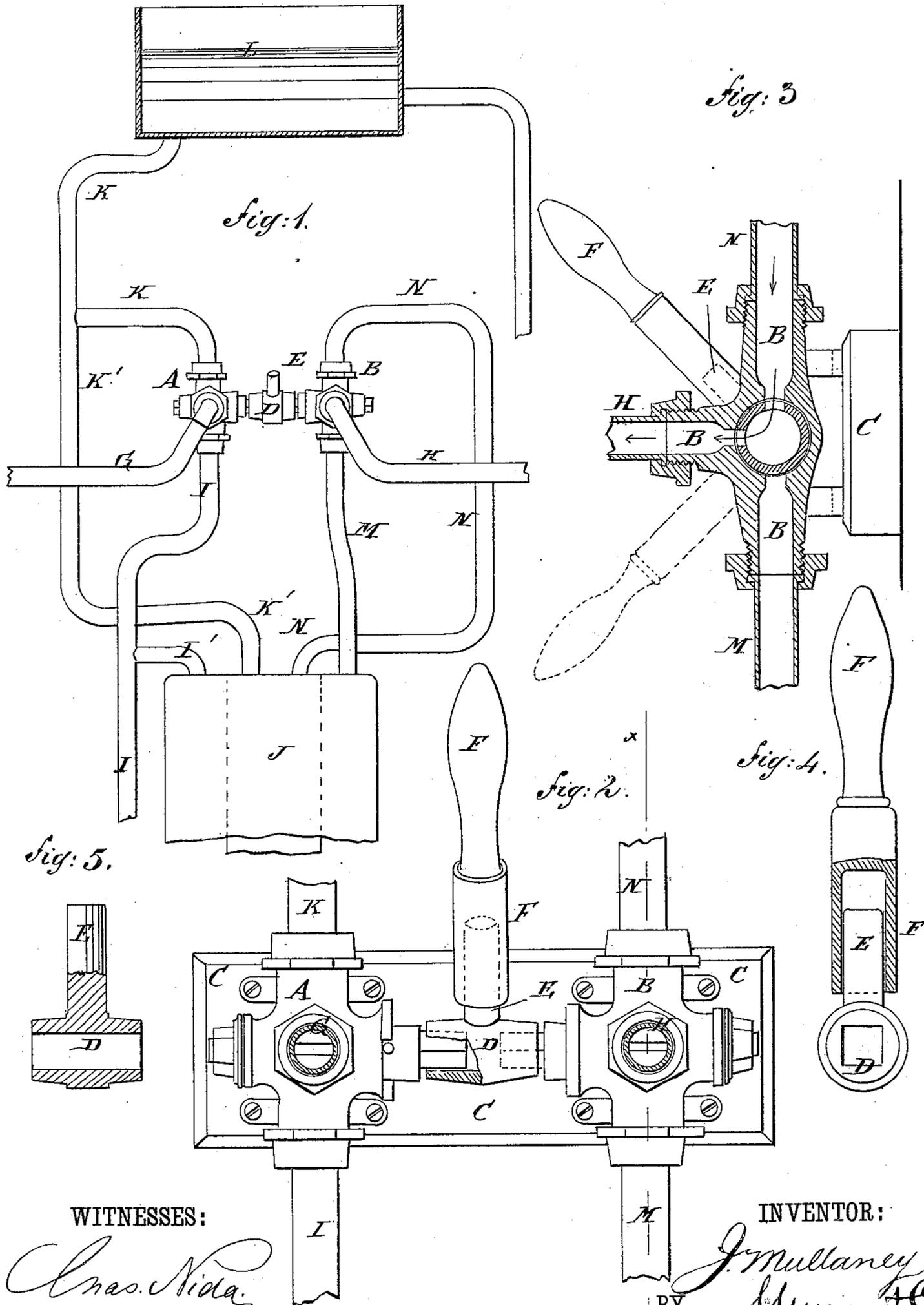


(Model.)

J. MULLANEY.
COMPOUND CUT-OFF COCK.

No. 246,538.

Patented Aug. 30, 1881.



WITNESSES:

Chas. Nida
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INVENTOR:

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UNITED STATES PATENT OFFICE.

JAMES MULLANEY, OF NEW YORK, N. Y.

COMPOUND CUT-OFF COCK.

SPECIFICATION forming part of Letters Patent No. 246,538, dated August 30, 1881.

Application filed June 18, 1881. (Model.)

To all whom it may concern:

Be it known that I, JAMES MULLANEY, of the city, county, and State of New York, have invented certain useful Improvements in Compound Cut-Off Cocks, of which the following is a specification.

Figure 1 is an elevation of my improvement, illustrating its use. Fig. 2 is an elevation of the same on a larger scale, and with the pipes broken away. Fig. 3 is a sectional elevation of the same, taken through the line *xx*, Fig. 2. Fig. 4 is an end elevation of the lever-coupling, partly in section. Fig. 5 is a sectional side elevation of the same, the handle being detached.

Similar letters of reference indicate corresponding parts.

The object of this invention is to facilitate the controlling of a water-supply from two distinct sources through the same delivery-pipes.

The invention consists in the combination, with the squared bases of the plugs of two three-way cocks, of the coupling having a square aperture to receive the squared ends of the plugs and a radial stem to receive the lever-handle, whereby the delivery of cold and hot water from two distinct sources through the same delivery-pipes can be readily controlled, as will be hereinafter fully described.

In the accompanying drawings, A B represent two ordinary three-way cocks, which are secured to a plate, C, a wall, or other support, with the bases of their plugs toward and at a little distance from each other. The bases of the plugs of the cocks A B are squared off to fit into the square aperture or socket through the coupling D, so that both the said plugs can be operated at the same time and by a single movement of the said coupling D. Upon one side of the coupling D is formed a stem, E, which fits into an aperture or socket in the end of the lever-handle F, so that the said coupling can be conveniently operated. With the outlet-nozzles of the cocks A B are connected the ends of the pipes G H, through which water is delivered to a basin or other desired place. With one of the inlet-nozzles of the cock A is

connected a pipe, I, leading to a water-main, and from which a branch pipe, I', leads to the outer compartment of the double boiler J. With the other inlet-nozzle of the cock A is connected a pipe, K, leading to a tank, L, placed upon the roof of the building or in some other elevated position. From the pipe K a branch pipe, K', leads to the inner compartment of the double boiler J. With one of the inlet-nozzles of the three-way cock B is connected a pipe, M, leading to the outer compartment of the double boiler J. With the other nozzle of the three-way cock B is connected a pipe, N, leading to the inner compartment of the double boiler J.

With this construction, when the water-pressure in the main is sufficient to raise the water to the desired height, the three-way cocks A B are adjusted to open a communication between the pipes I G and M H, respectively, so that the water from the main can be used. In case the pressure in the main is insufficient to raise the water to the required height the two three-way cocks A B are adjusted to open a communication between the pipes K G and N H, respectively, so that water can be used from the tank L.

With my improvement two three-way cocks, A B, can be adjusted by a single movement of the coupling D, and without any possibility of their being so adjusted as to open a communication between the wrong pipes.

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

The combination, with the squared bases of the plugs of two three-way cocks, A B, of the coupling D, having a radial stem, E, upon one side to receive a lever-handle, F, substantially as herein shown and described, whereby the delivery of cold and hot water from two distinct sources through the same delivery-pipes can be readily controlled, as set forth.

JAMES MULLANEY.

Witnesses:

JAMES T. GRAHAM,
C. SEDGWICK.