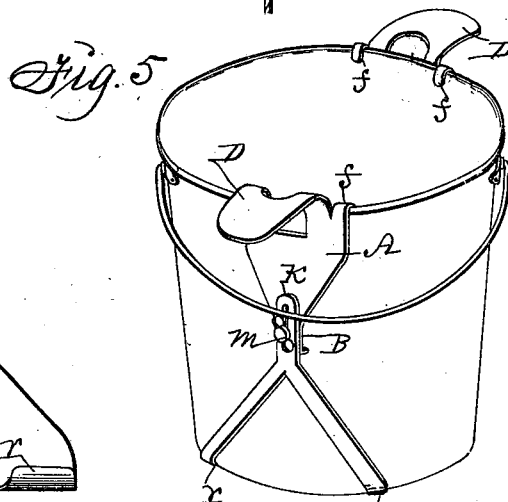
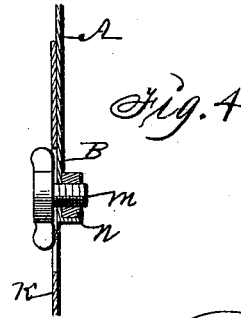
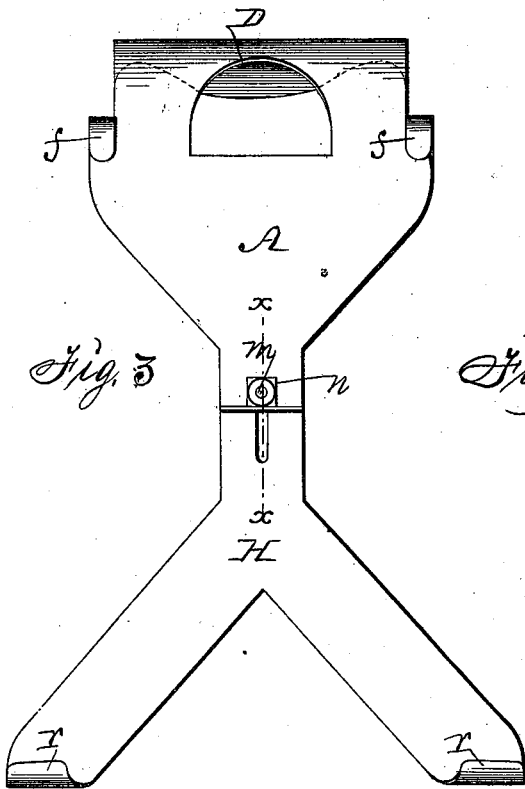
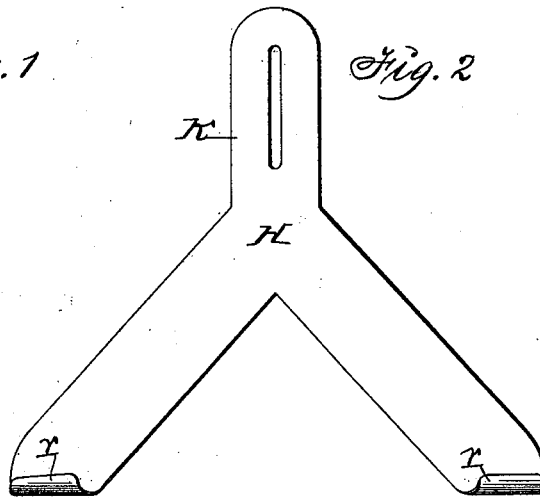
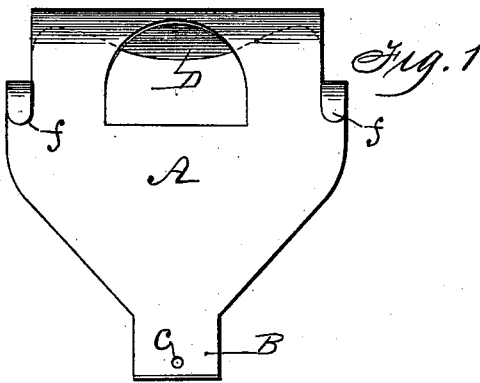


C. S. HARMSSEN.
ADJUSTABLE ATTACHMENT FOR MILK PAILS.

(Application filed Nov. 5, 1900.)

