

(No Model.)

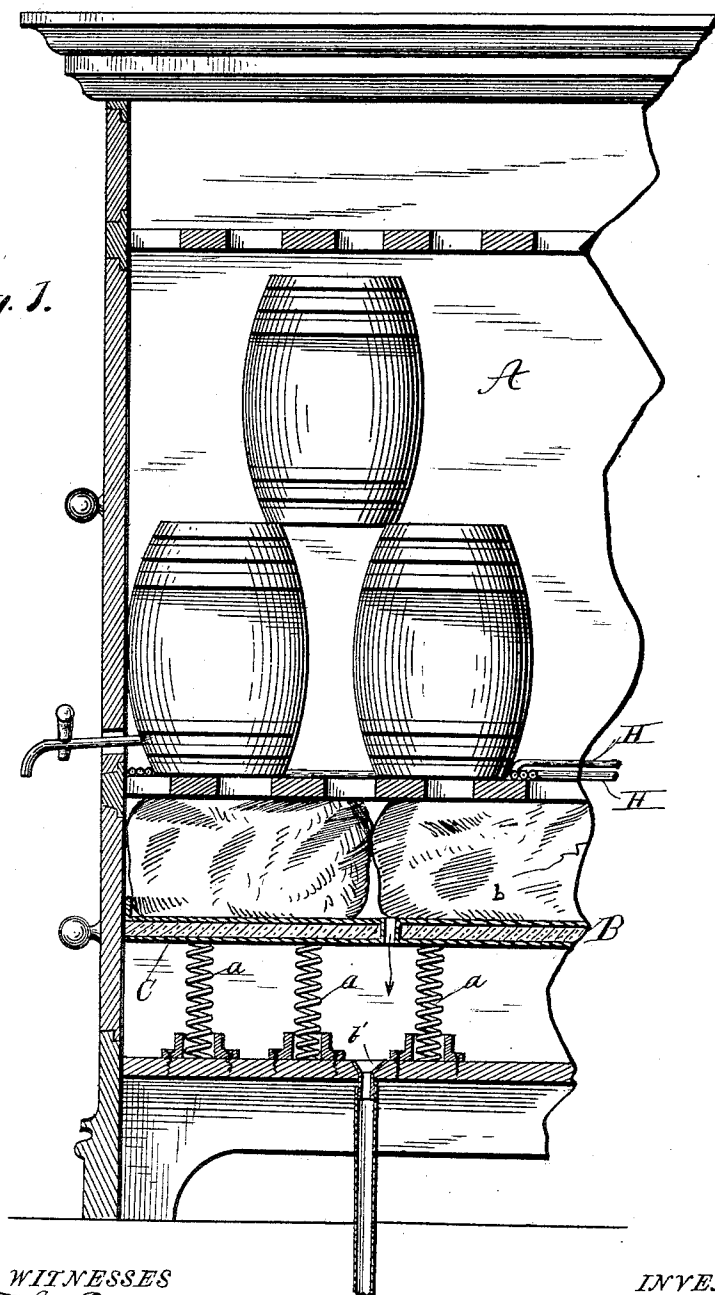
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B. B. KINN.
BEER COOLER.

No. 445,115.

Patented Jan. 20, 1891.

Fig. 1.



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(No Model.)

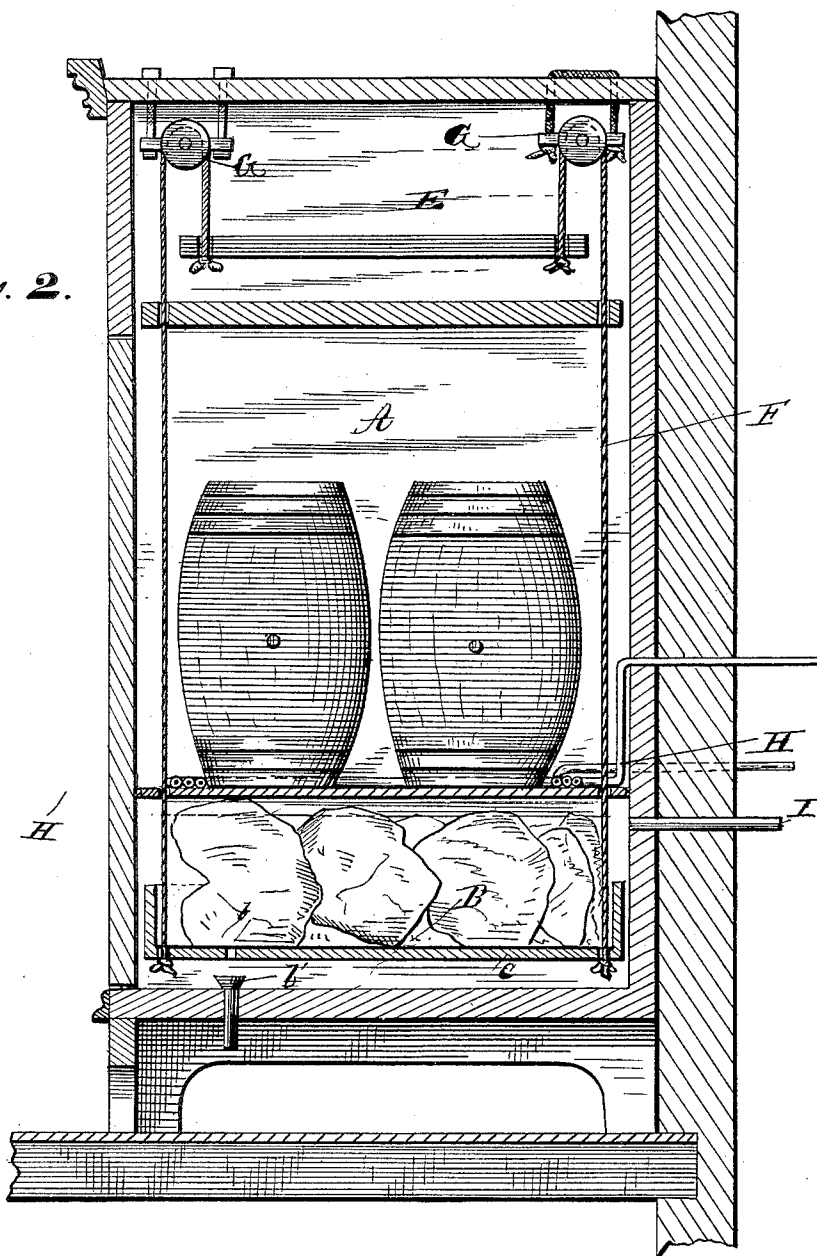
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BEER COOLER.

