

J. A. CORNELL.
MILK PAIL.
APPLICATION FILED MAR. 24, 1908.

898,971.

Patented Sept. 15, 1908.

Fig. 1.

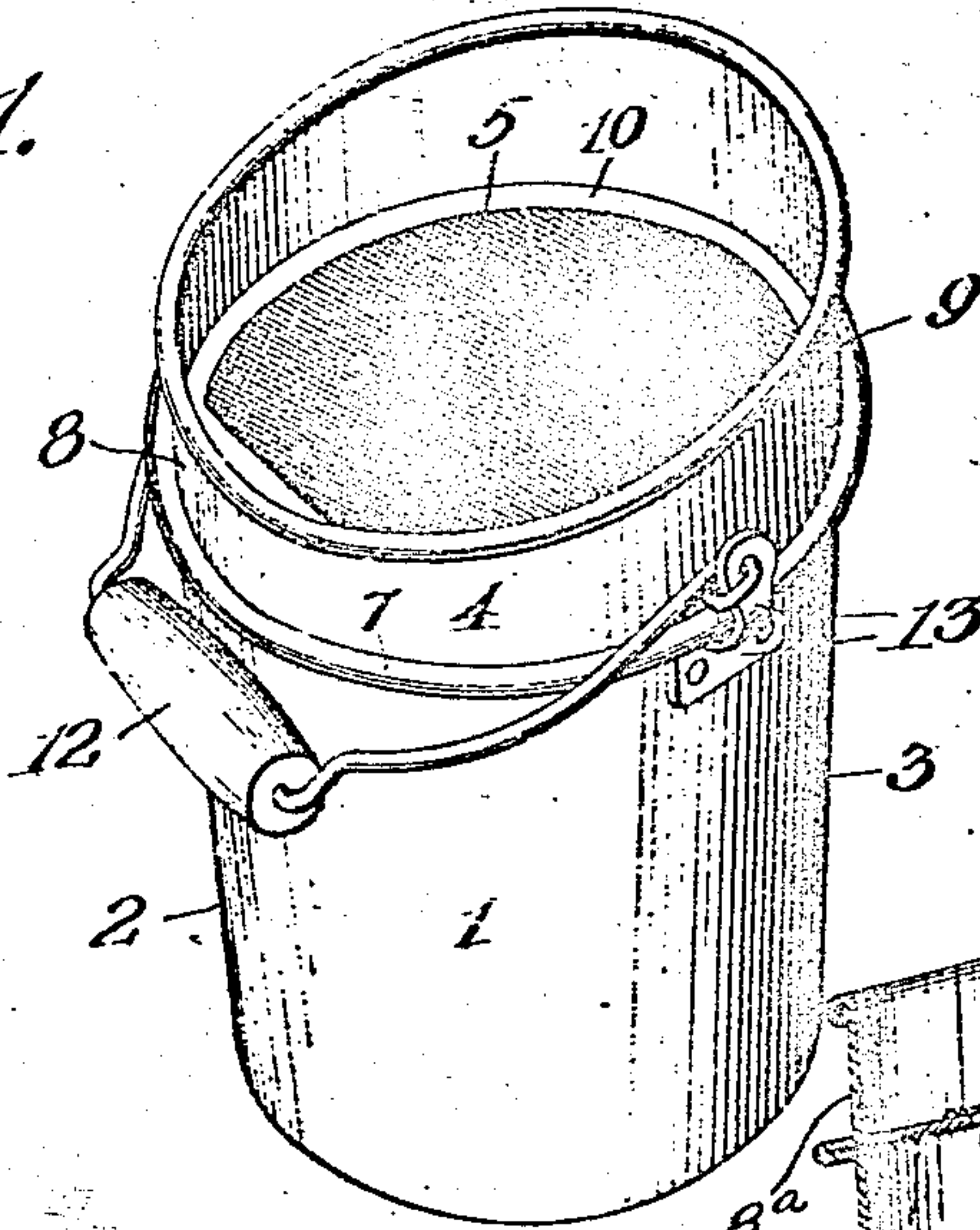


Fig. 4.