(No Model.)



Witnesses:
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 F. C. Stuart.

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UNITED STATES PATENT OFFICE.

CARL S. HARMSSEN, OF WALNUT, IOWA.

ADJUSTABLE ATTACHMENT FOR MILK-PAILS.

SPECIFICATION forming part of Letters Patent No. 665,433, dated January 8, 1901.

Application filed November 5, 1900. Serial No. 35,530. (No model.)

To all whom it may concern:

Be it known that I, CARL S. HARMSSEN, a citizen of the United States, residing at Walnut, in the county of Pottawattamie and State of Iowa, have invented a new and useful Adjustable Attachment for Holding Milk-Pails, of which the following is a specification.

My object is to promote convenience and cleanliness in milking cows by providing a simple, strong, adjustable, and durable attachment for milk-pails to aid a person in securely holding the pail between the knees and off the ground as required to facilitate transferring milk from the cow's udder into the pail and keeping the pail clean.

My invention consists in the device hereinafter set forth, pointed out in my claims, and illustrated in the accompanying drawings, in which—

Figure 1 is an inside face view of the upper part adapted to engage the top of a milk-pail and a person's knee. Fig. 2 is an inside face view of the lower part adapted to overlie and engage the lower part of the pail. Fig. 3 is an outside face view showing the two parts detachably and adjustably connected. Fig. 4 is a longitudinal sectional view on the line $x x$ of Fig. 3. Fig. 5 is a perspective view showing the invention applied to a milk-pail as required for practical use.

The letter A designates the upper part cut from sheet metal, round at the top, tapering at its lower portion, and terminating in a square extension B, that is bent inward at its lower edge to engage the square head of a bolt as required to prevent the bolt from turning when the bolt is extended outward through a bolt-hole c in the extension, as clearly shown in Fig. 4. The rounded top end is bent outward to produce a hook-shaped lateral projection D, adapted to rest upon a person's knee. At the sides and top of the lower tapering portion are integral portions bent inward to produce hooks f , adapted to engage the top edge of a milk-pail, as shown in Fig. 5.

The letter H designates the lower part of my device. It is also cut from sheet metal and V-shaped, with a straight extension k at its top adapted to overlie the lower end of the upper part A, and has a central slot through which a bolt m is extended outward, as shown in Fig. 4, to clamp the two parts together by

means of a nut n on the outer end of the bolt. The lower ends of the inverted-V-shaped part H are bent inward to produce hooks r , adapted to engage the rim at the bottom of the pail.

To fit and fasten the attachment to a milk-pail, the hooks are placed on the top edge of the pail and the hooks r on the rim at the bottom, and the overlying parts then clamped together by means of the bolt m and nut n .

It is obvious a mating device will be required on the other side of the bucket, so there will be two hook-shaped parts extending in opposite directions from the pail as required to facilitate holding and supporting a milk-pail between a person's knees.

Having described the construction, purpose, application, and operation of my invention, its practical utility will be readily understood by persons familiar with the art to which it pertains, and what I claim as new, and desire to secure by Letters Patent, is—

1. A device for holding milk-pails between a person's knees, consisting of an upper part having its top portion bent outward and adapted to rest upon a person's knee, hooks at its sides adapted to engage the top edge of a milk-pail and a lower portion having hooks at its bottom adapted to engage the rim at the bottom of a pail and means for adjustably fastening said upper and lower portions together on a milk-pail, for the purposes stated.

2. An attachment for milk-pails comprising an upper part consisting of a metal plate rounded at its upper portion and bent outward to produce a hook-shaped lateral projection, an integral hook at each side to engage the top of a pail and a tapering lower portion bent inward at its bottom edge and provided with a hole for a bolt and a lower part consisting of a V-shaped plate having a slot at its top portion for the passage of a bolt and hooks at its bottom to engage the rim at the bottom of a pail and a bolt extended through the said bolt-hole and the said slot, when the two parts overlie each other as shown, arranged and combined to operate in the manner set forth for the purposes stated.

CARL S. HARMSSEN.

Witnesses:

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