

Dec. 14, 1926.

L. BONACCOLTA

1,610,244

REFRIGERATOR

Filed Nov. 10, 1924

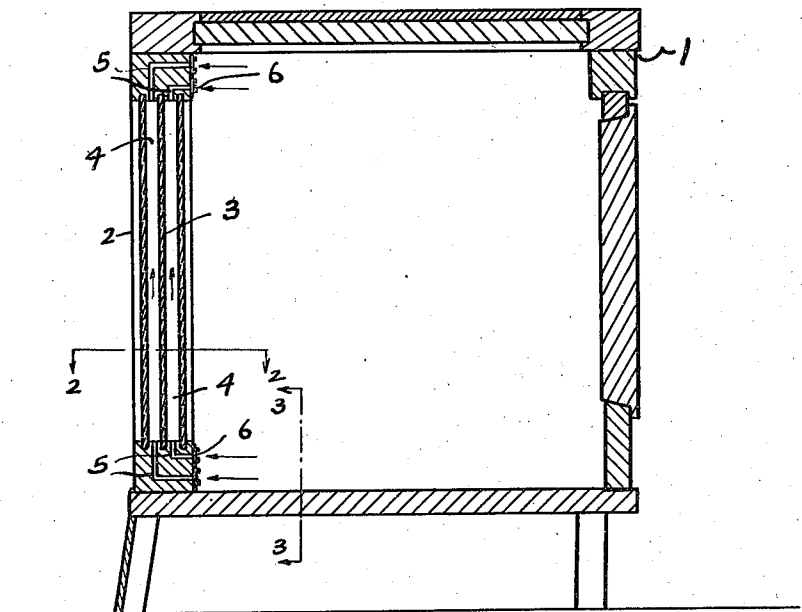


Fig. 1.

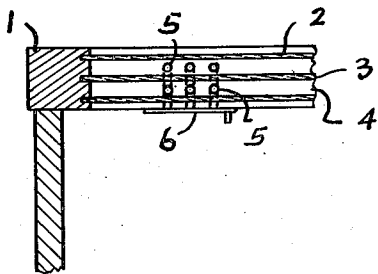


Fig. 2.

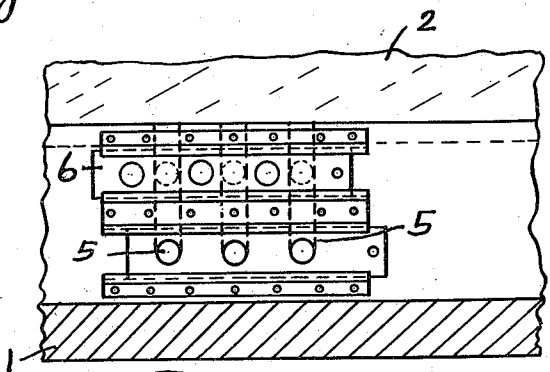


Fig. 3. INVENTOR. Louis Bonaccolta.

BY

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UNITED STATES PATENT OFFICE.

LOUIS BONACCOLTA, OF HOUSTON, TEXAS.

REFRIGERATOR.

Application filed November 10, 1924. Serial No. 748,868.

This invention relates to new and useful improvements in a refrigerator.

One object of the invention is to provide a refrigerator some of the walls of which are formed of transparent panes, usually of glass, and spaced apart to form air chambers between them, and containing means for permitting the circulation of air through said chambers.

Another object of the invention is to provide a display refrigerator having one, or more, transparent walls, usually of glass, and embodying means for preventing condensation on said walls.

With the above and other objects in view the invention has particular relation to certain novel features of construction, operation and arrangement of parts an example of which is given in this specification and illustrated in the accompanying drawings, wherein:

Figure 1 shows a vertical sectional view of the refrigerator.

Figure 2 is a fragmentary sectional view, taken on the line 2—2 of Figure 1, and

Figure 3 is a fragmentary sectional view taken on the line 3—3 of Figure 1.

Referring now more particularly to the drawings the numeral 1 designates the refrigerator, as a whole, which may be of any conventional contour and construction. The refrigerator is particularly designed for display purposes and for that reason has at

least one transparent wall, as 2, formed with transparent panes, as 3, spaced apart to form chambers 4 between them. In order to prevent condensation on the panes 3, and a consequent obstruction of the view through them provision has been made for circulating air through said chambers to maintain them of uniform temperature with the air in the refrigerator. To accomplish this circulation upper and lower air ducts, 5, 5 have been provided which lead from the interior chamber of the refrigerator into the upper and lower parts, respectively, of the chambers 4. The inner ends of these ducts may be opened and closed by means of perforated sliding gates, or valves, as 6. When the condensation begins to form on the glass, said valves 6 may be opened and the air in the refrigerator chamber will circulate about said panes and bring them to a uniform temperature with the air and the condensation will be stopped and the panes kept clear.

What I claim is:

A refrigerator wall comprising a frame, glass panels secured and sealed in said frame in spaced relation, said frame having passages leading from the interior of the refrigerator to the space or spaces between said glass panels.

In testimony whereof I have signed my name to this specification.

LOUIS BONACCOLTA.