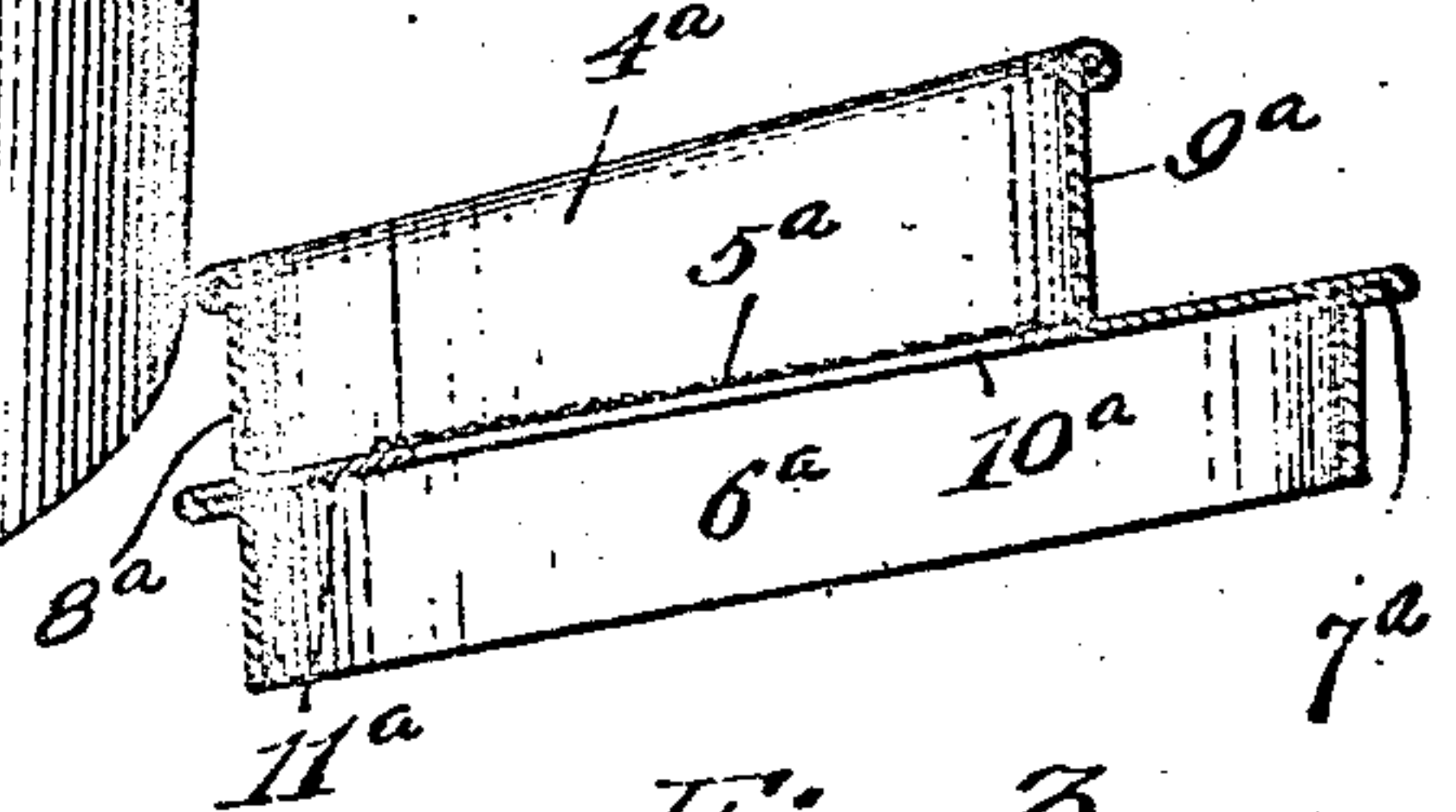


Fig. 2.

