H. T. JONES.

MILK-STRAINERS.

No. 194,354. Patented Aug. 21, 1877.

Fig. 1.

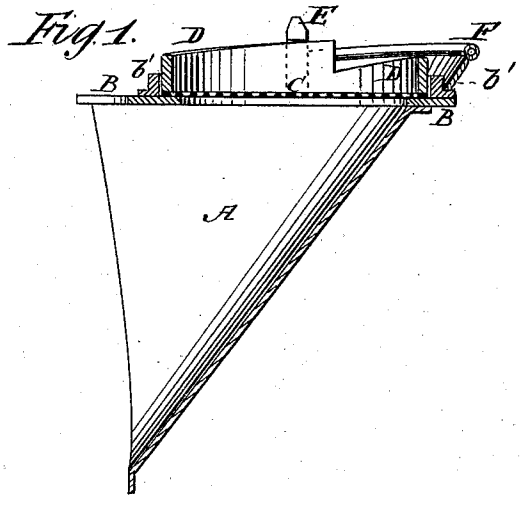


Fig. 2.

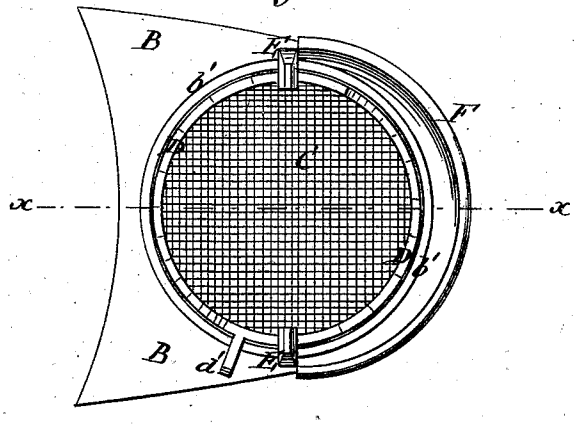
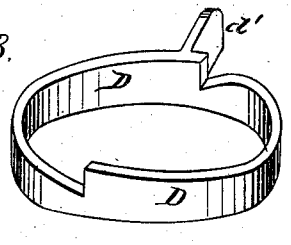


Fig. 3.



WITNESSES:

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HENRY T. JONES, OF CATSKILL, NEW YORK.

IMPROVEMENT IN MILK-STRAINERS.

Specification forming part of Letters Patent No. **194,354**, dated August 21, 1877; application filed July 30, 1877.

To all whom it may concern:

Be it known that I, HENRY T. JONES, of Catskill, in the county of Greene and State of New York, have invented a new and useful Improvement in Detachable Strainer for Milk-Pails, of which the following is a specification:

Figure 1 is a vertical section of my improved strainer, taken through the line *x x*, Fig. 2. Fig. 2 is a top view of the same. Fig. 3 is a detail perspective view of the clamping-ring.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved strainer for milk-pails and other uses, which shall be so constructed that it may be easily and thoroughly cleaned, which shall be strong and compact, will furnish no passage for any dirt, and may be easily renewed, as required.

The invention consists in the combination of the double cam-ring and the lugs with the gauze, the flange, and the plate, to which they are applied, as hereinafter fully described.

A represents the spout, the edges of which are designed to be secured to the side of the milk-pail by solder, or solder and rivets, in the usual way.

To the top of the spout A is secured the top or cap plate B, through which is formed a hole, through which the milk is poured when being strained, and which is covered with the wire-gauze C, that forms the strainer.

To the plate B, at a little distance from the edge of the hole through it, is attached a ring-flange, *b'*, to form a shoulder or seat for the gauze C. The gauze C is cut into circular form, and its edge dipped in solder to prevent it from unraveling.

D is a double cam-ring, which fits into the ring-flange *b'*, and passes beneath the shoulders of the lugs E, attached to the cap-plate B, so that by turning the cam-ring D the gauze C may be closely and firmly clamped between the lower edge of the said cam-ring and the plate B, and flange *b'* keeping it from slipping out of place.

The spout is provided with a lip, F, to guide the milk while being poured out.

With this construction, by turning the cam-ring D back to bring its lowest parts beneath the lugs E, the said ring-cam may be readily detached, allowing the gauze C to be taken out and the gauze and spout to be easily and thoroughly washed and cleaned.

The ring D has a lug, *d'*, formed upon one side for convenience in turning it.

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

The combination of the double cam-ring D and the lugs E with the gauze C, the flange *b'*, and the plate B, substantially as herein shown and described.

HENRY T. JONES.

Witnesses:

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