No. 744,999. PATENTED NOV. 24, 1903.

C. P. CAPRON.

REMOVABLE SPOUT FOR PAILS.

APPLICATION FILED MAR. 28, 1903.

NO MODEL.

Fig. 1.

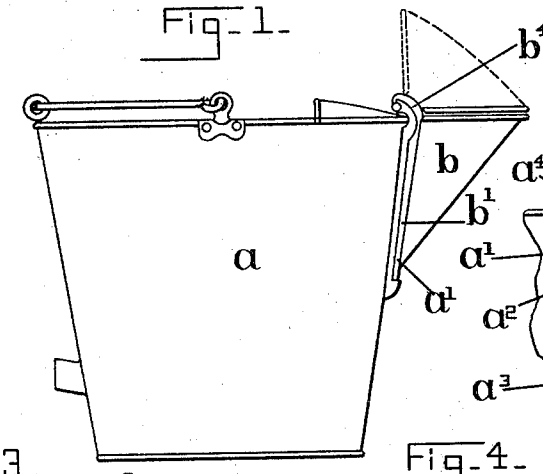


Fig. 2.

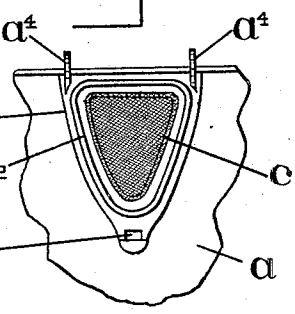


Fig. 3.

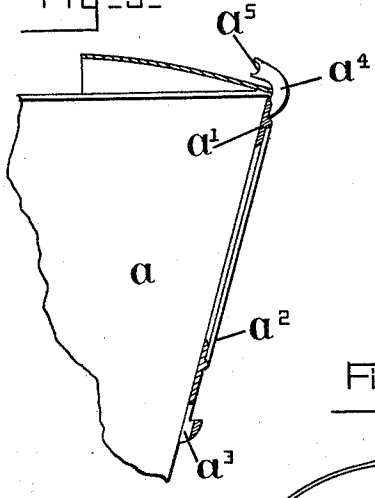


Fig. 4.

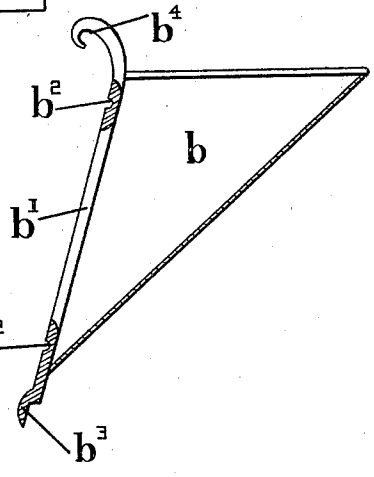
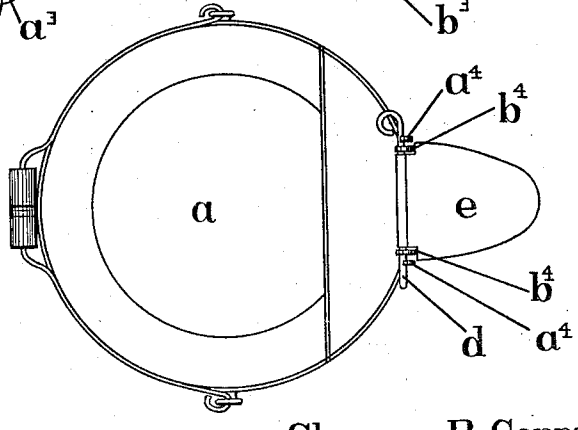


Fig. 5.



Witnesses
Frank L. Dewey
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 744,999. Patented November 24, 1903.

UNITED STATES PATENT OFFICE.

CLARENCE P. CAPRON, OF NORWICHTOWN, CONNECTICUT.

REMOVABLE SPOUT FOR PAILS.

SPECIFICATION forming part of Letters Patent No. 744,999, dated November 24, 1903.

Application filed March 28, 1903. Serial No. 149,955. (No model.)

To all whom it may concern:

Be it known that I, CLARENCE P. CAPRON, a citizen of the United States, residing at Norwichtown, in the county of New London and State of Connecticut, have invented certain new and useful Improvements in Removable Spouts for Pails, of which the following is a full, clear, and exact description.

