

No. 623,905.

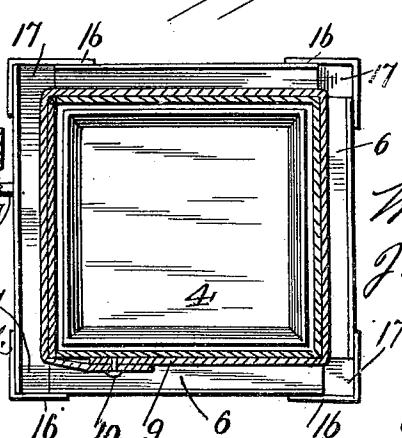
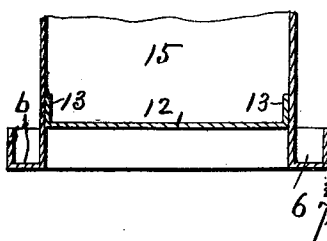
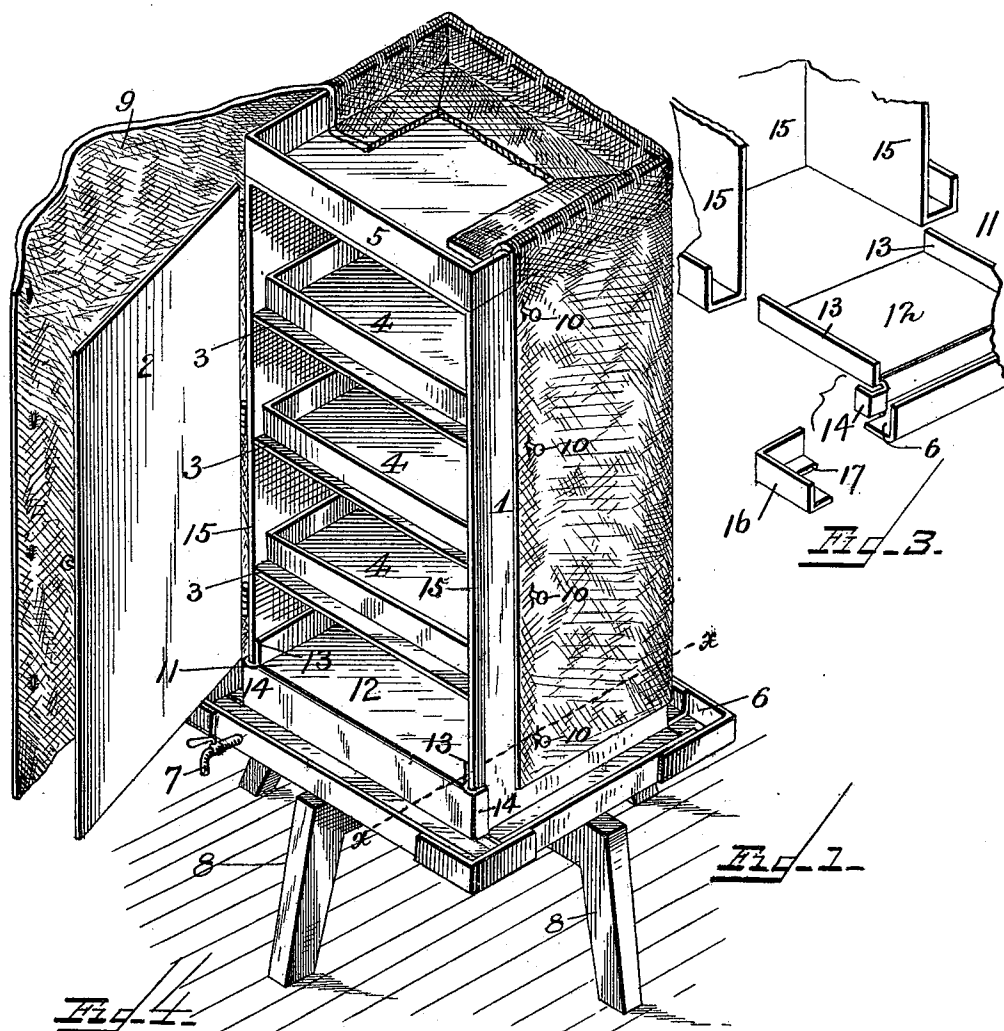
.Patented Apr. 25, 1899.

W. O. & J. J. HUDGENS.

REFRIGERATOR.

(Application filed Nov. 29, 1898.)

(No Model.)



File

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UNITED STATES PATENT OFFICE.

WILLIAM OBIE HUDGENS AND JOSEPH J. HUDGENS, OF WALDO, ARKANSAS.

