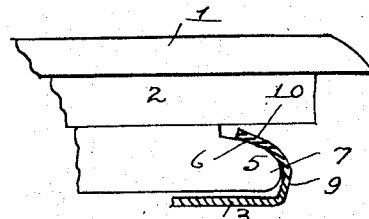
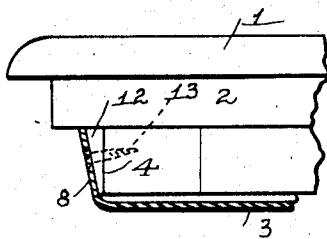
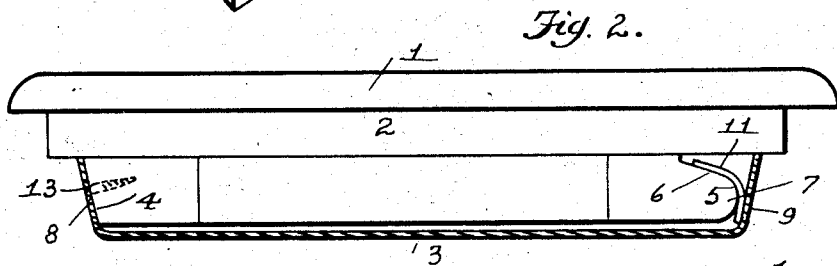
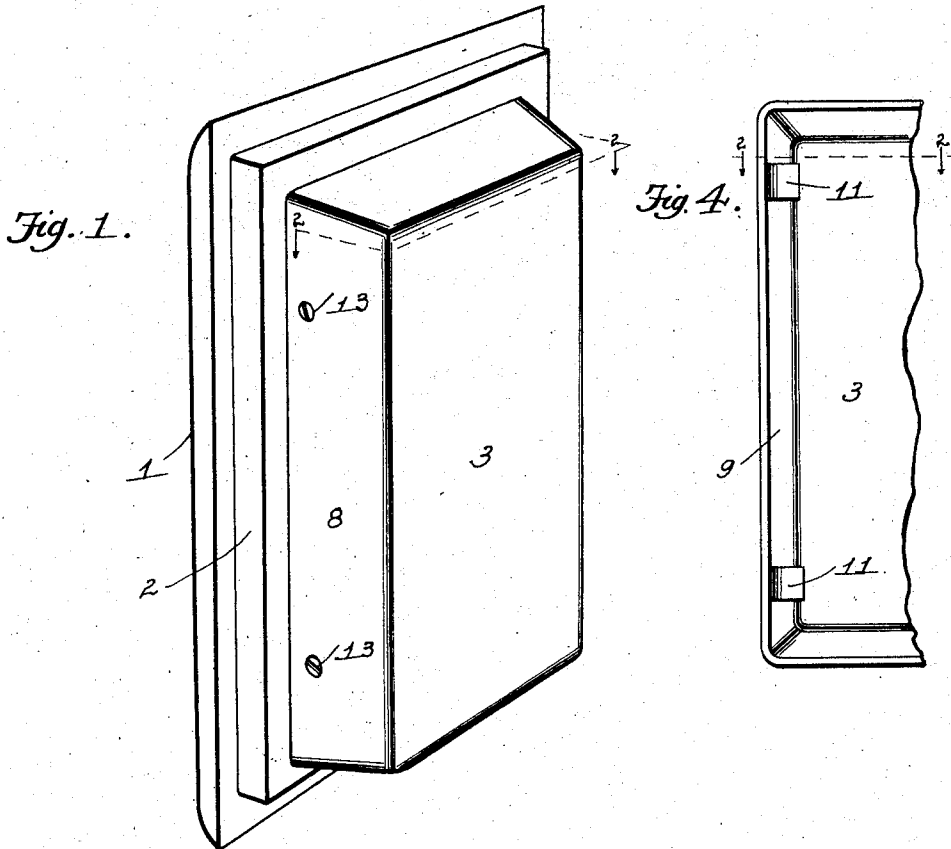


H. H. HILLMAN.
REFRIGERATOR.
APPLICATION FILED AUG. 19, 1918.

1,329,340.

Patented Jan. 27, 1920.



Witnesses

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HERBERT H. HILLMAN, OF GRAND HAVEN, MICHIGAN, ASSIGNOR TO CHALLENGE REFRIGERATOR COMPANY, OF GRAND HAVEN, MICHIGAN, A CORPORATION OF MICHIGAN.

REFRIGERATOR.

1,329,340.

Specification of Letters Patent.

Patented Jan. 27, 1920.

Application filed August 19, 1918. Serial No. 250,448.

To all whom it may concern:

Be it known that I, HERBERT H. HILLMAN, a citizen of the United States, residing at Grand Haven, in the county of Ottawa and State of Michigan, have invented new and useful Improvements in Refrigerators, of which the following is a specification.

The present invention relates to refrigerators; and its object is to provide an improved wall or door for refrigerators, which wall or door shall comprise two members so assembled as to present an improved finished interior appearance as well as an improved sanitary construction.

