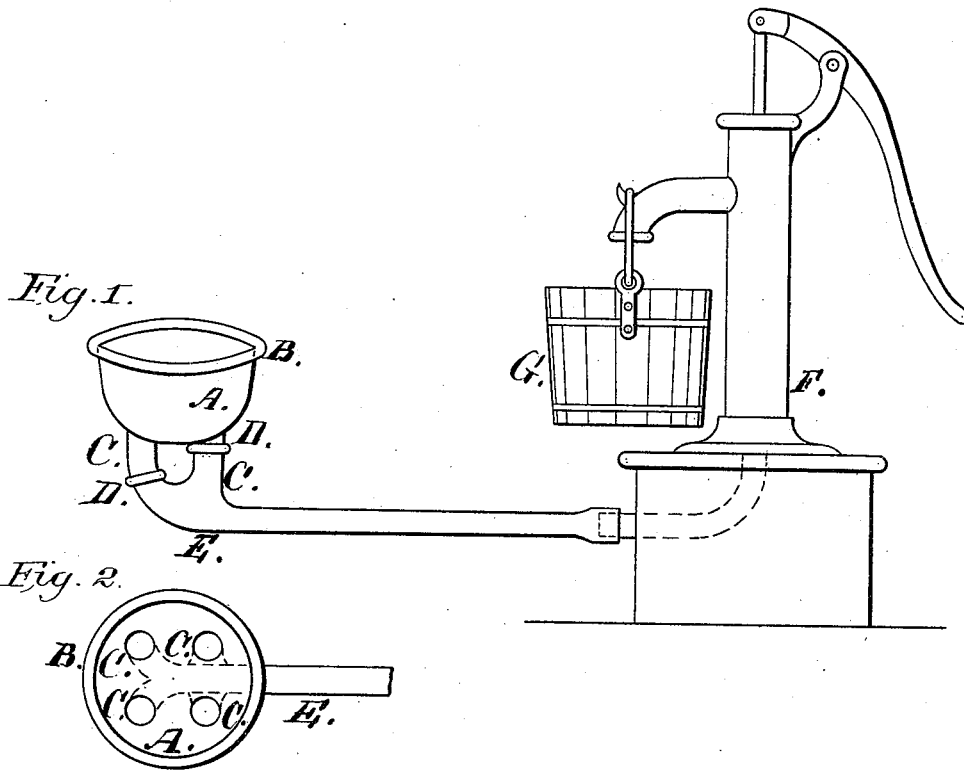


A. C. BALDWIN.  
Cow-Milker.

No. 212,423.

Patented Feb. 18, 1879.



Attest  
Geo. B. Adams.  
Gustav Richter

Inventor  
Mrs. Anna Coreg Baldwin  
By Horace Harris Atty

# UNITED STATES PATENT OFFICE.

ANNA C. BALDWIN, OF NEWARK, NEW JERSEY.

## IMPROVEMENT IN COW-MILKERS.

Specification forming part of Letters Patent No. **212,423**, dated February 18, 1879; application filed December 21, 1878.

*To all whom it may concern:*

Be it known that I, Mrs. ANNA COREY BALDWIN, of Newark, in the county of Essex and State of New Jersey, have invented a new and useful Improvement in Cow-Milkers, known as a "Hygienic Glove-Milker," of which the following is a specification:

In the drawings, Figure 1 is a side elevation. Fig. 2 is a plan.

My invention relates to appliances for milking cows, wherein a sack or case of elastic rubber is placed over the udder, having at the top a contracting band, made to press closely against the udder, to prevent the air from entering into the case. This sack terminates below in four tubes for the teats, with a pressure-band to close about the upper end of the teat, and the lower ends of the tubes widen out into one tube or sack, the four tubes uniting in one, which extends and connects with a suction-pump, the operation of which on the case and on the pressure-bands draws the milk. This becomes a glove-milker, like an inverted glove—the upper part as the hand on the udder, and the tubes and bands as the thumb and fingers on the teats.

The operation of milking is similar to hand-milking, in which the tube extending to the pump compares to an arm, and the tubes and bands for the teats to fingers pressing them, the pressure coming from the suction of the pump.

A is an elastic rubber sack or case, and B is an elastic compress-band at the upper end, the whole to close over the udder and keep out the air. C C are tubes in the lower end of the case, which are a division of the case

into four tubes for the insertion of the teats; and on these tubes are placed elastic rings D, to be pushed up to the upper end of the tubes, when the teats are in them, to prevent any air that might possibly have passed into the case above from passing into the tubes.

The lower ends of the tubes C run together and form one tube, E, which extends out laterally to form a connection with a suction-pump, F. The pump and milking apparatus may be stationary, and the cow be driven into a certain position relative to it, or may be portable.

The action of the pump exhausts the air from all the case and tubes, and then draws the milk by the reciprocating pressure, which flows out to fill the vacuum in the tube E, and by the pump is discharged into the pail G.

This simple and harmless method of milking will do the work many times faster than the old hand process, and at a great saving of tax on the hands of the milker.

A rubber band attached to each side of the case, and extending over the back of the cow, may be used, if needed, to assist in holding the case in position on the udder.

What I claim as my invention, and desire to secure by Letters Patent, is—

The case A, with the band B to fit on the udder, and the connecting-tubes C C and bands D to fit on the teats, in combination with the tube E and pump F, substantially as and for the purposes specified.

Mrs. ANNA COREY BALDWIN.

Witnesses:

HORACE HARRIS,  
GEO. B. ADAMS.