

No. 780,500.

PATENTED JAN. 24, 1905.

A. K. HEILMANN.
ICE BOX WATER ALARM.
APPLICATION FILED FEB. 26, 1904.

Fig. 1.

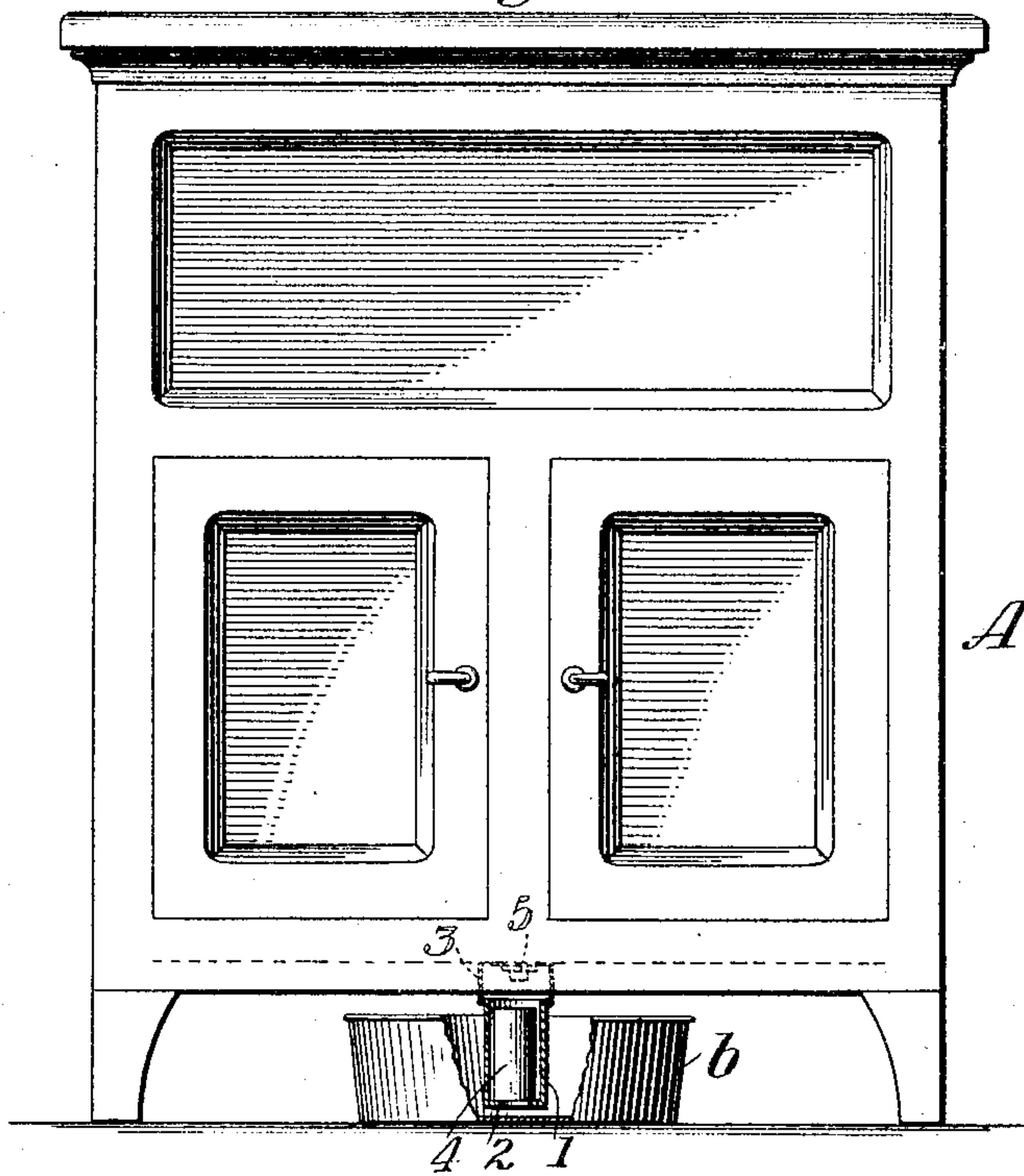


Fig. 2.

