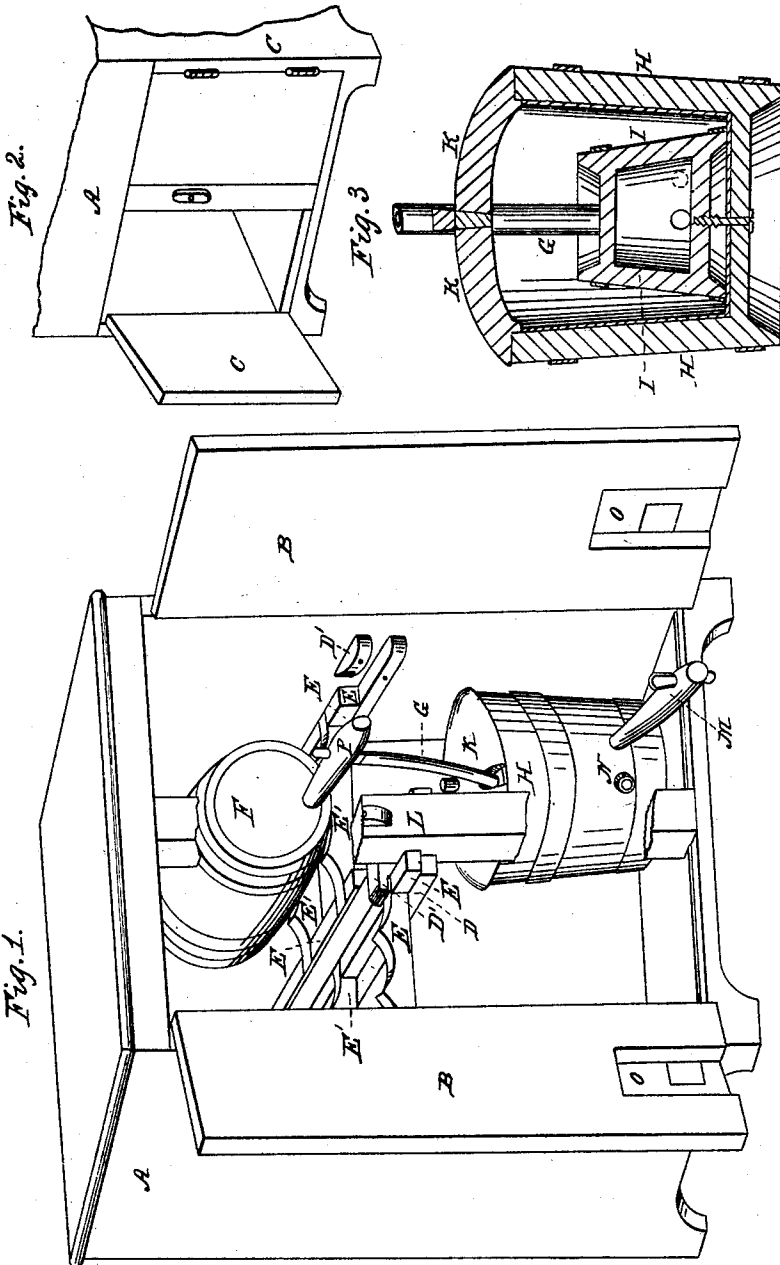


R. W. McCLELLAND.
Refrigerator for Liquids.

No. 57,746.

Patented Sept. 4, 1866.



Witnesses:
C. F. Clapp
J. O. Connelly

Inventor:
R. W. McClelland
Per J. H. Holloway & Co. attys

UNITED STATES PATENT OFFICE

ROBERT W. McCLELLAND, OF SPRINGFIELD, ILLINOIS.

IMPROVED REFRIGERATOR FOR LIQUIDS.

Specification forming part of Letters Patent No. 57,746, dated September 4, 1866.

To all whom it may concern:

Be it known that I, ROBERT W. McCLELLAND, of Springfield, in the county of Sangamon and State of Illinois, have invented a new and useful Improvement in Refrigerators for Cooling Malt Liquors; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, made part of this specification, in which—

Figure 1 is a perspective view, showing the interior arrangement. Fig. 2 is a view of part of the back of the refrigerator; and Fig. 3 is a vertical section of the cooler.

In the several figures the same letters indicate identical parts.

A is the body of the refrigerator, which is a wooden case having two large doors in front, B B, and in the rear a compartment of about one-half the height of the chest, under the ways hereinafter described, closed by the doors C C.

About midway in the height of the front and principal compartment ways D D are arranged, attached to the sides of the chest and to the middle post, L, and extending the entire depth of the chest; and above the ways cleats D' D' are attached, leaving between them and the ways sufficient space for the slides E E to play forward and back upon the ways. The slides are framed with cross-pieces E', shaped to receive a barrel, and are made of about two-thirds the length of the ways. I also slightly incline the ways from front to rear. These proportions may be varied at will. In the drawings I show a chest arranged for two barrels. They may be larger or smaller, as desired.

In the chamber below the ways, under each barrel, I place a tub, H, fitted with a cover, K, and containing a close receiver, I, made tight at all parts.

In the bottom of the doors B B, I cut a rect-

angular opening, covered by the doors O O, which swing upon a pivot above, and I cut a notch in the sides of these doors O, through which passes a long faucet, M, passing through the tub H into the receiver I.

A flexible tube, G, leads from the receiver I, through the cover of the tub K, to the spigot P of the barrel F, resting upon the slide.

The tub H being filled with ice, surrounding the receiver I, the ale or other liquid passing from the barrel fills the receiver, where it is cooled thoroughly before being drawn through the faucet M. As it is only necessary to cool the portion of the malt liquor in the comparatively small receiver, a great economy of ice is gained over the system in use—of cooling equally the entire barrel.

The flexible tube, being adjustably united to the spigot P, may be removed, when a barrel is to be charged, without disturbing the liquor in the receiver. A tube, N, leading from the tub H, enables the water accumulating in the tub to be drawn off.

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

A refrigerator for cooling ale, beer, and other liquids, arranged so that the casks may be supported upon slides E, resting upon the ways D in the upper part of the chest A, and the liquids be conducted by a flexible pipe, G, into a receiver, I, inclosed in the cooling-tube H, and then drawn for use through a faucet, M, passing through the small doors O, said several parts being constructed and arranged substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ROBERT W. McCLELLAND.

Witnesses:

HENRY W. REDECKER,
C. GROESBECK.