

William G. Holden Jr.

102680

PATENTED MAY 3 1870

# Refrigerator.

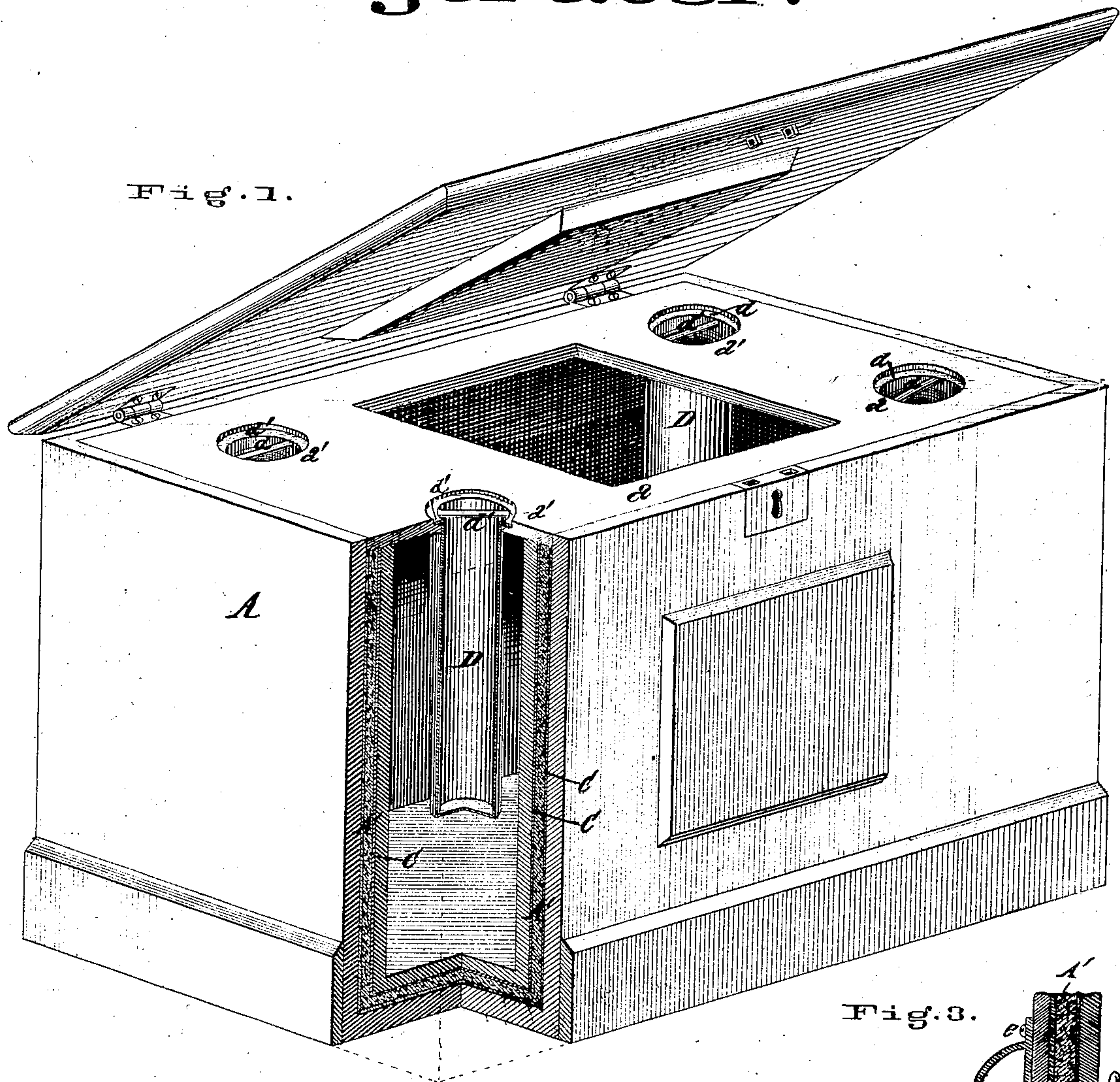


Fig. 2.

