Hugo Sell's Impd Beer-Cooler.

112742

Fig 1.

PATENTED MAR 14 1871

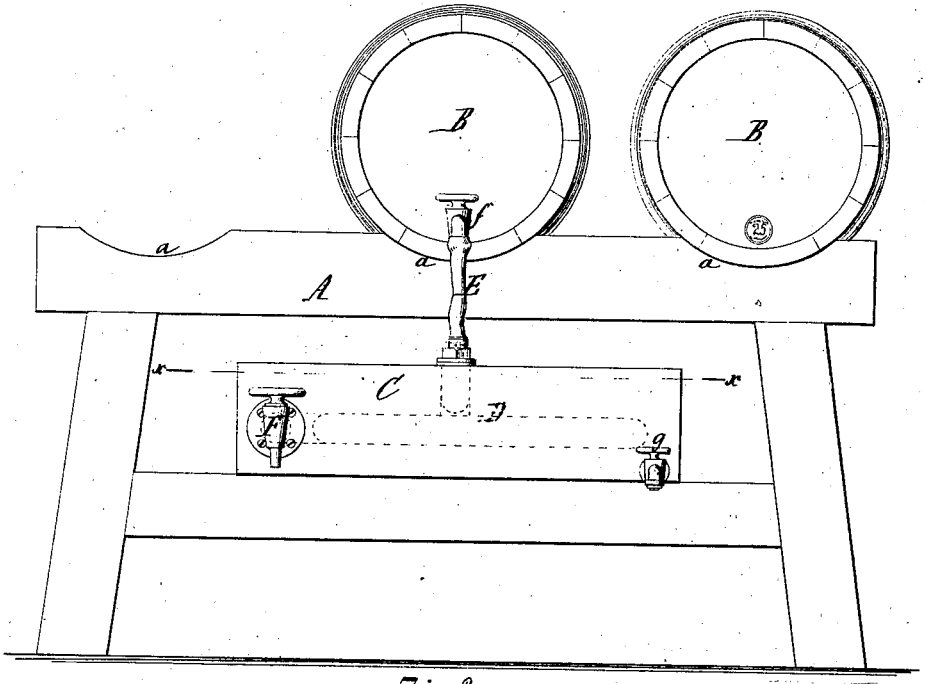
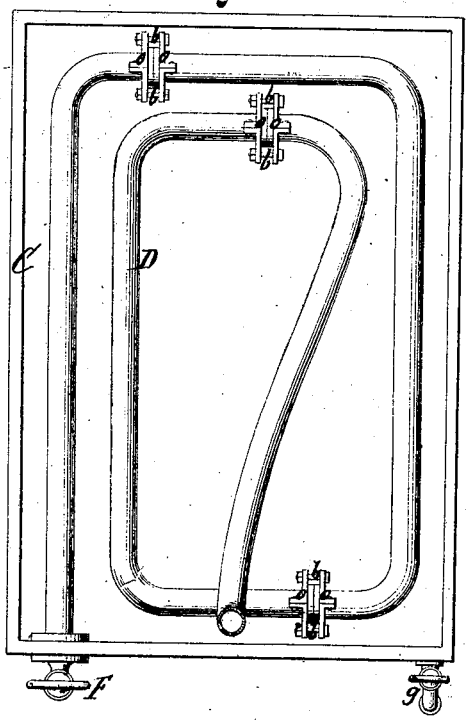


Fig 2.



Witnesses.
E. F. Kastenhuber
C. Wahlers

Inventor.
Hugo Sell
pr.
Van Santvoord & Hauff
Attys

United States Patent Office.

HUGO SELL, OF NEW YORK, N. Y.

Letters Patent No. 112,742, dated March 14, 1871.

IMPROVEMENT IN BEER-COOLERS FOR BEER ON DRAUGHT.

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, HUGO SELL, of the city, county, and State of New York, have invented a new and Improved Beer-Cooler; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 represents a front view of this invention.

Figure 2 is a horizontal-section of the same, the line *x x*, fig. 1, indicating the plane of section.

Similar letters indicate corresponding parts.

This invention consists in the arrangement of a serpentine pipe situated in a tank filled with ice, said pipe being provided with a stop-cock, connected by means of a flexible tube with the discharge-opening of a barrel or other vessel containing beer, in such a manner that, by opening the stop-cock at the end of the serpentine pipe, the beer is allowed to discharge from the barrel, and, as the discharge takes place, the beer is compelled to pass through the serpentine pipe, where its temperature is lowered to the desired degree, while at the same time the quantity of ice required to produce this effect is much less than that needed to produce the same effect if the ice is placed directly on the barrel, or if the barrel is inclosed in a refrigerator.

In the drawing—

The letter A designates a frame provided with a series of cavities *a* to receive the barrels B, which are placed loosely thereon in the ordinary manner.

In the bottom part of this frame is secured a vat C, in which is situated a serpentine pipe D, one end of which is bent up and connects, by means of a flexible pipe E, with the tap-hole of one of the barrels, while its other end extends through the front side of the vat and is closed by a stop-cock, F.

The serpentine pipe D is, by preference, made of clay, or other material which will not be affected by the beer passing through it, and the vat C is filled with ice, which is intended to surround the pipe D on all sides, so that the beer contained in or passing through said pipe will be rapidly cooled.

In practice, the pipe D is made in sections, which are connected by flanges *o* and bolts *b*, or by any other suitable means.

The flexible pipe E may be simply stretched over the end of the serpentine pipe, or it may be secured thereto by a nut, or otherwise; and said flexible pipe is also stretched over the discharging end of the tap *f*, which is inserted in the tap-hole of the barrel; or the connection between the flexible pipe and the tap-hole may be made in any desirable manner, so that said pipe can be readily taken off from one barrel and applied to another.

When the tap *f* is opened, the beer passes down into the serpentine-pipe D, where its temperature is rapidly lowered to the desired degree; and if this pipe is made sufficiently large and long, a large number of glasses can be drawn, while the beer passing from the barrel down into said pipe becomes cool before it reaches the discharge-spout of the cock F.

The water accumulating in the vat C from the melting of the ice is drawn off by a faucet, *g*.

By these means the operation of cooling down the beer to the requisite degree is rendered simple and economical, and if a fresh barrel is tapped the beer discharging from the stop-cock F is at once cooled down without loss of time.

What I claim as new, and desire to secure by Letters Patent, is—

The combination of a vat, C, containing a serpentine pipe, D, with a frame, A, capable of supporting one or more barrels B, substantially in the manner herein shown and described.

This specification signed by me this 28th day of January, 1871.

HUGO SELL.

Witnesses:
W. HAUFF,
E. F. KASTENHUBER.