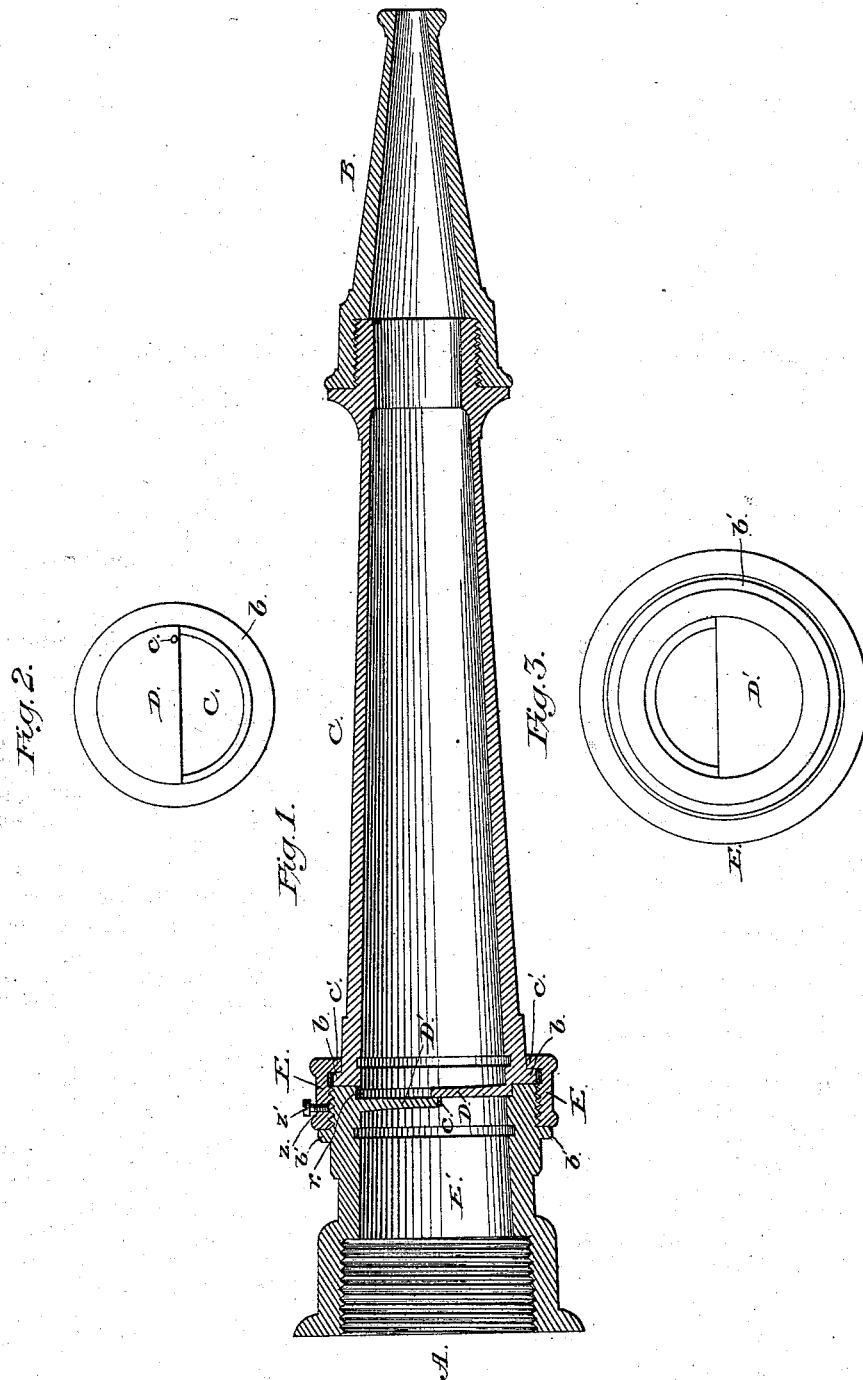


T. O'NEILL.
Hose-Nozzle.

No. 219,505.

Patented Sept. 9, 1879.



WITNESSES
John A. Davis
Geo. C. Poulton

INVENTOR
Thomas O'Neill,
by E. W. Anderson
his ATTORNEY

UNITED STATES PATENT OFFICE.

THOMAS O'NEILL, OF KALAMAZOO, MICHIGAN.

IMPROVEMENT IN HOSE-NOZZLES.

Specification forming part of Letters Patent No. **219,505**, dated September 9, 1879; application filed April 1, 1879.

To all whom it may concern:

Be it known that I, THOMAS O'NEILL, of Kalamazoo village and county, and State of Michigan, have invented a new and valuable Improvement in Hose-Nozzles; and do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings accompanying the same, making a part of this specification, and to the letters and figures marked thereon.

This invention has relation to improvements in hose-nozzles.

The object of my invention is to control or regulate the flow of water, when used to extinguish fires and for other purposes, without the aid of valves or cocks.

The nature of the invention consists in the construction and novel arrangement of parts, as hereinafter shown and described.

Figure 1 is a longitudinal central section of this invention. Fig. 2 is a base view of the end section of the nozzle. Fig. 3 is an end view of the nozzle-base.

In the accompanying drawings, the letter A represents a hose-nozzle, having at its end a screw-threaded section, B; and C represents the body or middle portion, the top of which is correspondingly screw-threaded, and may be attached to the section B when necessary.

On the bottom edge of the body or middle portion is a flange, *b*, and on its base is formed a semicircular ledge, D, annularly rabbeted or projecting from the base of the body and marginally flanged, and having a stop-pin, *c*, near the end of its straight or free edge.

E represents a collar, provided on its upper surface with a flange, *c'*. This collar is internally screw-threaded, and has near its lower edge a perforation, *z*, into which is inserted a set-screw, *z'*. This collar is passed over the top of the nozzle-end sections, and, engaging the flange *b* of the body, rests on the flange *b'* of the lower or base portion.

E' represents the base or connecting portion of the nozzle, which is internally screw-threaded at its lower end for attachment to a pipe or hose. The top of this base-piece is recessed at *r* to receive the raised ledge of the body, and at the bottom of said recess is formed a second semicircular ledge, D'. This base-piece is also screw-threaded at its upper end. The middle or body portion, C, is seated in the recess *r* of the base-piece E, the rim of the sunken ledge D' overlapping the edge of the projecting ledge D, and the stop-pin *c* abutting against the straight edge of the ledge D'. The cap is then screwed down on the base-piece until it rests on the flange *b'* of the body. The set-screw of the perforated collar E is then screwed against the thread of the base-piece, and it is rigidly secured. This completes my improved hose-nozzle, and it is then ready for use.

The operation of my invention is as follows: By turning the middle portion of the nozzle to the right or left, the flow of water can be regulated, or it can be entirely shut off.

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

In a hose-nozzle, the body portion C, having at its lower end the marginal flange *b*, and rabbeted to form the projecting semicircular ledge D, having a stop-pin, *c*, near its end, the threaded base portion E', having the exterior flange, *b'*, and the sunken semicircular ledge D', overlapping the ledge D, and the flanged screw-collar E, engaging the flange *b* of the body portion, and resting on the flange *b'* of the base, substantially as specified.

THOMAS O'NEILL.

Witnesses:

JOSHUA F. ALLEY,
VIVIAN O'NEILL.