The object of this invention is to provide a removable spout and strainer for milk-pails and the like articles in order that the said strainer may be readily removed and may be more thoroughly scalded and cleansed than is possible in pails as now commonly constructed.

In order to explain my invention, I have provided the accompanying drawings, in which—

Figure 1 is a side elevation of a pail embodying my improvements, and Fig. 2 is a view of that portion of said pail to which the strainer and spout are removably attached. Fig. 3 is a vertical central sectional view, somewhat enlarged, of that portion of the pail shown in Fig. 2; and Fig. 4 is a similar view of the removable spout. In Fig. 5 I have shown a top or plan view of the complete pail.

In the drawings the letter a indicates the pail, and b the spout. Secured to the pail by solder or otherwise is a light metallic frame a', that conforms in shape to the opening in the pail, and said frame a' is formed with a rib a^2, as is best seen in Figs. 2 and 3. The extreme lower portion of frame a' is provided with an undercut opening a^3, and the upper portion of said frame is formed with extensions a^4, that are provided with notches a^5 for a purpose hereinafter explained.

The spout b is secured to a metallic frame b' of the same size and general shape as the frame a', said frame b' being formed with a groove b^2, that registers with the rib a^2 when the parts are assembled. The lower end of frame b' is formed with an extension b^3, that is adapted to hook into the opening a^3, and the upper portion of said frame b' is provided with hook-shaped extensions b^4, that lie in the same horizontal plane as the notches a^5 when the pail is ready for use.

When it is desired to assemble the pail and spout, a wire-cloth strainer c is first placed upon the frame a' within the rib a^2, as in Fig. 2. The hook b^2 is then inserted in the opening a^3, and as the spout is swung forward into engagement with the pail the groove b^2 engages the rib a^2 and makes a joint that is sufficiently tight under ordinary conditions to prevent the escape of milk as the latter is poured from the pail; but in order to insure a positively tight joint a thin packing of cloth may be interposed between the rib and groove. When the spout has been placed in position on the pail, as above explained, a retaining-rod d is inserted between the notched extensions a^5 and the hook-shaped extensions b^4, as seen in Figs. 1 and 5, thus locking the spout securely to the pail. The cover e of the spout may also be hinged on the retaining-rod d.

Whenever it is desired to thoroughly cleanse the strainer and the parts which support it, the retaining-rod d is first withdrawn, when the several parts may be readily separated and washed.

Having thus described my invention, I claim—

1. The combination with a pail having an opening and a frame secured to said pail about said opening and formed with a rib surrounding said opening, of a spout, a frame to which said spout is secured having a groove receiving said rib, and means interengaging with said frame for locking the spout thereto.

2. The combination with a pail and a light metallic frame secured thereto and surrounding the opening therein, said frame being formed with a rib surrounding the opening and an undercut opening at the lower portion of said frame, of a spout, a frame to which the same is secured, said frame being formed with a groove receiving said rib and the lower portion of the spout-frame provided with an extension adapted to hook into said undercut opening.

3. The combination with a pail and a light metallic frame secured thereto and surrounding the opening therein, said frame being formed with a rib surrounding the opening and an undercut opening at the lower portion of said frame, of a spout, a frame to which the same is secured, said frame being formed with a groove receiving said rib and the lower portion of the spout-frame provided with an extension adapted to hook into said undercut opening, the upper portion of the spout-frame being provided with hook-shaped extensions

and the frame on the pail formed with notches adapted to lie in the same horizontal plane as said extensions.

4. The combination with a pail and a light metallic frame secured thereto and surrounding the opening therein, said frame being formed with a rib surrounding the opening, an undercut opening at the lower portion of said frame, of a spout, a frame to which the same is secured, said frame being formed with a groove receiving said rib and the lower portion of the spout-frame provided with an extension adapted to hook into said undercut opening, the upper portion of the spout-frame being provided with hook-shaped extensions and the frame on the pail formed with notches adapted to lie in the same horizontal plane as said extensions, and a removable retaining-rod engaged between said notches and hook-shaped extensions.

Signed at Norwich, Connecticut, this 12th day of March, 1903.

CLARENCE P. CAPRON.

Witnesses:

FRANK H. ALLEN,

FRANK S. DEWIRE.