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PATENTED NOV. 6, 1906.

E. E. KINNEY.
MILK STOOL AND PAIL HOLDER.

APPLICATION FILED JUNE 11, 1906.

Fig. 2.

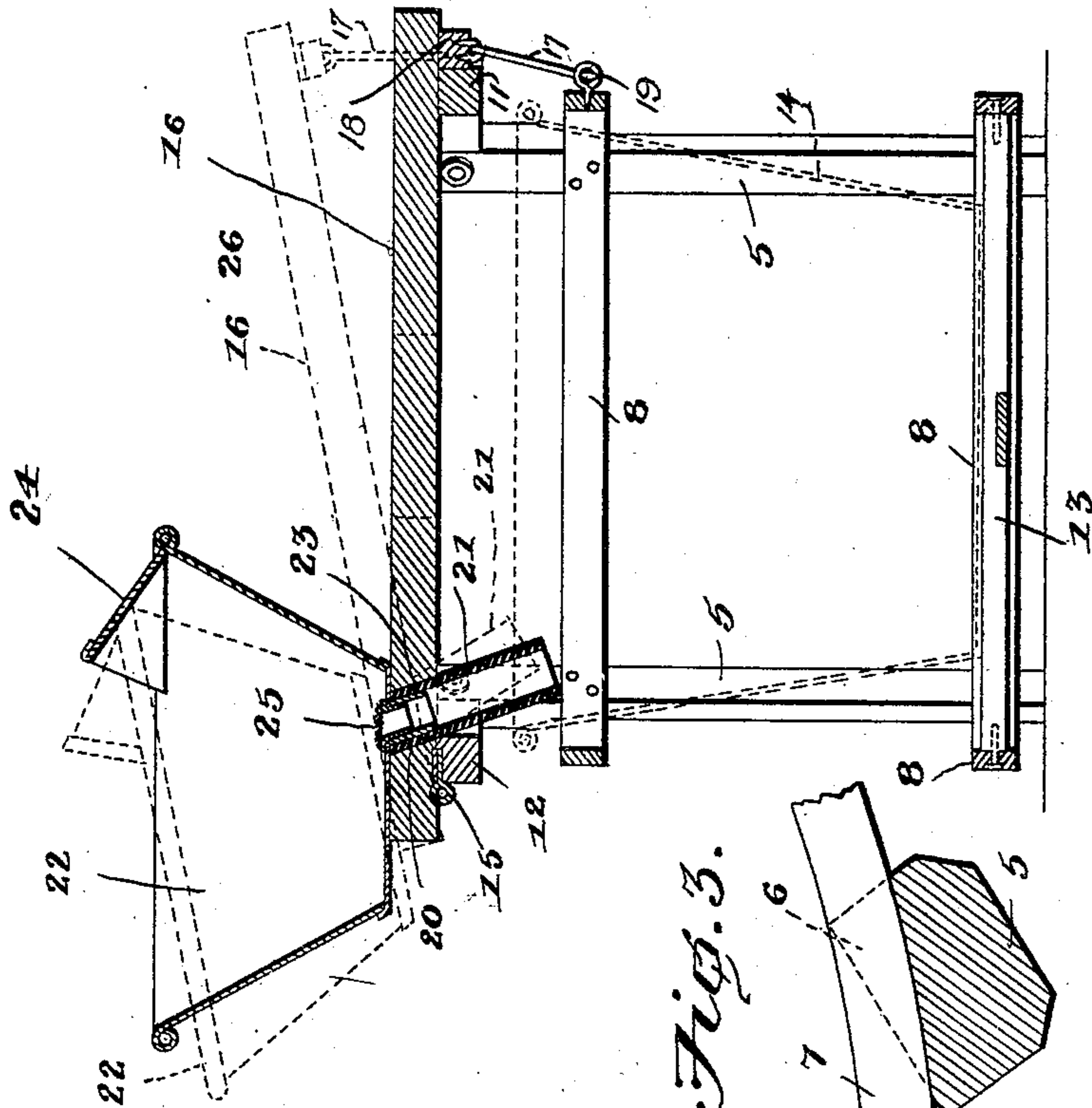
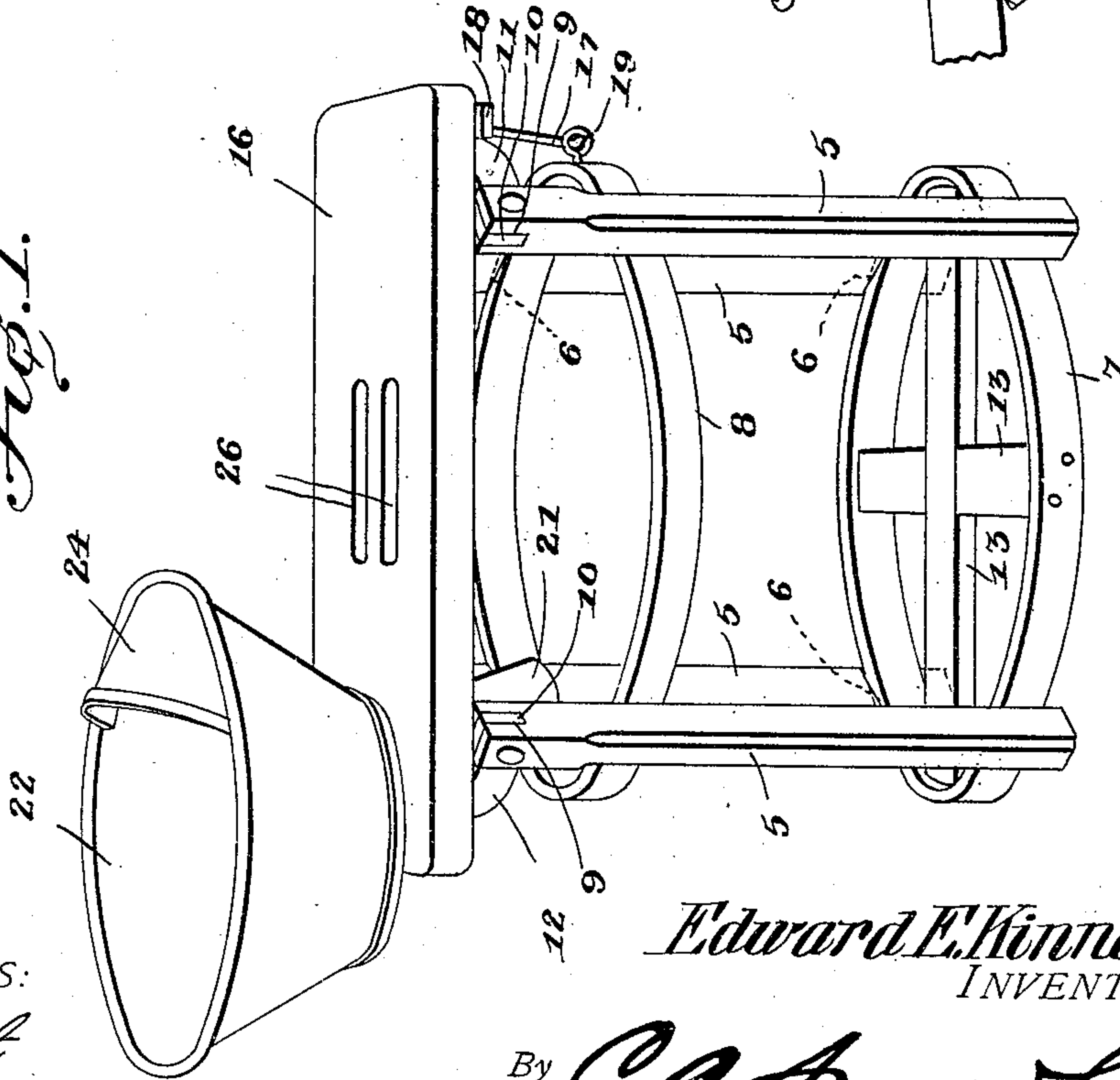