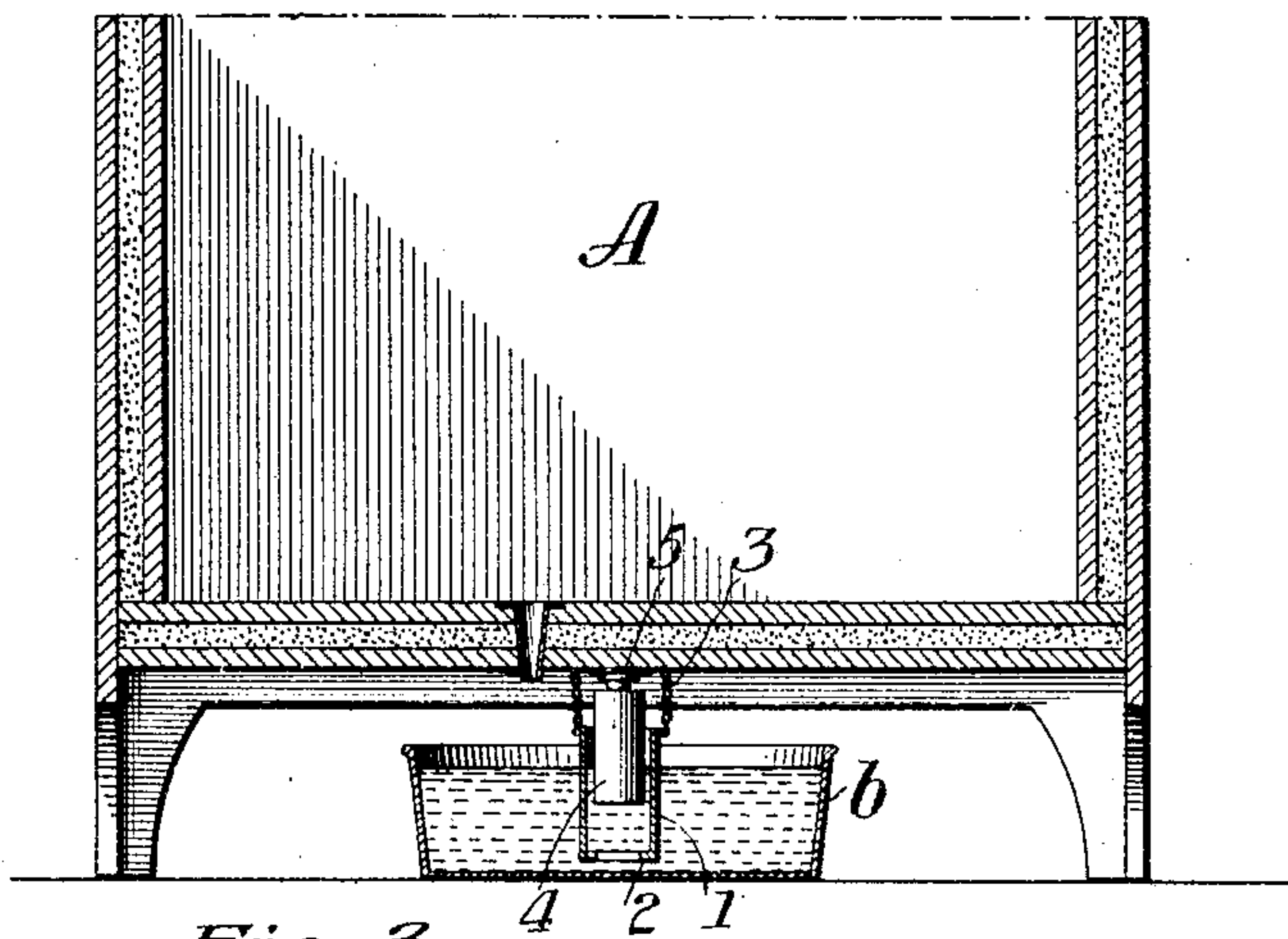


Fig. 3.

Witnesses:

Claud L. Graves
William A. Place

Fig. 4.

