No. 668,062. Patented Feb. 12, 1901.

H. B. SMITH.

CALF FEEDER.

(Application filed Aug. 3, 1900.)

(No Model.)

Fig. 1.

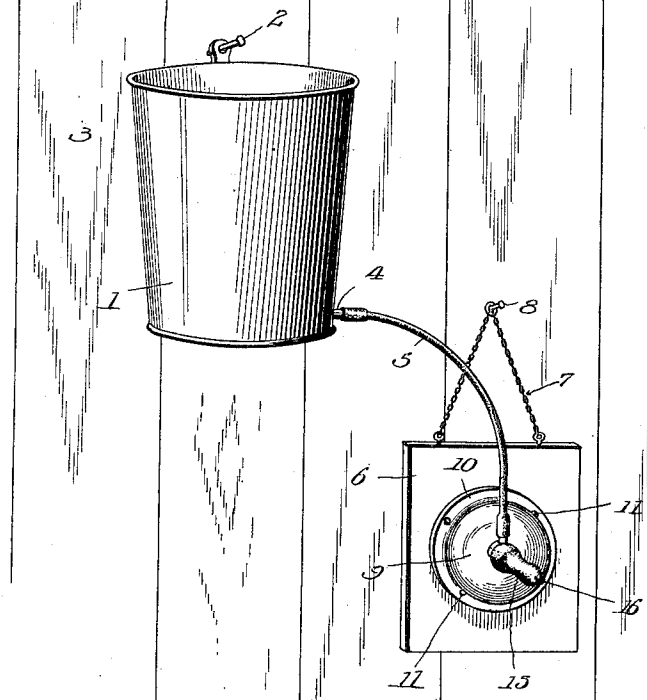
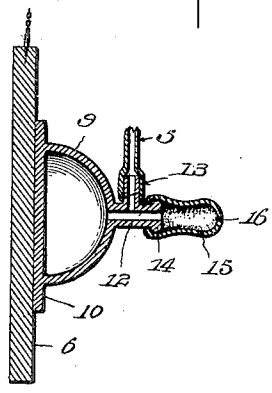


Fig. 2.



Witnesses:
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

HENRY B. SMITH, OF CHATEAUGAY, NEW YORK.

CALF-FEEDER.

SPECIFICATION forming part of Letters Patent No. 668,062, dated February 12, 1901.

Application filed August 3, 1900. Serial No. 25,801. (No model.)

To all whom it may concern:

Be it known that I, HENRY B. SMITH, a citizen of the United States, residing at Chateaugay, in the county of Franklin and State of New York, have invented new and useful Improvements in Calf-Feeders, of which the following is a specification.

My invention relates to calf-feeders; and its object is to provide a simple, inexpensive, and effective device of this character in which the milk is fed to a flexible nipple by gravity.

The construction of the improvement will be fully described hereinafter in connection with the accompanying drawings, which form a part of this specification, and its novel features will be defined in the appended claims.

In the drawings, Figure 1 is a view in perspective of a feeding apparatus embodying the invention, and Fig. 2 is a central vertical section of a portion thereof.

The reference-numeral 1 designates a pail or vessel adapted to be suspended from a nail 2, secured to a wall 3 or other support and having a discharge-spout 4 near its bottom, over which fits the upper end of a flexible tube 5.

6 designates a board or frame provided with a cord or chain 7, by means of which it is suspended from a nail or hook 8, driven into the support 3 below the nail 2. To the board or frame 6 is secured a hollow semi-spherical casting 9, constituting a receiving-receptacle and having an annular flange 10, formed with holes for the securing-screws 11. Projecting centrally from the casting 9 is a hollow horizontal tube 12, having a vertical tubular extension 13, over which fits the lower end of the flexible tube 5. The outer end of the hollow tube 12 is provided with a bead 14, over which fits a rubber nipple 15, perforated at its outer end, as shown at 16.

The utility of the device will be readily understood. The liquid contained in the vessel 1 flows through the tube 5 to the receptacle 9 and nipple 15, so that the nipple is constantly supplied as long as there is a supply of liquid in the vessel 1. The receptacle 9, being located adjacent to the nipple and receiving milk through the tube 5, always contains a supply which is readily discharged by suction upon the nipple, and the calf is thus not required to draw the liquid through the tube 5 by suction, as is usual in feeders heretofore used, and the inhalation of air due to such suction is avoided.

It will be apparent that other securing means than those shown in the drawings may be employed, and I reserve the right to make all such modifications and changes in the details of the device as may fall within the scope of the following claims.

I claim—

1. A calf-feeder comprising a vessel for containing liquid; a receptacle located below said vessel; a tube connecting the vessel and receptacle; and a nipple communicating with the receptacle whereby the liquid is drawn by suction from the receptacle instead of directly from the tube of the containing vessel.

2. A calf-feeder comprising a vessel provided near its bottom with a discharge-spout; a board or frame adapted to be supported below said vessel; a receiving-receptacle consisting of a casting secured to said frame or board and having a hollow stem provided with a tubular extension; a flexible tube connecting the discharge-spout of the vessel with said tubular extension; and a yielding nipple fitting over said hollow stem.

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

HENRY B. SMITH.

Witnesses:
HELENA A. SMITH,
ADELAIDE SMITH.