(No Model.)

J. JACKSON.

REFRIGERATOR.

No. 261,552. Patented July 25, 1882.

Fig. 2.

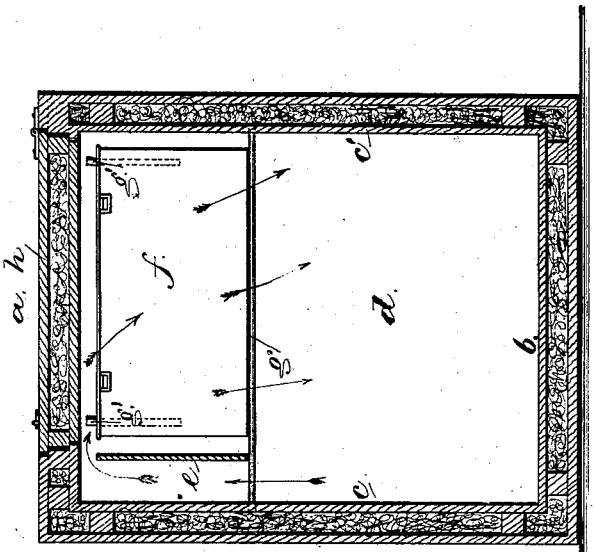
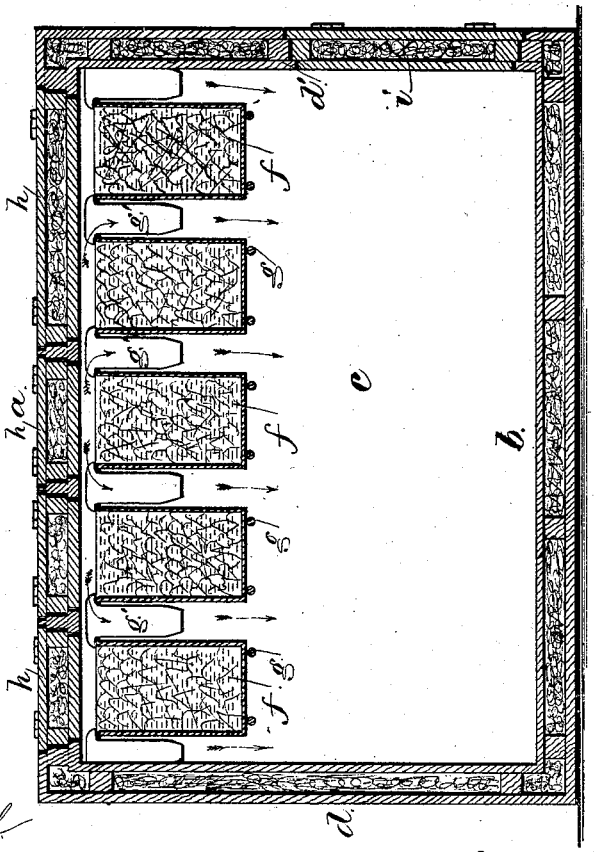


Fig. 1.



Witnesses,
Harold Serrell
Chas. A. Smith

Inventor
James Jackson
per Lemuel W. Serrell
att

N. PETERS. Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

JAMES JACKSON, OF NEW YORK, N. Y.

REFRIGERATOR.

SPECIFICATION forming part of Letters Patent No. 261,552, dated July 25, 1882.

Application filed January 3, 1882. (No model.)

To all whom it may concern:

Be it known that I, JAMES JACKSON, of the city and State of New York, have invented an Improvement in Refrigerators; and the following is declared to be a description of the same.

In that class of refrigerators known as "freezers," where the temperature is kept below the freezing-point by the use of a freezing-mixture of ice and salt, it is usual to construct the whole upper part of the refrigerator as an ice-holder, which portion is made in the form of a wooden or sheet-metal box to hold the freezing-mixture. This form of refrigerator is not convenient, because there is no way to properly clean the box or renew the freezing-mixture, and said freezing-mixture is not as effective in a mass as it is when divided up so that there is a large extent of cooling-surface.

My invention is designed to overcome these difficulties; and it consists of a refrigerator in which sheet-metal boxes or tanks are employed for holding the refrigerating-mixture, and these tanks are supported upon rods or skeleton iron girders, and there are doors or hatchways in the top of the refrigerator, through which these tanks are removed for cleaning and renewing.

In the drawings, Figure 1 is a vertical longitudinal section of the refrigerator, and Fig. 2 is a vertical transverse section of the same.

The refrigerator is composed of the top *a*, bottom *b*, sides *c c'*, and ends *d d'*. The partition *e* is the same as commonly used for insuring a circulation of the air, and said partition runs lengthwise of the refrigerator and has the usual space between its top and the top of the refrigerator.

The boxes or tanks *f* for holding the refrigerating-mixture are supported on rods or girders *g*, that extend from one side of the refrigerator to the other, and said tanks are separated and kept apart by removable T-shaped pieces *g'*, of wood, placed at or near each end of said tanks, five of which I have shown in the drawings.

In the top of the refrigerator there is a door or cover, *h*, as shown in the drawings, directly over each one of the tanks *f*, and large enough when open to allow the tank to be lifted out, replenished or cleaned, and replaced after the frost-crystals have been scraped off.

I may use instead of the T-shaped pieces *g'* skeleton girders or bars between the tanks, extending across the refrigerator at about the middle of the tanks *f*, which bars or girders keep the tanks in place.

The lower portion of my refrigerator may be constructed in any desired manner for the reception of articles to be preserved by the cold air, and it may be provided with a door, as at *i*.

I claim as my invention—

1. In a refrigerator, the combination of the removable tanks *f*, rods or girders *g*, T-shaped pieces *g'*, and doors for allowing of the removal of the tanks for cleaning and replenishing, substantially as set forth.

2. In a refrigerator, the combination of the removable tanks *f*, rods or girders *g*, separating-pieces, and doors or covers *h*, substantially as shown and described, and for the purposes set forth.

Signed by me this 29th day of December, A. D. 1881.

JAMES JACKSON.

Witnesses:
GEO. T. PINCKNEY,
HAROLD SERRELL.