V. COOK.

Beer-Cooler.

No. 211,704. Patented Jan. 28, 1879.

Fig. 1.

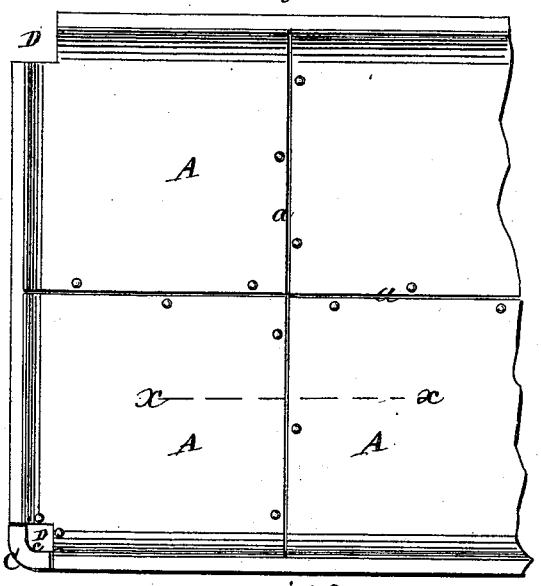


Fig. 2.

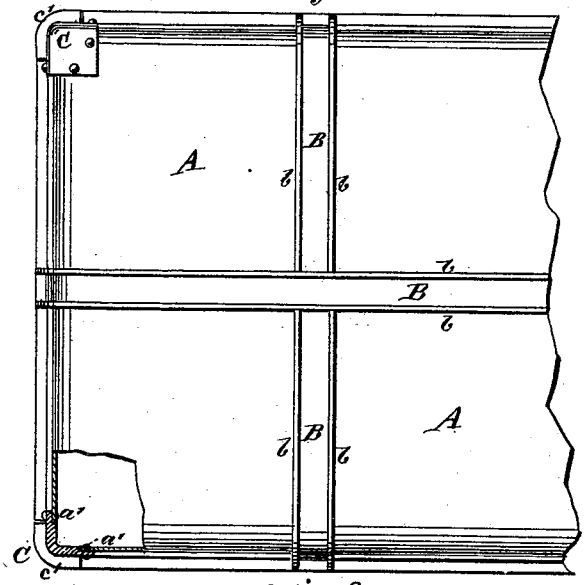


Fig. 3.

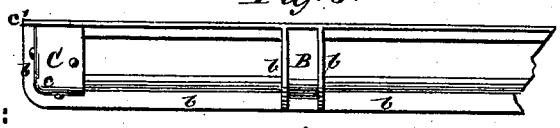
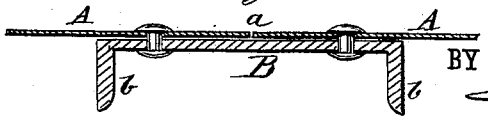


Fig. 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

VALENTIN COOK, OF NEW YORK, N. Y.

IMPROVEMENT IN BEER-COOLERS.

Specification forming part of Letters Patent No. **211,704**, dated January 28, 1879; application filed July 16, 1878.

To all whom it may concern:

Be it known that I, VALENTIN COOK, of the city, county, and State of New York, have invented a new and Improved Beer-Cooler, of which the following is a specification:

The object of my invention is to strengthen and improve the construction of the large shallow pans used as receptacles to facilitate the cooling of beer.

The invention consists in the combination, with plates A, cut out as hereinafter set forth, of a concave rabbeted corner-piece, provided with a horizontal flange continuous with the top flange that surrounds the upper edge of collar, all as hereinafter described.

In the accompanying drawings, Figure 1 represents a top view of a portion of a beer-cooling pan constructed according to my invention. Fig. 2 is a plan view of the under side of the same, partly broken out. Fig. 3 is a side view of the same. Fig. 4 is a detail section through the line *x x* of Fig. 1.

Similar letters of reference indicate corresponding parts.

The cooling-pan is made of sheets of metal A, joined together at their edges *a* by being riveted to a supporting iron bar, B. Owing to the great width of these cooling-pans, and consequent necessary length of the bars B, the latter must be made very strong and rigid to resist bending. To accomplish this without materially increasing their weight and expense, the bars B are provided all along each of their side edges with a vertical flange, *b*, formed in one piece with the bar; and the rivets along the points of the plates A are inserted and secured through holes in the flat horizontal portion or body of the bar B between the two vertical edge flanges *b*, as shown in Fig. 4.

The corners of those of the metal plates A which form the corner-plates of the cooler are cut out at a right angle, as shown at D, in the very corner of the pan, to allow of their edges being bent up to form the continuation of the sides or walls of the pan, which are connected at each corner by a curved or angular cast-iron piece, C, concaved at *c*, to form the bottom corner and the part of the bottom left open by the cut D, the piece C thus forming the three sides of a solid angle. The edges of the casting C are rabbeted on its inner side to make that flush with the inside of the corner plates A, the edges of which are riveted to the casting C in the said rabbet, as shown in Fig. 2. The upper edge of the casting C is provided with a horizontal flange, *c'*, continuous with the top flange, which surrounds the upper edge of the cooler.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination, with plates A, cut out at D, of the concave rabbeted corner-piece C, provided with a horizontal flange, *c'*, continuous with the top flange that surrounds the upper edge of cooler, as and for the purpose specified.

VALENTIN COOK.

Witnesses:

JOHN B. RADLEY,

CHARLES CURRY.