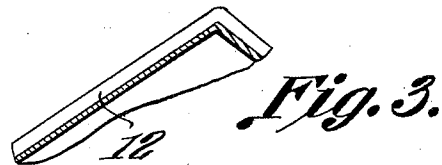
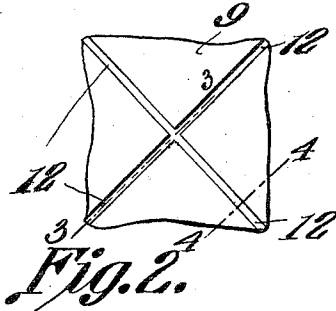
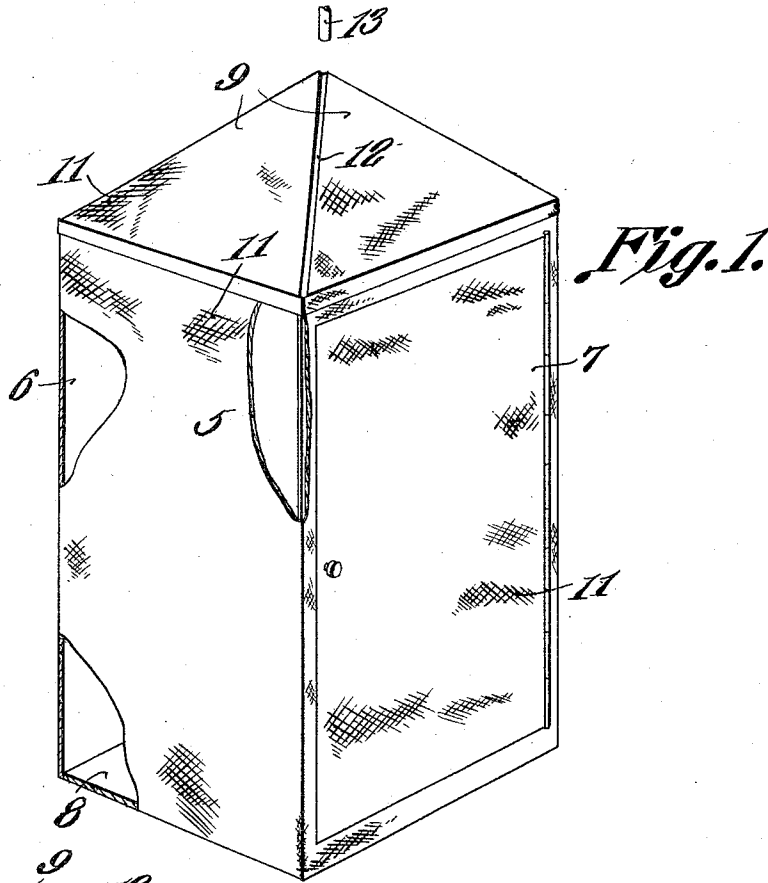


G. McD. WILLARD.
REFRIGERATOR.
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1,018,539.

Patented Feb. 27, 1912.



Witnesses

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UNITED STATES PATENT OFFICE.

GEORGE McDONALD WILLARD, OF COTTONWOOD, ARIZONA TERRITORY.

REFRIGERATOR.

1,018,539.

Specification of Letters Patent.

Patented Feb. 27, 1912.

Application filed February 13, 1911. Serial No. 608,272.

To all whom it may concern:

Be it known that I, GEORGE McDONALD WILLARD, a citizen of the United States, residing at Cottonwood, in the county of Yavapai and Territory of Arizona, have invented a new and useful Refrigerator, of which the following is a specification.

It is the object of the present invention to provide an improved refrigerator of that class which are designed to contain milk, cheese, butter, and other food articles which require to be kept merely cool, and which are designed to accomplish this result without the employment of ice.