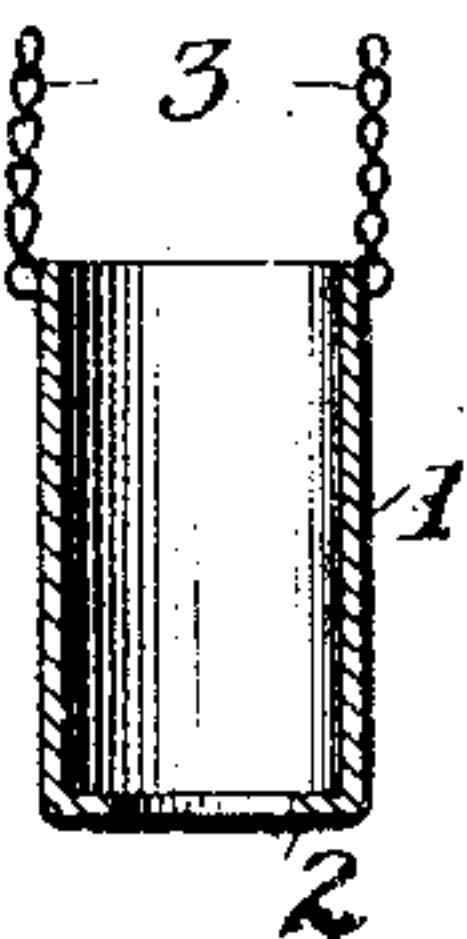


Fig. 5.

Inventor:

Alfred K. Heilmann



UNITED STATES PATENT OFFICE.

ALFRED K. HEILMANN, OF STAMFORD, CONNECTICUT.

ICE-BOX WATER-ALARM.

SPECIFICATION forming part of Letters Patent No. 780,500, dated January 24, 1905.

Application filed February 26, 1904. Serial No. 195,488.

To all whom it may concern:

Be it known that I, ALFRED K. HEILMANN, a citizen of the United States, residing at Stamford, in the county of Fairfield and State of Connecticut, have invented new and useful Improvements in Ice-Box Water-Alarms, of which the following is a specification.

My invention relates to an overflow-alarm for refrigerators; and it consists in certain novel features of construction hereinafter described and claimed.

In the accompanying drawings, Figure 1 is an elevation of a refrigerator provided with the invention. Fig. 2 is a vertical sectional view showing the position of the parts when the alarm is sounded. Figs. 3, 4, and 5 are details.

Referring specifically to the drawings, A denotes a refrigerator, and b the pan thereunder to catch the drippings. A cage 1 is flexibly supported on the refrigerator by chains 3 or in any other suitable manner. The chains are fastened on the bottom of the refrigerator, and the cage extends into the drip-pan, as shown. The cage is of sufficient weight to prevent displacement, and it serves as a guide for a float 4, which is placed therein and is adapted to operate an electric contact device 5. The cage is open on the bottom, as at 2, to permit entry of the water, and its top is also open to permit insertion of the float and its free movement.

The contact device may be a push-button, as shown, which when pressed inwardly by the float closes an electric circuit and sounds a bell or other suitable alarm device included in the circuit.

The operation of the invention is obvious. The rise of the water in the drip-pan elevates the float, and the latter on pressing the push-button closes the circuit, whereby the alarm is sounded. It is to be understood, of course, that the parts will be so arranged that the alarm will be sounded when the water reaches a predetermined level in the pan.

The construction described enables the drip-pan to be readily removed and replaced without disturbing the bell, wires, or other parts of the signal device.

The invention is extremely simple and is not liable to get out of order and is thoroughly reliable in operation.

Minor changes in the arrangements of the parts described can be made without departing from the scope of the invention, and I do not wish to limit myself to the precise arrangement shown except as indicated in the claim.

Having thus described my invention, what is claimed as new, and desired to be secured by Letters Patent, is—

The combination with a refrigerator and a drip-pan thereunder, of an electric-signal contact device on the refrigerator, a float-guide flexibly supported on the refrigerator and extending into the pan, and a float in the guide under the contact device and arranged to operate the same.

In testimony whereof I have hereunto subscribed my name.

ALFRED K. HEILMANN.

Witnesses:

HENRY LINHART,
SELMA LINHART.