

No. 686,422.

Patented Nov. 12, 1901.

W. S. SHERD.
MILK PAIL HOLDER.

(Application filed Aug. 2, 1901.)

(No Model.)

Fig. 1.

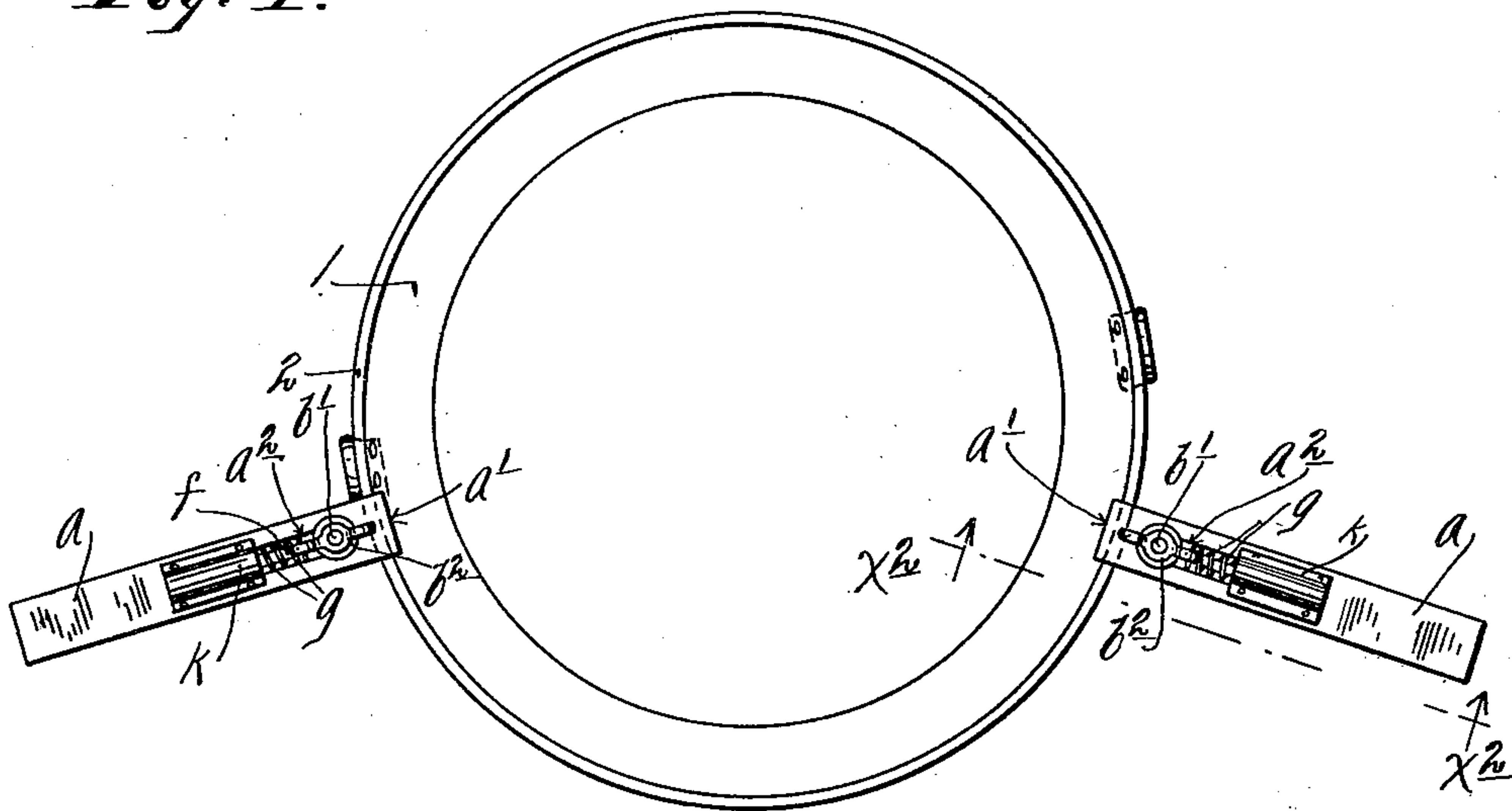


Fig. 2.

