

A. ULRICH.
Refrigerator-Wagon.

No. 209,729.

Patented Nov. 5, 1878.

Fig. 1.

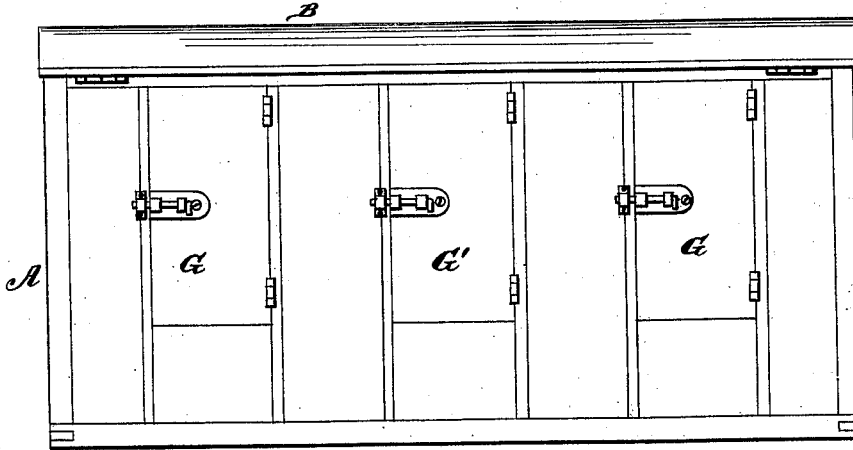
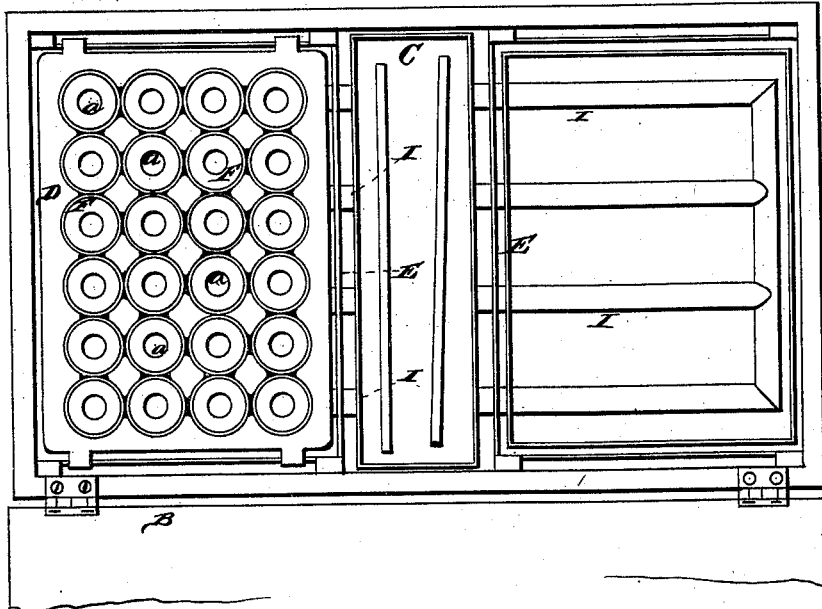


Fig. 2.



