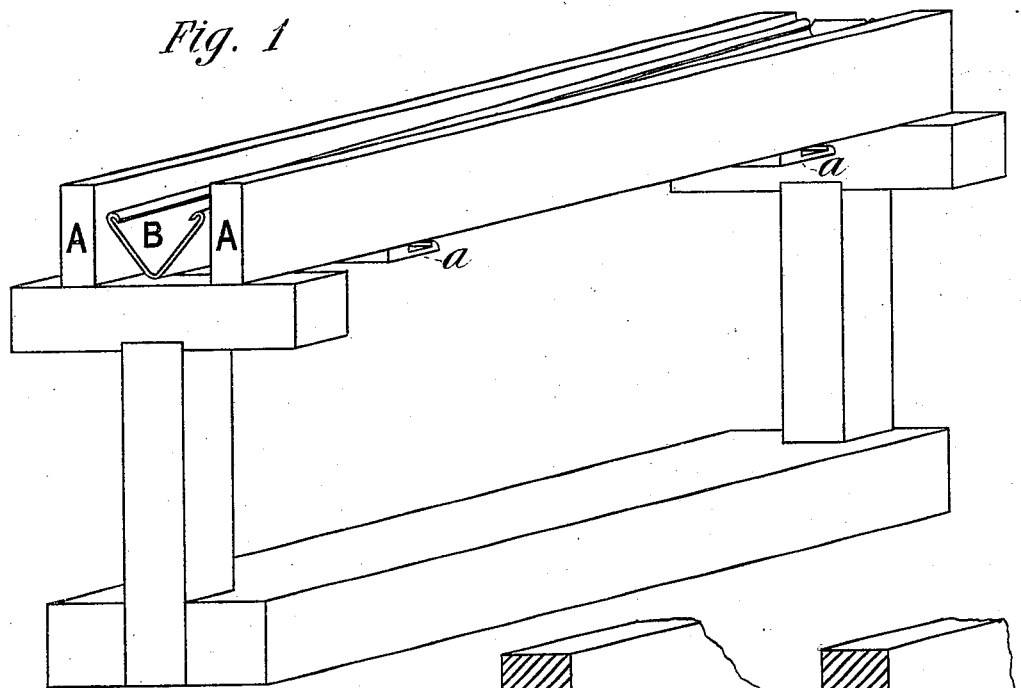


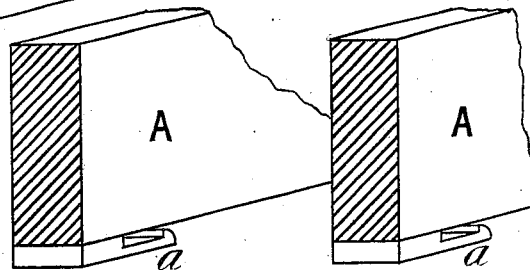
J. C. DE LA VERGNE & E. M. DAVIES.  
Ice-Floor for Refrigerator-Buildings.

No. 197,482.

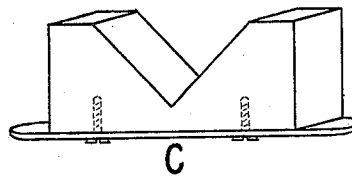
Patented Nov. 27, 1877.



*Fig. 1*



*Fig. 2*



*Fig. 3*

*Witnesses :*

*W. M. Mixer*

*Walter A. Martique*

*Inventors :*

*John C. De La Vergne*

*Edwin M. Davies*

# UNITED STATES PATENT OFFICE.

JOHN C. DE LA VERGNE, OF JERSEY CITY, N. J., AND EDWIN M. DAVIES,  
OF NEW YORK, N. Y.

## IMPROVEMENT IN ICE-FLOORS FOR REFRIGERATOR-BUILDINGS.

Specification forming part of Letters Patent No. **197,482**, dated November 27, 1877; application filed  
October 16, 1877.

*To all whom it may concern:*

Be it known that we, JOHN C. DE LA VERGNE, of Jersey City, county of Hudson, State of New Jersey, and EDWIN M. DAVIES, of the city, county, and State of New York, have invented a new and useful Improvement in Refrigerators, which improvement is fully set forth in the following specification.

Our invention relates to an improvement in that class of refrigerators in which the ice is placed in an upper chamber and supported by joists, with gutters between the joists for leading off the drippings of the ice.

The object of our invention is to more easily remove or take down gutters in large refrigerators, when necessary to clean, repair, or put in new ones, without disturbing the ice or any other part of the refrigerator.

To this end the invention consists of movable crutches, constructed of metal and wood, for supporting the gutters, and catches, that are secured on the under side of the joists, for holding the notches to their places between the joists, and in proper position for the gutters to rest, the catches being so constructed that the notches can be pushed off or replaced easily.

In the accompanying drawings, Figure 1 represents a perspective view. Fig. 2 shows

the catches on the joists; Fig. 3, a detached crutch.

Similar letters of reference indicate corresponding parts.

A A represent the joists for supporting the ice; B, the gutter for carrying away the water; C C, the crutches for supporting the gutters, and *a a* the catches for holding the crutches to their proper places between the joists. The crutches are made of different depths, to accommodate any required pitch of the gutters necessary for good drainage, and formed to the curve or angle of the under side of the gutter.

Having now described our invention, we will proceed to set forth what we claim and desire to secure by Letters Patent of the United States:

In refrigerators, the combination, with the joists A A and the gutter B, of the movable crutch C and catches *a a*, as and for the purpose set forth.

JOHN C. DE LA VERGNE.  
EDWIN M. DAVIES.

Witnesses:

W. M. MIXER,  
WALTER A. MONTAGUE.