

J. A. BENNETT,

Milk Can.

No. 80,800.

Patented Aug. 11, 1868.

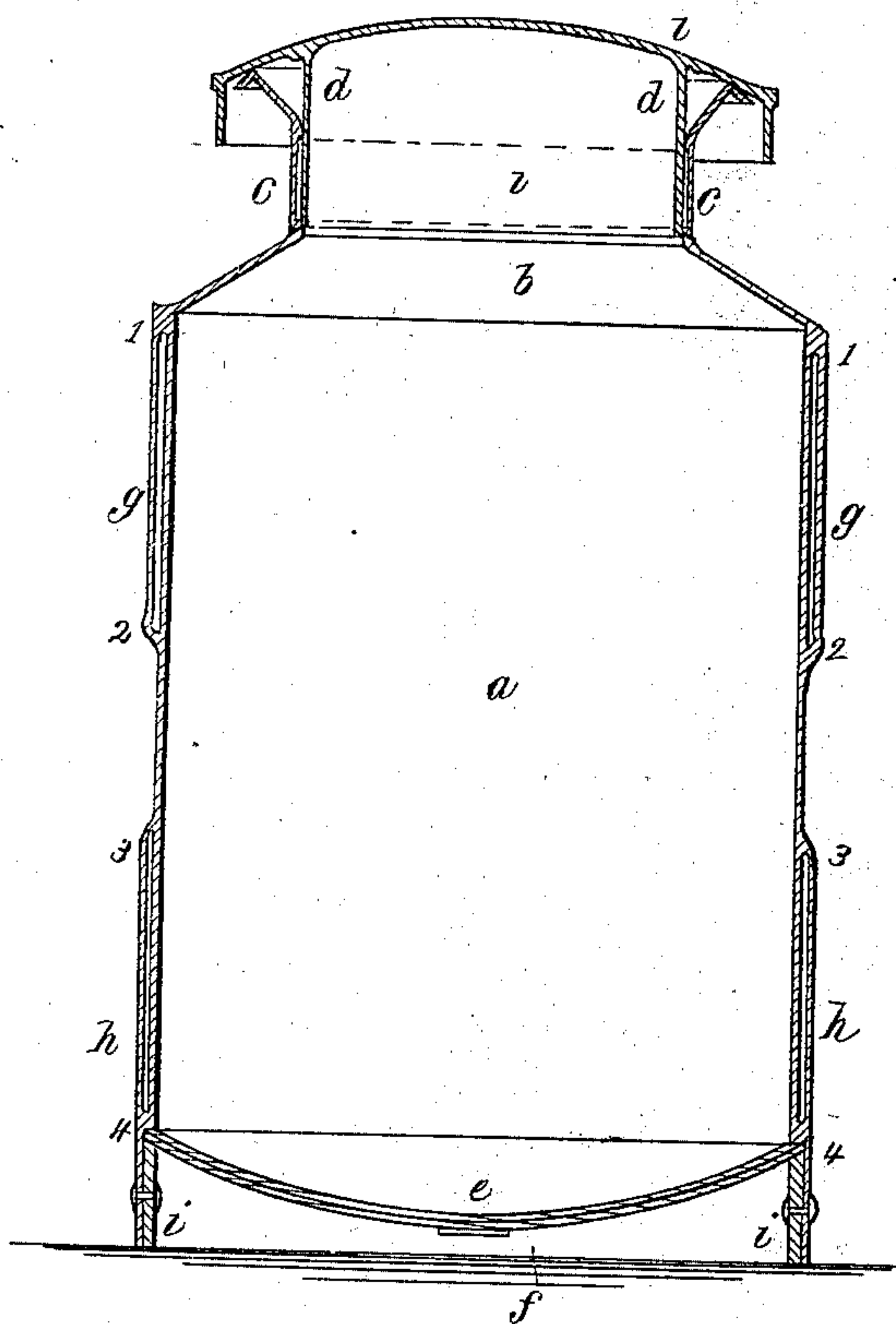


Fig. 1.