This, and any other objects hereinafter appearing, are attained by, and the invention finds preferable embodiment in, the structure hereinafter described and illustrated by the accompanying drawings, in which:—

Figure 1 is a view in perspective of the inner side of a refrigerator wall;

Fig. 2 is an edgewise view of the same, but showing the inner member of the wall in section taken on a plane corresponding to line 2—2 of Figs. 1 and 4;

Fig. 3 is a similar but fragmentary view showing a modified construction;

Fig. 4 is a view of the under or inner side of a portion of the inner member of the refrigerator wall; and

Fig. 5 is a fragmentary view partly in section, showing a modified construction.

In the embodiment of the invention chosen for illustration by the drawings and for detailed description in the body of this specification, I have shown one wall of a refrigerator, such particular wall being the refrigerator's door 1. This wall comprises two members, the body member 2 which is usually made of wood framed together, and the inner member 3 which is preferably metal and porcelainized. The body member has on its inner side an edge portion 4 and an oppositely disposed second edge portion 5 which is inclined inwardly at 6 as shown in Figs. 2 and 5, so as to provide an overhang or lip 7. These edge portions 4 and 5 form an inward projection of the body member for the attaching of the inner member 3 thereto.

The inner member is preferably of one continuous piece and pan-shaped as shown so that in the assembled position of the two members it may inclose the edge portions

4 and 5 and confine suitable heat-nonconducting material. The opposite sides 8 and 9 of the inner member extending toward the body member are constructed and function as follows: The side 9 may be inclined inwardly toward the opposite side 8 as shown in Fig. 5, forming a flange 10, or it may, and preferably so, extend flaringly outwardly as shown in Figs. 2 and 4, thus conforming to the shape and appearance of the opposite side 8, in which case its inner side is furnished with a clip 11 (see Fig. 2) attached thereto by spot welding or otherwise.

In either case, the side 9 as shown in Fig. 5 or the clip 11 as shown in Fig. 2 forms a flange inclined inwardly toward the opposite side 8. Said opposite side 8 is adapted to engage directly against the edge portion 4 in the assembled position of the two members, and preferably wedgingly, as shown in Fig. 2; or a separate and removable wedge 12 may be provided as shown in Fig. 3. In the latter case, a close fit between the flange or side 8 and the edge portion 4 may be more nicely made, by trimming the wedge more easily than where the separate wedge is not employed.

In assembling the two members of the wall or door, the flange 10 in Fig. 5 or clip 11 in Figs. 2 and 4 is hooked over the lip 7, and the opposite side 8 of the inner member is swung over the edge portion 4 and pressed down, which action draws the flange 10 or clip 11 deeper along the inclined portion 6 and the inner member is forced into close contact with the body member along both edge portions 4 and 5, whereupon the two members may be secured in assembled position by suitable means, as by the screws 13 passing through the side or flange 8 and into the edge portion 4. It will be seen, that the members may thus be readily assembled, and when thus assembled, the interior of the wall or door will present a finished appearance, no connecting means being visible except the screws, which may be located at the under side or inner side of the door next its hinges and thus will be inconspicuous; it will be seen, too, that this construction is particularly sanitary.

The invention being intended to be pointed out in the claims, is not to be limited to or by details of construction shown or described.

I claim:

1. In a refrigerator wall; a body member having an inward projection which has an edge portion and an oppositely disposed second edge portion inclined inwardly and toward the first-mentioned edge portion to form an overhang; an inner member having a flange and a second flange inclined inwardly and toward the first-mentioned flange to form a hooked portion; the hooked portion being adapted to engage beneath the overhang and having a rocking movement on the overhang in the assembling of the two said members, and the inner member being adapted to be swung to bring the first-mentioned flange into tight engagement with the first-mentioned edge portion in the assembled position of the two members.
2. In a refrigerator wall; a body member having an inward projection which has an edge portion and an oppositely disposed second edge portion inclined inwardly and toward the first-mentioned edge portion to form an overhang; an inner member having a flange and a second flange inclined inwardly and toward the first-mentioned flange to form a hooked portion; the hooked portion being adapted to engage beneath the overhang and having a rocking movement on the overhang in the assembling of the two said members, and the inner member be-

ing adapted to be swung to bring the first-mentioned flange into tight engagement with the first-mentioned edge portion in the assembled position of the two members; means passing through the inner member and into the inward projection of the body member for securing the two members together in assembled position.

3. In a refrigerator wall; a body member having an inward projection which has an edge portion and an oppositely disposed second edge portion inclined inwardly and toward the first-mentioned edge portion to form an overhang; an inner member having a continuous body and oppositely disposed sides, one of the sides having a hooked clip; the clip being adapted to engage beneath the overhang, and the inner member being adapted to be then swung to bring its opposite side portion into tight engagement with the body's first-mentioned edge portion in the assembled position of the two said members; means extending through one of the inner member's said side portions to secure the two members in assembled position.

In testimony whereof I have hereunto set my hand at Grand Rapids, Michigan, this 14th day of August, 1918.

HERBERT H. HILLMAN.