Nov. 17, 1931. W. C. HOLBROOK ET AL 1,832,122

REFRIGERATING APPARATUS

Filed Oct. 30, 1928 2 Sheets-Sheet 1

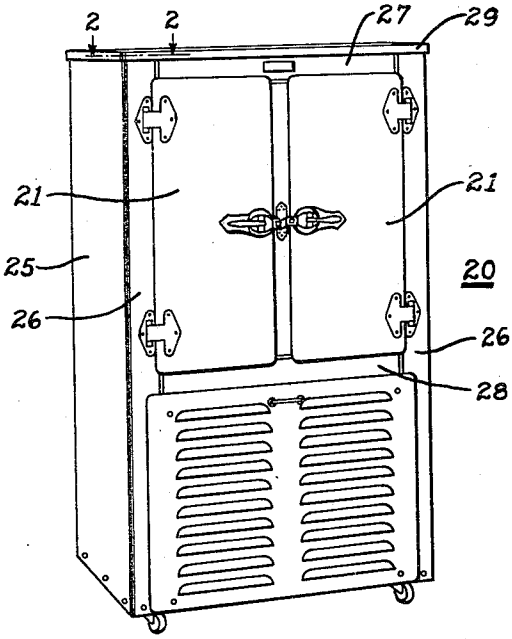


Fig. 1

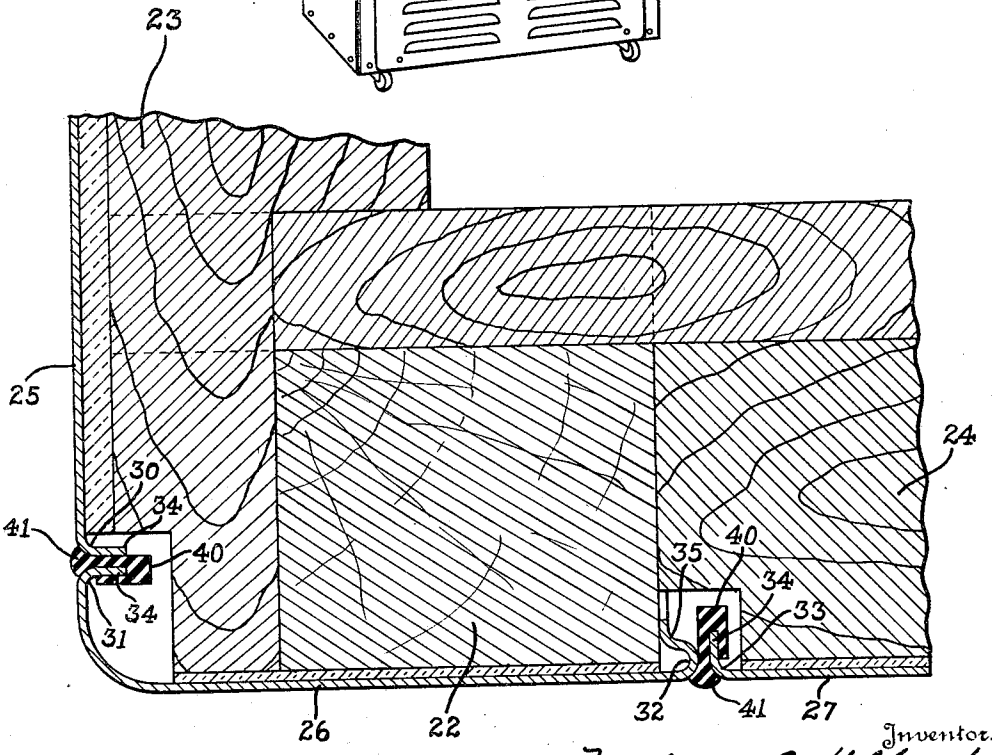


Fig. 2

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REFRIGERATING APPARATUS

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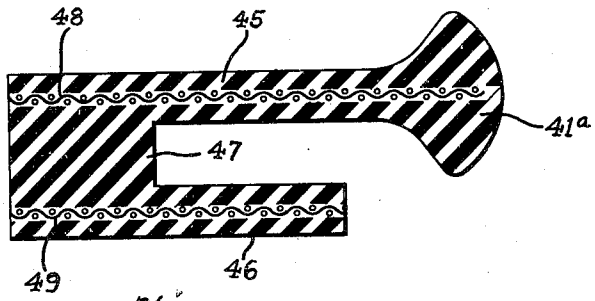


Fig. 3

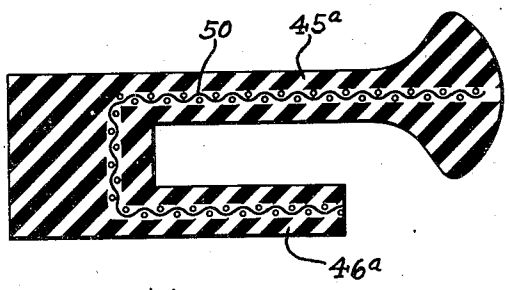


Fig. 4

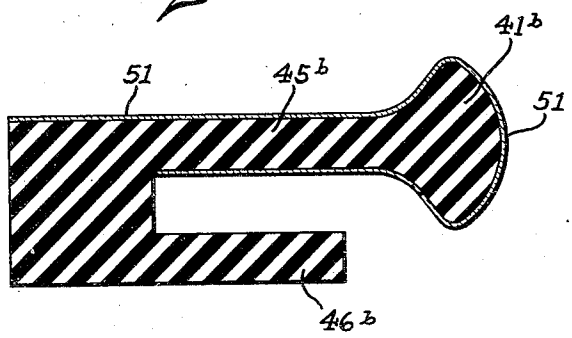


Fig. 5

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UNITED STATES PATENT OFFICE

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REFRIGERATING APPARATUS

Application filed October 30, 1928. Serial No. 316,100.