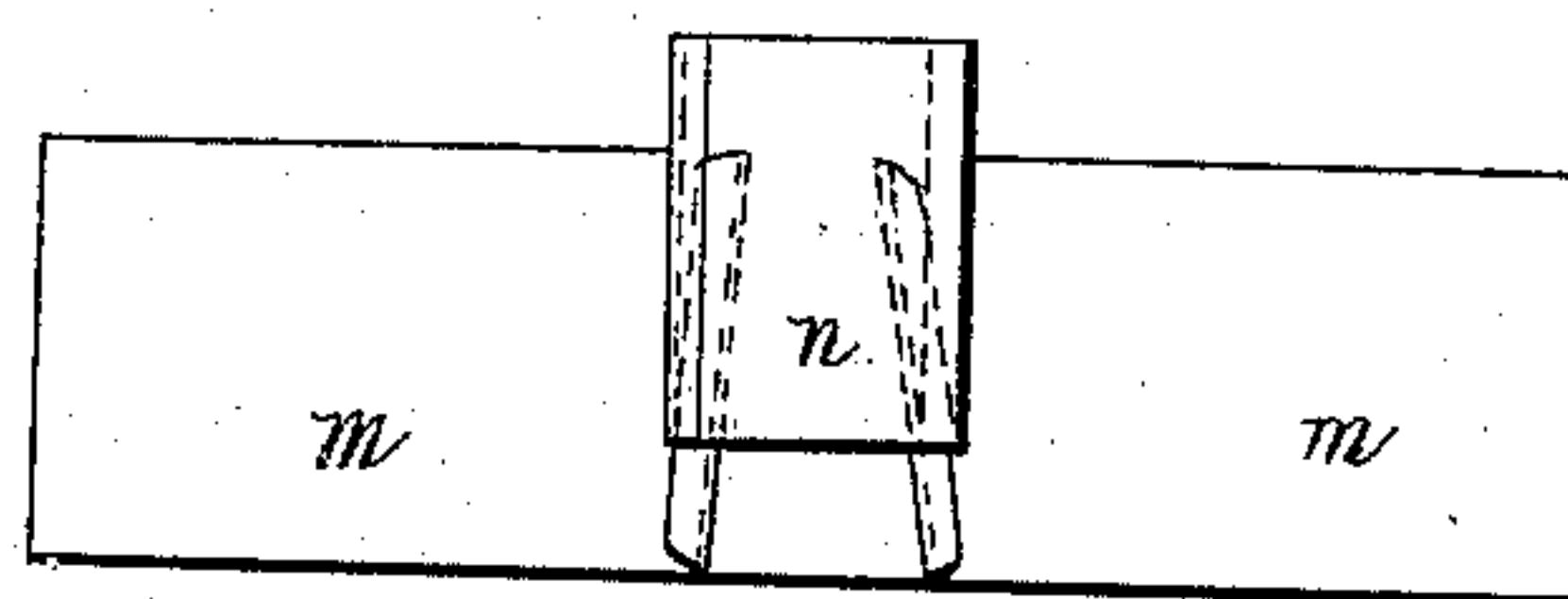


Fig. 2.

