

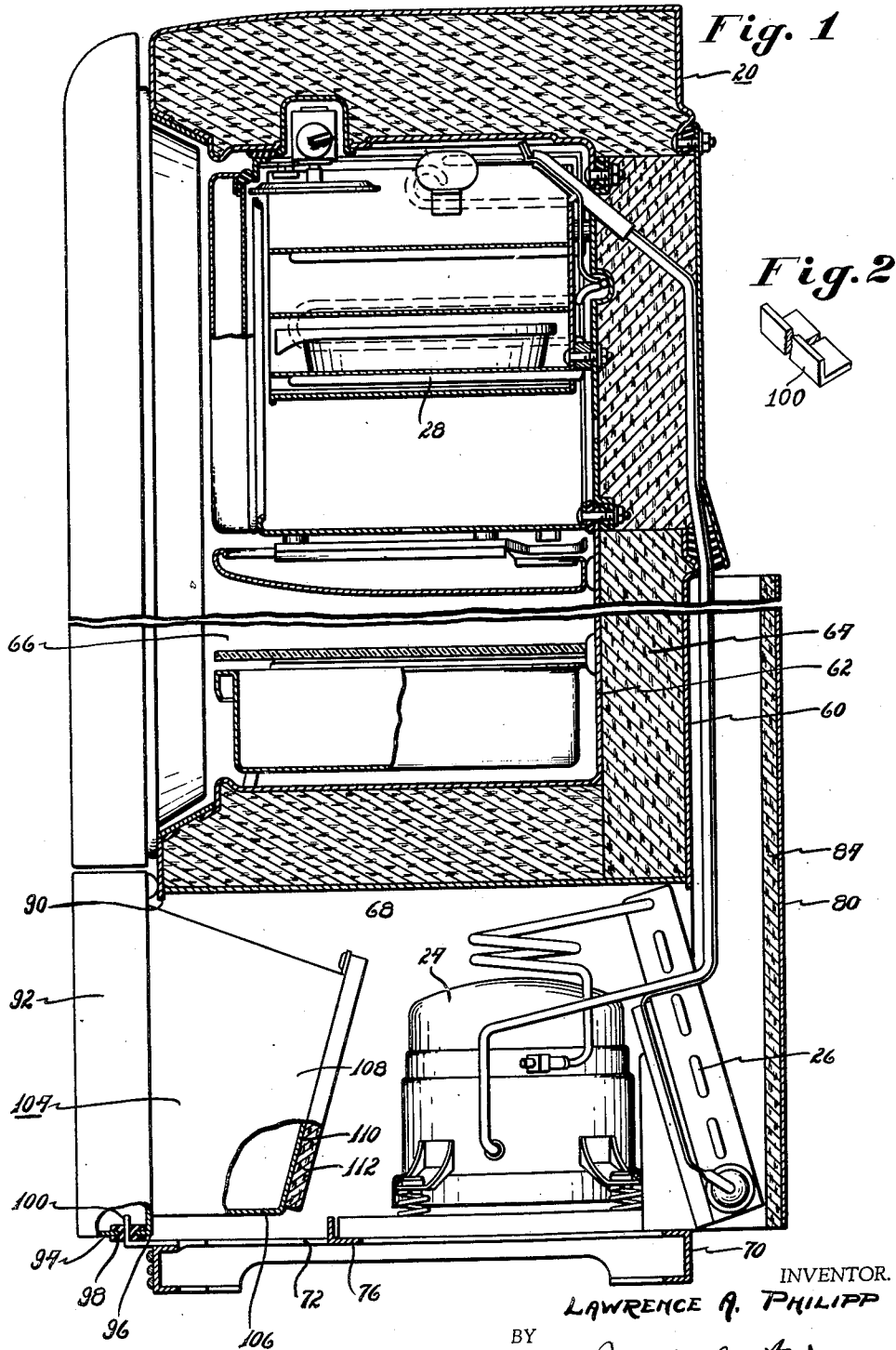
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REFRIGERATING APPARATUS

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REFRIGERATING APPARATUS

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1 Claim. (Cl. 312—155)

This invention relates to refrigerating apparatus, and more particularly to refrigerating apparatus of the multiple temperature type.

