

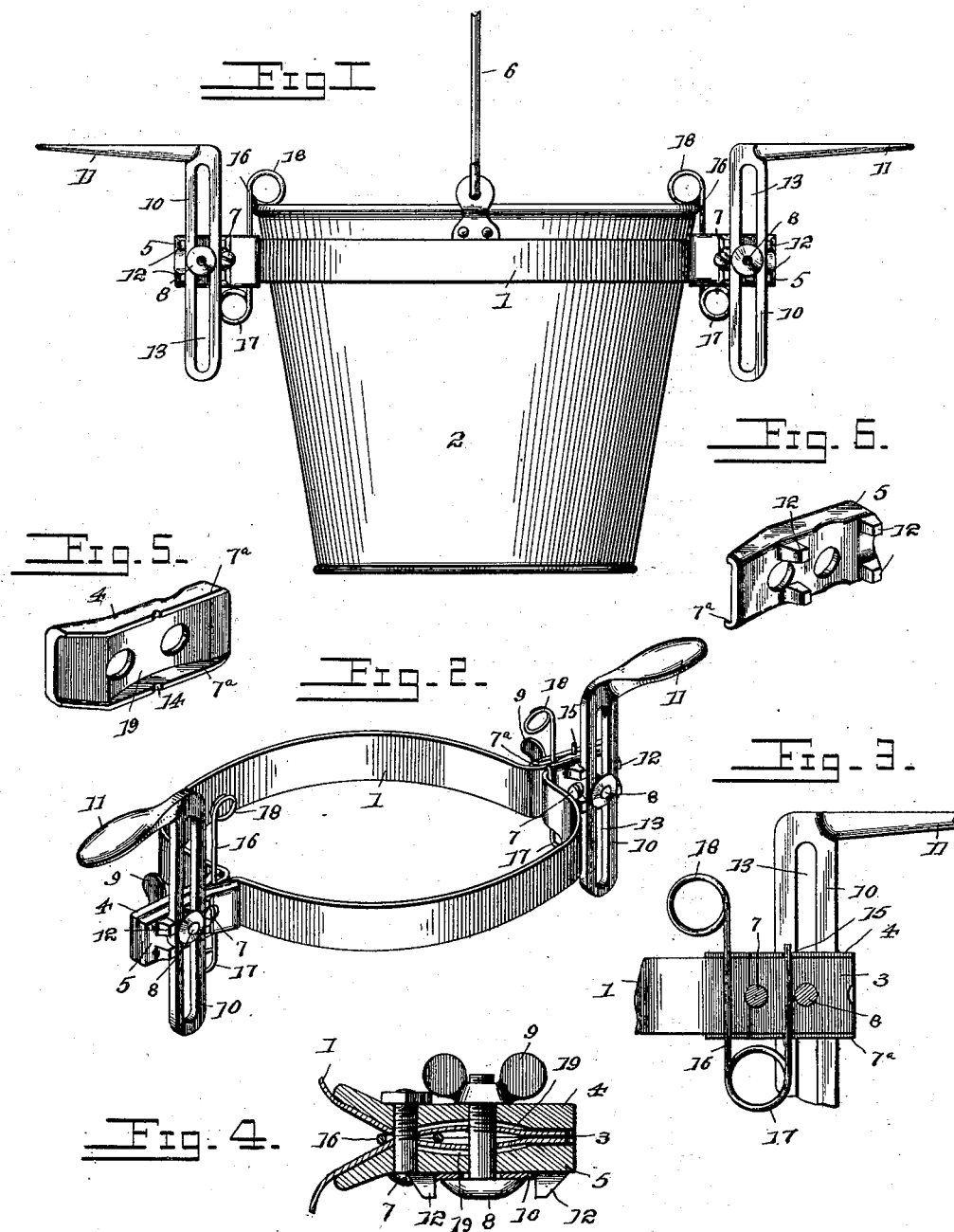
No. 648,469.

Patented May 1, 1900.

W. H. TAYLOR.
MILK PAIL HOLDER.

(Application filed June 23, 1899.)

(No Model.)



Witnesses
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By his Attorneys,

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UNITED STATES PATENT OFFICE.

WILLIAM H. TAYLOR, OF KEWANEE, ILLINOIS.

MILK-PAIL HOLDER.

SPECIFICATION forming part of Letters Patent No. 648,469, dated May 1, 1900.

Application filed June 23, 1899. Serial No. 721,600. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. TAYLOR, a citizen of the United States, residing at Kewanee, in the county of Henry and State of Illinois, have invented a new and useful Milk-Pail Holder, of which the following is a specification.

The invention relates to improvements in milk-pail holders.

One object of the present invention is to improve the construction of milk-pail holders and to provide a simple, inexpensive, and efficient device adapted to suspend a milk-pail between the knees of the operator to hold the same in convenient position to receive the milk and capable of ready adjustment to support the pail at the desired elevation.

A further object of the invention is to provide a device of this character adapted to be readily applied to a milk-pail and being capable of being quickly detached from the same.

Furthermore, the invention has for its object to provide means for securing the milk-pail holder to a milk-pail, so that the latter may be carried by its bail.

