Aug. 15, 1939. F. D. MacMASTER 2,169,347

DISPLAY CASE

Filed March 18, 1938

FIG. 1

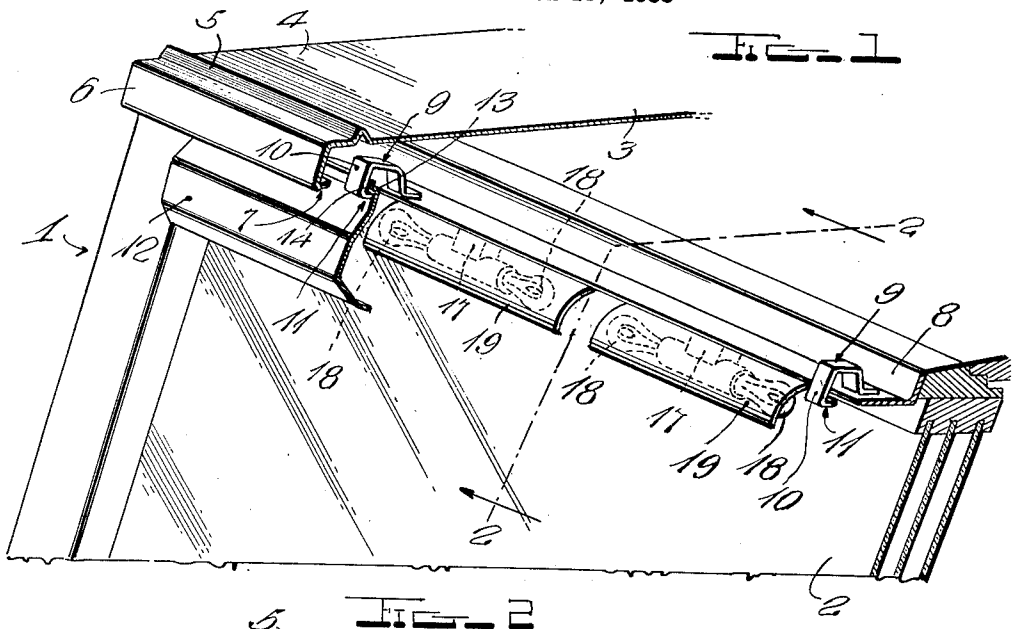


FIG. 2

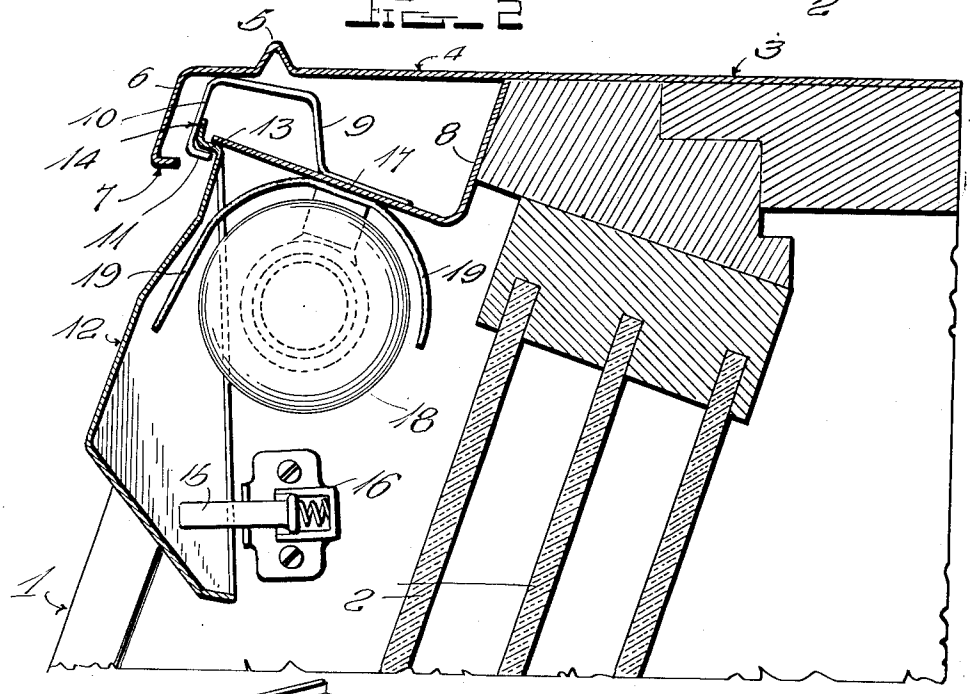
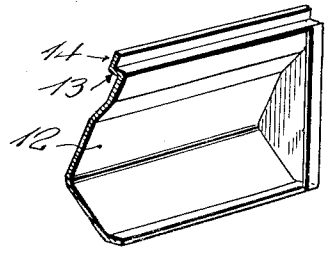


FIG. 3



INVENTOR.
Frank D. MacMaster
BY
Edwin S. Clarkson
ATTORNEY.

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DISPLAY CASE

Frank D. MacMaster, Trenton, N. J., assignor to C. V. Hill & Co., Inc., Trenton, N. J., a corporation of New Jersey

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3 Claims. (Cl. 249—6)

My invention relates to display cases generally, but more particularly to refrigerated display cases in which perishable foods are displayed.