The present invention is a division of my co-pending application Serial No. 351,834, filed August 8, 1940, for Refrigerating apparatus.

It is an object of the present invention to provide refrigerating apparatus comprising a cabinet having a compartment, a frame for the lower portion of the cabinet, an L-shaped member carried by said frame, and a tiltable compartment door engaging both sides of the vertical leg of the L-shaped member and being arranged to rest on the horizontal portion of the L-shaped member.

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

In the drawing:

Fig. 1 in the drawing is a vertical view in cross section of the apparatus embodying features of my invention, and

Fig. 2 is a perspective view of an L-shaped member embodying feature of my invention.

Referring to the drawing, there is shown a refrigerator cabinet designated in general by the numeral 20. Within this cabinet is disposed a refrigerating system which includes a motor compressor unit 24, condenser 26 and evaporating means 28.

Referring more specifically to the drawing, the refrigerator cabinet includes an outer casing 60 and an inner liner 62. Insulation 64 is interposed between the walls 60 and 62 to insulate a food storage compartment 66 formed by the inner walls of the liner 62. The outer casing extends downwardly to provide a machine compartment 68. A base 70 is provided for the cabinet and is open as at 72 to provide for the free circulation of air through the machine compartment.

Within the machine compartment I have disposed my motor compressor unit 24 and condenser 26. The motor compressor unit is mounted upon an angle iron 76 which is supported by the base 70. At the rear of the cabinet I have provided a flue 80 for aiding and setting up a natural draft of air over the motor compressor unit and condenser to take the heat of condensation out of the machine compartment 68. It will be noted that on the inner side of the flue 80 I have provided insulating material 84, which may preferably be of sound absorbing characteristics. As indicated, the insulation is formed of sheet cork. It may, however, be of any suitable fibrous material which has characteristics for sound absorbing. The front of the cabinet is cut away as at 90 so as to provide an opening for gaining access to the machine compartment. This opening is

closed by a door 92 which is formed of double walled sheet metal having ends 94 and 96 which carry gasket material 98. These ends are turned in toward each other and are spaced apart so as to receive an angle member 100 carried by the base 70. By this arrangement it is possible to tilt the door outwardly away from the machine compartment at its upper edge. The angle member 100 may extend from one side of the machine compartment to the other if desired or part way so that it will be sufficient for supporting the weight of the door. On the rear side of the door I have provided a vegetable bin 104 which is secured to the door in any suitable manner and is tiltable with the door. Thus when the upper part of the door 92 is tilted outwardly away from the machine compartment, access may be had to the interior of the vegetable bin. The bin includes bottom wall 106, side walls 108 and rear wall 110. Secured to the rear wall is a slab of insulating material 112, which, as indicated, is formed of sheet cork. This insulating material 112 like insulating material 84 may be of any suitable material so long as it has heat absorbing characteristics as well as insulation qualities so as to insulate the vegetables from the heat of condensation as well as absorb noises created by the motor compressor unit. This vegetable bin may extend from one side of the machine compartment to the other.

Although only a preferred form of the invention has been illustrated, and that form described in detail, it will be apparent to those skilled in the art that various modifications may be made therein without departing from the spirit of the invention or from the scope of the appended claim.

I claim:

Refrigerating apparatus comprising a cabinet having a compartment with an opening in a side wall thereof, a hollow tiltable compartment door formed of thin sheet metal material for closing said opening, a frame for the lower portion of the cabinet and forming a base therefor and being arranged adjacent the bottom of said compartment, an elongated, L-shaped member in cross section carried by said frame and being disposed with one leg extending upwardly from a horizontal portion, the horizontal portion of which is adapted to support said tiltable door and the vertical leg of which is arranged to extend through an opening in a wall of said door, gasket material positioned in said opening and surrounding said vertical leg and resting on said horizontal portion, and a vegetable bin disposed in said compartment and secured to said door, the weight of which is sufficient to maintain the door in vertical position when not in use.

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