No. 445,115.

Patented Jan. 20, 1891.

Fig. 2.



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UNITED STATES PATENT OFFICE.

BARTIS B. KINN, OF DUNKIRK, NEW YORK.

BEER-COOLER.

SPECIFICATION forming part of Letters Patent No. 445,115, dated January 20, 1891.

Application filed March 13, 1890. Serial No. 343,793. (No model.)

To all whom it may concern:

Be it known that I, BARTIS B. KINN, a citizen of the United States, residing at Dunkirk, in the county of Chautauqua and State of New York, have invented new and useful Improvements in Beer-Coolers; and I do hereby declare the following to be a full, clear, and exact description of said invention, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in refrigerators and beer-coolers, and more particularly to that portion containing the ice.

The object of my invention is to provide a beer cooler or refrigerator with an ice-supporting platform beneath the storage-compartment adapted to keep the ice, however small in quantity or as it decreases in bulk, up against the beer at the point where it is drafted, and also to provide means whereby the refrigerator can be used during cold weather indoors without the use of ice, thereby producing a beer cooler or refrigerator particularly adapted for use in saloons and restaurants.

My invention consists in mounting within the ice-chest of the cooler, which is located in the bottom of said cooler, a platform, which will hold the ice always against the shelf supporting the beer and other articles, imparting to the lower portion of the beer in the kegs the greatest cooling, the beer being drawn off always at this point. To attain this object I also can substitute instead of the springs ropes connected with the platform and running over pulleys, the ends of the ropes being secured to a weight.

My invention further consists in providing the supporting-floor with a coil of pipe, with one end of the pipe communicating with the air out of doors, in order that the refrigerator may be kept in a warm room in winter without the use of ice.

My invention consists in certain details in the construction and arrangement of parts, all as hereinafter described.

Referring to the drawings, Figure 1 is a sectional view of the refrigerator in side elevation.

Fig. 2 is a similar view showing the platform operated by weights and pulleys and the coil of pipe for use in cold weather.

A indicates the main compartment of the beer cooler or refrigerator, which is for the reception of the beer, while directly below is the ice-chest B, the supporting-floor of the compartment A being made in strips, so as to form open spaces between the same for the admission of the cold air to said compartment.

The ice-chest B is provided with the platform C, on which the ice rests, having secured to its under side the spiral springs *a*, which fit in suitable sockets attached by screws to the bottom of the ice-chest or to the floor of the refrigerator.

When the ice is put in on the platform C, the said platform is forced down and held so until filled with the ice, and if the ice be insufficient to fill the chest the springs *a* will act upon the platform and hold the ice up against the supporting-shelf above.

Both platforms C and the floor of the ice-chest are provided with tubes *b* and *b'*, respectively, the tube *b* running through the platform, on which the ice rests to conduct the water as the ice melts from the platform to the floor of the ice-chest, and from thence it runs through the funnel-shaped tube *b'*, which has a pipe connecting therewith, either into some receptacle placed under the refrigerator for its reception or down through onto the ground, as may be desired.

In Fig. 2 I have shown the equivalent of my device for keeping the ice against the floor of the compartment A by the substitution of the weight E, attached to the ropes F, which ropes work on the pulleys G, and I have also shown a coil of pipe H on the floor above the ice-chest with both ends of the pipe communicating with the outer air, or another pipe I may be used in addition to bring cold air within the cooler in cold weather when ice is not used.

Having now described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a beer-cooler, the ice-chest located below the storage-compartment, the said ice-

chest having mounted therein a platform actuated by a series of springs, whereby the ice is forced up against the kegs and that portion of the beer which is drawn off at this point kept at a very low temperature, as set forth.

2. A beer cooler or refrigerator having the supporting-shelves provided with coils of pipe the ends of which communicate with the

outer air, substantially as and for the purpose set forth.

In testimony whereof I affix my signature in the presence of two subscribing witnesses.

BABTIS B. KINN.

Witnesses:

J. C. BRECHT,
W. E. CANDEE.