This invention relates to refrigerating apparatus and more particularly to a cabinet having an insulated food compartment adapted to be cooled by a cooling element of a mechanical refrigerating system.

An object of this invention is to provide an insulated cabinet having metal panels with adjacent and parallel edges and with a resilient spacer between said edges for preventing the marring of the finish of the metal panels near said edges.

Another object of this invention is to provide a resilient spacer adapted to be placed between adjacent panels of an insulated cabinet, the resilient spacer having an enlarged head adapted to prevent the displacement of the spacer from between the panels.

Further objects and advantages of the present invention will be apparent from the following description, reference being had to the accompanying drawings, wherein a preferred form of the present invention is clearly shown.

In the drawings:

Fig. 1 is a view in perspective of a cabinet embodying features of this invention;

Fig. 2 is an enlarged cross sectional view taken along the line 2—2 of Fig. 1;

Fig. 3 is an enlarged cross sectional view of a spacer embodying features of this invention;

Fig. 4 is a cross sectional view of a slightly modified spacer; and

Fig. 5 is a cross sectional view of a further modification of a spacer.

A cabinet embodying features of this invention is generally designated as 20. Within the cabinet and behind the door 21 is placed an insulated food compartment adapted to be cooled by the cooling element of a mechanical refrigerating system. The outer casing of this cabinet may comprise a number of metal panels, porcelain enameled, if desired, which panels are provided with adjacent and parallel edges at various points. Between these edges a resilient spacer may be placed in order to prevent damage to the ornamental coat, such as porcelain enamel, which damage is liable to occur by reason of a relative movement between the edges of the panels. A type of cabinet which may embody features of this invention is more fully described in the application of Henry P. Braeutigam and Wm. C. Holbrook, Ser. No. 257,589, filed February 29, 1928, to which reference is made, if necessary, for a further description of the cabinet.

The cabinet may include a framework. For instance, the framework may include vertical corner pieces 22 and horizontal corner pieces 23. The framework may also include a portion of a door jamb formed by the frame members 24 above and below the door opening. To this framework, the lining of the food compartment together with its insulation may be attached. Also the outer casing, including the metal panels, may be attached to the framework. The outer casing may include side metal panels 25, front corner panels 26 and upper and lower door jamb panels 27 and 28. A cover 29 may telescope over the panels 25, 26 and 27 and over a rear panel, not shown.

The panels may have adjacent and parallel edges and may have a flexible spacer between said edges. For instance, the panel 25 may be provided with an edge 30 parallel and adjacent to the edge 31 of the panel 26. Likewise, the panel 26 may have an edge 32 parallel and adjacent to the edge 33 of the panel 27. In this particular embodiment, the edges 30, 31 and 33 may be provided with inwardly directed flanges 34, while the edge 32 may be provided with an S-shaped flange 35.

A resilient spacer is adapted to be placed between the adjacent edges. In this particular embodiment, the spacer may have a cross section forming an angle. The angle is adapted to fit around one of the edges of one of the panels. Thus the spacer 40 is provided with an angle, which in this particular embodiment is a U-shaped angle, adapted to fit around one of the edges of one of the panels. As shown in Fig. 2 the U-shaped spacer 40 fits on either of the edges 31 or 33 around the flange 34. An integral head on the spacer 40, and designated as 41, prevents the displacement of the spacer from between the edges of the panels.

Fig. 3 shows a spacer embodying features

of this invention. The spacer is an angularly cross sectioned spacer having an angle in the form of a U. Thus in Fig. 3, the spacer is provided with legs 45 and 46 forming an angle at 47. One of the legs, for instance leg 45, is provided with an integral head 41*a* corresponding to head 41 in Fig. 2. Reinforcement also may be provided in the spacer. Thus cloth strips 48 and 49 may be embedded in the legs 45 and 46 of the spacer preferably in parallel relation. The cloth strips may be embedded in any position from the edge of the rubber to the center. In Fig. 4 the spacer may comprise legs 45*a* and 46*a*. The reinforcement in this embodiment may comprise a single cloth strip 50 embedded in the rubber, said strip also being of angle cross section following the cross section of the spacer.

The spacer may be provided with an ornamental cover which, if desired, may also form a reinforcement for the spacer. Thus in Fig. 5 the spacer with legs 45*b* and 46*b* is provided with a reinforcement member 51 which may be a strip of pyroxylin mounted around the leg 45*b* and completely inclosing the same, including the head 41*b*. The strip 51 of pyroxylin is thus held by the edges of the panels, reinforces the spacer and presents an ornamental facing around the head 41*b* which is easily cleaned.

While the form of embodiment of the invention as herein disclosed, constitutes a preferred form, it is to be understood that other forms might be adopted, all coming within the scope of the claims which follow.

What is claimed is as follows:

1. In a refrigerator having metal panels with adjacent and parallel flanges, an angularly cross sectional rubber spacer fitting around one of said flanges and having a portion between said flanges, said portion having an enlarged head and a plurality of reinforcing strips arranged in the parallel sides of said spacer.

2. In a refrigerator having metal panels with adjacent and parallel edges, a U-shaped rubber spacer fitting around one of said edges and having a portion between said edges, said portion having an enlarged head, and a plurality of parallel reinforcing strips arranged substantially throughout the length of the parallel sides of said spacer.

3. In an insulated refrigerator cabinet having metal panels with adjacent and parallel flanges, a U-shaped rubber spacer fitting around one of said flanges and having a portion between said flanges, said portion having an enlarged head and reinforcing means embedded in at least one of the parallel sides of said spacer.

In testimony whereof we hereto affix our signatures.

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