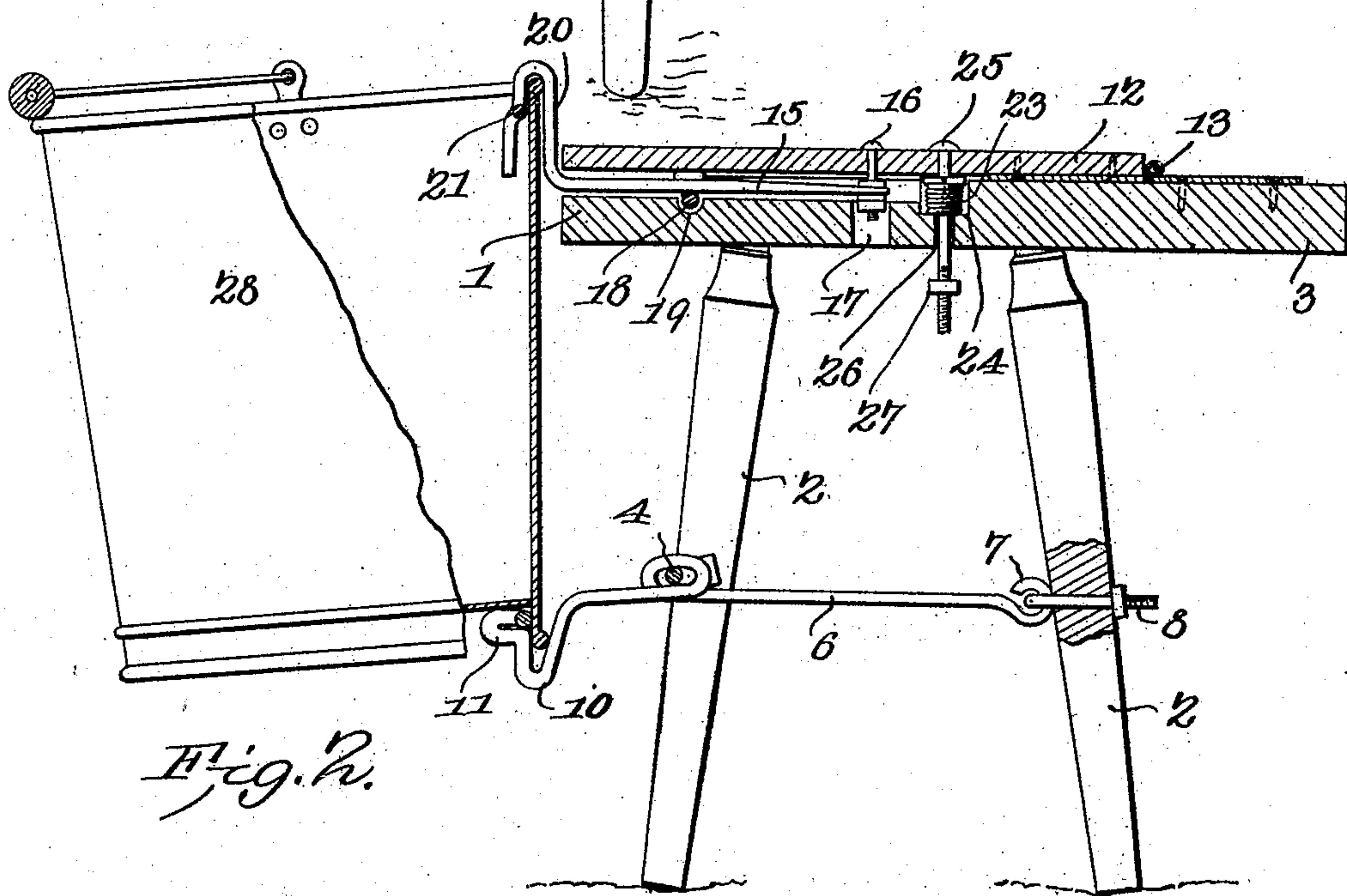
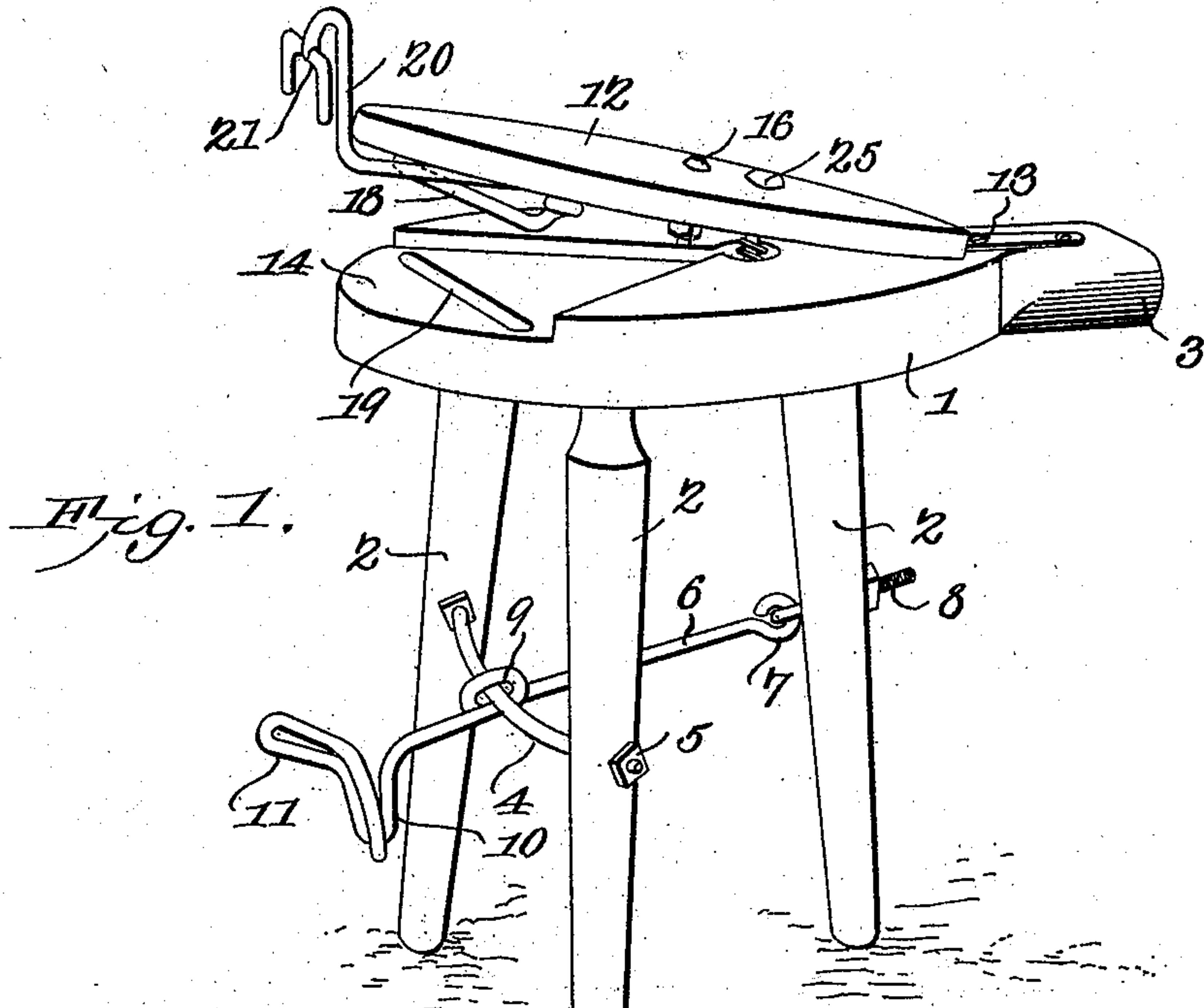