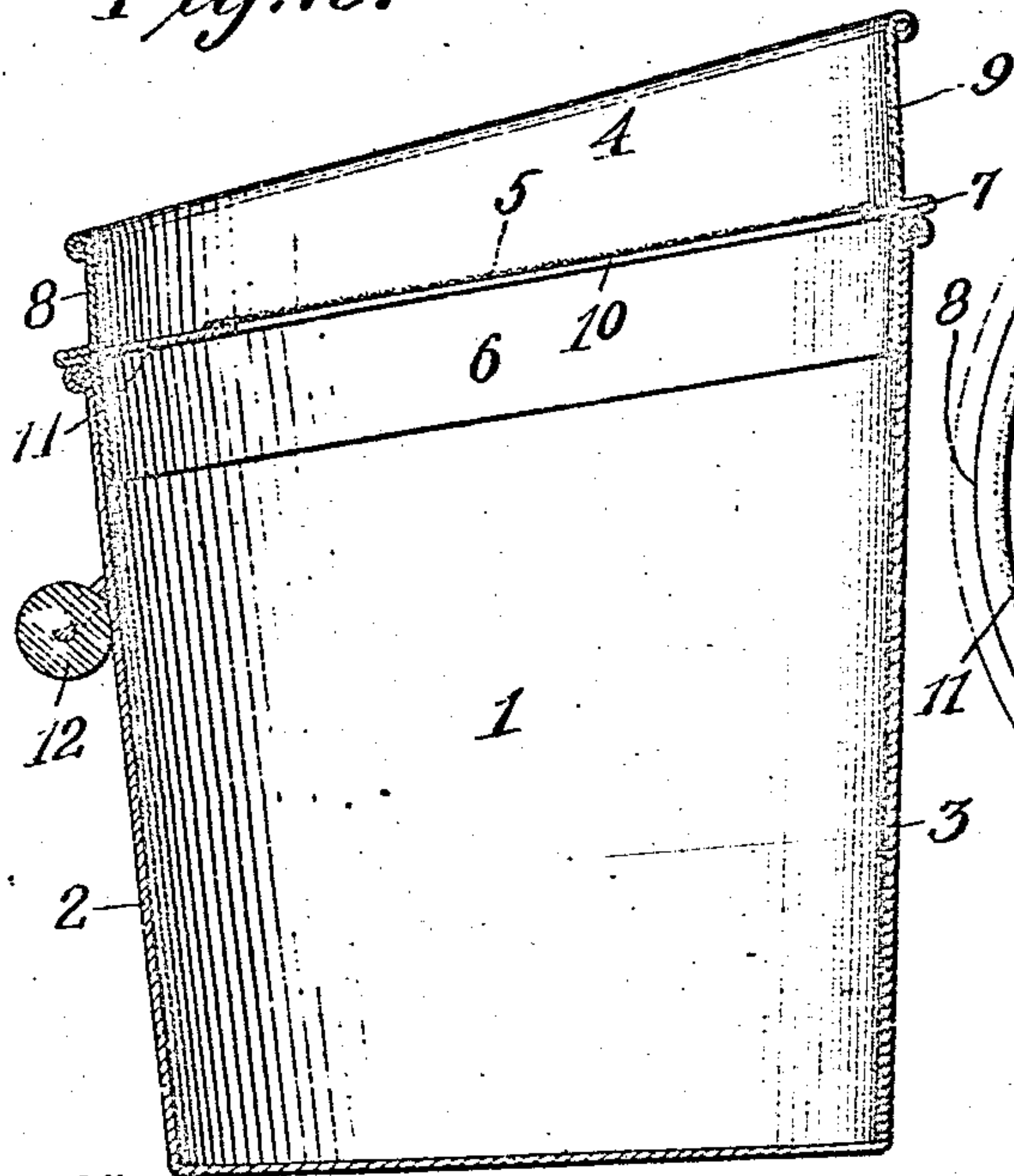