Fig. 3.

Fig. 1.



WITNESSES:

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EDWARD E. KINNEY, OF TIFFIN, OHIO, ASSIGNOR TO MINNIE E. JOHNSON, OF TIFFIN, OHIO.

MILK-STOOL AND PAIL-HOLDER.

No. 835,438.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, EDWARD E. KINNEY, a citizen of the United States, residing at Tiffin, in the county of Seneca and State of Ohio, have invented a new and useful Milk-Stool and Pail-Holder, of which the following is a specification.

This invention relates to combined milk-pail holders and stools, and has for its object to provide a comparatively simple and inexpensive device of this character which serves the dual purpose of a milking-stool and a holder or receptacle for the milk-pail.

A further object of the invention is to provide a stool the seat of which is pivoted and forms a closure for the top of the milk-pail, so as to prevent an unruly cow from upsetting the pail and spilling or otherwise wasting the milk.

A further object is to provide an auxiliary can or milk-receiver having a depending tube or extension which pierces the seat of the stool and communicates with the milk-pail, said receiver and tube being moved to inoperative position when the seat of the stool is elevated, thereby to permit the removal of the milk-pail.

A still further object of the invention is to generally improve this class of devices, so as to increase their utility, durability, and efficiency, as well as to reduce the cost of manufacture.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, and illustrated in the accompanying drawings, it being understood that various changes in form, proportions, and minor details of construction may be resorted to within the scope of the appended claims.

In the accompanying drawings, forming a part of this specification, Figure 1 is a perspective view of a combined milking-stool and pail-holder constructed in accordance with my invention. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is a detail sectional view of one of the uprights or standards comprising the supporting-frame.

