

C. H. FARLEY.
VALVES OR REGULATORS FOR FLEXIBLE TUBES.
 No. 194,664. Patented Aug. 28, 1877.

Fig. 1

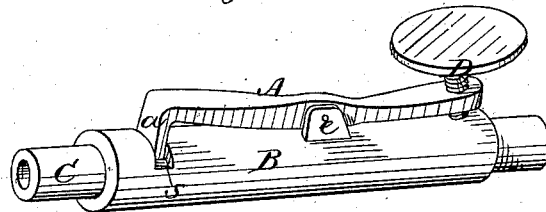


Fig. 2.

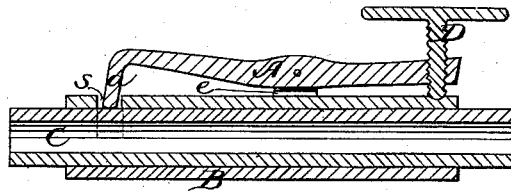
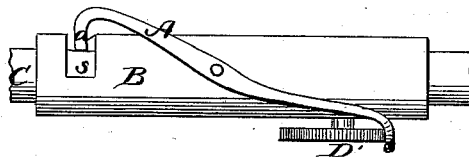


Fig. 3.



Witnesses:
Marshall Mich
James L. Rackley.

Inventor:
Cyrus H. Farley.

UNITED STATES PATENT OFFICE.

CYRUS H. FARLEY, OF PORTLAND, MAINE.

IMPROVEMENT IN VALVES OR REGULATORS FOR FLEXIBLE TUBES.

Specification forming part of Letters Patent No. **194,664**, dated August 28, 1877; application filed June 12, 1877.

To all whom it may concern:

Be it known that I, CYRUS H. FARLEY, of Portland, in the county of Cumberland and State of Maine, have invented certain Improvements in Valves or Regulators for Flexible Tubes, of which the following is a specification:

In the accompanying drawings, forming a part of this specification, Figure 1 represents a perspective view of my invention. Fig. 2 represents a sectional view of the same. Fig. 3 represents a modification.

Similar letters of reference in the accompanying drawings refer to like parts.

This invention has for its object to provide means for compressing a rubber or other elastic tube to any desired extent, so as to partially or wholly obstruct such tube, and thus regulate or stop the passage of liquid through it, the invention being particularly intended for application to tubes of nursing-bottles, to enable the milk to be shut off without the knowledge of the infant when a sufficient quantity has been imbibed.

The invention consists in a valve or regulator composed of a rigid holder adapted to inclose a portion of an elastic tube, provided with a lever which is adapted to be pressed against the side of the inclosed tube, and thus compress it to any desired extent, as I will now proceed to describe.

In the drawings, B represents the rigid tube or holder, and C represents the elastic tube. A represents a lever, which is pivoted at or near its center to the tube B, and is adapted to bear at one end against the side of the elastic tube C, and is provided with any suit-

able means for holding it with any desired degree of pressure against the elastic tube.

I prefer to make the tube or holder B and lever A as shown in Figs. 1 and 2, the tube being provided with ears *e e*, to which the lever is pivoted, and with a slot, *s*, near one end, adapted to receive the compressing end of the lever, while the lever is bent at one end so as to form an arm, *a*, and adapted to pass through the slot *s*, and is provided at its opposite end with a thumb-screw, D, which bears upon the surface of the holder B, and is adapted, when turned, to force the arm *a* against the elastic tube in such manner as to partially or wholly obstruct said tube.

This device constitutes a cheap and simple valve or regulator for elastic tubes, and is adapted to be readily applied and removed.

A modification is shown in Fig. 3, in which the lever is curved and pivoted directly to the holder, and pressure is applied by means of a button, D', pivoted eccentrically to the holder, and adapted to bear against the rear end of the lever, the degree of pressure being varied by turning the button.

I claim as my invention—

The combination of the holder B, having slot *s*, the pivoted lever A, having arm *a*, and the thumb-screw D, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CYRUS H. FARLEY.

Witnesses:

C. F. BROWN,
A. E. DENISON.