

J. PEARL.
Milk-Coolers.

No. 143,840.

Patented Oct. 21, 1873.

Fig. 1.

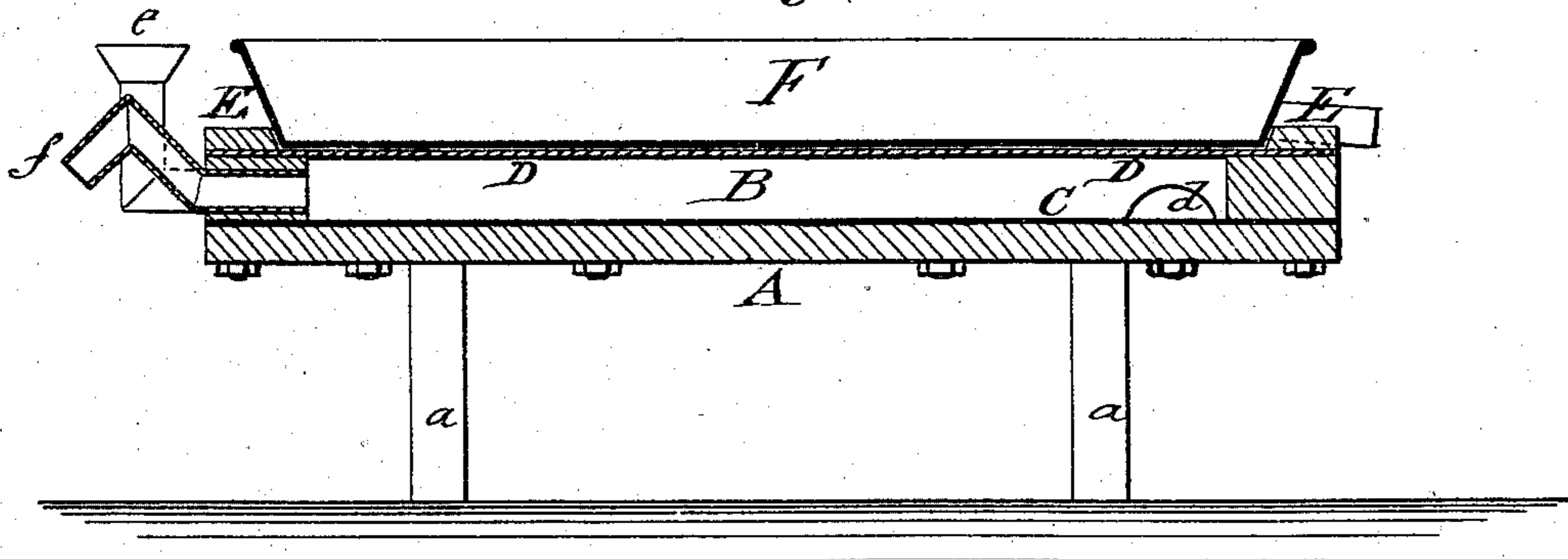


Fig. 2.

