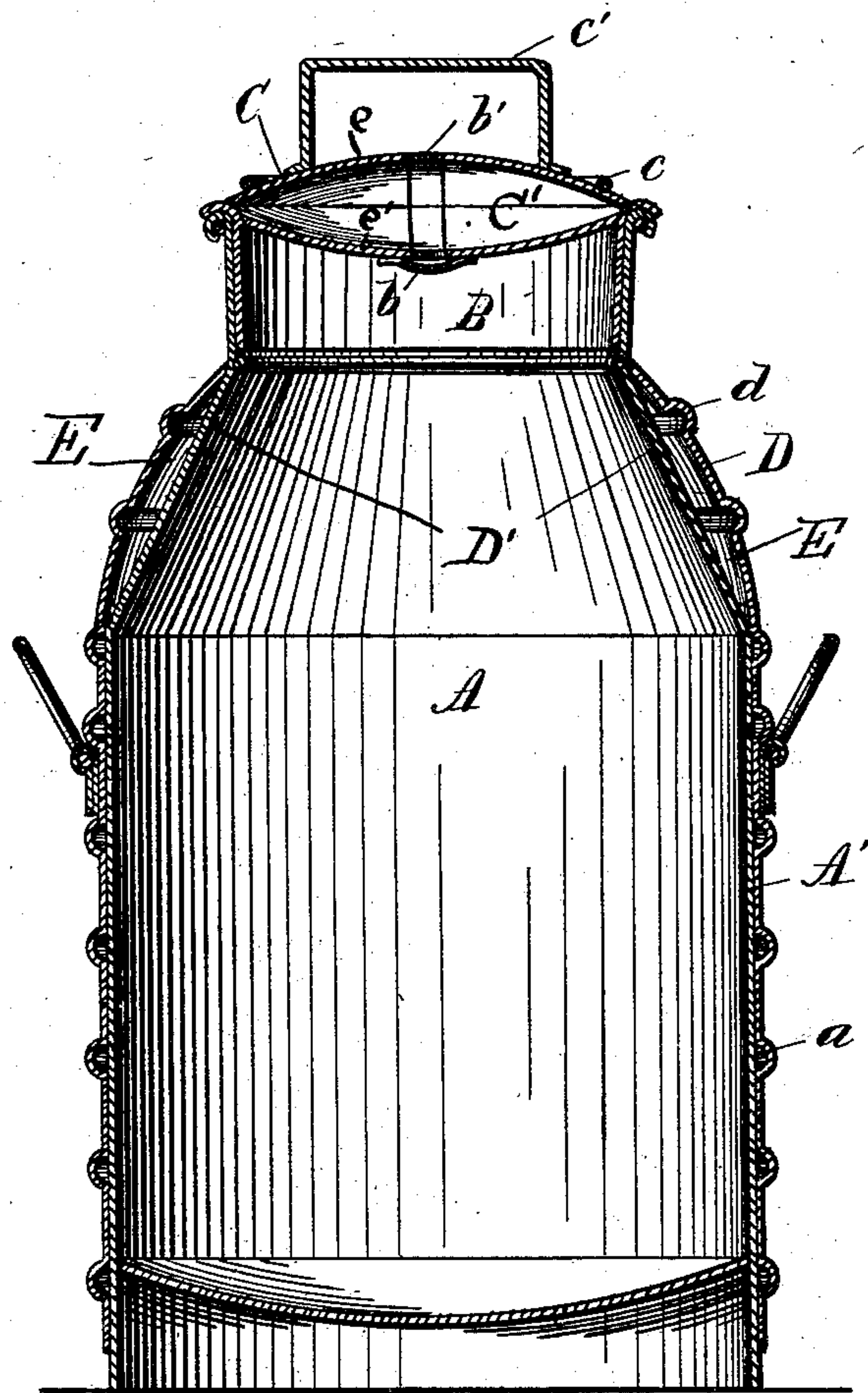


(No Model.)

J. HEFFLEY, Sr.
REFRIGERATING CAN.

No. 256,566.

Patented Apr. 18, 1882.



Witnesses,
Jas. L. Halby
Will, A. Craig

Inventor,
Joseph Heffley, Sr.
By Mowles & Ennis
his attorneys

UNITED STATES PATENT OFFICE.

JOSEPH HEFFLEY, SR., OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO
WILLIAM RUCH, OF SAME PLACE.

REFRIGERATING-CAN.

SPECIFICATION forming part of Letters Patent No. 256,566, dated April 18, 1882.

Application filed September 7, 1881. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH HEFFLEY, Sr., a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Refrigerating-Cans; and I 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 drawing, and to the letters or figures of reference marked thereon, which forms a part of this specification.

The figure in the drawing is a sectional elevation of a refrigerating-can embodying the improvements in my invention.

This invention has relation to improvements in refrigerating-cans for fluids and the like; and the invention consists in the construction of the same, as will be hereinafter more fully set forth, and particularly pointed out in the claims.

In the accompanying drawing, similar letters of reference indicate like parts of the invention.

A represents the interior of a can having smooth straight sides and a converging neck, D', as shown. A' is an outer sheathing of heavy corrugated iron, the corrugations shown by the letter *a*.

D represents a malleable-iron casing forming a continuation of A', and fitting around the neck D' so as to leave a non-conducting air-space, E. This casing D is also strengthened and protected by corrugations *d*.

The mouth B of the can is of ordinary construction; but the cap or cover C is double, and has a non-conducting air-space, C', formed by the concavo-convex top *e e'*. A vent-tube, *b'*,

extends through the air-space in the top, and is provided at its lower end with a strainer, *b*. A metallic ring, *c*, is secured to the outside of the cover C to protect it from abrasion in handling, and an ordinary bail or handle, *c'*, for convenience in removing the cover, is also provided.

In operation the cover is removed and the can filled with milk, cream, or any liquid, the cover is then replaced, and any gas or animal heat contained in the fluid escapes through the vent-tube *b'*.

The contents are protected from extreme changes of temperature by the air-spaces C' E and the non-conducting air-spaces in the corrugations *a* around the body of the can. These corrugations also greatly strengthen and brace the can during handling while it is filled, and materially add to the life of it.

Having thus fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent of the United States, is—

1. A refrigerator-can consisting of the body A and neck D', re-enforced by the corrugated sheathing A' *a* D *d*, in combination with the cover C, having concavo-convex top *e e'*, vent-tube *b'*, strainer *b*, and protecting-ring *c*, substantially as set forth.

2. In a refrigerating-can, the cover C, having the concavo-convex top *e e'*, in combination with the vent-tube *b'*, having strainer *b* and protecting-ring *c*, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JOSEPH HEFFLEY, SR.

Witnesses:

C. B. ROBERTS,

THOS. D. MOWLDS.