

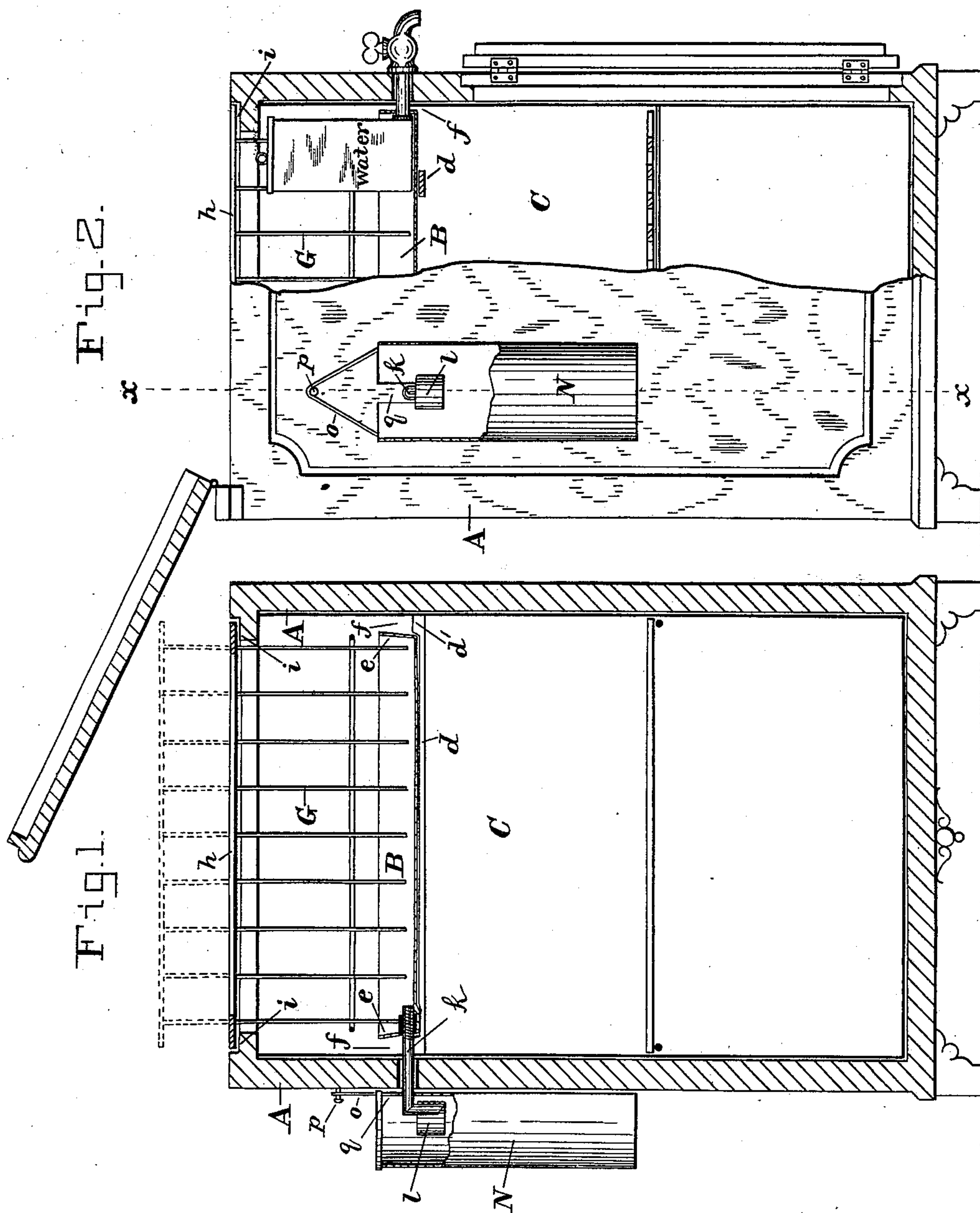
(No Model.)

W. H. WALTJEN & J. H. KELLER.

REFRIGERATOR.

No. 335,327.

Patented Feb. 2, 1886.



Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM H. WALTJEN AND JOHN H. KELLER, OF BALTIMORE, MARYLAND

REFRIGERATOR.

SPECIFICATION forming part of Letters Patent No. 335,327, dated February 2, 1886.

Application filed July 21, 1885. Serial No. 172,209. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM H. WALTJEN and JOHN H. KELLER, citizens of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Refrigerators, of which the following is a specification.

Our invention relates to improvements in refrigerators; and it consists of certain features of construction and combination of parts, hereinafter described and claimed.

In the drawings herewith, Figure 1 is a vertical section of the refrigerator on the line *x*, Fig. 2. Fig. 2 is a view as seen from a direction transverse to that shown in Fig. 1, and shows in part both a side and sectional view of the refrigerator.

The letter A designates the walls of the refrigerator. The ice-pan B is square, but of smaller size than the chamber C, which is inclosed by the walls. It is supported on cross-bars *d*, which have at each end a shoulder, *d'*, on the upper surface. The ice-pan sets on these bars, and the said shoulders prevent the walls *e* of the ice-pan from coming in contact with the walls A of the refrigerator. The size of the pan and this arrangement insures an air-space, *f*, all around between the ice-pan and refrigerator-walls, by which cold air from about the ice may freely pass down to the chamber below. A wire guard, G, is supported by its upper part at the top of the refrigerator, and its lower edge depends on the inside of the walls *e* of the ice-pan. The construction of this wire guard is such that it may be readily lifted out and removed. A rectangular frame, *h*, of galvanized iron bar rests in a rabbeted groove, *i*, at the top of the refrigerator-walls. The wires G, which constitute the "guard" proper, are attached to the iron frame and hang therefrom, and the lower ends of the wires have position within the ice-pan, as shown. By this combination and construction ice placed upon the pan B is guarded from contact with the refrigerator-walls A by the wire guard G, and thereby the air-space *f* around the ice-pan is kept open, thus prevent-

ing any obstruction to the downward passage of cold air, and drippings from the ice are prevented from going down the air-space, and are certain to be retained on the ice-pan, thus keeping the lower chamber, C, dry. A waste-pipe, *k*, leads from the ice-pan through the vertical wall A of the refrigerator, and on the outside has a trap-cup, *l*. A drip-water vessel, N, has a stiff wire loop, *o*, by which it is suspended from a pin or hook, *p*, on the outer vertical wall. The water-vessel N has a slot, *q*, in one side at the top to admit the waste-pipe *k*, and thereby the trap-cup *l* may occupy the top part of the vessel, and all the drip water which overflows the trap-cup will be caught in the vessel. By this construction and combination of parts the vessel for drip water has position where it may be conveniently inspected to ascertain when it is necessary to empty it, and it may be easily removed to empty the water. The perfect freedom with which the air from about the ice may pass down the air-space on all sides where the wire guard is, results in producing a greater degree of cold in the food-chamber C than is possible where the construction of the ice-pan and its surrounding wall confines the cold air.

Having described our invention, we claim and desire to secure by Letters Patent of the United States—

A refrigerator having in combination an ice-pan, B, supported on cross-bars *d*, with an air-space, *f*, all around between the walls of the ice-pan and the walls of the refrigerator, and a removable wire guard, G, supported by its upper part resting on the top of the refrigerator-walls and hanging therefrom with its lower part within the walls of the ice-pan, as set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

W. H. WALTJEN.
JOHN H. KELLER.

Witnesses:

JNO. T. MADDUX,
JOHN E. MORRIS.