

(No Model.)

G. H. CORNELL.

MILK STRAINER.

No. 310,494.

Patented Jan. 6, 1885.

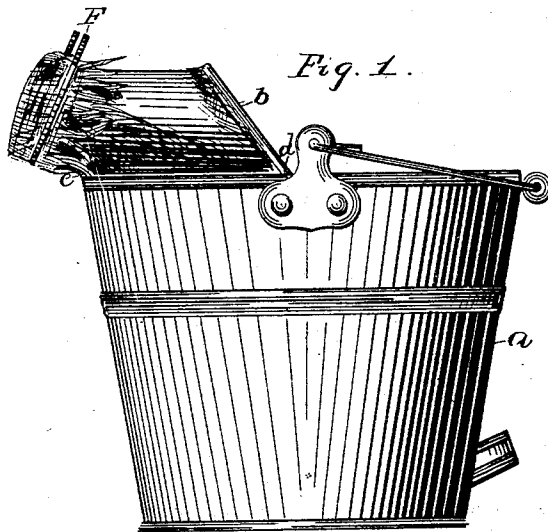


Fig. 2.

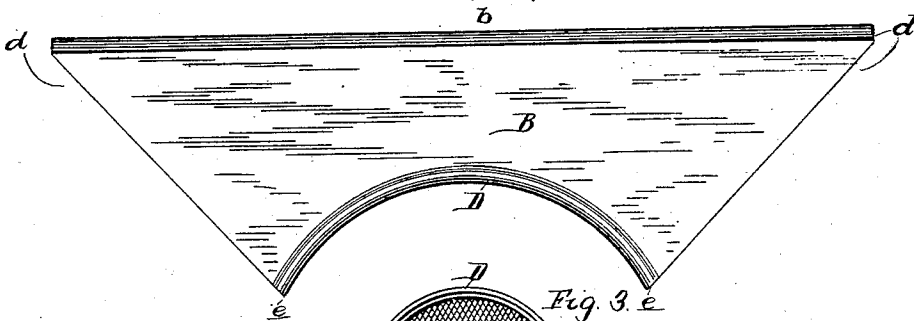


Fig. 3.

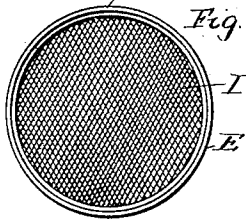
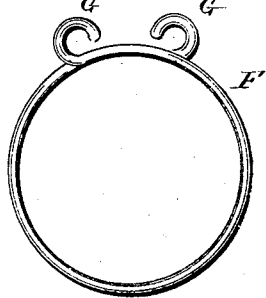


Fig. 4.



WITNESSES:

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GEORGE H. CORNELL, OF AMBOY, ILLINOIS.

MILK-STRAINER.

SPECIFICATION forming part of Letters Patent No. 310,494, dated January 6, 1885.

Application filed April 4, 1884. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. CORNELL, a citizen of the United States, residing at Amboy, in the county of Lee and State of Illinois, have invented certain new and useful Improvements in Milk-Strainers; 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 drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention has relation to improvements in milk-pails; and it consists in the construction and novel arrangement of devices, as will be hereinafter more fully set forth, and particularly pointed out in the claim appended.

The object of my invention is to provide a milk-pail with a funnel-shaped breast having a straight obliquely-arranged annular discharge-mouth to receive a spring clamping device for holding over the said mouth a cloth or other suitable strainer.

Figure 1 is a side view of my improved breast attached to a pail. Fig. 2 is a plan view of the blank breast ready to be attached to the pail. Fig. 3 is a plan view of the flat ring and strainer detached, and Fig. 4 is a side view of the clamping device.

This object I accomplish by the means shown and illustrated in the accompanying drawings, in which the letter *a* indicates a pail, which may be made of tin in the ordinary manner; and *B*, the breast, which is formed of a skelp of homogeneous material, of the contour shown in Fig. 2, and formed into a breast in the following manner: The upper or straight edge, *b*, being wired, as shown, the opposite angular edges, *d*, are bent gradually downward from the center until the narrow edges *e e* are made to slightly overlap each other, when they are soldered together and the adjacent

lower edge of the breast soldered or otherwise suitably secured to the upper forward edge of the pail, forming an annular opening, *D*. In this opening *D*, I secure a flat ring, *E*, which has straight outer sides and extend slightly upward and forward from the said breast to receive a clamping device for holding a cloth or other analogous material for straining purposes. At the inner end of this ring may be removably secured a strainer, *I*, of any suitable mesh.

F indicates the clamping device, which consists of a piece of spring-wire, bent as shown, to be slipped over the ring-mouth of a pail, having its free ends passing each other and bent in opposite directions upward and then downward, to form the projections *G*. By this construction it will be perceived that when the thumb and forefinger have been placed on the respective loop projections and brought together the device will be expanded diametrically, thus allowing it to be easily placed over the ring-mouth of the pail with the cloth interposed.

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

The combination, with a milk-pail having a breast constructed and secured thereto, substantially as set forth, and having its annular discharge-spout provided with the wired edge, of the spring-clamp *F*, composed of a strand of spring-wire bent in ring form, having its free ends overlapping each other and terminating in oppositely-directing loops, whereby the said ring may be diametrically expanded by pressing the free ends in the direction of one another, substantially as shown and described.

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

GEO. H. CORNELL.

Witnesses:

C. A. WILCOX,
P. M. JAMES.