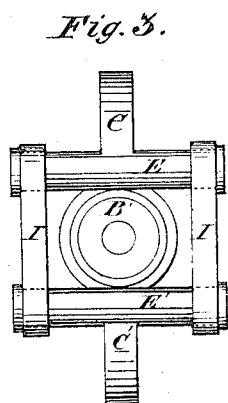
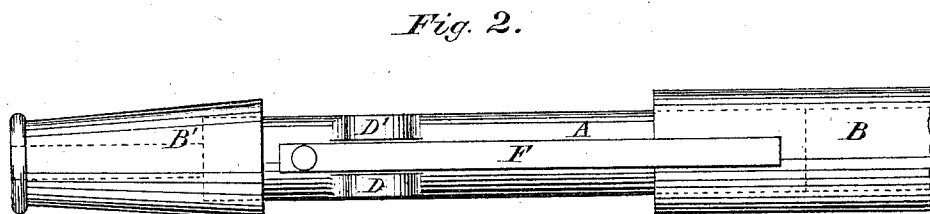
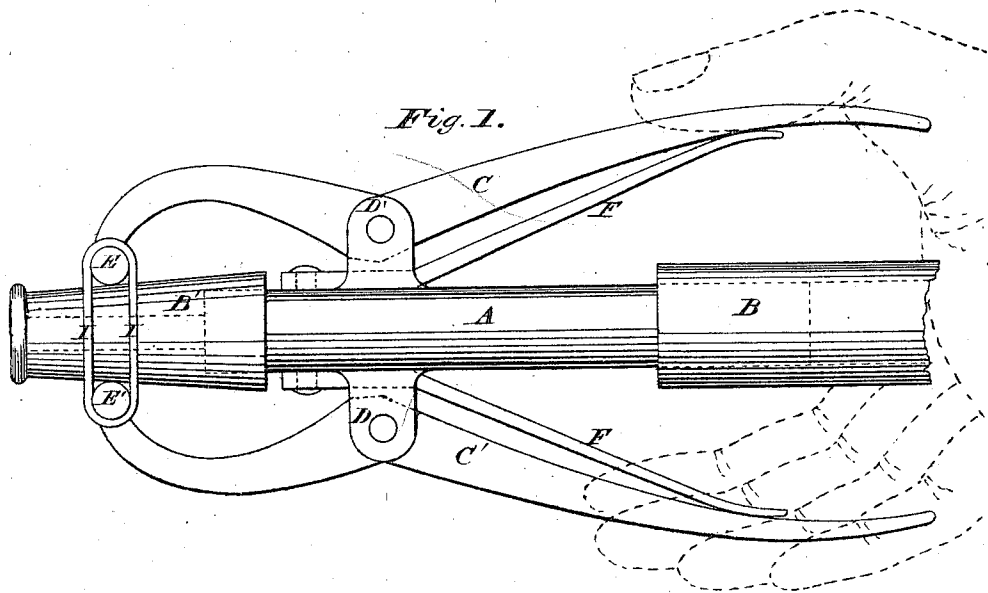


E. A. DAY.
Elastic Clasps for Elastic Nozzles.
 No. 134,469. Patented Dec. 31, 1872.



Witnesses:

E. A. Salada
C. M. Salada jr

Inventor:

Edmund A. Day
By his atty
E. A. Salada

UNITED STATES PATENT OFFICE.

EDMUND A. DAY, OF OBERLIN, OHIO.

IMPROVEMENT IN ELASTIC CLASPS FOR ELASTIC NOZZLES.

Specification forming part of Letters Patent No. 134,469, dated December 31, 1872.

To all whom it may concern:

Be it known that I, EDMUND A. DAY, of Oberlin, in the county of Lorain and State of Ohio, have invented certain new and useful Improvements in Clasp-Valves, for Elastic Tubes or Hose, of which the following is a specification, embodying my invention.

The nature of my invention consists in applying to the end of elastic tubes or hose a short metallic pipe or barrel, the outer end of which is provided with an adjustable elastic nozzle, and upon opposite sides of the metallic tube or barrel are secured a lever-handle, and operated upon a fulcrum or pivot joint. The outer ends of said lever-handles are formed in T-shape, with the cross-bar of that letter in contact with the adjustable nozzle, and the same actuated by appropriate springs in such manner as to regulate the flow of the water or cut it off entirely.

In the drawing, Figure 1 is a side view of the clasp in the hand of the operator; Fig. 2, a top view; and Fig. 3, an end view of the complete device.

I will here state that my present invention is intended as an improvement upon a former invention, and for which I have now pending my application for a patent.

Construction and Operation.

A is the barrel or tube; B is the end of the main hose secured thereto, and B' is the adjustable elastic nozzle, secured to the opposite end of the barrel A, and so far this is the same combination of parts shown and described in my former application; but instead of the hollow clasp, made in halves and pivoted together, as shown in that application, I employ two separate lever-handles, C and C', pivoted to the ears D D', the latter being formed with, and as a part of, the barrel A, and to the outer ends of these lever-handles are formed the cross-bars E and E', which come in contact with the opposite sides of the adjustable nozzle

B', and by the action of which the flow of the water through the nozzle is regulated. Between the ears D D', and under the lever-handles C C', is secured the spring F, in such manner that its outer end bears firmly up against the under side of the handles, and thereby forces the cross-bars E and E' toward each other upon the elastic nozzle, and thus regulates the flow of the water according to the pressure that is applied to the rear ends of the lever-handles C C', and stops the flow altogether by letting go of the handles.

For the purpose of giving greater elastic force and pressure to the short or front ends of the lever-handles, two separate elastic bands, H and I, are passed over the ends of the cross-bars E and E', as plainly shown in Figs. 1 and 3. In some cases I shall omit the steel spring F, and use only the two elastic bands H and I, and which will be all sufficient in the smallest sizes I purpose manufacturing.

I will here state that when it is desirable to use this device in connection with a "sprinkler," the elastic nozzle may be removed and a sprinkler having a short piece of elastic tube attached may be substituted, and the flow of the water through the tube of the sprinkler may be regulated the same as through the removed nozzle.

Claim.

I claim as my invention—

The lever-handles C C', cross-bars E and E', and springs F, in combination with the barrel A, hose B, and the adjustable elastic nozzle B', the whole constructed and operated substantially as and for the purpose set forth.

In testimony that I claim the above, I hereunto subscribe my name on this, the 5th day of November, 1872.

EDMUND A. DAY.

Witnesses:

L. B. SMITH,
C. E. BASSETT.