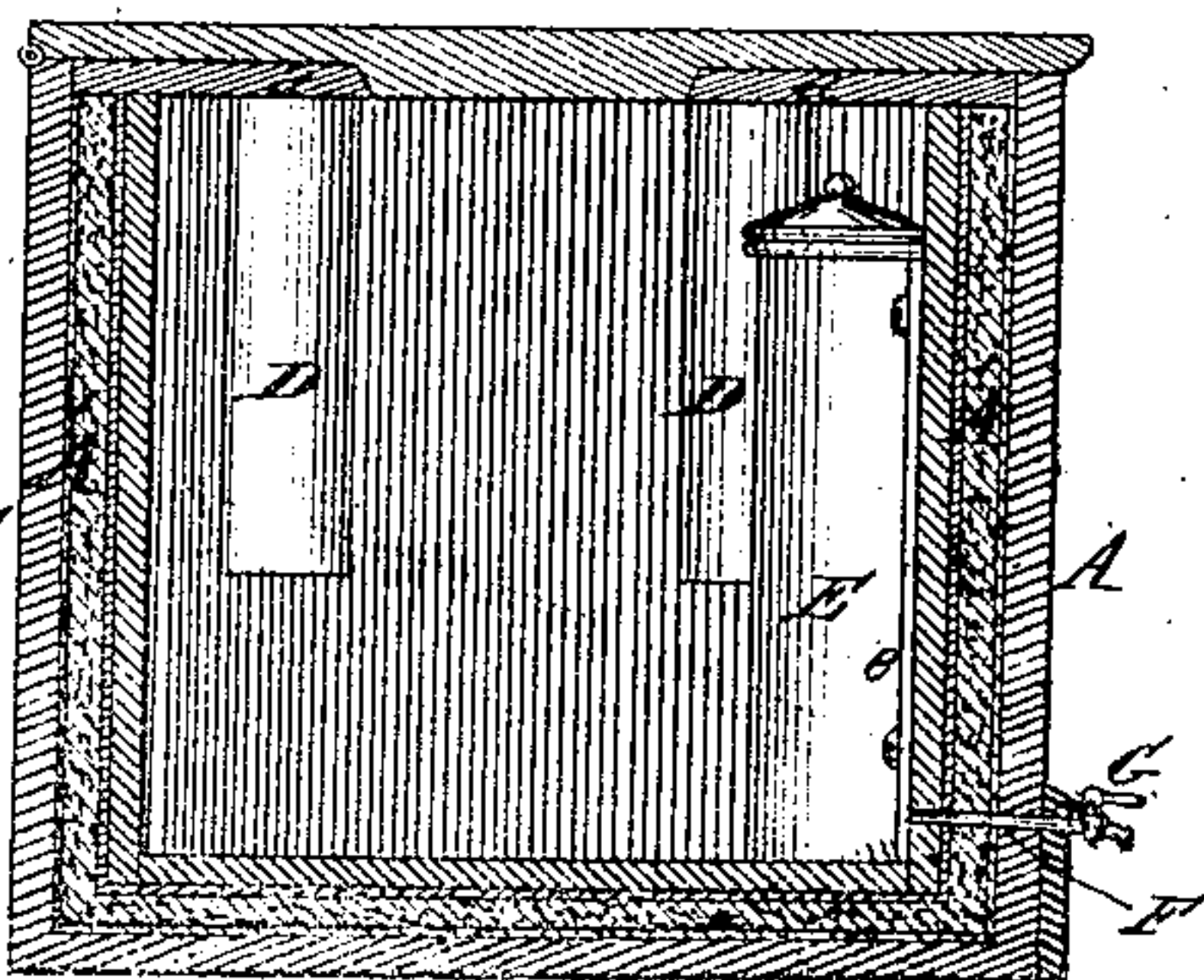
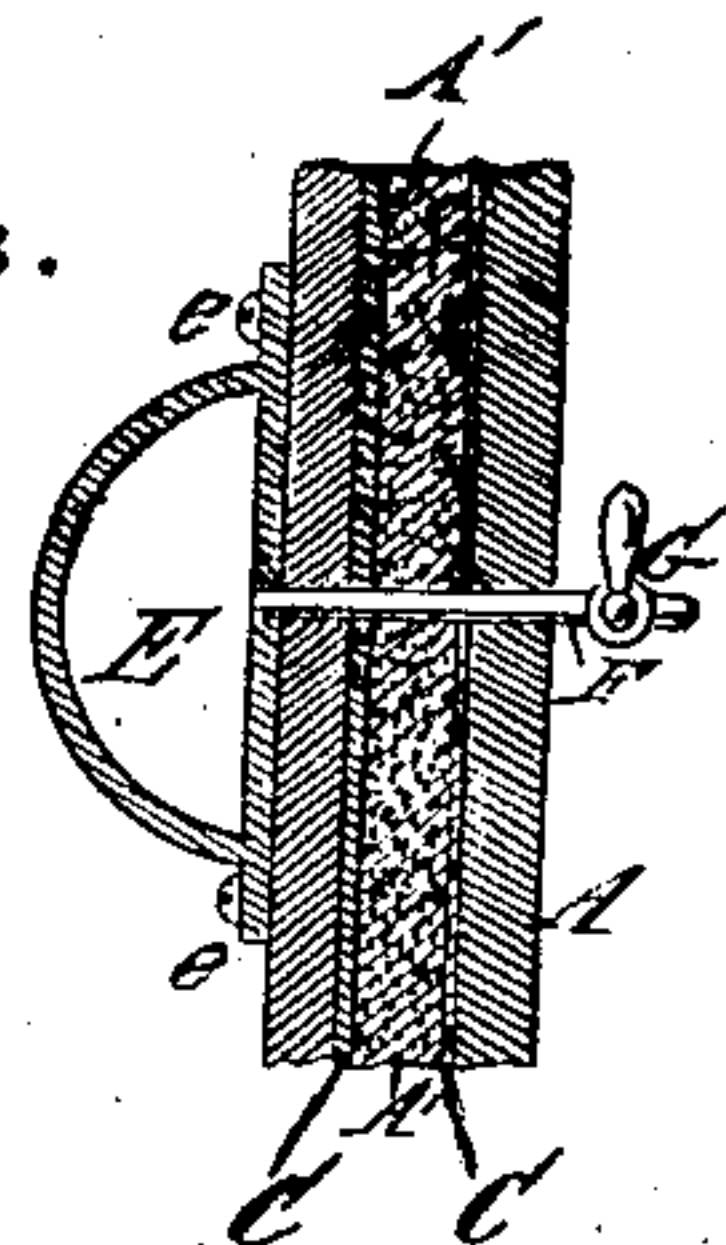


