C. REIF.

Beer-Coolers.

No. 150,082. Patented April 21, 1874.

Fig. 1

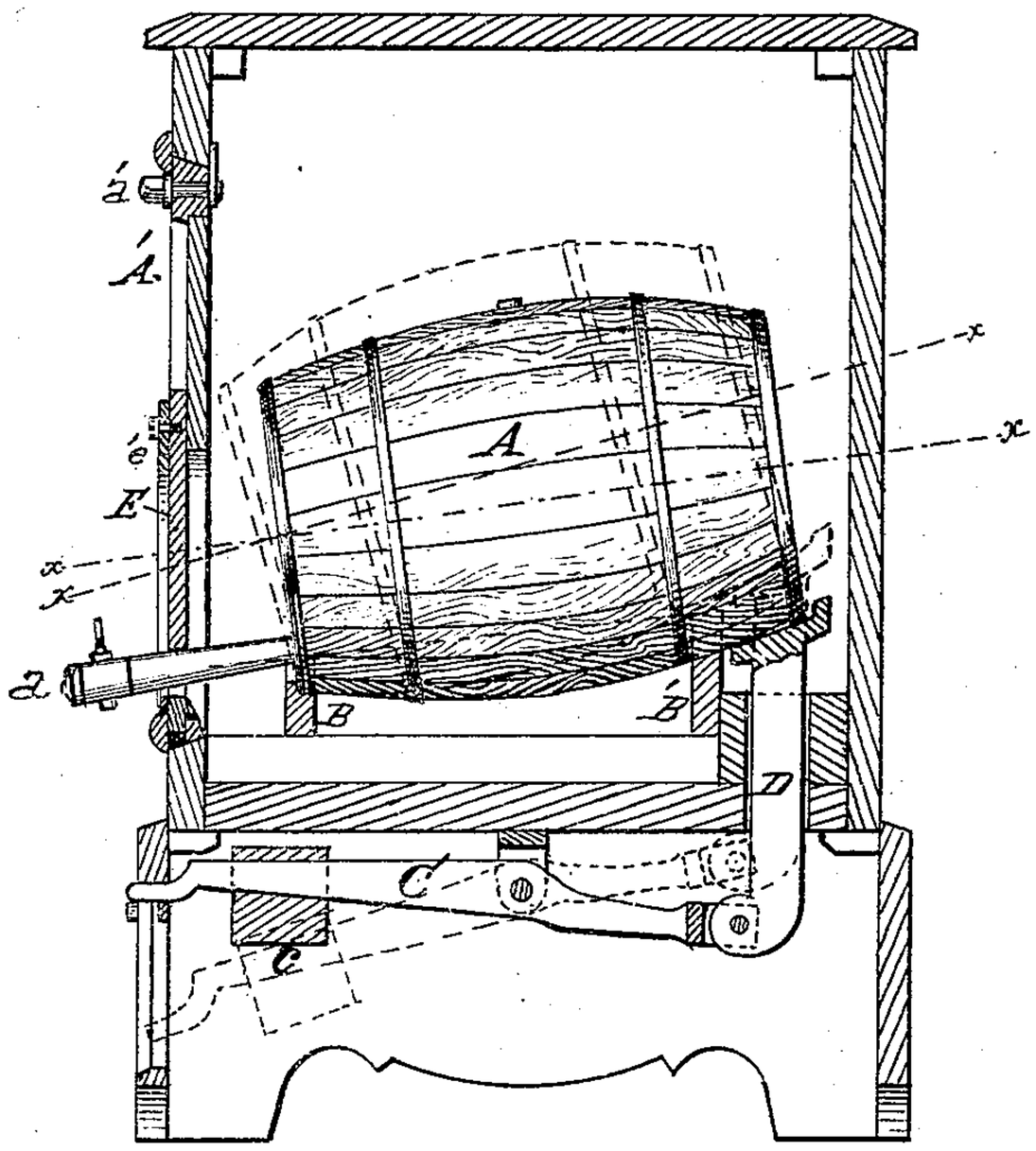
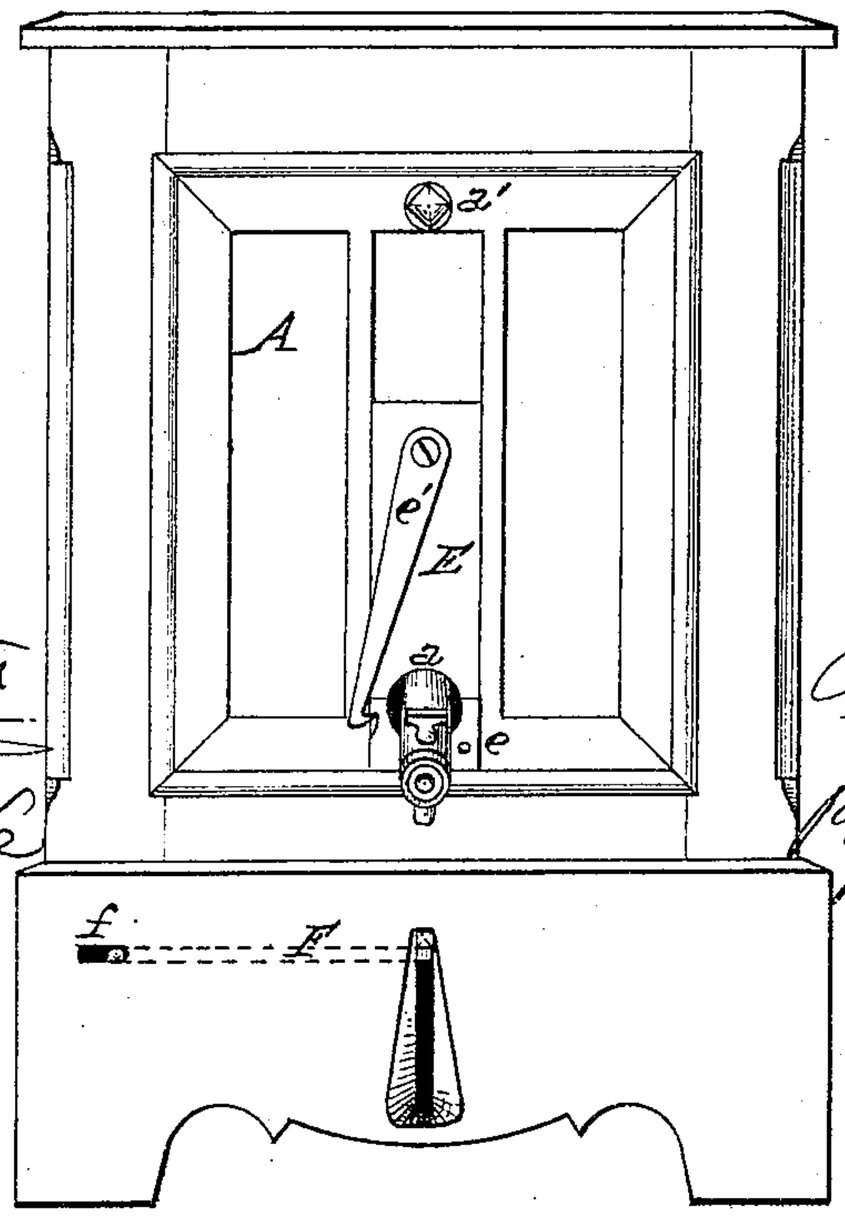


