

(No Model.)

J. H. SOLIS.
COMPRESSION BASIN COCK.

No. 273,177.

Patented Feb. 27, 1883.

Fig: 1.

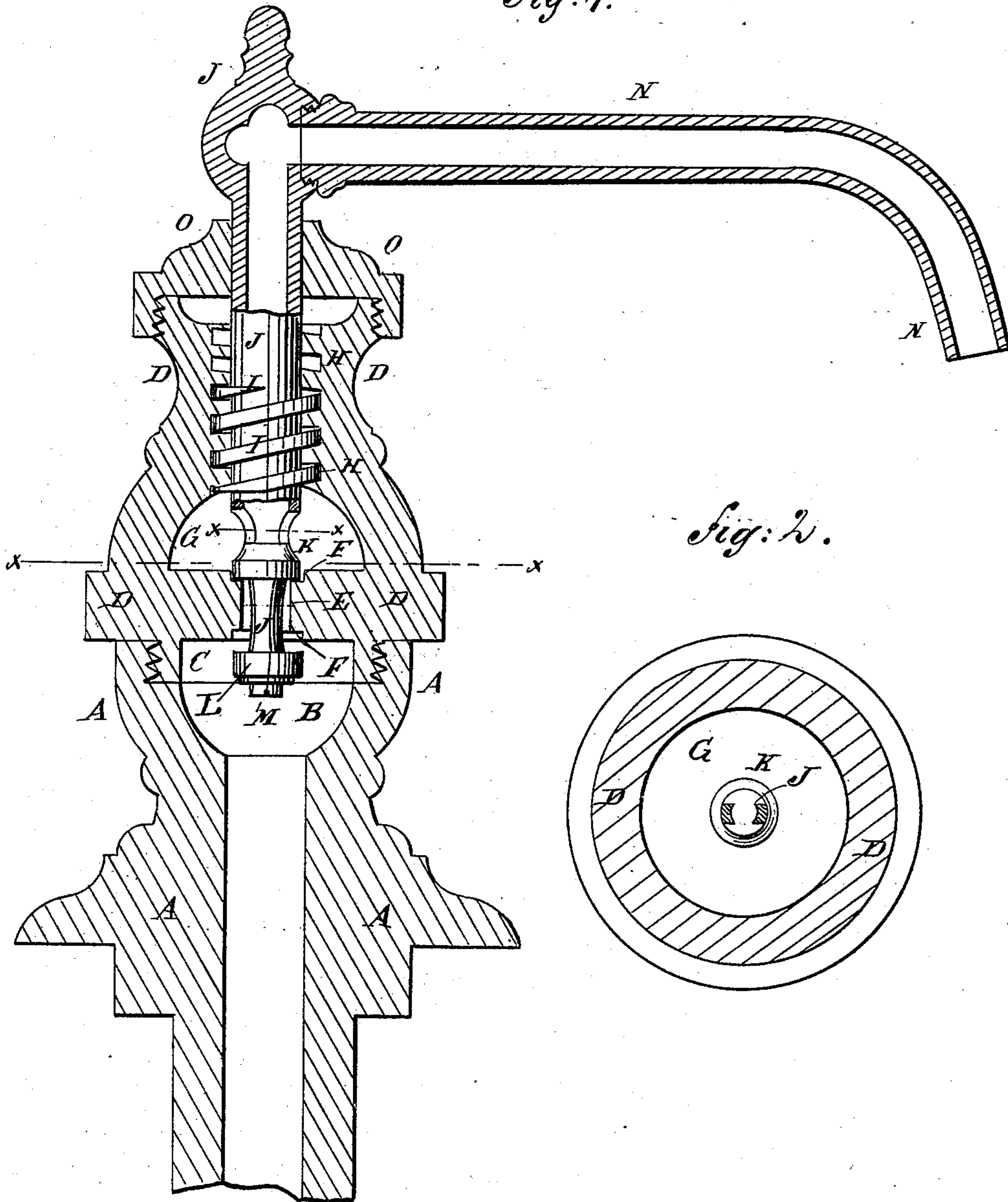


Fig: 2.