No. 815,425.

PATENTED MAR. 20, 1906.

M. T. HAMILTON.  
MILKING STOOL.

APPLICATION FILED NOV. 8, 1905.



Witnesses  
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# UNITED STATES PATENT OFFICE

MERRILL T. HAMILTON, OF NEWPORT, VERMONT.

## MILKING-STOOL.

No. 815,425.

Specification of Letters Patent.

Patented March 20, 1906.

Application filed November 8, 1905. Serial No. 286,399.

*To all whom it may concern:*

Be it known that I, MERRILL T. HAMILTON, a citizen of the United States, residing at Newport, in the county of Orleans and State of Vermont, have invented a new and useful Milking-Stool, of which the following is a specification.

This invention relates to milking-stools, and has for its object to provide the same with improved means for supporting a pail thereon in position to receive the milk and to enable the convenient release of the pail without necessitating the removal of fastening devices. In this connection it is proposed to make use of the weight of the operator for actuating the pail-holding devices, and thereby to immediately release the pail when the operator rises from the seat.

A still further object of the invention is to enable the convenient shifting of the pail from side to side without releasing the same from the stool and to enable the operator to use his knees for shifting the pail in the usual manner.

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

In the drawings, Figure 1 is a perspective view of a milking-stool equipped with the pail-holding means of the present invention. Fig. 2 is a longitudinal sectional view thereof with a milk-pail held thereon.

Like characters of reference designate corresponding parts in both of the figures of the drawings.

The present stool includes an ordinary seat 1 and supporting-legs 2, the seat being reduced and extended at its rear end to form a handle 3 for convenience in carrying the stool.

In carrying out the present invention a cross-bar 4 is provided between a pair of legs about midway of their ends, said bar preferably being of metal, with its ends piercing the legs and held thereon by nuts 5. To the other leg of the stool there is loosely connected an arm 6, which terminates at its rear end in a hook or eye 7, engaging an eyebolt 8,

piercing said other leg of the stool. The forward free end of the arm projects in front of the front legs and is twisted or otherwise provided with a loop or eye 9, slidably embracing the bar 4, so as to support the outer end of the arm and at the same time permit lateral swinging movement thereof. In front of the bar 4 the arm is provided with a depressed seat 10, preferably by bending the arm downwardly and then upwardly, and across the other side of the seat is a cross-head 11, which may be formed by bending the extremity of the bar back and forth transversely of the same.