More specifically the refrigerator embodying the present invention is of that particular class which are covered with an absorbent material and which are disposed beneath a source of water supply whereby the saturation of the covering and the evaporation of the water will act to lower the temperature within the body of the device. It is customary to construct the bodies of refrigerators of this type, rectangular but it has been found that where so constructed, the portion of the covering for the body at the intermediate portions of the walls will become more thoroughly saturated than the portions of the covering at the corners of the body. Consequently, it is evident that the water is not ordinarily evenly distributed over the sides of a body of this form. However, it is advantageous to form the body rectangular as it is more readily manufactured in this form and also will have a maximum capacity.

It is therefore the object of the present invention to provide, in a refrigerator of this type and one which is rectangular in its body, means for evenly distributing the water over the exterior surface of the body so that the portions of the covering at the corners of the body will be as thoroughly saturated as those portions between the corners. In attaining this object, the invention contemplates the provision of a novel top for a refrigerator body of this form.

In the accompanying drawings:—Figure 1 is a perspective view of the refrigerator embodying the present invention. Fig. 2 is a plan view of the central portion of the top of the refrigerator. Fig. 3 is a sectional view on the line 3—3 of Fig. 2. Fig. 4 is a similar view on the line 4—4 of Fig. 2.

In the drawing, the body of the refrigerator is illustrated as formed from sheet

metal and has side walls 5, a rear wall 6, and a hinged door 7 located at the front of the body. The body also includes a bottom 8 and a top.

The stop of the refrigerator body is pyramidal in form, its four sides being secured at their base edges to the upper edges of the side, back and front walls of the body proper. The said sides of the top are indicated by the numeral 9. At this point it may be stated that the body and top of the refrigerator are covered with burlap or other absorbent sheet material 11. Along each of its side edges, the top is formed with a channel or groove 12 extending therealong from the apex to the base, the upper ends of the grooves communicating with each other at the apex of the said top. A water supply pipe or nozzle 13 leading from any suitable source of supply has its discharge end presented immediately above the apex of the refrigerator top and the water discharged from this pipe or nozzle onto the said apex will be absorbed by the burlap or other covering, and will flow down the inclined sides of the top and onto the burlap covering the sides of the body proper. The greater portion of the water thus absorbed will however tend to accumulate at the intermediate portions of the sides of the top and the sides, back, and front of the body proper, and, were it not for the provision of the grooves or channels 12 in the top, this tendency toward accumulation of the water at the portion of the walls stated would result in the said intermediate portions of the walls being saturated more thoroughly than the portions adjacent to and at the corners of the body. Owing to the formation of the channels in the top, however, a considerable quantity of the water discharged upon the apex will enter these channels and, flowing down the same, be absorbed readily by the portions of the burlap covering at the corners of the body. Thus, by forming these channels in the top, an even distribution of the water to all portions of the covering for the body is provided for.

What is claimed is:

1. A refrigerator of the class described having a pyramidal top formed with channels along its inclined diagonal edges.
2. A refrigerator of the class described having a top wall including relatively inclined portions formed with a channel at

their junction, said channels radiating from a common point.

3. A cooler of the class described having a pyramidal top formed along each side edge with a channel extending radially from the apex to the base of the top.

4. A refrigerator comprising a body having side corners and a pyramidal top having the lower end of its corners registering with the upper ends of the corners of the body and formed with channels extending therealong from the apex to the base of the top.

5. A refrigerator of the class described, comprising a rectangular body portion provided with a hinged door, said rectangular body portion being exteriorly covered with a liquid holding fabric, and a cover fitting

upon the upper end and substantially rectangular in plan, and comprising four substantially triangular sections connected together to form a pyramidal top, the respective meeting edges of said sections being grooved to form diagonally disposed channels leading from the top or central point of the top to the corners of the body portion, and a moisture retaining fabric covering said sections of the top.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

GEORGE McDONALD WILLARD.

Witnesses:

ETTIE WILLARD,

LUNA B. WILLARD.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."