WITNESSES:

Chas. Nida
A. Sedgwick

INVENTOR:

J. H. Solis
BY *Munn & Co*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOHN H. SOLIS, OF NEW YORK, N. Y., ASSIGNOR TO HIMSELF AND BERNARD McGRANN, OF SAME PLACE.

COMPRESSION BASIN-COCK.

SPECIFICATION forming part of Letters Patent No. 273,177, dated February 27, 1883.

Application filed December 15, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. SOLIS, of the city, county, and State of New York, have invented a new and useful Improvement in Compression Basin-Cocks, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a sectional elevation of my improvement. Fig. 2 is a sectional plan view of the same, taken through the line *xxxx*, Fig. 1.

The object of this invention is to provide compression basin - cocks constructed in such a manner that they can be closed by turning the valve-stem through a quarter of a revolution in either direction.

The invention consists in a compression basin-cock constructed with a stock made in two parts and provided with two valve-seats. The valve-stem is provided with two valves, is made tubular, and has a screw-thread formed upon it and a nozzle attached to it, the valves and screw-thread being so arranged that the cock, when open, can be closed by turning the valve-stem in either direction, as will be hereinafter fully described.

A represents the lower part of the stock, which is designed to be secured to the basin-stand, and connected with the water - pipe in the ordinary manner. The upper end of the part A has a recess, B, formed in it, to serve as a valve-chamber, and has a rabbet formed in its inner edge, in the shoulder of which is formed a screw-thread, to receive a screw-thread in the outer surface of the annular flange C, formed upon the lower end of the upper part, D, of the stock. In the center of the bottom of the part D is formed a perforation, E, having a valve-seat, F, at each end. In the upper part, D, of the stock, just above its bottom, is formed a chamber, G, to serve as a valve-chamber. The upper part, D, is perforated from its upper end to the valve-chamber G, and in the surface of the said perforation is formed a screw-thread, H, to receive the screw-thread I, formed upon the valve-stem J. The lower part of the valve-stem J passes through the perforation E, and has a valve, K, formed upon it above the bottom of the part D, and a valve, L, secured to

its end below the said bottom by a screw, M, so that the said lower valve can be detached, to allow the valve-stem to be inserted in and removed from the upper part of the stock. The valves K L are placed at a distance apart equal to half the vertical distance apart of the screw-threads I and the thickness at the valve-seats F of the upper part, D, so that when the cock is fully open it can be closed by turning the stem J through one-quarter of a revolution in either direction. The part of the valve-stem J above the valve K is made tubular for the passage of the water, the lower end of the said passage opening into the valve-chamber G. The upper end of the valve-stem J is closed, and in its side is formed an opening having a screw - thread in its surface, into which is screwed the end of the nozzle N. The upper part of the valve-stem J is made smooth, and passes through a hole in the cap O, which is screwed upon the upper end of the upper part, D, of the stock. The upper end of the upper part, D, is recessed, to receive packing to prevent water from leaking out along the screw-threads H I. With this construction, by unscrewing the upper part, D, of the stock, removing the lower valve, L, and unscrewing the cap O, the valve - stem J can be screwed out, so that the valves K L can be readily repacked when required.

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

1. A compression basin - cock constructed substantially as herein shown and described, and consisting of the stock made in two separable parts, A D, and provided with two valve-seats, F, the two valves K L, the valve-stem J, provided with a screw - thread, I, and the nozzle N and cap O, as set forth.

2. In a compression basin - cock, the combination, with the stock A D, having two valve-chambers, B G, and two valve-seats, F F, and the tubular valve-stem J, having screw-thread I, of the two valves K L, substantially as herein shown and described, whereby the cock can be closed by turning the said valve - stem in either direction, as set forth.

JOHN H. SOLIS.

Witnesses:

JAMES T. GRAHAM,
O. SEDGWICK.