Similar numerals of reference indicate corresponding parts in all of the figures of the drawings.

The improved device consists of a supporting-frame comprising a plurality of spaced

uprights or standards 5, provided with transverse recesses 6 for the reception of spaced connecting rings or hoops 7 and 8. The standards 5 are extended above the upper supporting ring or hoop 8 and are each provided with a mortise 9, adapted to receive the tenon 10, formed on the adjacent end of the segmental braces or supports 11 and 12. Extending transversely across the lower ring or hoop 7 are intersecting braces 13, adapted to form a support for the pail or other milk-containing receptacle, (indicated at 14 by dotted lines in Fig. 2 of the drawings.) Pivotally mounted, as by a hinge 15, on the segmental brace 12 is a board 16, which forms the seat of the stool and also serves as a closure for the milk-pail when the seat is in a lowered or operative position, said seat being locked in operative position by means of a hook 17, pivoted to a transverse bar 18 on the bottom of the seat and engaging an eye or loop 19, secured in any suitable manner to the upper ring or hoop 8.

The seat 16 is provided with an inclined opening or aperture 20, in which is seated a flexible tube or hose 21, which forms a source of communication between an auxiliary milk receiver or pail 22 and the pail 14. The milk-receiver 22 is supported on the seat 16 and is provided with a depending extension or tube 23, which engages the interior walls of the flexible tube 21 and serves to hold the receiver in position on the stool. The receiver 22 is preferably formed with an upwardly-curved guard 24 and also with a detachable strainer 25, seated within the tube 23, whereby the milk may be strained before entering the pail 14. The seat 16 is formed with a pair of spaced finger-openings 26, by means of which the stool may be conveniently grasped when it is desired to transport the latter from place to place.

In operation the seat or closure 16 is moved laterally to elevated position and the pail 14 introduced between the standards and supported on the transverse bars 13, after which the cover is moved to closed position and fastened by means of the hook 17. In order to remove the pail, it is merely necessary to release the hook 17 and elevate the seat 16, when the pail may be readily detached. It will thus be seen that the member 16 not only forms a seat for the stool, but also serves as a closure for the pail 14, thus

preventing an unruly cow from upsetting the pail and spilling or otherwise wasting the milk.

Attention is called to the fact that the receiver 22 and flexible tube 21 are secured to and carried by the stool-seat, so that when the latter is elevated the pail 14 may be readily removed from the holder and the receiver and tube locked against accidental displacement during the opening and closing movement of the stool-seat. It will also be observed that by reason of the finger-pieces 26 the stool, together with the pail, may be conveniently transported from place to place.

By having the sides of the supporting-frame open the milk may be readily transferred from the pail into a suitable receptacle by simply tilting the frame and without the necessity of first elevating the cover, the hood 24 serving to prevent any particles of foreign matter in the strainer or auxiliary receptacle from dropping in the milk-receptacle during the pouring operation.

The seat 16 not only forms a closure for the milk-pail, but effectually prevents the cow from putting her foot into the pail or from switching her tail into the milk, thus keeping the milk pure and free from dirt.

The strainer and conducting-tube may be quickly detached, so as to permit the same to be readily cleaned when necessary, thereby rendering the device extremely sanitary.

The improved device may be made in different sizes and shapes and formed of wood, metal, or other suitable material.

Having thus described the invention, what is claimed is—

1. A device of the class described comprising a plurality of spaced uprights having transverse recesses formed therein, upper and lower hoops seated in said recesses and forming a receptacle for the reception of a

pail, said uprights being extended above the upper hoop and connected by segmental braces, intersecting bars extending transversely of the lower hoop and forming a support for the pail, a cover pivotally mounted for swinging movement on the frame and adapted to rest on the segmental braces, a receptacle engaging the cover, a tube extending through the cover and forming a source of communication between the receptacle and pail, and means for locking the cover in closed position.

2. A device of the class described comprising a frame consisting of spaced uprights the upper ends of which are provided with mortises, hoops connecting the uprights and forming a chamber for the reception of a milk-pail, means carried by one of the hoops for supporting the milk-pail, segmental braces spaced from the adjacent hoop and provided with terminal tenons adapted to engage the mortises in the uprights, a cover pivoted to one of the segmental braces and adapted to engage the adjacent brace when the cover is moved to closed position, an auxiliary receptacle seated on the cover, a tube piercing the cover and forming a source of communication between the auxiliary receptacle and milk-pail, a stop secured to the free end of the cover and adapted to engage the adjacent segmental brace, an eye secured to one of the hoops, and a hook carried by the stop and adapted to engage the eye for locking the cover in closed position.

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

EDWARD E. KINNEY.

Witnesses:

CALVIN D. SPITLER,
GERTRUDE E. OPT.