

(No Model.)

C. C. BUELL & J. G. CUDWORTH.
Milk Cooler.

No. 232,388.

Patented Sept. 21, 1880.

Fig. 1.

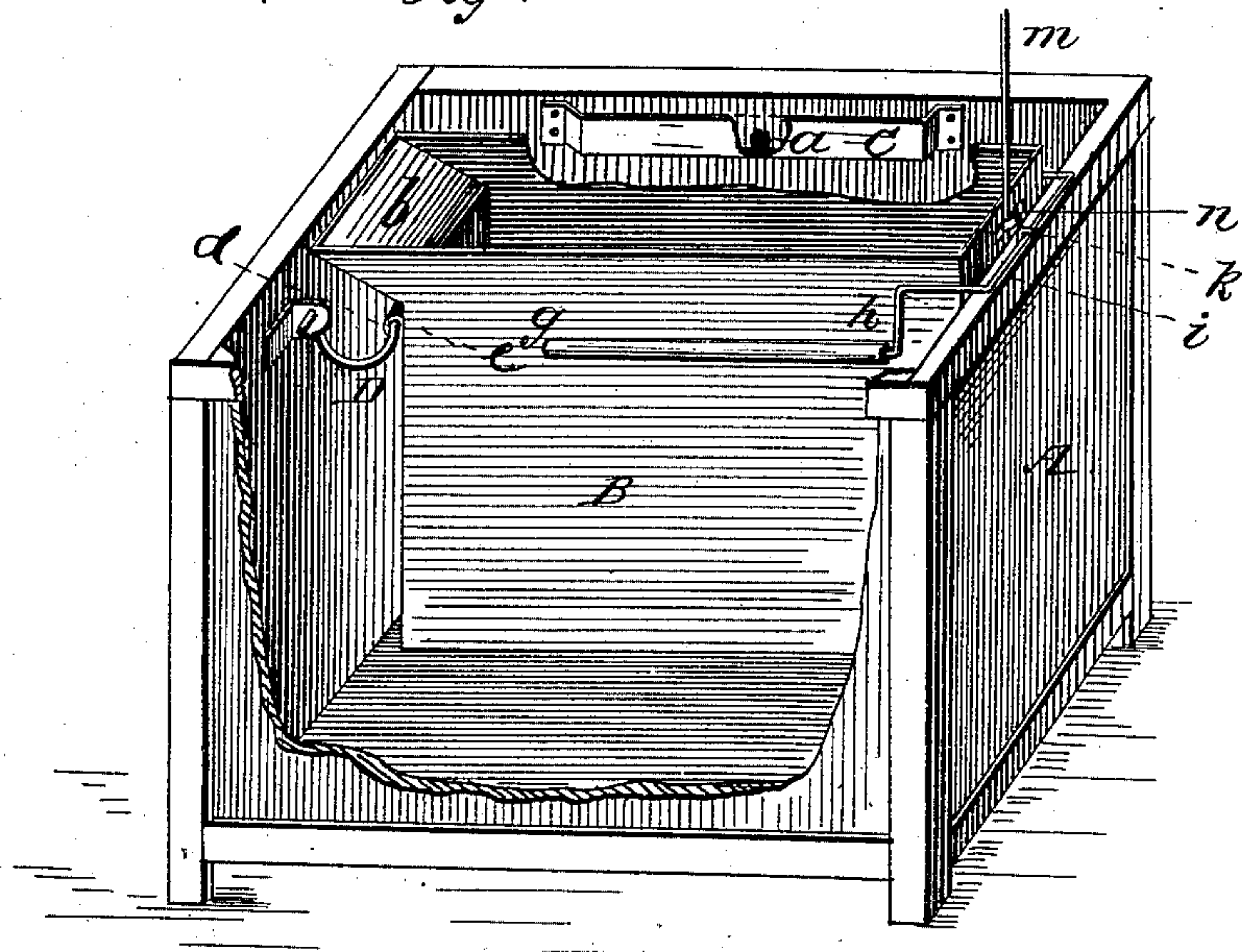
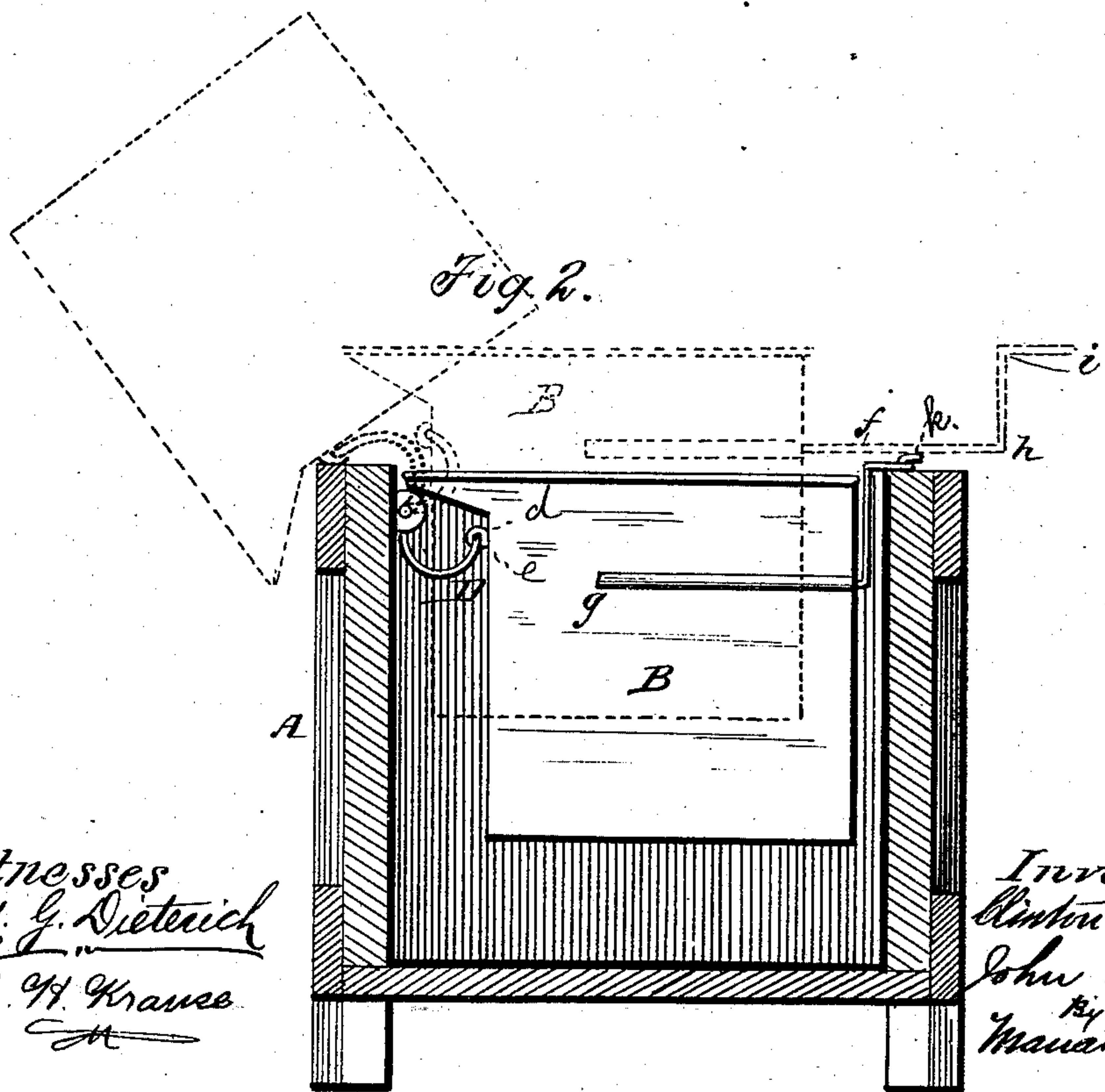


