

E. A. DAY.

Clasps for Elastic Tubes.

No. 134,038.

Patented Dec. 17, 1872.

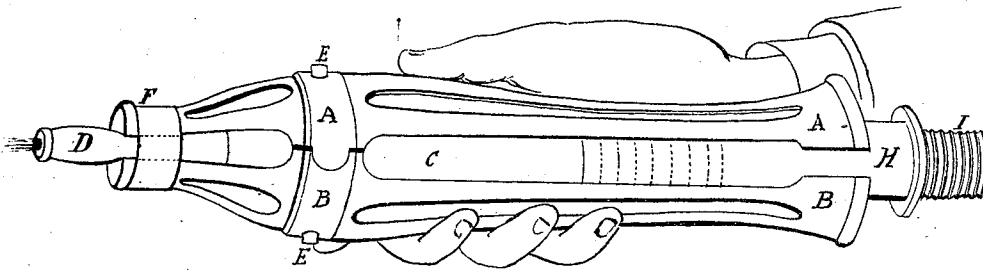


Fig. 1.

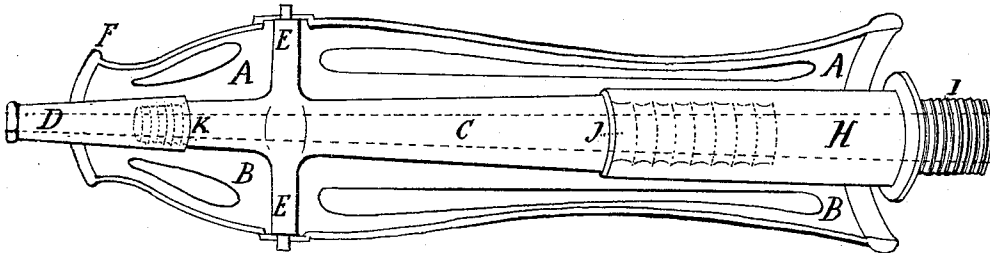


Fig. 2.

Witnesses

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UNITED STATES PATENT OFFICE.

EDMUND A. DAY, OF OBERLIN, OHIO.

IMPROVEMENT IN CLASPS FOR ELASTIC TUBES.

Specification forming part of Letters Patent No. 134,038, dated December 17, 1872.

To all whom it may concern:

Be it known that I, EDMUND A. DAY, of the town of Oberlin, in the county of Lorain and State of Ohio, have invented certain Improvements in Clasps for Elastic Tubes, of which the following is a specification embodying my invention:

My invention relates to the combination of a central metallic tube within a hollow clasp in such manner that the end of an elastic tube or hose may be adjusted to either end of the same by means of a screw or other well-known methods of making such connection.

In the drawing, Figure 1 is a side elevation embodying my invention; and Fig. 2 is a side elevation of the inclosed metallic tube C, showing the opposite halves of the clasp A B in section.

A B represents the main clasp, which is made in semicircular halves, and so that when hinged together near their points, as shown in Fig. 1, they form a split hollow tube. The front ends of the clasp are provided with an elastic spring, F, of sufficient strength to effectually close the elastic nozzle D when the grasp of the hand upon the rear ends of the clasp is entirely relaxed, and so as to regulate the flow of water or other fluid through the nozzle D according as the pressure of the hand upon the lower ends of the clasp is increased or diminished. The end K, Fig. 2, of the metallic tube C, as well as the opposite end J of the same, is finished with a ribbed surface, as indicated by the dotted lines, for the purpose

of more securely holding the adjustable elastic nozzle upon the one end and the hose H upon the other. As seen in Fig. 2, a short piece of hose, H, is passed over the rear end of the metallic tube C, and the other end of said hose is provided with the ordinary connecting-screw I, on which to receive and hold the main hose.

But I will here state that, as another modification for the finish of the rear end of the metallic tube C, it may extend out past the rear ends of the clasp A B, and there terminate in the formation of the connecting-screw I, and thus dispense with the use of the short piece of hose H, before described. Near the front end of the metallic tube C are formed the trunnions E E, having suitable points and shoulders to pass through the opposite halves of the clasp, as clearly shown in the drawing.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The central metallic tube C, provided with trunnions E E, and combined with the clasp A B, spring F, and flexible nozzle D, substantially as and for the purpose set forth.

In testimony that I claim the above I hereunto subscribe my name on this the 12th day of September, 1872.

E. A. DAY.

Witnesses:

N. L. JOHNSON,
F. P. HILL.