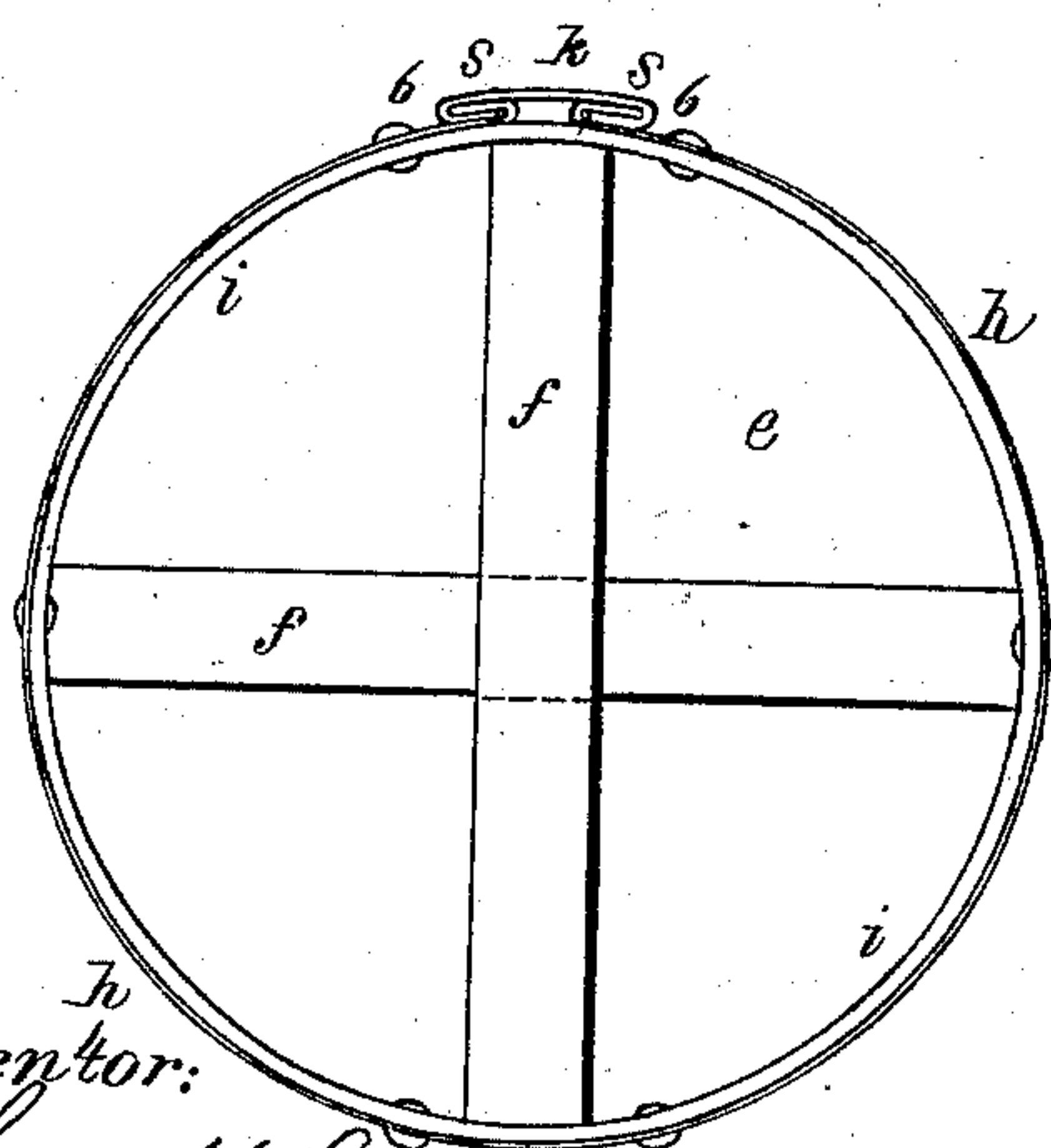


Fig. 3.

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United States Patent Office.

JAMES A. BENNETT, OF MILLERTON, NEW YORK.

Letters Patent No. 80,800, dated August 11, 1868.

IMPROVEMENT IN MILK-CANS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JAMES A. BENNETT, of Millerton, in the county of Dutchess, and State of New York, have invented, made, and applied to use, a certain new and useful Improvement in Milk-Cans; and I do hereby declare the following to be a full and correct description of the nature of the said invention, reference being had to the annexed drawing, making part of this specification, wherein—

Figure 1 is a vertical section of said can without the central band.

Figure 2 is an elevation of the band separate from the can, and

Figure 3 is an inverted plan of the can.

Similar marks of reference denote the same parts.

In milk-cans, strength and lightness are very important. It is also equally necessary that the can be adapted to preserving the contents from the heat of the sun in transportation during the summer.

Cans that have heretofore been made with a view to effecting the latter object, do not allow the milk to cool sufficiently rapid after milking, but, by retaining the natural warmth, render the same liable to become sour.

The nature of my said invention consists in a milk-can formed with two sheet-metal jackets, one near the top and the other near the bottom of the outside of the can, leaving the intermediate portion of the can exposed, so that there may be the proper extent of surface exposed to insure the milk cooling after being milked, and I apply a movable band at this exposed portion of the can after the milk is cooled.

The metallic jackets strengthen the can, as well as protect it from the direct rays of the sun, and the movable band, when applied, effects the same object.

In the drawing, *a* represents the cylindrical portion of the can, *b* the breast, *c* the neck, and *d* the flaring mouth.

e is the bottom of the can, strengthened by bands, *ff*, passed entirely across, and soldered upon said bottom of the can.

g is the upper sheet-metal jacket, made of sufficiently heavy tinned iron, and soldered, at the points 1 and 2, to the can *a*.

h is the lower sheet-metal jacket, soldered to the can *a* at the point 3, and may be soldered to the bottom of the can, around the edges thereof, at 4, as shown.

The jacket *h* projects below the can *a*, and receives the iron hoop *i*, riveted to the jacket *h*, to form a strong base for the can.

The jackets *g* and *h* are formed of sheet metal, with the ends folded over in one direction, either inwardly or outwardly, as seen at 5 5, fig. 3, and over these a clasp-piece, *k*, of heavy sheet metal is driven, having its edges returned, as seen at 6 6, which, taking the folds 5 5, makes a very strong seam, that is smoother and more durable than riveting, and the edges of the folds may be soldered.

By forming the edges 6 6 slightly tapering, the jackets may be drawn tightly upon the can, as said pieces *k* are driven upon their ends.

The jackets *g h* form non-conducting air-spaces that prevent, to a considerable extent, the injurious effects upon the milk of changes of temperature or the direct rays of the sun, and the portion of the can between these jackets, that is left exposed, is sufficient to allow the milk to cool rapidly after milking.

The cover, *l*, of the can is made in any usual manner.

The space between the jackets *g* and *h* is sufficient to allow the warm milk to cool by the radiation to the temperature of the atmosphere or cold water in which the can is usually placed, and in extreme warm weather the can is to be protected from the sun's rays by a band applied around the same. I have shown a metal band, *m*, with folded ends, held by the slide clasp *n*. A band of cloth or other material might, however, be applied at this point for the same purpose.

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

1. A milk-can, made with the hollow sheet-metal jackets *g h*, forming non-conducting air-chambers, between which jackets the can is exposed for the purposes and as set forth.

2. The removable band *m*, in combination with the jackets *g h*, for covering the can between said jackets, as specified.

In witness whereof, I have hereunto set my signature, this 25th day of January, A. D. 1868.

JAS. A. BENNETT.

Witnesses:

E. W. SIMMONS,

JOHN M. BENEDICT.