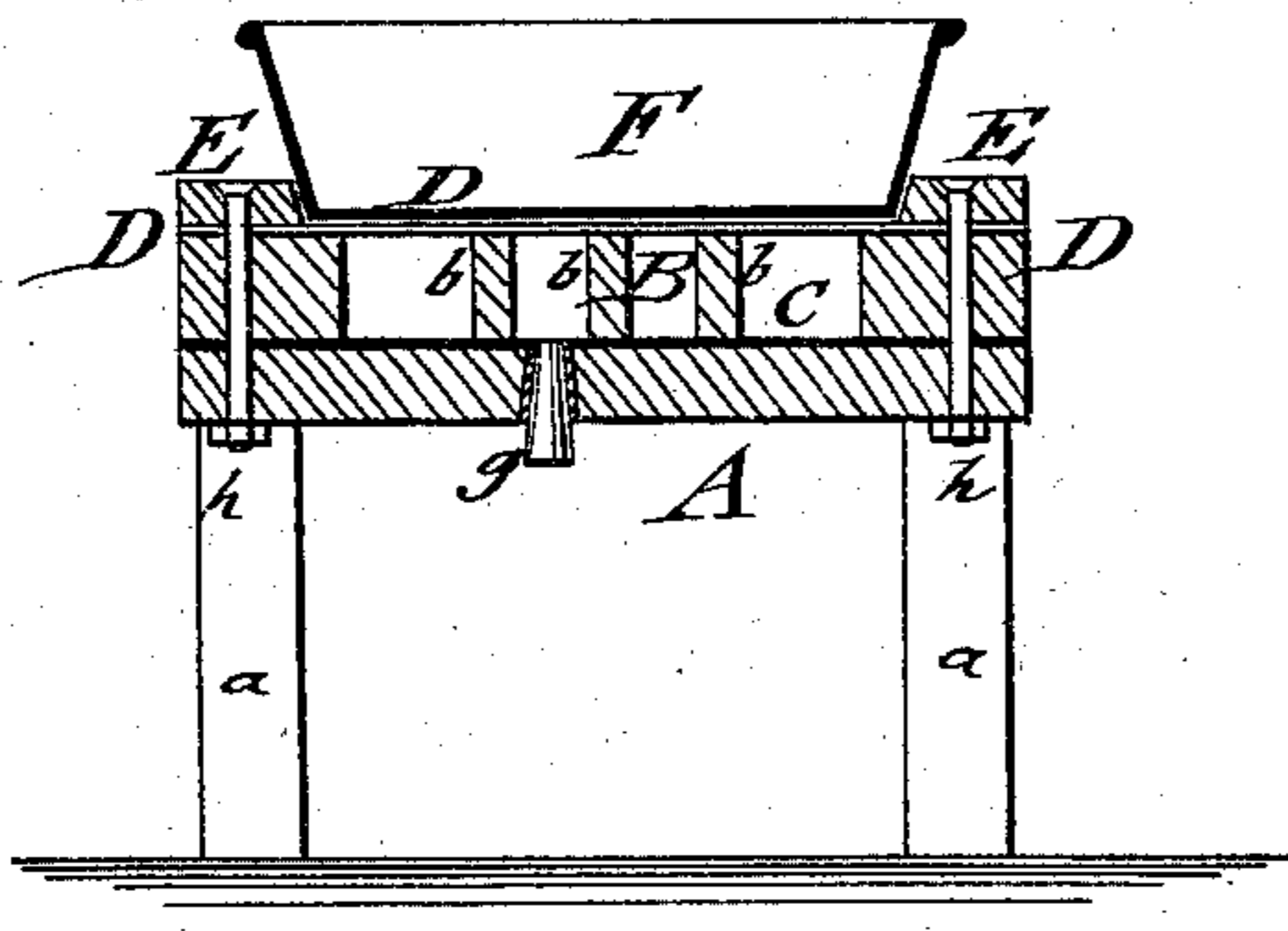
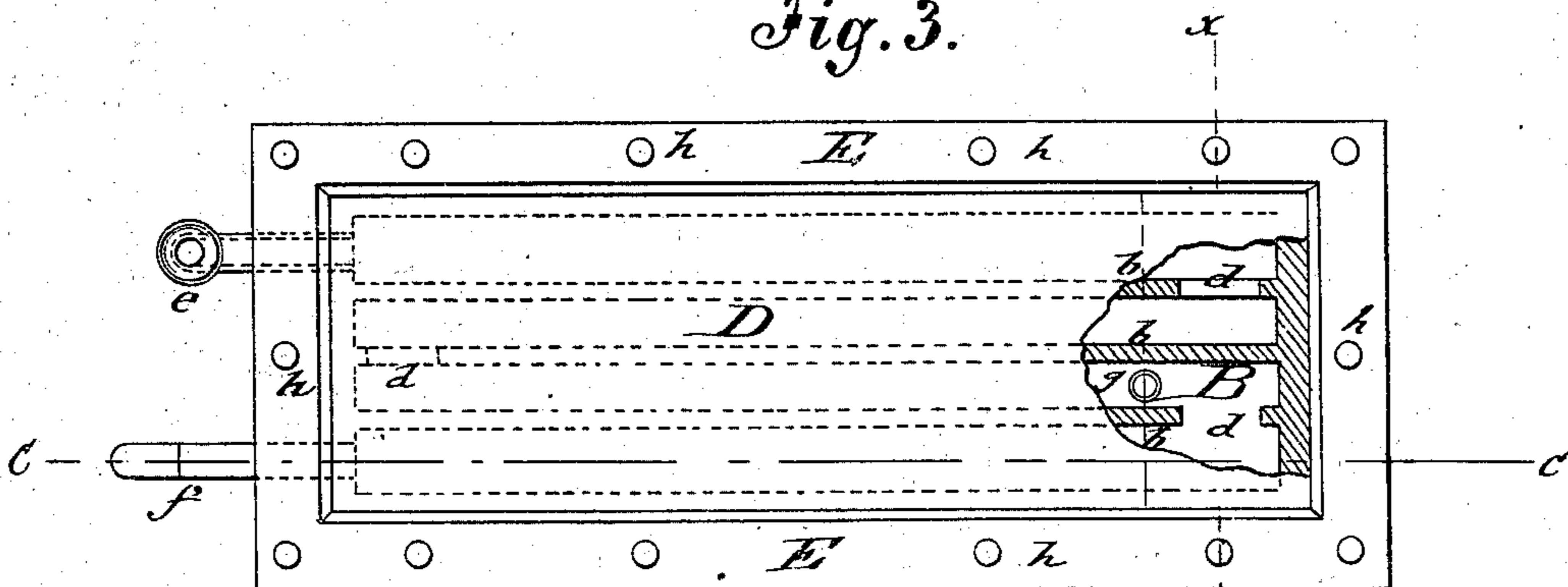