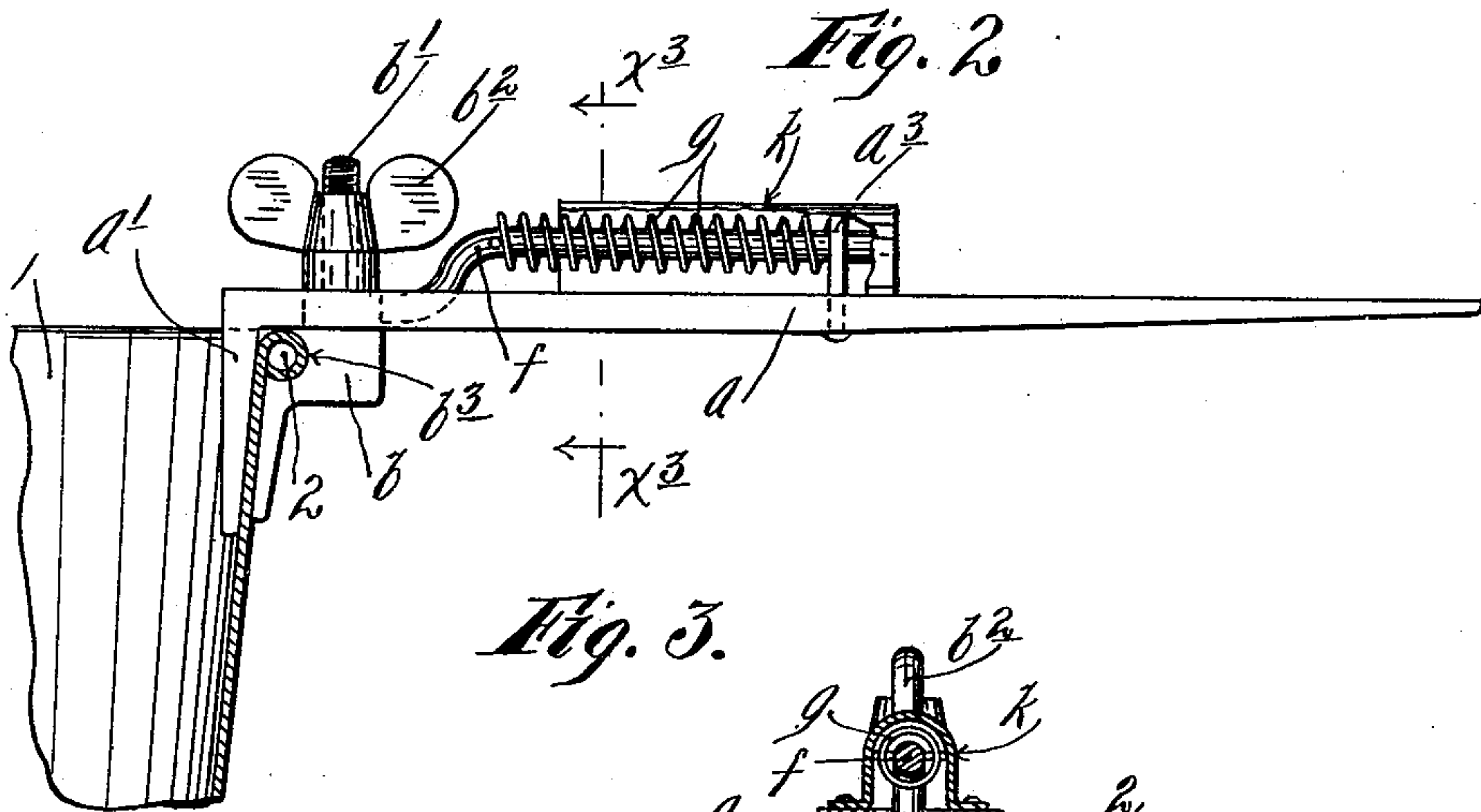