REFRIGERATOR.

SPECIFICATION forming part of Letters Patent No. 623,905, dated April 25, 1899.

Application filed November 29, 1898. Serial No. 697,750. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM OBIE HUDGENS and JOSEPH J. HUDGENS, citizens of the United States, residing at Waldo, in the county of Columbia and State of Arkansas, have invented certain new and useful Improvements in Refrigerators, (designed more especially as milk-coolers,) of which the following is a specification.

Our invention is a refrigerator, and will keep cool and preserve all kinds of meats, vegetables, butter, milk, &c., but is chiefly designed and constructed to keep milk cool, pure, and sweet.

In the accompanying drawings, Figure 1 is a perspective view of our invention. Fig. 2 is a cross-sectional view of Fig. 1 on the line *xx*. Figs. 3 and 4 are detail views.

The side and rear walls of our refrigerator are constructed of a single sheet of galvanized iron, rectangular-oblong in shape, and made on the order of a safe or cupboard, having a pan of water on top, several shelves with a pan on each shelf, a cloth cover, a trough to catch the drip-water, and a spigot to let said water off into a waste vessel.

Our refrigerator is more particularly described as follows: It consists of a rectangular-oblong box 1, set up on one end, with an open front; a door 2, made of a single sheet of galvanized iron, hinged to said box; shelves 3, situate in said box; pans 4, two or three inches deep, fitting in said box and sitting on said shelves; a pan 5, four or five inches deep, sitting on the top of said box; a trough 6, fitting around the lower end of said box; a faucet 7 for letting waste water out of the trough; a stool 8 for holding said refrigerator, and a piece of cloth 9, wide enough to go around the box and long enough to double over the top of the pan 5, with the upper end in the pan, its lower end reaching down into the trough 6. This cloth 9 has one edge buttoned over buttons 10, secured in one of the side walls of the box, the other edge of the cloth adapted to come around over the door when closed and be buttoned over the buttons 10. The bottom is formed of one piece 12, its ends 13 and back part being turned up and secured to the side and back walls, respectively, its

front part turned down and its ends turned around the edges of the side wall 15, forming corner-braces 14, said front part turning out near its bottom, then up, forming the front part of trough 6, the side and back walls running down a short distance below the bottom, then turning out, then up, forming the sides and back part of said trough 6, and corner-pieces 16, having bottoms 17, filling up the corner-gaps and completing the trough 6.

The refrigerator is mounted on a stool 8, composed of two cross-pieces, each cross-piece provided with feet. The milk or other matter to be preserved is placed in the pans 4, the door 2 is closed, the cloth 9 is wrapped around the box and buttoned over buttons 10, the upper end of the cloth is turned over into the pan 5, the pan is filled with water, the water by capillary action ascends the fibers of the cloth, rises over the edges of the pan 5, and gradually descends into the trough 6 below, and by the law of evaporation keeps the contents of the refrigerator cool without the aid of ice.

This refrigerator may also be used in the winter-time to keep milk or other things warm by keeping it near the fire.

Having described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. A refrigerator consisting of a rectangular-oblong box 1, its side and back walls made of one single sheet of galvanized iron, a door 2, also made of a single sheet of galvanized iron, hinged to said box, shelves 3, situate in said box, one above the other; pan 5, situate on the top end of the box; a trough 6, surrounding the lower end of said box; a cloth 9, adapted to envelop said box, its upper end to lap over into pan 5, and its lower end to reach down into trough 6; a spigot 7, to allow surplus water to escape, substantially as shown and described and for the purposes set forth.

2. A refrigerator consisting of a rectangular-oblong box 1, having an open front; a door 2, hinged to said open front; shelves 3, situated in said box, one above the other; a pan 5 situated on the top end of said box; a bottom to said box having side flanges 13,

corner-braces 14, and a front flange, turning
out and then up, forming part of a trough 6;
the lower ends of the side and back parts of
said box, turning out and then up, forming
5 the other three parts of trough 6, rectangular
corner-pieces 16, having buttons 17, complet-
ing the trough; cloth 9, adapted to envelop
said box and to have its upper end folded
over into pan 5, its lower end reaching down
10 into trough 6; said box adapted to sit on a
base 8, substantially as shown and described.

In testimony whereof we affix our signa-
tures in presence of two witnesses.

WILLIAM OBIE HUDGENS.

JOSEPH J. HUDGENS.

Witnesses to Wm. O. Hudgens's signature:

J. R. HILLYARD,

G. W. COOK.

Witnesses to Joseph J. Hudgens's signa-
ture:

J. W. COTTINGHAM,

WILL WEAVER.