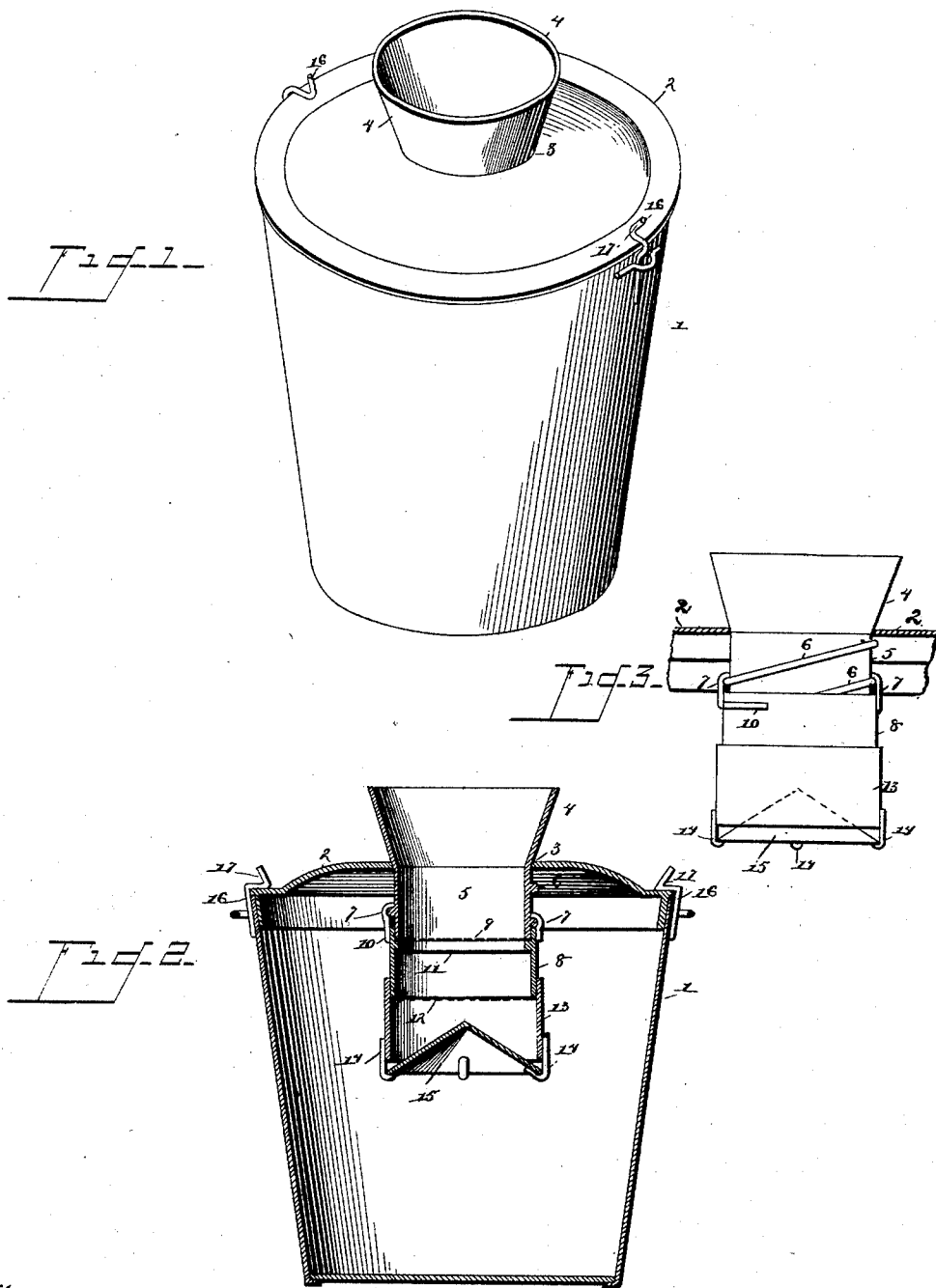


(No Model.)

A. PORTTENS.
MILK BUCKET.

No. 483,581.

Patented Oct. 4, 1892.



Witnesses

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UNITED STATES PATENT OFFICE.

