

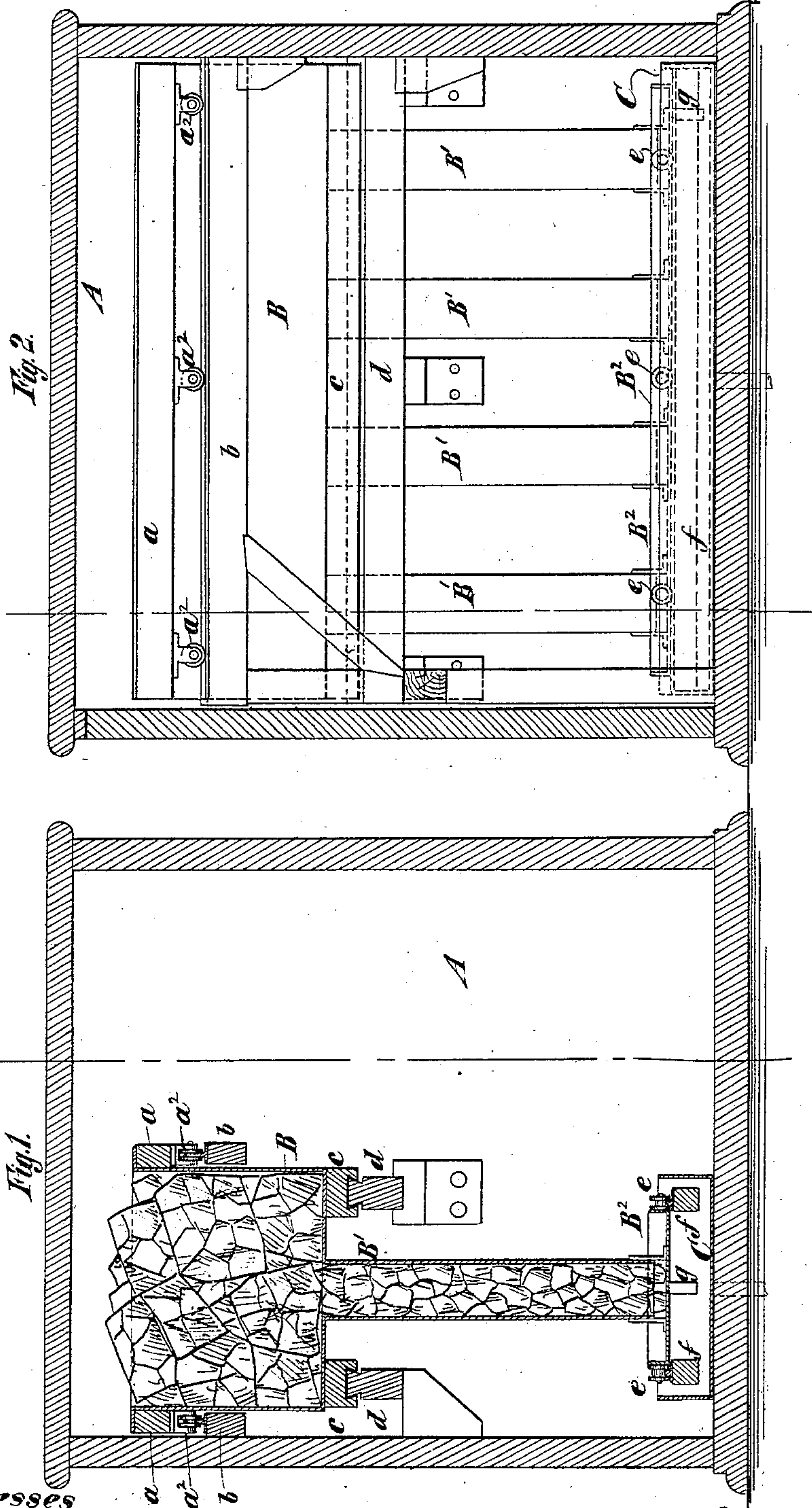
(No Model.)

G. R. WIGHT.

REFRIGERATOR.

No. 284,932.

Patented Sept. 11, 1883.



Witnesses
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UNITED STATES PATENT OFFICE.

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REFRIGERATOR.

SPECIFICATION forming part of Letters Patent No. 284,932, dated September 11, 1883.

Application filed April 27, 1883. (No model.)

To all whom it may concern:

Be it known that I, GEORGE R. WIGHT, of New York, in the county and State of New York, have invented a certain new and useful Improvement in Refrigerators, of which the following is a specification.