Fig. 2.



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UNITED STATES PATENT OFFICE.

CLINTON C. BUELL, OF ROCK FALLS, ILLINOIS, AND JOHN G. CUDWORTH,
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MILK-COOLER.

SPECIFICATION forming part of Letters Patent No. 232,388, dated September 21, 1880.

Application filed May 5, 1880. (No model.)

To all whom it may concern:

Be it known that we, CLINTON C. BUELL, a citizen of the United States, residing at Rock Falls, in the county of Whiteside and State of Illinois, and JOHN G. CUDWORTH, of Anamosa, Jones county, Iowa, have invented certain new and useful Improvements in Milk-Coolers; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Our invention has reference to an improved milk-cooler; and the improvement attained therein is in the increased convenience in skimming and measuring the cream or pouring off the latter and discharging the milk.

Figure 1 is a perspective view of our improved cooler, with one side broken away to show the interior parts thereof. Fig. 2 is a longitudinal vertical section of the same.

A is a rectangular cooler-chest, which, to insure against leaking, we line with zinc or other metal. Into the cooler A the milk-cans B are intended to descend until the upper edges of the latter are about on the same plane with the upper edges of the chest A. This is desirable in order to bring the cool water against as large a portion as possible of the sides of the pan B, and to bring the water on the outside of the pans B to a full level with the milk in such pan.

The water is let into the cooler through a hole near the bottom at any side, and the same hole serves to draw the water out, if so desired, at any time.

In order to permit the can B to sit low in the water, and at the same time to be convenient for skimming and discharging the milk, we provide the following-described mechanism: To the outside of the front end of the can B we affix the duplex curved rods D D, having their front ends pivoted to the inner wall of the chest A, and interconnected inwardly by their horizontal portion *d*, which rotates in the sleeve *e*, attached to the outside of the front end of the can B. At the rear end

of the can B are the horizontal bars *f*, which play lengthwise in the sleeves *g g*, attached to the outside of the can B. The bars *f* have two bends—the one, *h h*, on the same plane with the sleeves *g g*, and the other, *i i*, about on a level with the top of the can B.

When it is intended to bring the milk in the can to the level of the water the back of the can B is hung on the bends *i i* of the bars *f*, such bends engaging the upper edge of the chest A, as shown in Fig. 1. In this position the pin *k* is turned with its head projecting over the center bar of the bars *f*, and prevents the can B from rising when the height of the water should exceed that of the milk in the can.

When it is desired to raise the can B from the water, for convenience in skimming and measuring the cream, the can is thrown forward and upon the curved rods D D, by means of the lever *m*, until the sleeves *g g* are on a level with the upper edge of the chest A, when the bars *f* are drawn back and rest on the bends *h h*, on the upper edge of the chest A. This is the first position shown in dotted line, Fig. 2.

The curved rods D D readily adjust themselves to carry the front end of the can B to the level of the two positions last named of such can. When the lever *m* is not in use it is readily withdrawn from its socket *n* to permit the lid of the chest to close.

When it is desired to pour off the cream or discharge the milk the can B is readily tilted over the front edge of the chest A, as shown in the dotted lines in Fig. 2, the curved rods D D carrying the front end of the can B sufficiently forward for the purpose of allowing the cream or milk to pour out at the spout *b*.

Any desired number of cans may be used in one cooling-chest.

We are aware that a pan supported upon and adapted to slide endwise on a hinged bail having downward bends, whereby said pan is suspended down in the water in a tank, and adapted to be tilted, through the medium of said bail, so that the cream may be run off into a suitable receptacle, is old, and such construction we do not wish to be understood as claiming, broadly, as of our invention. In our con-

struction, however, by means of the pivoted curved rods and adjustable bars, the pans may be raised horizontally and supported above the tank for convenience in removing the cream, and subsequently tilted for removing the milk.

What we claim as our invention, and desire to secure by Letters Patent of the United States, is—

In a milk-cooler, the combination, with the chest A, of the can B, connected thereto at one end by the curved pivoted rods D, and supported at its rear end by the adjustable bars f, whereby the can is adapted to be thrown forward and raised so as to project above the

top of the case, and subsequently tilted for discharging its contents, substantially as specified.

In testimony whereof we affix our signatures in presence of two witnesses.

CLINTON C. BUELL.
JOHN G. CUDWORTH.

Witnesses to C. C. Buell's signature:

E. E. HECKER,
CYRUS KEHR.

Witnesses to John G. Cudworth's signature:

JOHN H. CHAPMAN,
BENJAMIN T. WHITE.