

(No Model.)

J. G. FLINT.  
REFRIGERATOR.

No. 551,950.

Patented Dec. 24, 1895.

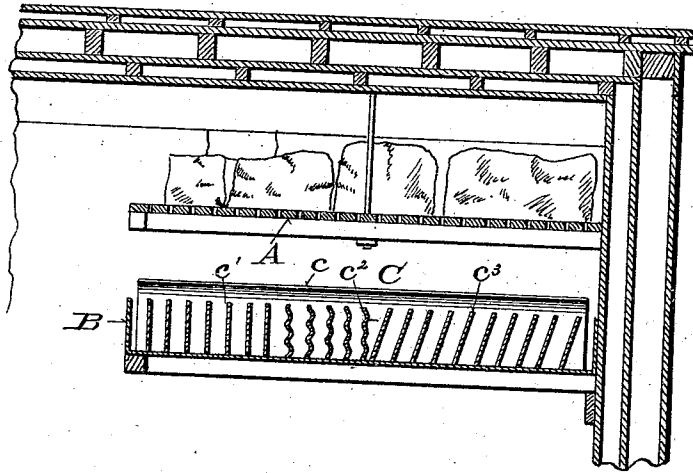


Fig. 1.

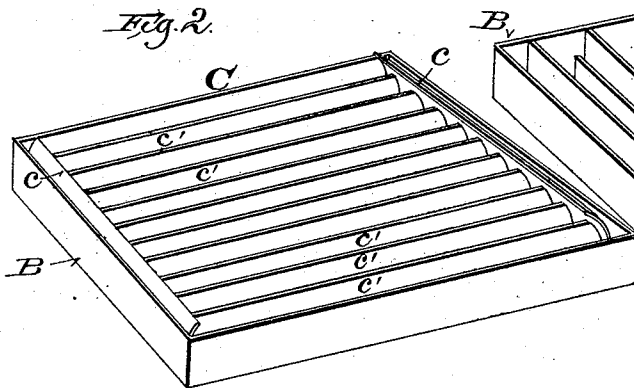


Fig. 2.

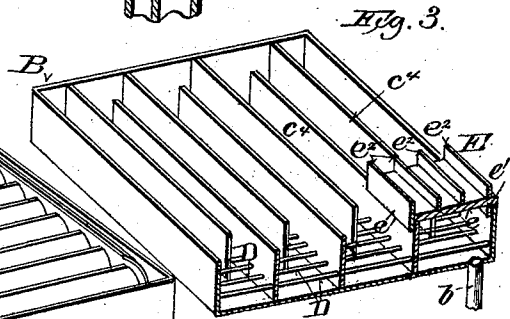


Fig. 3.

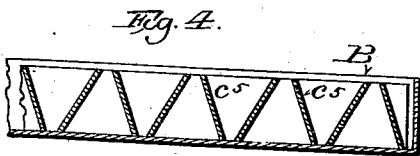


Fig. 4.

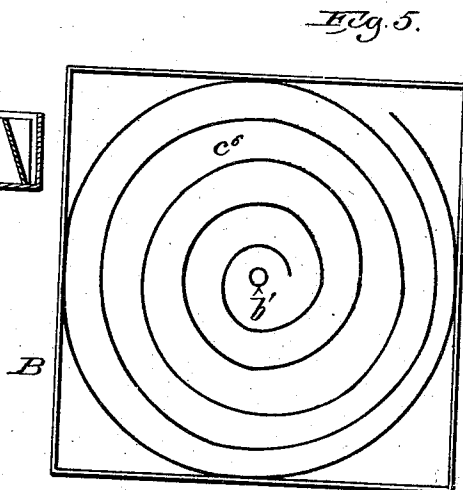


Fig. 5.

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# UNITED STATES PATENT OFFICE.

JOHN G. FLINT, OF MILWAUKEE, WISCONSIN.

## REFRIGERATOR.

SPECIFICATION forming part of Letters Patent No. 551,950, dated December 24, 1895.

Application filed December 14, 1891. Serial No. 415,052. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN G. FLINT, of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Refrigerators; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The object of my invention is to prevent spattering and splashing of water from the drip-pans of refrigerators, and thereby to keep the floors and walls of the cold-storage rooms or compartments dry.

It consists essentially of providing the drip-pans with a rack or division-plates, bars or screens so constructed and arranged as to prevent the water from spattering or splashing over the sides of and out of the drip-pans, and of certain other novel features hereinafter particularly described, and pointed out in the claims.

In the accompanying drawings like letters designate the same parts in the several figures.

Figure 1 is a vertical section of a refrigerator-car provided with my improvements. Fig. 2 is a perspective view of a refrigerator drip-pan provided with a splash-rack embodying my invention. Fig. 3 is a similar view of a drip-pan and splash-rack, showing a modification of the invention. Fig. 4 is a vertical section of a drip-pan and another modification of the splash-rack, and Fig. 5 is a plan view showing still another modification of the splash-rack.