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 claims hereto appended.

In the drawings, Figure 1 is an elevation of a milk-pail holder constructed in accordance with this invention and shown applied to a milk-pail. Fig. 2 is a perspective view of the device detached. Fig. 3 is a vertical sectional view of one side of the device. Fig. 4 is a horizontal sectional view of the same. Figs. 5 and 6 are detail perspective views of the clamping-plates.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a hoop or band adapted to encircle a milk-pail 2 near the upper edge thereof and composed of two semicircular sections having their terminals 3 extended outward to form arms and arranged between clamping-plates 4 and 5, disposed in pairs at opposite sides of the milk-pail, which is provided with the ordinary bail 6. The clamping-plates 4 and 5 are provided at their upper, lower, and outer edges with marginal flanges

7, forming interior recesses for the reception of the arms 3 of the sections of the bail, and the said plates are provided with registering perforations of inner and outer bolts 7 and 8, which extend through perforations of the said arms 3. The outer bolt of each pair of clamping-plates is provided with a winged nut 9, and it passes through a depending vertical shank 10 of an outwardly-extending horizontal arm 11, arranged at each side of the milk-pail, and these arms, which are disposed horizontally, are adapted to rest upon the knees of the operator, whereby the milk-pail is suspended therefrom and is supported in a convenient position to receive the milk. The plate 5 of each pair is provided at its outer face with inner and outer lugs or projections 12, arranged in pairs and located at the inner and outer edges of the shank 10, and the slot 13 thereof permits the shank to be moved vertically to adjust the supporting-arm 11 to the proper position relative to the upper edges of the pail, and when the nut 9 is tightened the L-shaped support formed by the arm and the shank is rigidly secured to the hoop or band. By this construction the pail may be raised and lowered between the legs of the operator, so that it will rest entirely clear of the ground.

The upper and lower flanges of the clamping-plates 5 are provided with notches 14, adapted to receive the outer sides 15 of substantially U-shaped springs 16, which are provided at their bottoms or bends with spring-coils 17 and which have engaging coils 18 located at the upper terminals of their inner sides and adapted to spring over the upper edges of the pail, whereby the device is securely locked on the same and is supported in such a manner that the pail and the milk-pail holder may be carried by the bail 6. The outer sides 15 of the springs are clamped between the plates, which have their inner portions 19 diverging to provide a space or recess for the reception of the inner sides of the springs, whereby the latter are adapted to be moved inward and outward to engage their upper coils 18 with the upper edges of the pail and to disengage them therefrom. The upper coils form convenient shoulders for engaging the upper edge of the pail, which lies in the recess between the coil 18 and the

inner side of the spring, and the said coils 18 are adapted to be readily grasped when it is desired to spring the same outward to remove the device from the pail.

- 5 The invention has the following advantages: The milk-pail holder, which is simple, inexpensive, strong, and durable, is adapted to be readily attached to and removed from a milk-pail, and it is capable of suspending
10 the latter between the knees of the operator to hold the pail in convenient position for receiving the milk. The L-shaped supports are vertically adjustable to arrange the pail at the desired elevation, and the spring-
15 catches which detachably secure the device to a pail enable the latter and the milk-pail holder to be carried by the bail of the pail.

Changes in the form, proportion, size, and the minor details of construction within the
20 scope of the appended claims may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

What is claimed is—

- 25 1. A milk-pail holder comprising a hoop or band composed of sections having outwardly-extending arms formed by bending their terminals outward, catches mounted between the arms, and supports secured to the latter,
30 substantially as described.
2. A milk-pail holder comprising a hoop or band provided with supports to rest upon the knees of the operator, and composed of sections having their terminals bent outward to
35 form arms, catches arranged between the arms and adapted to engage the upper edge of a receptacle, and fastening devices connecting the arms and securing the catches in position, substantially as described.
- 40 3. A milk-pail holder comprising a hoop or

band composed of sections having outturned ends, clamping-plates engaging the said ends, and supports mounted on the clamping-plates, substantially as described.

4. A milk-pail holder comprising a hoop or
45 band composed of sections having outturned ends, clamping-plates provided at their edges with marginal flanges receiving the ends of the hoop or band, lugs extending from the clamping-plate, and supports having shanks
50 adjustably secured to the plates and arranged between the lugs, substantially as described.

5. A milk-pail holder comprising a band having outbent terminals forming arms, a fastening device connecting the arms, and
55 the substantially U-shaped spring operating between the arms of the band and having one side secured to the same by the said fastening device, the other side of the spring being provided at its upper end with a coil ar-
60 ranged to engage over the upper edge of the milk-pail, substantially as described.

6. A milk-pail holder comprising a hoop or band composed of sections having outturned ends, clamping-plates arranged in pairs at
65 opposite sides of the said ends and forming recesses at their inner terminals, substantially U-shaped springs having their outer sides arranged between the plates, the inner
70 sides of the springs operating in the said recesses and arranged to engage the upper edges of a receptacle, and supports mounted on the plates, substantially as described.

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

WILLIAM H. TAYLOR.

Witnesses:

GEO. F. WILSON,
LAURA M. WILSON.