Refrigerated display cases must be lighted to pleasingly and effectively display the food in them, but at the same time care must be taken to prevent the rays of light striking the eyes of a customer looking at the food in the case.

The object of my invention is to provide means for lighting the interior of the case effectively, and at the same time shield the eyes of a person standing in front of the case from the light rays.

My invention consists in providing such a display case with a light source, a reflector for the light, and a shield to prevent the light rays from striking the eyes of one looking into the case. My invention consists further in a shield of such construction that the lighting lamps may be readily renewed; and my invention consists further in the parts and combination of parts herein after described.

In the drawing:

Figure 1 is a perspective view of the portion of a display case embodying my invention.

Figure 2 is a vertical transverse section on the line 2—2, Figure 1.

Figure 3 is a rear elevation of an end portion of the shield.

The display case designated by the numeral 1 may be of any desired construction or design having a front window 2, the upper edge of which is supported by the top structure of the case.

According to my invention I overlay the top of the case with an enameled metal plate 3 which extends forwardly beyond the top of the window as at 4 and terminates in a downwardly extending flange 6, having an inwardly extending flange 7. This top plate is provided with a rib 5 to prevent articles from falling from the top, thus protecting the glass window and preventing chipping of the porcelain finish of the case.

A bracket 8 is secured to the top structure at one end and extends forwardly, under, but spaced from the portion 4 of the top plate. A bracket 9 is secured at one end to the upper face of the bracket 8 and extends forwardly beyond the outer end of the bracket 8, thence downwardly as at 10, thence inwardly to form a flange 11 which extends under but is spaced from the forward end portion of the bracket 8.

A light shield 12 is formed at its upper edge in a substantially L-shape, the portion 13 fitting loosely and unattached thereto between the forward end of the bracket 8 and the flange 11, while the portion 14 lies loosely between, but unattached thereto, the forward edge of the bracket 8 and the flange 10 whereby the weight of the shield is loosely supported by the flange 11 of the bracket 8. This shield is provided near its lower edge with a suitable fastener, such, for instance, as a snap fastener 15 which detachably engages the keeper 16 which is secured to the end wall of the case.

The shield, as shown, extends the entire length of the window and is movable outwardly at its lower edge, sufficient to enable the lamps of the case to be renewed.

A lamp socket 17 is secured to the bracket 8 for the lamp 18, and a reflector 19 is rigidly secured to the bracket 8. The lamps are preferably arranged at intervals along the case in groups of 2 and a separate immoval reflector is provided for each group of lamps.

The shield is preferably coated on its inner face with a light absorbing color, such, for instance, as black.

It will be seen that the shield 12 extends materially below the lamps and the reflectors, and also below the top portion of the window whereby rays of light from the reflector or lamp are prevented from hitting the eyes of a person standing in front of the case examining the food displayed therein. The front glass of display cases of this type having the outside lighting heretofore employed had a tendency to reflect the light back to the eyes of a customer. These reflections are entirely eliminated by the use of my improved continuous shield 12. It will be noted that by reason of the non-reflecting inner face of the shield that it will not throw any reflection onto the window 2.

What I claim is:

1. In a display case of the character described having a front window, a top plate projecting forwardly beyond said window and having a depending return bent forward end, a bracket rigidly suspended beneath said top plate, a second bracket rigidly secured at its rear end to the first named bracket, with its forward end having a return bend positioned below and spaced from the forward edge of the first named bracket, a lamp socket supported by the first named bracket, a lamp in said socket, a rigidly mounted light reflector for said lamp, and a shield detachably supported at its upper edge between the forward end of said brackets and depending in front of said window below the reflector to shield the eyes of a person standing in front of the case from the rays of light from said lamp.

2. In a display case of the character described having a front window, a top plate projecting

forwardly beyond said window and having a depending return bent forward end, a bracket rigidly suspended from beneath said top plate, a second bracket rigidly secured at its rear end to the first named bracket, with its forward end having a return bend positioned below and spaced from the forward edge of the first named bracket, a lamp socket supported by the first named bracket, a lamp in said socket, a rigidly mounted light reflector for said lamp, and a shield having a substantially L-shaped upper edge detachably positioned between free ends of the said first and second named brackets and depending in front of said window to a point below said reflector and lamp to shield the eyes of a person standing in front of the case from the rays of light of the said lamp.

3. In a display case of the character described having a front window, a top plate projecting forwardly beyond said window and having a depending return bent forward end, a bracket rigidly secured beneath said top plate, a second bracket rigidly secured at its rear end to the first named bracket, having at its forward end a depending return bend, a lamp socket supported by the first named bracket, a lamp in said socket, a rigidly mounted light reflector for said lamp, and a shield extending the entire length of the window, having a substantially L-shaped upper edge detachably positioned between the forward ends of the said first and second named brackets and above said return bend of the top plate and depending in front of said window to a point below said reflector and lamp to shield the eyes of a person standing in front of the case from the rays of light of the said lamp.

FRANK D. MACMASTER.