

No. 612,941.

Patented Oct. 25, 1898.

S. L. BARTHOLOMEW.  
HYDRANT.

(Application filed Feb. 7, 1898.)

(No Model.)

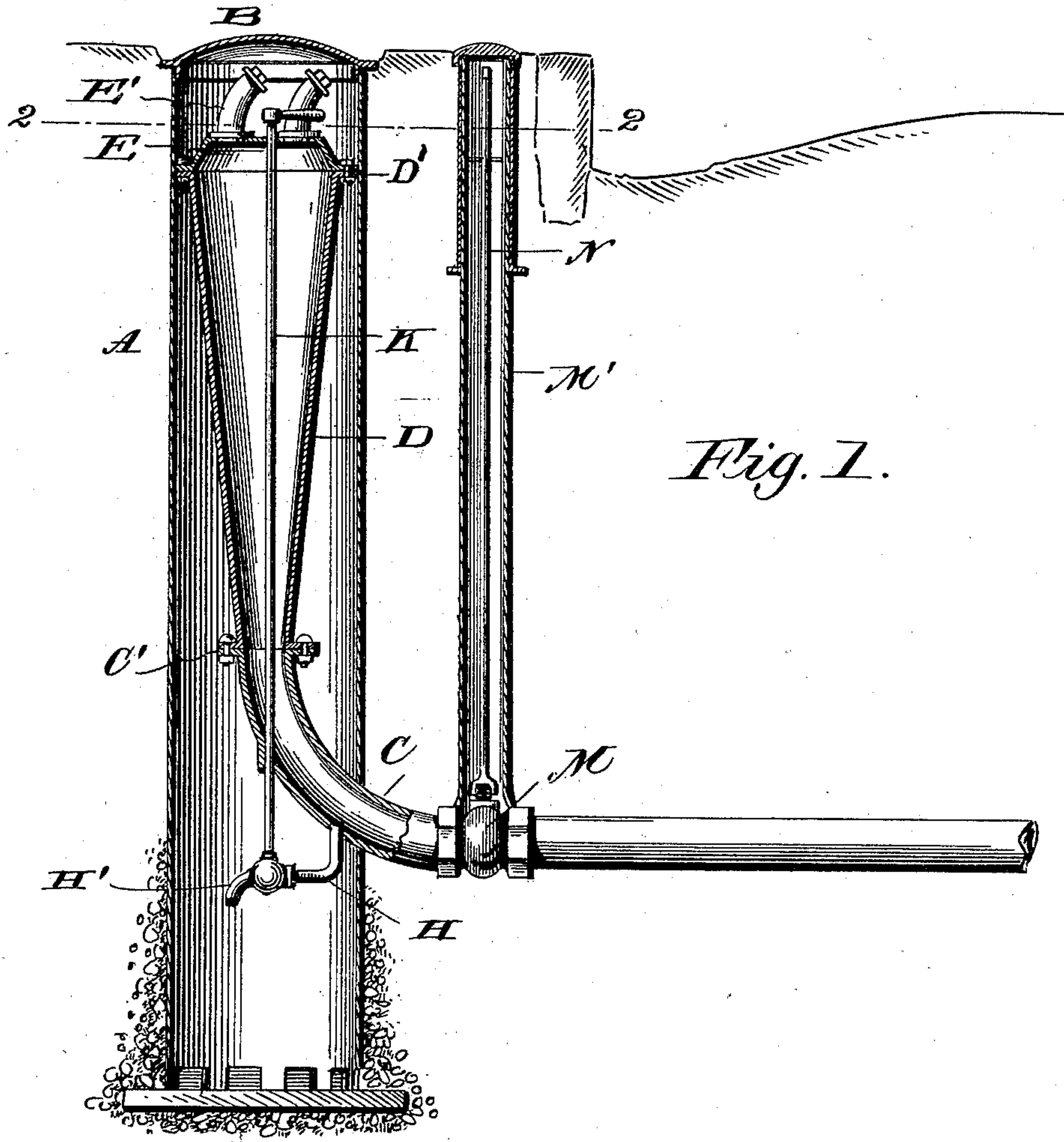


Fig. 1.