Fig. 2



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UNITED STATES PATENT OFFICE.

CHRIST. REIF, OF CINCINNATI, OHIO, ASSIGNOR TO HIMSELF AND HENRY M. FERNEDING.

IMPROVEMENT IN BEER-COOLERS.

Specification forming part of Letters Patent No. **150,082**, dated April 21, 1874; application filed February 16, 1874.

To all whom it may concern:

Be it known that I, CHRIST. REIF, of Cincinnati, Hamilton county, State of Ohio, have invented a certain new and useful Improvement in Beer Coolers and Stands, of which the following is a specification:

My invention has for its object the tipping automatically of the keg in the cooler as the beer is gradually drawn off, for the purpose of enabling it to assume such position when nearly empty as to permit complete drawing off; and my invention consists, first, in combination with the necessary skids in the cooler or stand for the keg to rest upon, of a weighted lever and lifting-saddle to raise the rear end of the keg up gradually as this end gradually loses its weight. My invention also consists, in connection with this tipping device, of a sliding perforated door, composed of two sections connected by a catch, for the front part of the cooler, through which perforation the faucet of the keg projects, the sliding function of the door serving to permit the rise and fall of the faucet, and to retain at the same time a practically close joint for the prevention of the leakage of the cold air of the cooler through this aperture.

Figure 1 is a vertical section through a beer-cooler embodying my invention. Fig. 2 is a front elevation of the same.

A represents a keg or barrel of beer to be drawn off by the usual faucet *a*. It may be inclosed within a cooler, as shown, having the customary provision for ice, or it may simply rest on the skids B B′ of a stand or bench. When first placed in the cooler or stand its weight is supported by both skids B B′; but in the process of tipping, the weight is taken off the rear skid B′ as follows: A lever, C, is pivoted below the cooler or stand, which, at one end, has a weight, *c*, to balance the weight of the rear end of the keg, and at the other end has jointed to it a slide, D, having a saddle or skid on top, upon which the rear end of the keg snugly rests. As the keg or barrel becomes less heavy at the rear end, (by reason of the discharge at the rear being proportionately heavier than at the front until after the axial line has been reached or passed) the weight (which has less power over the weight of the keg as it descends) raises the rear end of the keg, so as to enable the contents of the keg or barrel to completely pass off at the faucet.

As in this operation the faucet has a curvilinear motion, I provide a door or slide, E *e*, for it to pass through, which, by sliding in suitable ways in the front of the cooler, will follow the faucet in its movement vertically.

This door is made in two parts, E *e*, and the hole through it may be so small as to snugly fit the faucet, the provision of the sliding door permitting the use of a small aperture, and avoiding a large aperture, through which the cold air of the cooler would rapidly escape. The provision of the two parts to the door enables the passage through the hole of the key of the faucet. The upper part of the door has a swinging latch, *e′*, which engages a notch in the lower part, as shown in Fig. 2, and thus holds the two parts together, so that they move as one door. The cooler has a detachable front, A′, secured by catch *a′*, which permits the entrance and withdrawal of the keg, and it is this front in which the slide E *e e′* is located. A sliding bolt, F, is used to support the weighted end of the lever, during such time only as is required to put the keg or barrel in place on the skids B B′ and slide D, as shown in Fig. 2. It is released by the pressure of the fingers on the end of the bolt which projects through the slot *f*.

I do not claim a slide in the front or door of a refrigerator to fit over the upper portion of the faucet.

I claim—

1. In a beer cooler or stand, the combination of weighted lever C *c* and elevating-skid D, constructed and operating substantially in the manner and for the purpose specified.

2. In combination with the tipping device C *c* D for the keg, the sliding perforated door E *e* and catch *e′*, substantially as and for the purpose specified.

In testimony of which invention I hereunto set my hand.

CHRIST. REIF.

Witnesses:
THOS. HUNTER,
J. L. WARTMANN.