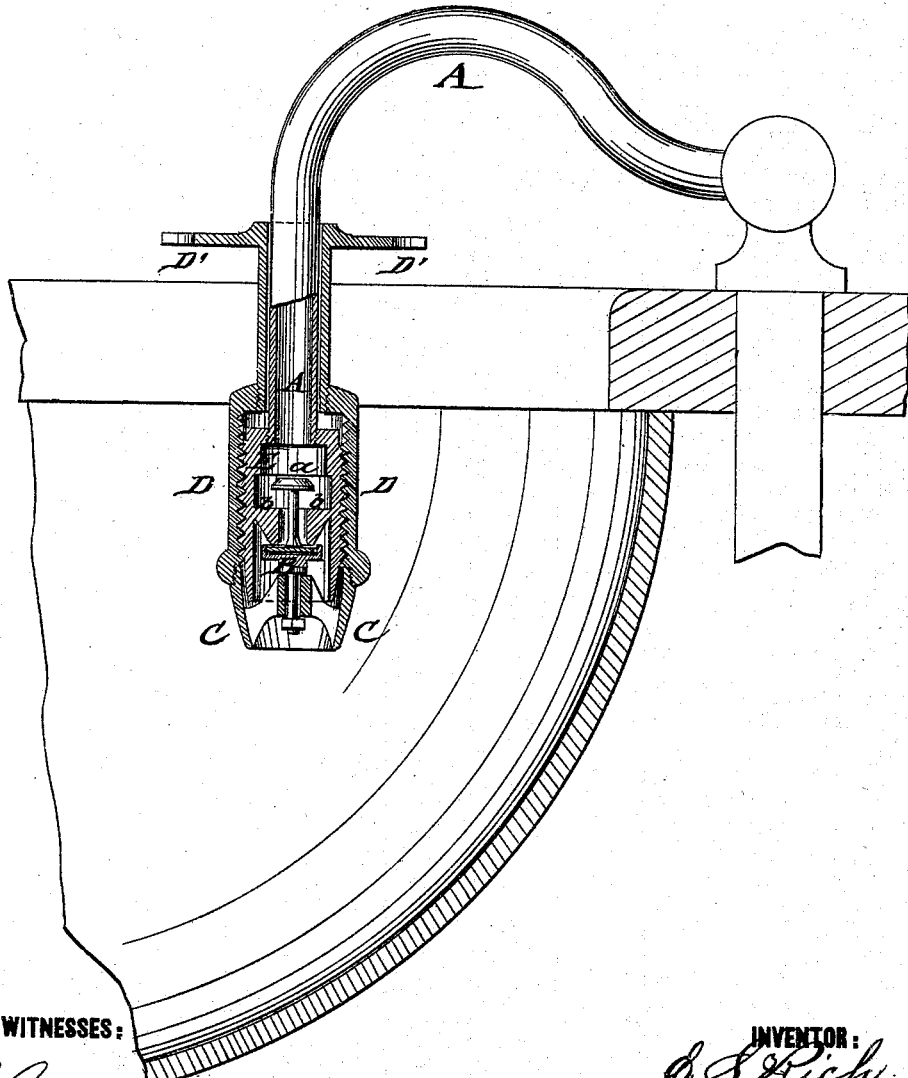


E. S. RICH.
BASIN-FAUCET.

No. 182,603.

Patented Sept. 26, 1876.



WITNESSES:

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UNITED STATES PATENT OFFICE.

EDWIN S. RICH, OF NEW YORK, N. Y.

IMPROVEMENT IN BASIN-FAUCETS.

Specification forming part of Letters Patent No. 182,603, dated September 26, 1876; application filed August 7, 1876.

To all whom it may concern:

Be it known that I, EDWIN S. RICH, of the city, county, and State of New York, have invented a new and useful Improvement in Basin-Faucets, of which the following is a specification:

The object of my invention is to so improve the basin-faucets, for which Letters Patent have been granted to me under date of July 4, 1876, and numbered 179,608, that the water is prevented from passing out at the upper part of the sleeve, and also that, by an additional valve arrangement, the water is shut off, while the compression-valve is removed for replacing the rubber or other packing.

The invention consists, first, of a flange extension of the interior collar into the nozzle of the faucet; and, secondly, of an additional stem-valve and seat arranged above the compression-valve, so as to close the water-passage when the compression-valve is removed.

The accompanying drawing represents a vertical central section of my improved basin-faucet.

In the drawing, A represents the water-pipe of a basin, tube, sink, or other article, and B the compression-valve at the discharge end of the same. The valve B is seated in the nozzle C, and secured by a screw-socket or sleeve, D, to the threaded collar E of pipe A. The compression-valve is tightly set against a seat of the collar E, and closes or opens thereby the water-pipe, as turned in one or the opposite direction by a rim or flange, D', placed at suitable height above the sleeve D. I have found by experience that the water is liable to pass up between the collar and sleeve, and produce the leaking of the faucet at the upper drawn-in part of the sleeve under considerable pressure. To avoid this I extend the collar E at the lower part into the nozzle around and below the compression-valve, so as to convey the water to the dis-

charge-opening of the nozzle, and prevent its rising and leaking out of the same at parts above.

The collar E is arranged with an additional stem-valve, *a*, and a valve-seat, *b*, the stem of valve *a* being made long enough to rest on the compression-valve during the use of the same, so as to admit a free discharge of water.

When the compression-valve is taken off by unscrewing the nozzle, for the purpose of replacing the rubber or other packing in the seat of the valve, the stem-valve is called into action as the contact with the compression-valve is interrupted. The bend of the valve is brought by the pressure of the water into contact with the seat, and thereby the escape of water prevented during the time required for replacing the packing and reattaching the nozzle. The nozzle is then screwed on again, the stem-valve lifted, and the faucet brought back to its regular working, without necessitating the shutting off of the water during the time the valve is repaired.

The efficient working of my improved basin-faucet is thus considerably increased, and the same handled more easily and satisfactorily.

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

1. As an improvement in basin-faucets, the interior threaded collar E, extended around and below the compression-valve into the nozzle, to prevent leaking of faucet at upper part of sleeve, substantially as and for the purpose set forth.

2. The inner collar E of a basin-faucet, having interior valve-seat and stem-valve, to be closed by pressure of water on removing compression-valve, substantially as specified.

EDWIN S. RICH.

Witnesses:

C. SEDGWICK,
ALEX. F. ROBERTS.