Referring to Fig. 1, in connection with Fig. 2, A represents an ice-supporting rack of the usual or any suitable construction and arrangement. B is a drip-pan of the ordinary construction placed in the usual manner underneath the ice-rack. C is one form of a splash-rack embodying my invention made separate from the drip-pan and adapted to be placed therein, as shown, and to be readily removed therefrom for the purpose of cleaning the same and the drip-pan. This form of the device consists of two side boards

or plates  $c$ , which may be curved or turned inwardly at their upper edges, so as to prevent any splashing or spattering over the sides of the drip-pan, and of a series of transverse partitions or splash-boards  $c'$ ,  $c^2$  and  $c^3$ , secured in any suitable manner at the ends to said side boards or plates  $c$ . These partitions may be set at any suitable distance apart to effect the desired result, and may be made of plates or screens of wood, metal or other suitable material. They may also be made straight and set in a perpendicular position, as at  $c'$ , or in an inclined position, as at  $c^3$ , or may be corrugated or fluted, as at  $c^2$ , or of any other suitable shape.

Referring to Fig. 3, showing a modification of the splash-rack, the transverse partition or splash-boards  $c^4$  of the splash-rack are connected and held in place at the desired intervals from each other by tie-rods D. These tie-rods may be made of any suitable material and variously arranged. Every other partition  $c^4$  may be made to extend at one end against or close to one side of the drip-pan, while a space is left between their opposite ends and the opposite side of the drip-pan against or close to which the intermediate or alternate partitions extend, so as to afford communication at the sides of the drip-pan between the several compartments into which it is divided by the splash-rack, and to provide a free passage for the water from any part of the pan to the waste pipe or connection  $b$ .

Referring to Fig. 4, showing another modification of the splash-rack, the partitions  $c^5$  are inclined alternately in opposite directions toward the front and back of the drip-pan.

In Fig. 5 the splash-rack is made of a spiral partition  $c^6$ , and the waste pipe or opening  $b'$  of the drip-pan is shown at the center, to which the spiral channel, into which the drip-pan is divided by the rack, leads from the outer portions of the drip-pan.

Instead of a spiral partition a series of concentric circular or segmental partitions may be employed.

The division-plates or splash-boards of the rack may be permanently attached to the drip-pan, although for the purpose of cleansing the rack and pan I much prefer to make the rack separate and detachable.

The device is intended for use in refrigerators for dwellings or other buildings, as well as in refrigerator-cars.

In permanent or stationary refrigerators the splash-rack operates to prevent the water as it drops from the ice from spattering over the sides and out of the drip-pan upon the floor or walls of the refrigerator or cold-storage room or compartment; and in cars or portable refrigerators the rack operates not only to prevent spattering, but also to prevent splashing produced by the movement and agitation of the water in the drip-pans, and the inconvenience and damage which have heretofore resulted from the splashing of the water from the drip-pans upon the floors and contents of refrigerator-cars are thus easily and effectually remedied.

In order to prevent the clogging of the waste pipe or opening of the drip-pan by sawdust or other impurities falling from the ice or the ice-rack, I provide a guard E, which is supported upon the drip-pan or splash-rack, or both, over the waste-opening, as shown in Fig. 3. It may be conveniently constructed of a horizontal board or plate *e*, with flanges or projections *e'* on the under side to engage with the upper edges of one or more partitions *c'* and, if located adjacent thereto, with the upper edges of one or more sides of the drip-pan, and it may be provided on the upper side with transverse splash boards or screens *e''*, similar to the division-plates of the splash-rack.

Various modifications in the details of construction and arrangement of my invention may be made within its spirit and intended scope.

I claim—

1. In a refrigerator, the combination of a cold storage room or compartment provided with an ice supporting rack, a drip pan located below said ice rack, the space between

said rack and drip pan being open and communicating with said room or compartment, and one or more partitions projecting above and below the surface of the water in the drip pan and forming a series of barriers against splashing and spattering of water from the drip pan through said open space into said room or compartment, substantially as and for the purposes set forth.

2. In a refrigerator, the combination of a cold storage room or compartment provided with an ice supporting rack, a drip pan located beneath said rack, the space between them being open and communicating with said room or compartment and a splash rack consisting of one or more splash boards or partitions extending from side to side thereof, said splash rack being separate and removable from the drip pan, substantially as and for the purposes set forth.

3. In a refrigerator, the combination of a cold storage room or compartment provided with an ice supporting rack, a drip pan located below said ice rack, the space between said rack and drip pan being open and communicating with said room or compartment, a waste pipe or opening located in said drip pan, a splash rack extending from side to side of the drip pan and consisting of a series of splash boards or partitions, and a guard having splash boards thereon placed over said waste pipe or opening, so as to prevent sawdust or other impurities from dropping into it, substantially as and for the purposes set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JOHN G. FLINT.

Witnesses:

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