ANSON PORTTENS, OF MARION, INDIANA.

MILK-BUCKET.

SPECIFICATION forming part of Letters Patent No. 483,581, dated October 4, 1892.

Application filed February 26, 1892. Serial No. 422,885. (No model.)

To all whom it may concern:

Be it known that I, ANSON PORTTENS, a citizen of the United States, residing at Marion, in the county of Grant and State of Indiana, have invented a new and useful Milk-Bucket, of which the following is a specification.

The invention relates to improvements in milk-buckets.

The object of the present invention is to simplify and improve the construction of strainer milk-buckets, and enable the parts to be readily separated for removing the strainer for cleaning or the like, and to provide an automatic valve to prevent the escape of the contents of the bucket should the latter be overturned.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

In the drawings, Figure 1 is a perspective view of a milk-bucket constructed in accordance with this invention. Fig. 2 is a central vertical sectional view. Fig. 3 is a detail sectional view.

Referring to the accompanying drawings, 1 designates a milk-bucket constructed in any desirable manner and having its upper end closed by a cover 2, provided with a central opening 3 and having secured upon its upper face a funnel 4, which registers with the central opening 3, and having depending from its lower face a tube 5. The tube 5, which is arranged within the bucket 1, is provided upon its outer face with a spirally-arranged wire 6, forming a thread or inclined way adapted to be engaged by vertically-projecting hooks 7 of a cylindrical strainer-section 8, which is adapted to be screwed on or off the tube 5 by the hooks 7 engaging and disengaging the spiral wire 6 to permit a strainer 9 to be readily removed for the purpose of cleaning, mending, or the like. The hooks 7 are constructed of wire and have horizontal shanks 10 soldered or similarly secured to the outer face of the strainer-section 8, near the upper edge thereof, and when the strainer-section is secured to the tube 5 the lower end of the latter engages the circular strainer 9 and holds it tightly in its seat formed by a

shoulder 11 on the inner face of the strainer-section. In order to further strain the milk, a cloth 12 is placed across the lower end of the strainer-section and is secured thereto by a cylindrical valve-section 13, that fits upon the strainer-section and is itself held in place by the friction caused by the cloth 12. The lower end of the strainer-section 13 is provided with series of depending hooks 14, constructed of wire and soldered or otherwise secured to the valve-sections, and adapted to retain a conical valve 15 at the lower end of the valve-section. When the milk-bucket is in a vertical position, the conical check-valve 15 rests upon the hooks and leaves an opening between it and the lower end of the strainer-section to permit milk to pass freely to the bucket; but should the milk-bucket be overturned the conical valve will be closed by the liquid and the contents of the bucket will not be allowed to escape. The depending hooks 14 have sufficient spring to enable them to be readily withdrawn from the valve to release the latter and to resume their former positions, and also to be sprung aside to allow the valve to be inserted in place. By this construction the valve can be readily removed for cleaning. The cover 2 is retained in place by spring-catches 16, that engage the edge of the cover and are secured to the sides of the bucket, and are provided with upward and outward projecting ends 17, that form beveled portions adapted to be readily engaged by the cover to spring the hooks or catches outward and permit the cover to be placed upon the bucket without withdrawing the catches by hand. After the cover has been placed in position the resiliency of the metal will force the catches inward and into engagement with the cover, and the latter will be securely retained in place.

From the foregoing description and the accompanying drawings the construction, operation, and advantages of the invention will readily be understood.

What I claim is—

The combination, with the milk-bucket 1, of the cover provided with a central opening, the funnel arranged upon the upper face of the cover, the depending tube 5, having the spiral wire 6 secured to its outer face and

forming a thread, the strainer-section provided with hooks 7, arranged to engage the spiral wire, the removable strainer arranged within the strainer-section, the cloth covering
5 the lower end of the strainer-section, the valve-section arranged upon the strainer-section and securing the cloth thereto and provided with depending hooks, and the conical valve secured in place by the hooks and
10 adapted to close the lower end of the valve-

section when the bucket is overturned, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

ANSON PORTTENS.

Witnesses:

J. LEVI LORD,

S. B. NICKUM.