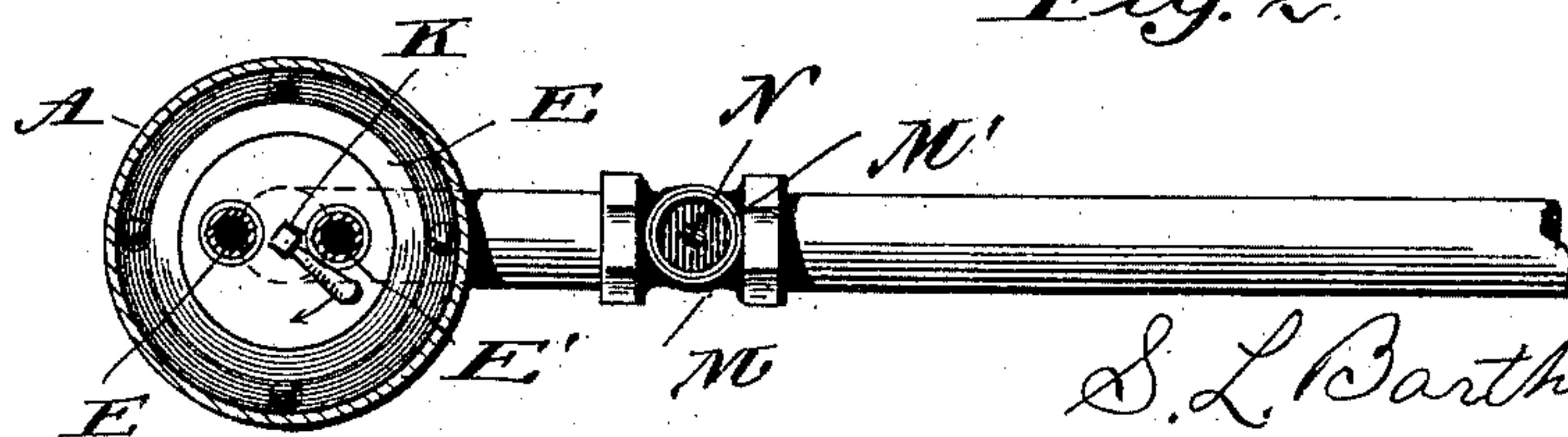


Fig. 2.

Witnesses

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# UNITED STATES PATENT OFFICE.

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## HYDRANT.

SPECIFICATION forming part of Letters Patent No. 612,941, dated October 25, 1898.

Application filed February 7, 1898. Serial No. 669,397. (No model.)

*To all whom it may concern:*

Be it known that I, SEYMOUR L. BARTHOLOMEW, a citizen of the United States, residing at Asbury Park, in the county of Monmouth and State of New Jersey, have invented certain new and useful Improvements in Hydrants; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in hydrants and in casings for the same; and in carrying out the present invention it is my purpose to construct a hydrant which will be free from valves or other obstructions which would impede the ready flow of water from the same, the whole apparatus designed to be suitably incased and located either wholly or partially underneath the surface of the ground.

More specifically, the present invention resides in the provision of a frost-casing embedded in the ground to a suitable depth, having means whereby the drip from the hydrant carried within the casing may escape, the said casing carrying the hydrant, which is mounted on the water-main which passes into the casing, and has suitable flange connections with hose-couplings carried at the upper end of the tapering hydrant, the valve for regulating the supply of water being in a separate box and so arranged as not to interfere with the free flowing of the water from the couplings, which may be disposed at any suitable angle to the upper flanged end of the hydrant.

The invention relates, further, to the novel construction, combination, and adaptation of parts, as will be hereinafter more fully described, and then specifically defined in the appended claims.

My invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this application, and in which drawings—

Figure 1 is a vertical central longitudinal section through my improved hydrant. Fig. 2 is a sectional view on line 2 2 of Fig. 1.

Reference now being had to the details of the drawings by letter, A designates the frost-casing, which may be made of metal or any suitable material and is perforated at its lower end. The upper end of this casing is provided with a lid B, and extending through an aperture in the side of the casing is the water-main C, which curves upward in the casing and has laterally-extending flanges C' about its upper end, to which the lower flanged end of the tapering hydrant D may be bolted or otherwise suitably fastened. This hydrant D from its point of connection with the curved end of the main increases in diameter and at its upper end has a flange D', the circumference of which snugly fits the inner walls of the said frost-casing, as illustrated, and bolted or otherwise securely fastened to the enlarged end of the hydrant is a cap E, which has, preferably, the two hose-couplings E', which are disposed at an angle to a perpendicular for convenience in the attachment of the hose-pipe, by which arrangement two pipes may be connected to the hydrant at the same time. The hydrant, with its flanged lid secured thereto, may be entirely out of sight and underneath the ground, as illustrated in the drawings; but, if preferred, the hydrant may extend above the ground, and the couplings may be arranged one above the other on the side of the hydrant in any suitable manner.

On the under side of the curved portion of the hydrant is an escape-pipe H, whereby the water which remains in the hydrant after the water-supply has been cut off may escape, the said pipe being provided with a suitable petcock H', to which is connected an operating-rod K, which passes up through the frost-casing and within convenient reach at the upper end thereof.

In order to regulate the supply of water which is to be fed to the hydrant, a valve M is provided in a separate casing M', to which valve is connected an operating-rod N, access to which rod may be had through a covered portion through the casing containing the said rod.

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

1. In combination with the frost-casing

which is perforated at its lower end, the water-main extending through in the said casing, and having an upwardly-flaring hydrant secured thereto, and an escape-pipe and valve  
5 regulating the same, which is adapted to be operated at the upper end of the said casing, as shown and described.

2. In combination with the frost-casing as described, the water-main leading therein,  
10 the flanged and flaring hydrant mounted on said main, the upper end of the hydrant having a flanged lid carrying angularly-disposed

hose-couplings, the circumference of the said flange snugly fitting the inner circumference of the said casing, and the escape-pipe with  
15 valve-regulating rod, and means for regulating the supply of water in the main, as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

SEYMOUR L. BARTHOLOMEW.

Witnesses:

SARAH H. ALLEN,  
DAVID HARVEY, Jr.