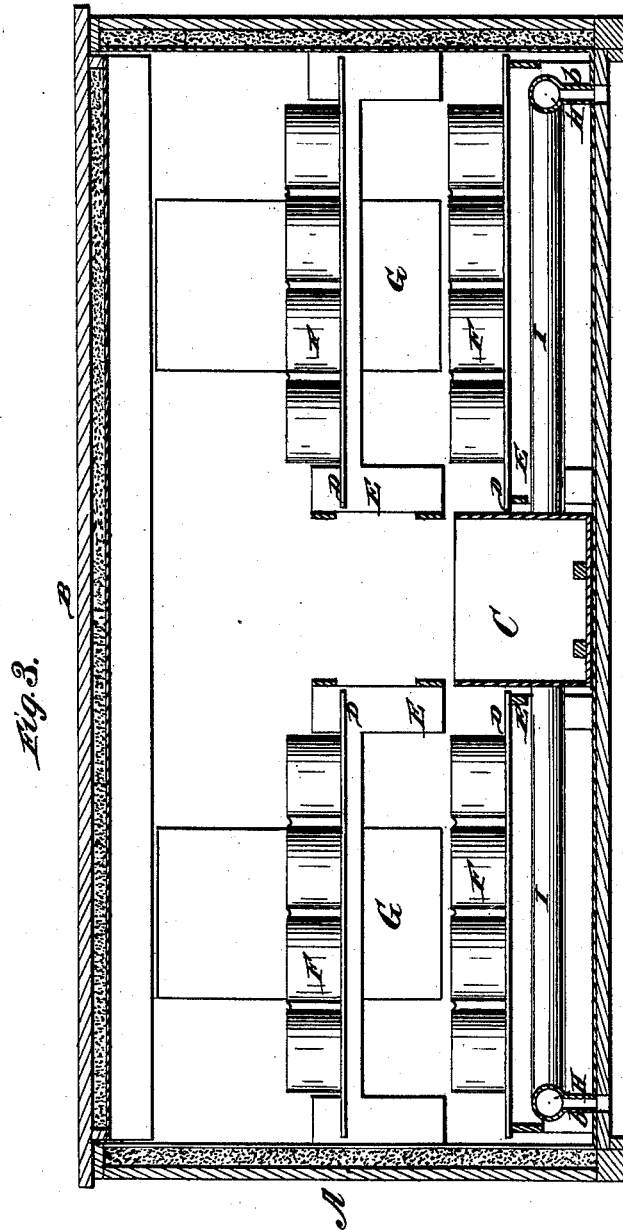
WITNESSES,
Robert Everett,
James J. Sheehy.

INVENTOR,
Anton Ulrich,
 By *Gilmore, Smith & Co.*
 ATTORNEYS.

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UNITED STATES PATENT OFFICE.

ANTON ULRICH, OF LOCKPORT, NEW YORK.

IMPROVEMENT IN REFRIGERATOR-WAGONS.

Specification forming part of Letters Patent No. **209,729**, dated November 5, 1878; application filed September 7, 1878.

To all whom it may concern:

Be it known that I, ANTON ULRICH, of Lockport, in the county of Niagara and State of New York, have invented a new and valuable Improvement in Refrigerator-Wagons; 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 drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side elevation of the body of my refrigerator-wagon. Fig. 2 is an interior plan view of the same, and Fig. 3 is a longitudinal vertical central sectional view.

The nature of my invention consists in the construction and arrangement of a refrigerator-wagon, intended especially for use in delivering bottled beer for keeping the same cool, as will be hereinafter more fully set forth.

The annexed drawings, to which reference is made, fully illustrate my invention.

A represents a wagon-box of any suitable dimensions, to be mounted upon the usual running-gear of wagons, and is provided with a hinged top, B, which is to close on the box comparatively air-tight. The box A and cover B are provided with interior sheet-metal linings and packed between the linings and the walls with charcoal or other suitable non-conducting material. In the center of the wagon-box A is placed an ice-pan, C, to contain a suitable quantity of ice, leaving at each end of the box a space in which are racks E E. These racks, at each end of the box, support two or more trays, D. On the top of each tray D are fastened a number of rings, F F, which form cups to receive the beer-bottles, and a

hole, *a*, is made through the tray in the center of each ring or cup to admit of free circulation of air. A door, G, is made in the box A on each side at or near each end, and on one or both sides is a door, G', into the ice-space. From each side of the ice-pan C lead a series of pipes, I, under the trays, said pipes connecting at the end of the box with a single pipe, H, from which a small pipe, *b*, leads through the bottom of the wagon to conduct the waste-water away from the ice-pan.

By allowing the waste-water to pass through the pipes I H, as described, the cold therein is utilized instead of allowing it to pass directly out.

By the use of a wagon of this construction the beer while delivering will be always kept cool, and there is no liability of it spoiling.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a refrigerator-wagon, the box A, provided with the central ice-pan C, and the trays D, having rings F, and provided with openings *a a* through the tray, combined and operating substantially as set forth.

2. The combination of the refrigerator-wagon box having top and doors, as described, the ice-pan C, provided with pipes I H *b*, the racks E, and the perforated trays D, with rings, all constructed substantially as and for the purpose set forth.

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

ANTON ULRICH.

Witnesses:

L. A. SPALDING,
A. B. STETSON.