My improvement relates to refrigerating apparatus of the kind which is used in "back bars," in counters, and other like places, and in which the refrigerating apparatus may be pulled out from the chamber wherein it is placed, to facilitate filling it and to afford convenience for inserting articles in the chamber and removing them therefrom.

In the accompanying drawings, Figure 1 is a section of a back bar fitted with a refrigerating apparatus embodying my improvement, the section being taken transversely to the refrigerating apparatus; and Fig. 2 is a section thereof, taken parallel with the length of the refrigerating apparatus.

Similar letters of reference designate corresponding parts in both figures.

A designates a refrigerating-chamber in a back bar. It may be lined with zinc, galvanized iron, or other suitable material, and packed in any appropriate manner to resist the transmission of heat to its interior.

The refrigerating apparatus, as here shown, consists of a tank, B, a number of pipes, B', depending therefrom, and a drip-pan, B², arranged below the said pipes. The pipes B' are rigidly fastened to the tank B, and the drip-pan B² is fastened by rods or otherwise to the lower ends of the pipes. The tank and the pipes are filled with ice, ice and salt, or other refrigerating materials, and the water of condensation passes thence into the drip-pan. These parts form one structure, and may be moved together out of or into the chamber A. The tank B has at the upper edge a laterally-extending flange, to the under side of which is secured a frame consisting of side rails, a, and end rails surrounding the tank. The side rails, a, of this frame have rollers a² affixed to their under side and bearing on rails b, which are fastened in the chamber A. On the lower portion of the tank B are longitudinal rails c, and adjacent to these rails are rails d, which are fixed in the chamber A. These rails c slide upon the rails d, the two sets of rails being dovetailed together or otherwise con-

nected, so as to prevent the rails c from rising off the rails d. If desirable, rollers may be interposed between the rails to reduce their friction. On the drip-pan B² are rollers e, and bearing on rails f, affixed to the bottom of the chambers A within a stationary drip-pan, C. The drip-pan B² has an opening, g, near the rear end, and hence delivers its contents into the drip-pan C irrespective of the position which it occupies.

The whole structure of the refrigerating apparatus is not only capable of being moved into or out of the chamber A, but, owing to the combination of the rails c and d by dovetail tenons and grooves, it will be supported in any position into which it may be adjusted, and will be prevented from tilting or canting. As the drip-pan B² moves with the other parts, no drip will fall on the floor when the apparatus is drawn out.

The refrigerating apparatus may have a panel fastened to the front end for the purpose of covering the opening to the chamber A; but preferably a hinged door will be used to cover said opening. This cover, whatever its character, will be packed to resist the transmission of heat through it.

Obviously the portability of the refrigerating apparatus facilitates cleaning it and replenishing it with ice, as well as cleaning the chamber A and introducing articles into and removing them from it.

I do not wish to be restricted to embodying my improvement in a refrigerating apparatus consisting of a tank, B, and pipes B', as the pipes may be omitted and the tank made deeper, if desired.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a refrigerator, the combination, with a chamber, of a refrigerating apparatus for containing ice, provided at its upper and lower portions with guide-rollers, rails within the chamber, on which said rollers rest, whereby provision is afforded for drawing the refrigerating apparatus partly outside the chamber, and means within the chamber, independent of the guide-rollers and rails, for preventing the tilting or canting of the refrigerating apparatus when so drawn out, substantially as specified.

2. The combination, with the chamber A

and a refrigerating apparatus arranged therein, of the rollers a^2 upon the apparatus, the guide-rails b in said chamber, and the pairs of rails c d , attached to said refrigerating apparatus and chamber, and dovetailed or otherwise engaged with one another, so as to prevent the rails c rising away from the rails d , substantially as specified.

3. In a refrigerator, the combination, with a chamber, of an ice-tank, a number of pipes for containing ice, extending downward from said tank, and a drip-pan at the lower ends of said pipes, said tank, pipes, and pan being connected together so as to form one structure capable of being drawn partly outside of the

chamber, and yet being supported therefrom, substantially as specified.

4. The combination, with the chamber A, of the ice-tank B, pipes B', and the drip-pan B², provided with an outlet at its inner end, the said tank, pipes, and pan being connected together so as to form one structure which is capable of being drawn partly outside the chamber, and yet being supported therefrom, and the stationary drip-pan C in the bottom of said chamber, substantially as specified.

GEO. R. WIGHT.

Witnesses:

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