

B. C. BORT & T. BRYANT.

Improvement in Milk-Coolers.

No. 132,795.

Patented Nov. 5, 1872.

Fig. 1.

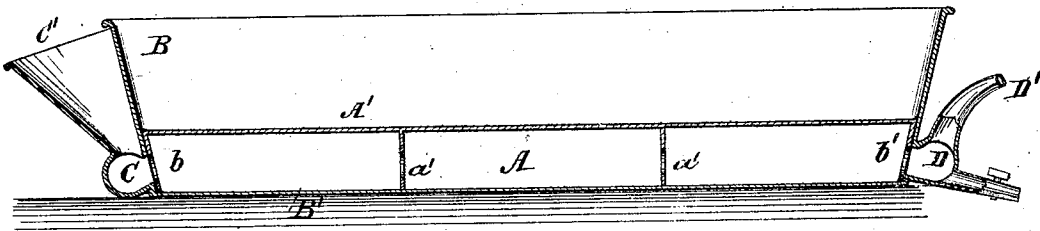
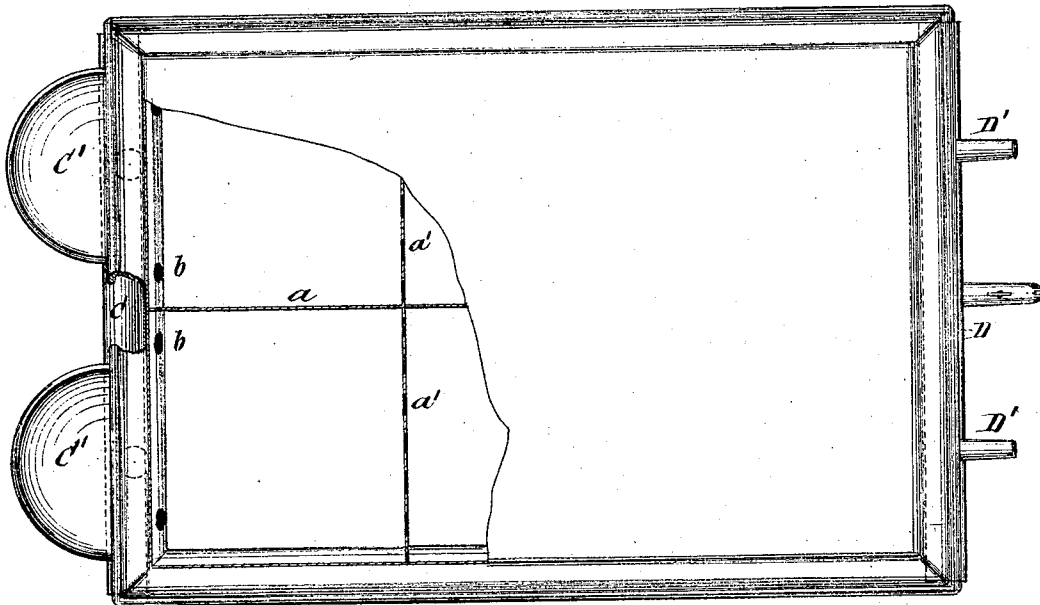


Fig. 2.



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UNITED STATES PATENT OFFICE.

BRUCE C. BORT AND TIMOTHY BRYANT, OF CHATEAUGAY, NEW YORK.

IMPROVEMENT IN MILK-COOLERS.

Specification forming part of Letters Patent No. 132,795, dated November 5, 1872.

To all whom it may concern:

Be it known that we, BRUCE C. BORT and TIMOTHY BRYANT, of Chateaugay, in the county of Franklin and State of New York, have invented an Improved Milk-Cooler, of which the following is a specification:

The invention consists in improving our cooler patented June 18, 1872, by dispensing with the bottom of cooler, by which a large percentage of metal is saved, and the milk brought more directly into contact with the cooling-surfaces, and arranging the cooler within the milk-pan.

In the drawing, Figure 1 is a longitudinal section, and Fig. 2 is a top view partly broken out.

A represents a cooler provided with longitudinal and transverse partitions *a a'*. This cooler has a top, *A'*, but is constructed without any bottom. B is a milk-pan provided with bottom *B'* and made in the usual manner, except that it has on each opposite end a series of apertures, *b b'*, and a chamber, C or D, provided respectively with funnel *C' C'* and pipes *D' D'*.

The bottomless cooler A is inserted with the top *A'* uppermost within a milk-pan, B, and may be either soldered thereto on the sides or removably attached by the use of intermediate detachable packing. The water is carried through funnels *C' C'* into chamber C, from whence it is equably distributed into the cooler A through the series of apertures *b*, while it is carried out uniformly through the series of apertures *b'* into chamber D and through discharge-pipes.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The bottomless cooler A applied, in combination with a milk-pan, as and for the purpose described.

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