

E. A. DAY.
Hose-Nozzles.

No. 136,309.

Patented Feb. 25, 1873.

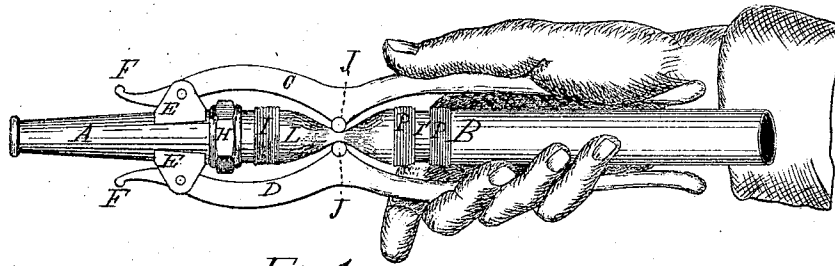


Fig 1.

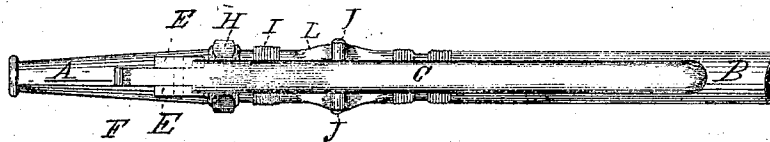


Fig 2

Witnesses.

James M. Baird.
N. Delacoe

Inventor.

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by his atty
N. Delacoe

UNITED STATES PATENT OFFICE.

EDMUND A. DAY, OF OBERLIN, OHIO.

IMPROVEMENT IN HOSE-NOZZLES.

Specification forming part of Letters Patent No. **136,309**, dated February 25, 1873.

To all whom it may concern:

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

My present invention has for its object the production of a nozzle and clasp for hose, consisting of a metallic nozzle, to which is hinged two separate lever-handles, so formed that by pressing them together by the hand they will come in contact with the elastic tube or hose in the rear of the nozzle, and thereby regulate the flow of the water or cut it off entirely, as circumstances may require; springs of every kind being discarded, and the lever-handles are operated by the hand only.

I will here state that my present invention is designed as an improvement upon my two former several grants of Letters Patent, and by which the manufacture of these clasps is materially simplified and cheapened, and in the absence of springs is rendered less liable to get out of order.

In the drawing, Figure 1 is a side elevation of the complete nozzle in the hand of the operator, with the lever-handles pressed together and the flow of water cut off by the cross-bearings J and J. Fig. 2 is a top view of the same with the hand of the operator removed.

A metallic nozzle, A, is formed of the desired dimensions, and near the rear ends of which is formed, as a part of the nozzle, the ears E and E, between which are hinged the lever-handles C and D. The front ends of the handles extend past the ears, and form the scroll ends F and F, so shaped that when the rear ends of the handles spread apart they will be prevented from moving further in that direction than is necessary to relieve the tube

L from their pressure; for when the handles are spread apart to this extent the scroll ends F will come in contact with the nozzle, and thus stay the further movement of the handles. The rear end of the nozzle is provided with the ordinary coupling, and to which is coupled the short intermediate elastic tube L, which latter is composed of a quality and form of rubber adapted to receive the pressure of the cross-bearings J; and the rear end of this short intermediate elastic tube L is in like manner coupled to the main hose B.

It will now be readily understood, by reference to Fig. 1, that the flow of the stream through the hose B is regulated by pressing together the lever-handles C and D in the hand of the operator, and, in like manner, may be cut off entirely.

I shall place it upon the market with all the parts, shown and described, complete, and ready for attachment to the main hose B, as a standard article of hardware in this line of manufacture.

Claim.

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

In combination with the metallic nozzle A, the ears E and E, lever-handles C and D, bearings J and J, and intermediate elastic tube L, constructed and operating substantially as and for the purpose set forth.

In testimony that I claim the above I hereunto set my hand on this the 19th day of December, 1872.

EDMUND A. DAY.

Witnesses:

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