

C. S. SICK.
PAIL HOLDER.
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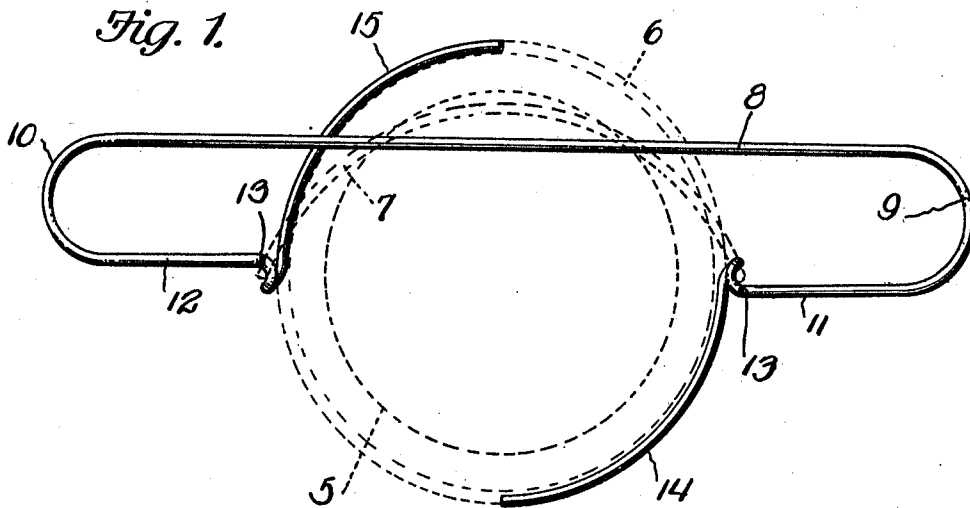
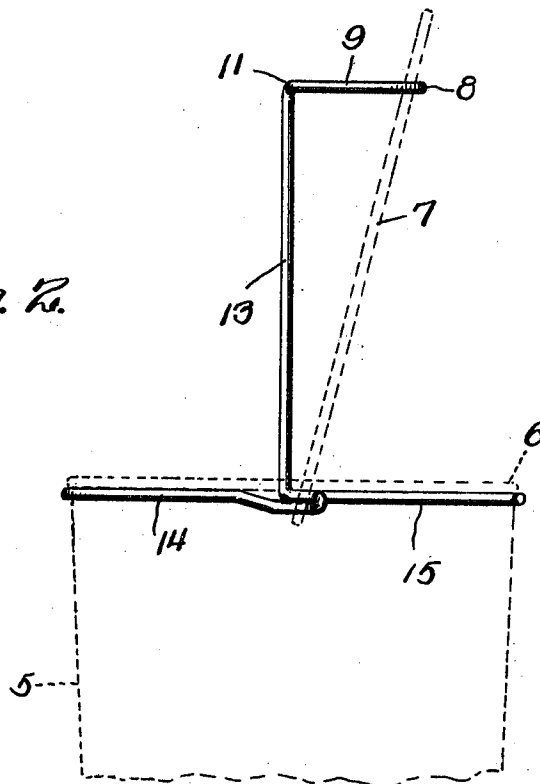


Fig. 2.



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PAIL-HOLDER.

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To all whom it may concern:

Be it known that I, CHARLES S. SICK, a citizen of the United States, residing at Dushore, in the county of Sullivan and State of Pennsylvania, have invented new and useful Improvements in Pail-Holders, of which the following is a specification.

This invention relates to improvements in pail holders and more particularly to the type known as milk pail holders, such as are employed for holding the pail below the udder of a cow during the milking operation.

One object of the invention is the provision of a holder which may be readily attached to and detached from a milk pail, said holder being provided with means to frictionally engage the pail and further provided with means to bear on the limbs of the operator in such position that the pail will be disposed in the usual manner directly beneath the udder of the cow.

With these and other objects in view, which will more fully hereinafter appear, the present invention consists in certain novel details of construction and arrangement of parts, hereinafter fully described, illustrated in the accompanying drawings and more particularly pointed out in the appended claims, it being understood that various changes in the form, proportion, size, and minor details of the device may be made, within the scope of the appended claims, without departing from the spirit or sacrificing any of the advantages of the invention.

Figure 1 is a plan view of the device showing the pail in dotted lines and held by the device. Fig. 2 is an end elevation of the device showing a pail in dotted lines and held thereby.

Similar numerals of reference are employed to designate corresponding parts throughout.

The pail in which my device is to be employed may be of any well-known construction, as shown at 5 in the drawings, said pail having at its upper end and on the exterior surface thereof the usual bead 6 and further provided with the bail 7. The holder as herein shown is preferably to be formed of a single piece of stout steel wire of suitable length and of sufficient gage to effectively hold a filled pail suspended without undue bending. What will subsequently be termed the body portion of the holder is

designated by the numeral 8, said body being perfectly straight and comprising the medial portion of the wire. The length of the body will be considerably greater than the diameter of the pail and its opposite ends terminate in oppositely extending curvatures designated by the numerals 9 and 10, the curvatures being directed toward the middle of the body and terminating in oppositely extending arms 11 and 12 arranged parallel with the body 8 and extending to points equidistant from a line drawn through the middle of the body 8. The arms 11 and 12 terminate in hangers 13 extending vertically downward, the said hangers terminating in quadrantal clamp arms 14 and 15 arranged perpendicular to the hangers 13 extending in the same direction.

The distance between the hangers 13 will be somewhat less than the diameter of the ordinary milk pail and it will therefore be evident that a circle described by lines drawn from the extremities of the clamp arms 14 and 15 will be likewise of less diameter than the diameter of an ordinary milk pail, thus when the clamp arms 14 and 15 are sprung outwardly and the pail placed therebetween, upon release of the arms they will move into engagement with the surface of the pail and when positioned to bear on the bead 6 will hold the pail clamped. Thus when the arms 11 and 12 and end portions of the body 8 bear on the limbs of the operator, while the latter is in sitting position it will be seen that the pail will be supported above the ground and may be held in proper position beneath the udder of the cow to receive the milk. The space between the body portion 8 and upper end of the pail will be somewhat less than the height of the arc described by bail when the latter is in raised position and by virtue of the position of the body 8 on one side of the center of the pail it will be seen that the bail may be raised on the body and to a position to be readily grasped by the operator whenever desired.

From the foregoing, it is evident that I have provided a device which is comparatively simple in structure and inexpensive in manufacture, embodying few parts and these so arranged that the danger of derangement will be reduced to a minimum.

I claim:—

1. A milk pail holder comprising a body, hangers depending from points on either side of the middle of the body, and a pail

of clamp arms at the lower ends of said hangers adapted to embrace the body of a pail and bear on the bead thereof.

2. A milk pail holder comprising an ob-
5 long body, hangers depending from the body and located at points between the middle and opposite ends of the body, and a pair of resilient quadrantal-shaped clamp arms at the lower ends of the hangers adapted to em-

brace the body of the pail and bear on the 10 bead thereof.

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

CHARLES S. SICK.

Witnesses:

ELSIE W. MOYER,
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