Fig. 3.



Witnesses:

A. Benneken
Sedgwick

Inventor:

Per

J. Pearl
Attorneys.

UNITED STATES PATENT OFFICE.

JAMES PEARL, OF LAWRENCEVILLE, NEW YORK.

IMPROVEMENT IN MILK-COOLERS.

Specification forming part of Letters Patent No. **143,840**, dated October 21, 1873; application filed July 19, 1873.

To all whom it may concern:

Be it known that I, JAMES PEARL, of the city of Lawrenceville, St. Lawrence county, and State of New York, have invented a new and useful Improvement in Milk-Coolers, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a vertical longitudinal section of my improved milk-cooler on the line C C, Fig. 3; Fig. 2, a vertical transverse section on the line X X, Fig. 3; and Fig. 3, a top view of the same.

Similar letters of reference indicate corresponding parts.

The object of my invention is to so improve the milk-coolers at present in use that the corroding of the bottoms of the pans may be avoided, and small vessels, butter, and other articles be placed thereon for cooling. The invention consists in improving the construction of milk-coolers, as hereinafter described and pointed out in the claim.

In the drawing, A represents the wooden frame of the cooler, which is supported on legs *a*. The water-chamber B is arranged on frame *b* by covering it with a layer, C, of sheet metal, preferably zinc, which is painted on both sides to resist the action of the water thereon. The water-course is produced by longitudinal partitions A, which connect by apertures *d* at alternate ends, so that the water is compelled to take a circuitous course through chamber B. The cold water is introduced, in the usual manner, by means of entrance-pipe *e* of chamber B, passes then around the partitions *b*, and is conducted off through exit-pipe *f*. One or more additional holes may be arranged in the

bottom of frame A for cleaning the water-chamber from time to time, which holes are closed by suitable stoppers when the cooler is in operation. Another sheet of zinc or other sheet metal painted on both sides is placed on top of the water-chamber, and attached, by means of border-frame E and bolts *h*, firmly to main frame A. The milk-pan F is placed on cover D, being cooled as readily as by being directly in contact with the water, zinc especially keeping the water cooler, and preventing the corrosion of the bottom of the milk-pan. The milk-pans are thereby kept dry, and last a great deal longer than when placed directly on the water. The top cover D forms, also, a table, which allows the use of smaller pans, according to the quantity of milk obtained, keeping also butter and other articles cool, as they may be set thereon in any vessel.

The top can easily be separated for cleaning, painting, and repairing the water-chamber, so that this cooler is of great advantage to farmers in several respects.

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

The two metallic plates clamped over and under the section B by a bolted top and bottom, in the manner described, to enable all parts of the device to be conveniently taken to pieces, cleaned, and again readily put together.

JAMES PEARL.

Witnesses:

L. P. FERRIS,
C. E. PEARL.