Upon the top of the main seat 1 there is a supplemental seat 12, which is hinged to the back of the main seat, as at 13. The forward portion of the top of the main seat is cut away or provided with a recess 14 for the reception of pail-holding means carried by the under side of the supplemental seat. Upon the under side of the supplemental seat there is an arm 15, which has its rear end pivoted to the supplemental seat, as at 16, the main seat being provided with a socket or opening 17 to receive the lower end of the pivot 16 when the supplemental seat is depressed. The free portion of the arm 15 is supported by means of a yoke-shaped guard 18, carried by the under side of the supplemental seat and disposed transversely thereof, the recessed portion 14 of the main seat being provided with a transverse groove or socket 19 to receive the guard in the depressed position of the supplemental seat. The arm 15 projects in front of the seat and has an upstanding portion 20, rising above the seat and then turned downwardly, as at 21, for engagement with the top edge of a pail.

Normally the supplemental seat is supported in an elevated position, as in Fig. 1, by means of a helical spring 23, interposed between the two seats and received within a socket 24 in the main seat, there being a limiting device consisting of a bolt or pin 25, piercing and carried by the supplemental seat and also working through the spring 23 and an opening 26 in the main seat. A stop element 27 is provided upon the lower end of the pin or bolt 25 for engagement with the under side of the main seat to limit the upward movement of the supplemental seat.

In practice a milk-pail, such as shown at 28 in Fig. 2 of the drawings, is engaged with the holding devices by having its rim re-



ceived within the depressed seat 10, with the cross-head 11 engaging the inner side of the bottom flange of the pail, the upper pail-holding device being engaged over the rim of the pail when the operator seats himself, whereby the weight of the operator will hold the pail clamped between the upper and lower pail-holding devices in the usual position of the pail as when normally held between the knees of the operator. It will of course be understood that the pail is received between the knees of the operator in the usual manner, and by reason of the swinging mounting of the upper and lower pail holding or clamping members the pail may be shifted from side to side by the knees of the operator with the same ease as when the pail is held by the operator himself. Prior to rising from the seat the operator takes hold of the handle of the pail, and when he removes his weight from the seat the supplemental seat will be elevated by the spring 23 and the upper pail-holding element thereby disengaged from the pail, whereupon the pail may be removed without further adjustment or detachment of any of the other elements.

From the foregoing description it will be understood that the improvements of the present invention are all carried by the stool and are always in position to be conveniently engaged with a pail and require no special preparation or adjustment when engaging the same with a pail. Furthermore, the holding means do not interfere with the shifting of the pail from side to side, and it relieves the operator of the strain of holding the pail between his knees.

Having thus described the invention, what is claimed is—

1. A milking-stool provided with upper and lower pail-holding devices to engage the top and bottom of the pail, one of these members being movable vertically and controlled by the weight of the user to clamp the pail between the two holding members.

2. A milking-stool provided with a spring-supported supplemental seat, and upper and lower pail-holding members, one of which is movable vertically and controlled by the depression of the supplemental seat.

3. A milking-stool provided with a spring-supported supplemental seat, a lower pail-holder carried by the stool, and an upper pail-holder carried by the supplemental seat.

4. A milking-stool provided with a spring-pressed supplemental seat, and a pail-holder controlled by the supplemental seat, said pail-holder capable of being shifted laterally independently of the seat.

5. A leg-supported milking-stool having a lower pail-holder carried by the legs thereof, a yieldably-supported supplemental seat, and an upper pail-holder carried by the supplemental seat.

6. A milking-stool having a lower pail-holder, a yieldably-supported supplemental seat, and an upper pail-holder carried by the supplemental seat, the two pail-holders capable of being shifted laterally independently of the seat.

7. A leg-supported milking-stool having a cross-bar connecting adjacent legs, a swinging arm connected to one of the other legs and slidably supported upon the cross-bar, the outer free end of the arm being provided with a pail-engaging element, a yieldably-supported supplemental seat, and a swinging pail-holder carried thereby.

8. A milking-stool having a lower pail-holder, a yieldably-supported supplemental seat, and an upper pail-holder carried by the under side of the supplemental seat.

9. A milking-stool having a main seat, a supplemental seat, and a pail-holder carried by the under side of the supplemental seat, the main seat being recessed to receive the pail-holder.

10. A milking-stool having a yieldably-supported supplemental seat, and a pail-holder carried by the under side of the supplemental seat, one of the seats of the stool being recessed to receive the pail-holder when the supplemental seat is depressed.

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

MERRILL T. HAMILTON.

Witnesses:

H. A. BLACK,

TIMOTHY HANNAN.