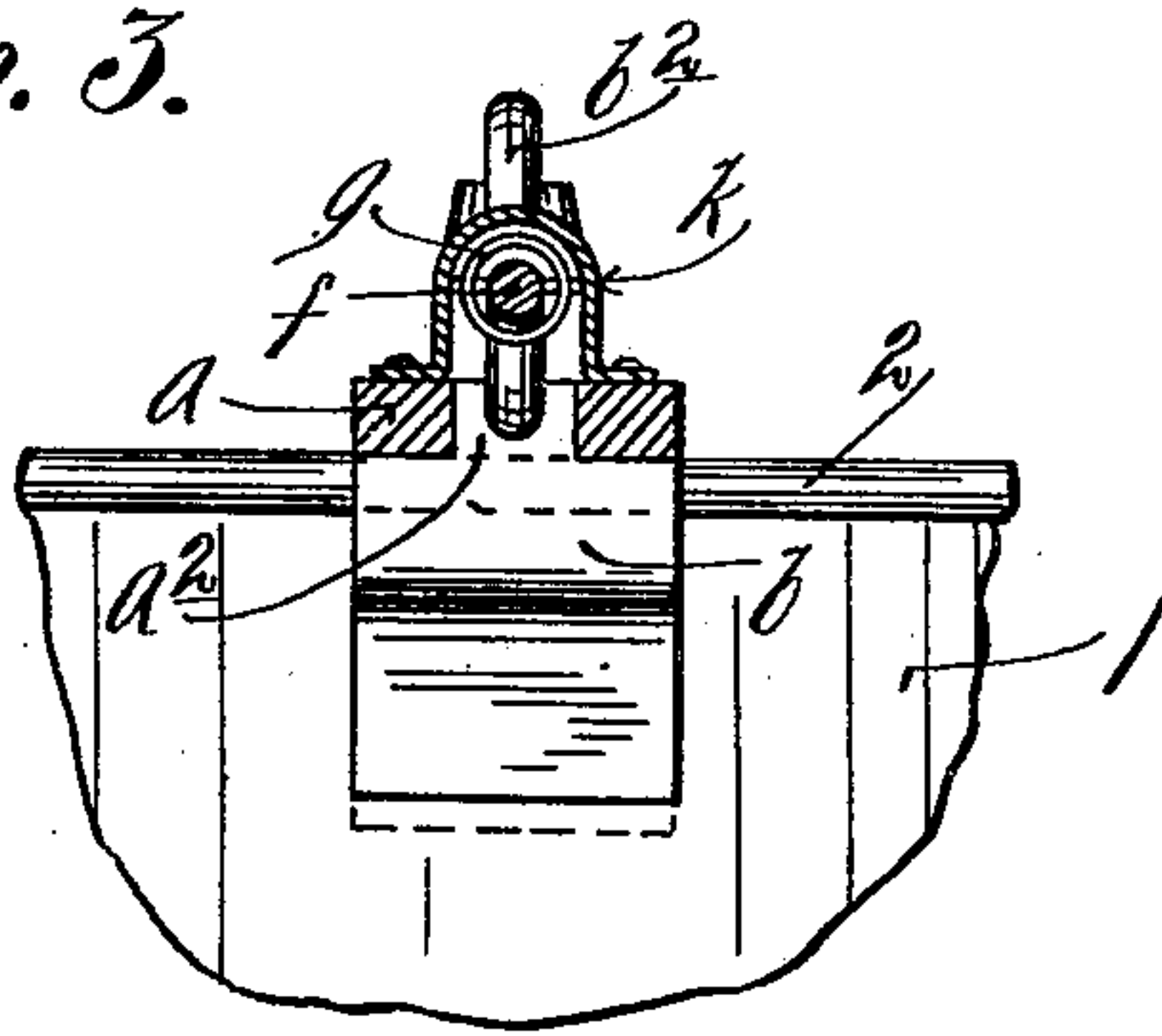