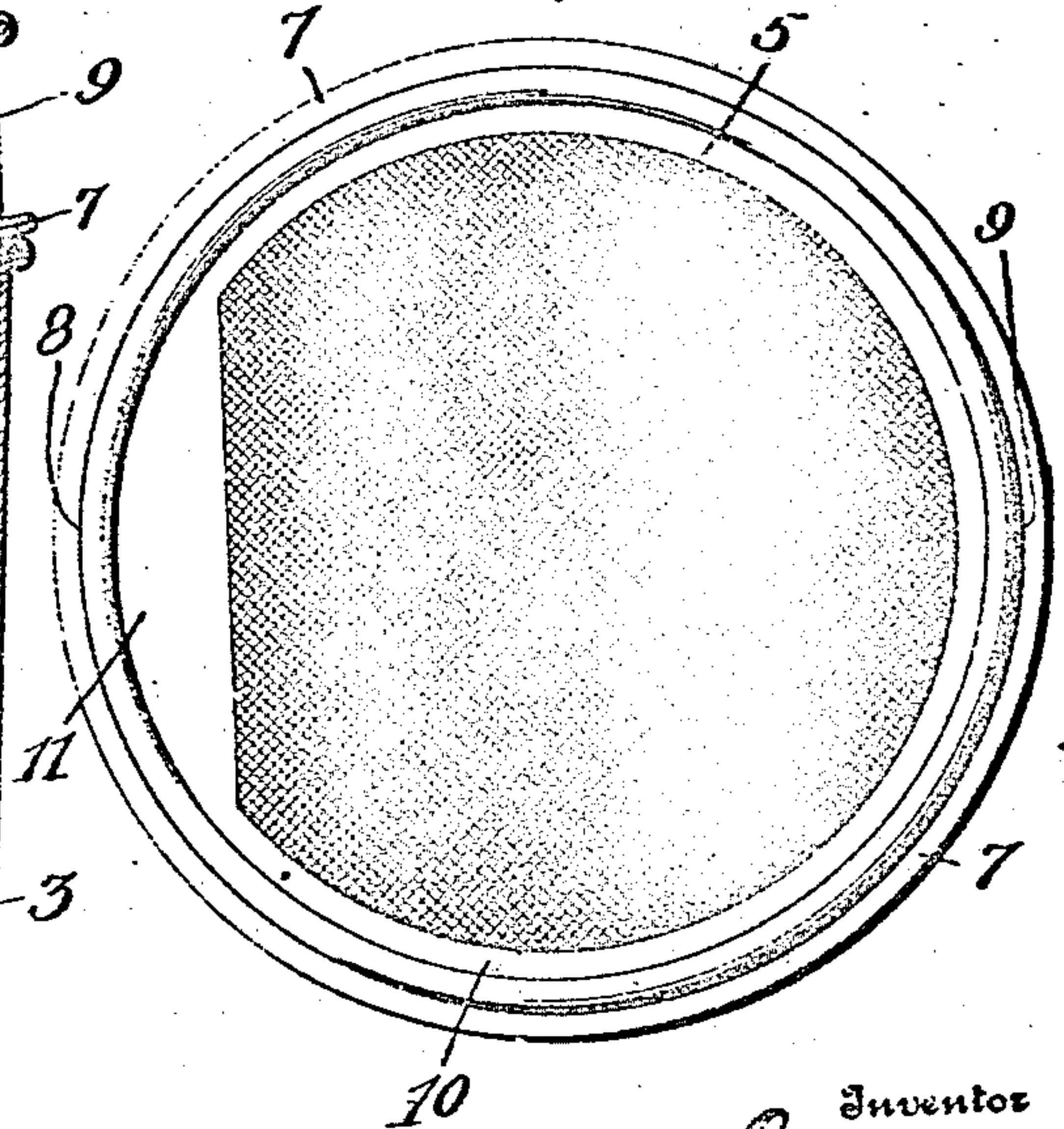


