W. A. WILSON.

COW-MILKER.

No. 188,455. Patented March 13, 1877.

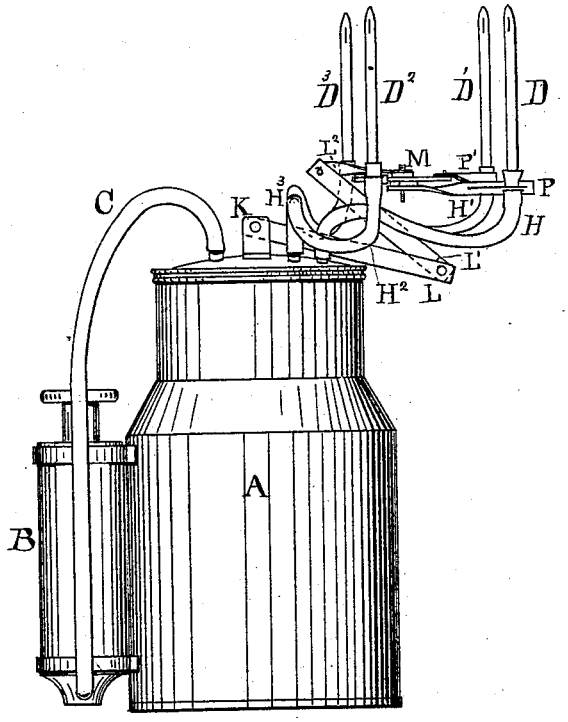

Fig. 1.

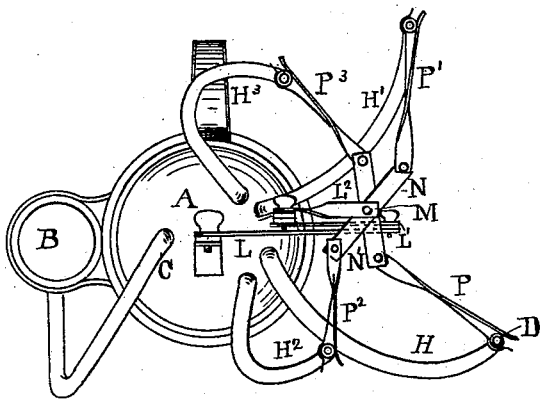

Fig. 2

WITNESSES

Walter Evans

Frank G. Parker.

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UNITED STATES PATENT OFFICE.

WILLIAM A. WILSON, OF CHELSEA, MASSACHUSETTS.

IMPROVEMENT IN COW-MILKERS.

Specification forming part of Letters Patent No. **188,455**, dated March 13, 1877; application filed August 21, 1876.

To all whom it may concern:

Be it known that I, WILLIAM A. WILSON, of Chelsea, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Cow-Milkers, of which the following is a specification:

The nature of my invention consists in combining, with a vacuum-chamber, provided with an air-exhausting apparatus, a set of adjustable self-sustaining teat-tubes.

Figure 1 is an elevation of my invention. Fig. 2 is a plan view of the same.

Let A represent the vacuum-chamber, which may be made of any suitable size and form. B is an air-pump, of any approved style, which serves to form a vacuum in the chamber A, to which it is connected by an exhaust-tube, C. D D^1 D^2 D^3 are four tubes, made of hard rubber or of any non-corrosive metal. Each of these tubes has perforations near the upper end, and is connected, by flexible tubes H H^1 H^2 H^3, to the can or vacuum-chamber A. To render these teat-tubes self-sustaining and adjustable, I attach to a standard, K, which is made fast to the top of the can, a jointed arm, L L^1 L^2, arranged as shown, so that its upper extremity M may be placed at any desired height. At the point M I attach, by a swivel-joint, the horizontal cross-arms N N′. At each extremity of the cross-arms N N′ I joint a forked arm, P P^1 P^2 P^3, said forks having elasticity sufficient to allow them to be sprung onto the teat-tubes and thus hold them.

By this arrangement the teat-tubes D D^1 D^2 D^3 may be set and held in any desired position.

Having now described the construction and operation of my invention, what I claim is as follows:

In a cow-milker, the combination of the vacuum-chamber A, and the supporting device L L^1 L^2, N N′, P P^1 P^2 P^3, with the teat-tubes D D^1 D^2 D^3, all operating together substantially as described, and for the purpose set forth.

WILLIAM A. WILSON.

Witnesses:

WILLIAM EDSON,

NATHL. EVANS.