Fig. 3.



Attest.

Henry Millward  
Charles Pickles

Inventor.

Wm. G. Holden, Jr.  
By Frank Millward  
Attorney



# United States Patent Office.

WILLIAM G. HOLDEN, JR., OF COVINGTON, KENTUCKY.

Letters Patent No. 102,680, dated May 3, 1870; antedated February 2, 1870.

## IMPROVED REFRIGERATOR.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, WILLIAM G. HOLDEN, JR., of Covington, Kenton county, State of Kentucky, have invented certain new and useful Improvements in Refrigerators; and I hereby declare the following to be a sufficiently full, clear, and exact description thereof to enable one skilled in the art to which my invention appertains to make and use it, reference being had to the accompanying drawings making part of this specification.

The nature of my invention consists in the combination and arrangement of the parts of a refrigerator, as will be more fully described hereinafter.

In the accompanying drawings—

Figure 1 is a perspective view of a refrigerator embodying my invention, the view being partly in section, to exhibit the interior construction.

Figure 2 is a cross-section.

Figure 3 is a sectional plan through the water-cooler.

The case A, inclosing the refrigerator-chamber, is composed of double sides, ends, bottom, and top, or one box within another, the space A', inclosed between the boxes, being filled with "turner's chips."

In constructing the boxes, (before putting together and inserting the "filling,") the outer box is lined and the inner box coated with glue and water and layers of "bagging-paper," C.

When so constructed, put together, and filled in the space between the boxes, the case is impervious to moisture, and a good non-conductor of heat.

The inner cover *a* is constructed with the necessary

opening into the chamber, and also with apertures *a'*, for the insertion of the cans D, which project downward into the chamber, and are supported by the flanges, *d*, formed on the cans, which rest upon the cover *a*.

The pendent cans are also constructed with handles *d'*, by which the cans may be lifted out of the chamber, for change of ice, or otherwise.

The cans are filled with ice, or a mixture of ice and water, and the whole number may be used together, or any number less than the whole.

To give room in the chamber, the cans not in use may be entirely removed.

E is a water-cooler, constructed of semicircular form, and provided with a flange, *e*, by which the cooler may be attached to the box A inside. It is provided with a pipe, F, and cock G.

The semicircular form is designed to economize space, and provide a flat surface for connection with the case A.

I claim herein as new and of my invention—

The combination and arrangement of the case A, constructed as described, pendent portable cans D *d*, *d'*, and cooler E, provided with flange *e* and pipe F G, substantially as set forth.

In testimony of which invention I hereunto set my hand.

WILLIAM G. HOLDEN, JR.

Witnesses:

FRANK MILLWARD,  
WM. R. BARTLETT.