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

JOSEPH A. CORNELL, OF YOUNGS, NEW YORK.

MILK-PAIL.

No. 898,971.

Specification of Letters Patent.

Patented Sept. 15, 1908.

Application filed March 24, 1908. Serial No. 422,979.

To all whom it may concern:

Be it known that I, JOSEPH A. CORNELL, a citizen of the United States, residing at Youngs, in the county of Delaware and State of New York, have invented certain new and useful Improvements in Milk-Pails, of which the following is a specification, reference being had to the accompanying drawings.

10 My invention relates to improvements in milk pails; and its object is to provide one which will be simple, dirt proof and capable of being easily cleaned.

15 With the above and other objects in view, as will hereinafter appear, the invention consists of the novel features of construction and the combination and arrangement of parts hereinafter fully described and claimed, and illustrated in the accompanying drawings, in 20 which

Figure 1 is a perspective view of my improved milking pail; Fig. 2 is a vertical sectional view; Fig. 3 is a plan view of the removable strainer or top; and Fig. 4 is a 25 vertical section through a slightly modified form of my improved cover.

My improved milking pail comprises a body or receptacle 1 having its open top inclined upwardly from its front side 2 to its 30 rear side 3 so that the latter is of greater height than the front of the pail. This inclined or angular top is adapted to receive a removable combined cover and strainer 4 composed of an annular ring covered with 35 wire gauze 5 or any other suitable straining material and having a depending annular flange 6 to snugly fit in the open top of the pail or receptacle 1. An annular outwardly projecting flange or bead 7 is formed upon 40 the ring 4 at the top of the flange 6 to rest upon the upper edge of the pail and support the cover or strainer. The ring 4 has its top inclined upwardly from its front 8 to its rear side 9 so that said ring is of gradually increasing 45 width from its front to its rear. The straining material or fabric 5 is soldered or otherwise secured to an inwardly extending annular flange 10 provided within the ring 4, and said flange 10 is formed at the front side 50 of the ring with a broad portion 11 adapted to form within the cover or strainer a pocket for the collection of dirt.

In using the invention, the cover or strainer is placed in the top of the receptacle or pail 55 body with the high rear portion 9 of the ring at the high rear portion 3 of the receptacle

and in milking a cow the rear or back portion of the pail is disposed toward the operator. The milk is milked directly onto the strainer 5 and will pass through the same without 60 spattering or waste. It will be seen that when the cover or strainer is placed upon the pail in this manner, the woven wire fabric or gauze 5 will effectively prevent the entrance of dirt into the pail and owing to the down- 65 ward and forward inclination of the fabric or gauze, any particles of dirt falling upon the same will roll down to the front edge of the cover and into the pocket formed by the flange or plate 11, thus effectively preventing 70 dirt from entering the milk and dissolving therein. It will be noted that the device is exceedingly simple in construction so that it may be produced at a comparatively small cost and may be quickly and easily cleaned: 75 The provision of the strainer in the top not only renders the pail dirt proof but also serves to strain the milk as it enters the pail so that it need not be subsequently strained.

The pail is preferably provided with a bail 80 handle 12 connected to ears 13 upon opposite sides of the pail.

In Fig. 4 of the drawings I have shown the upright ring 9^a of less diameter than the cover, the latter consisting of the flange 6^a, 85 the bead or flange 7^a and the flange 10^a which is in the form of a disk or plate having its portion within the ring 9^a formed with an opening covered by the straining material or fabric 5^a. The portion of the flange or disk 10^a located at the lower part of the cover is also 90 solid as shown at 11^a to provide a dirt collecting pocket.

From the foregoing it will be seen that I may make the cover to fit a pail of any size 95 and may have a strainer and guard ring of the same or less size than the cover.

Having thus described my invention what I claim is:

1. A milk pail comprising a receptacle having the edge of its open top disposed in a plane inclined upwardly from front to rear, a removable cover upon the top of the pail and comprising a ring of increasing width or height from front to rear, a depending annular flange to enter the pail, an outwardly projecting annular shoulder to rest upon the upper edge of the pail, the inwardly extending annular flange 10 arranged within the cover ring in a downwardly and forwardly inclined plane and having the enlarged portion 11 at its lowermost or front side, and a flat 105 110

strainer secured to the flange 10 to cover the opening within the same, substantially as and for the purposes specified.

2. A milk pail cover comprising an up-
5 standing ring of gradually increasing width or height from front to rear, a depending annular flange to enter the pail, an outwardly projecting annular shoulder between said ring and flange and adapted to rest upon the
10 upper edge of the pail, the annular flange 10 arranged within the ring in a downwardly

and forwardly inclined plane and having the enlarged portion 11 at its lowermost point, and a flat strainer secured to the flange, substantially as and for the purposes specified. 15

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

JOSEPH A. CORNELL.

Witnesses:

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ELSIE M. YOUNG.