent member, and an electric lamp supported between said reflector and said member.

4. In combination, a show-case having a substantially upright transparent member, an overhanging ledge, a shield supported at intervals on said ledge and extending downwardly therefrom, a series of supports mounted on said shield, a series of supports located adjacent to said transparent member, a reflector mounted on said supports, and an electric lamp supported between said reflector and said transparent member.

5. In combination, a show-case having a substantially upright transparent member, a substantially horizontal member extending across the upper edge of said transparent member and constituting an overhanging ledge, a plate interposed between the under face of said horizontal member and the upper edge of said transparent member, said plate provided with a downwardly extending flange, a series of supports arranged at intervals along said flange, a shield mounted on said supports and extending downwardly therefrom, a second series of supports arranged at intervals along said shield, a third series of supports arranged at intervals along the exterior face of said transparent member, a reflector supported on said second and third series of supports, and an electric lamp supported between said reflector and said transparent member.

6. In combination, a show-case having a substantially upright transparent member, a substantially horizontal member extending across the upper edge of said transparent member and constituting an overhanging ledge, a plate interposed between the under face of said horizontal member and the upper edge of said transparent member, said plate provided with a flange extending downwardly adjacent to the inner face of said transparent member, and a second flange extending downwardly adjacent to the outer edge of said ledge, a series of supports arranged at intervals along the outer face of said transparent member, a reflector supported on said second and third series of supports arranged at intervals along the outer face of said transparent member, a reflector supported on said second and third series of supports, and an electric lamp supported between said reflector and said transparent member.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

LEONARD ERIKSON.

Witnesses:
LOUIS A. JONES,
SADIE V. McCARTHY.