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

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MILK-PAIL HOLDER.

SPECIFICATION forming part of Letters Patent No. 686,422, dated November 12, 1901.

Application filed August 2, 1901. Serial No. 70,597. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM S. SHERD, a citizen of the United States, residing at Belview, in the county of Redwood and State of Minnesota, have invented certain new and useful Improvements in Milk-Pail Holders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My present invention has for its especial object to provide improved devices for holding milk-pails between the knees while milking; and to this end it consists of the novel devices and combinations of devices hereinafter described, and defined in the claims.

The invention is illustrated in the accompanying drawings, wherein like characters indicate like parts throughout the several views.

Figure 1 is a plan view showing the milk-pail having my improved devices applied thereto. Fig. 2 is a vertical section on the line $x^2 x^2$ of Fig. 1, some parts being broken away; and Fig. 3 is a section on the line $x^3 x^3$ of Fig. 2, some parts being broken away.

The numeral 1 indicates an ordinary tin or metal milk-pail which is provided at its upper edge with a beaded rim 2.

To hold the pail, I employ a pair of clamps, each of which, as preferably constructed, comprises as follows:

The character a indicates a knee-piece afforded by a bar provided at its inner end with a depending jaw a' , which is adapted to engage the inner upper surface of the pail.

The character b indicates a sliding jaw which is provided with a vertical screw-threaded stem b' , that works adjustably upward through the slot a^2 in the bar a and is provided above the said bar with a clamping-nut b^2 . The said adjustable jaw b is further provided with a notch b^3 , which is adapted to receive the beaded rim 2 of the pail and permit the depending portions of the jaw b to cooperate with the jaw a' of the bar a to tightly clamp the body of the pail, as shown in Fig. 2.

The character f indicates a plunger-like stem which is attached at its inner end to the jaw b and at its outer end works loosely

through a guide-lug a^3 on the bar a . A coiled spring g , which surrounds the plunger f , is secured at its inner end to the said plunger and at its outer end reacts against the lug a^3 . This spring g serves to yieldingly force the jaw b toward the jaw a' and is of itself sufficient in some cases to hold the jaws b and a' clamped on the pail. However, when the jaws are applied to the pail, as indicated, they may be securely locked or held simply by tightening the nut b^2 . The nut b^2 also serves to hold the jaws separated against the action of the spring g , when desired, as is often the case when the device is removed from the pail or when it is to be applied to the pail.

The character k indicates a thin metal shield, shown as applied to the bar a and serving as a housing for the spring g .

The devices above described are very efficient for the purposes had in view. They may be very quickly applied to or removed from the pail, and when applied and the nuts b^2 tightened they very firmly hold the pail.

The two devices are preferably applied about as shown in Fig. 1, as in these positions they are properly projected for engagement with the knees of a person seated for milking. As is evident, these devices make it very easy to firmly hold the pail between the knees and without requiring the pail to be tightly pressed by the knees.

The devices above described are of course capable of modification as to detail within the scope of my invention.

What I claim, and desire to secure by Letters Patent of the United States, is as follows:

1. A pail-holder comprising a pair of clamping-jaws movable one with respect to the other and one thereof having a projecting knee-piece and a spring under continuous strain and, when released, throwing said jaws together, substantially as described.

2. In a pail-holder, the combination with a pair of clamping-jaws sliding one upon the other and one thereof having a projecting knee-piece, of a spring under continuous strain for yieldingly throwing said jaws together, when released, and a clamp or lock for securing the one jaw with respect to the other either in a clamping position or in a releasing position against the tension of said spring, substantially as described.

3. A pail-holder comprising a knee-piece a with jaw a' , the adjustable jaw b with notch b^3 , the plunger f applied to said jaw b and working through a lug a^3 of said knee-piece, 5 and the spring g connected to said plunger and reacting against said lug a^3 to yieldingly force said jaws a' and b together, substantially as described.

10 4. A pail-holder comprising the knee-piece a with jaw a' , slot a^2 and lug a^3 , the adjustable jaw b with stem b' and notch b^3 , which stem b' works through said slot a^2 , a clamp-

ing-nut b on said stem b' , the plunger f connected to said jaw b and working through said lug a^3 , and the spring g connected to said 15 plunger and reacting against said lug a^3 , substantially as described.

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

WILLIAM S. SHERD.

Witnesses:

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H. A. BAKKE.