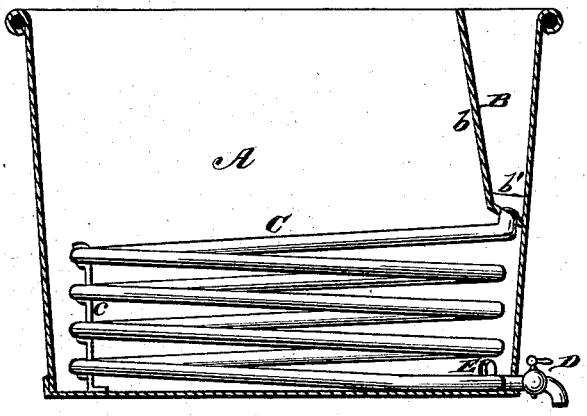
A. E. TURVEY.
Milk-Cooler.

No. 217,434. Patented July 8, 1879.



WITNESSES
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UNITED STATES PATENT OFFICE.

AMANDA E. TURVEY, OF FREDERICKTOWN, OHIO.

IMPROVEMENT IN MILK-COOLERS.

Specification forming part of Letters Patent No. **217,434**, dated July 8, 1879; application filed April 12, 1879.

To all whom it may concern:

Be it known that I, AMANDA E. TURVEY, of Fredericktown, in the county of Knox and State of Ohio, have invented certain new and useful Improvements in Milk-Coolers; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, making a part of this specification, and to the letters and figures of reference marked thereon.

The figure of the drawing is a representation of a vertical central section of my milk-cooler.

My invention relates to milk-coolers; and it consists in a milk-reservoir formed upon the inside of the water-vessel, provided with concave bottom, to which a tin-lined lead pipe is attached. This pipe coils downward and rests upon the bottom of the water-vessel, and is properly supported in this position by stays, and the lower end extends out through the wall of the water-vessel, and is provided with a faucet for drawing off the milk or regulating its flow and the reduction of its temperature, which invention and its value will herein more fully appear.

A is the water-vessel. B is a milk-reservoir, formed upon the inside of the water-vessel by attaching the piece *b* to its inner sides and placing the concave bottom *b'*. C is a coil of lead pipe, which is tin-lined, and is connected with the bottom of the milk-reservoir at its lowest point. There is a support, *c*, for retaining this pipe in its position. D is a faucet, attached to the lower coil of the milk-pipe. E is an opening to the water-vessel, to which a faucet or plug may be applied for drawing off the water. This water-vessel should be formed of galvanized iron, and the lead pipes are to be tinned upon the inside to preserve the milk from being tainted by the lead.

This construction of a milk-cooler enables me to produce a compact and durable cooler—one that provides for a continuous flow of milk by partially opening the faucet D; also, a continuous flow of water from the water-vessel may be provided for by partially opening the exit E. By these means I am enabled to provide a regulated process of cooling the milk.

I am also enabled, by means of my invention, to construct a milk-cooler which, though small and compact, and containing but a small amount of milk, will cool the milk of a large number of cows as fast as the same will ordinarily be produced from the cows without requiring any additional handling of the milk, as the same will flow through my cooler.

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

A milk-cooler consisting of the water-vessel A, provided with the milk-reservoir B, located within the vessel A, subjected to the action of the water, and constructed of the piece *b* and the concave bottom *b'* and exit E, in combination with the pipe C, coiled downward, as described, in the body of the water-vessel, and extending through the wall of the same, and provided with the faucet D, as and for the purposes set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

MISS AMANDA E. TURVEY.

Witnesses:

KATE GREENLEE,

A. GREENLEE.