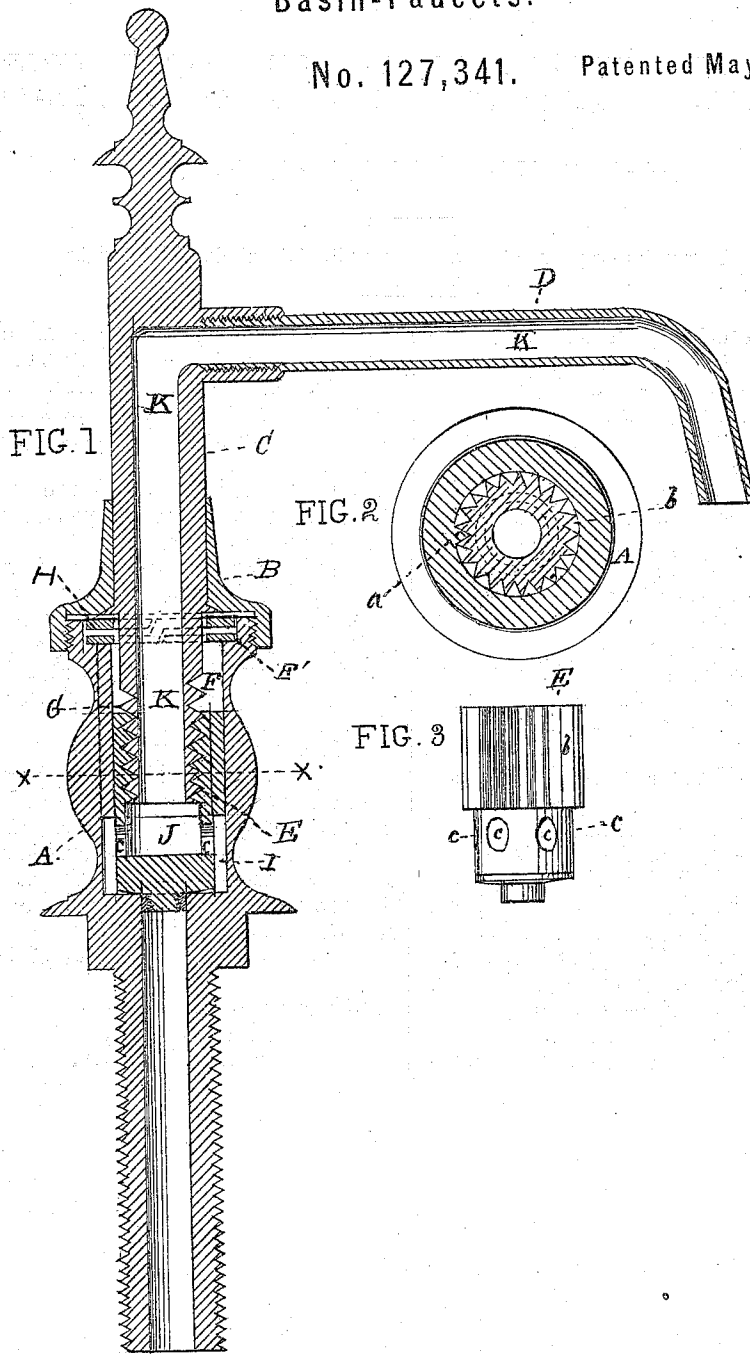


WILLIAM GORDON.

Basin-Faucets.

No. 127,341.

Patented May 28, 1872.



WITNESSES.

Samuel S. Ketchley
Thomas J. Bewley

INVENTOR.

William Gordon
By His Attorney,
Stephen W. Stick

UNITED STATES PATENT OFFICE.

WILLIAM GORDON, OF PHILADELPHIA, PA., ASSIGNOR TO HIMSELF, THOMAS KENNEDY, AND ANDREW McCAMBRIDGE, OF SAME PLACE.

IMPROVEMENT IN BASIN-FAUCETS.

Specification forming part of Letters Patent No. 127,341, dated May 28, 1872.

Specification describing certain Improvements in Swing Compression-Cocks, invented by WILLIAM GORDON, of the city of Philadelphia and State of Pennsylvania.

My invention consists of a novel mode of adjusting the plunger, so that when connected with the screw of the stem the valve shall be closed when the nozzle is thrown back to the desired position, and open when it is thrown forward over the basin by means of a rib on one side of the plunger-chamber, and a series of corresponding grooves in the periphery of the plunger, as hereinafter described.

Figure 1 is a vertical section of the improved cock. Fig. 2 is a cross-section at the line *xx* of Fig. 1. Fig. 3 is a side elevation of the plunger E.

Like letters in all the figures indicate the same parts.

A is the base of the cock; and B, the cap. C is the swivel-stem, and D the nozzle, connected therewith. E is the plunger, in the chamber F of the base A, connected with the vertical screw G of the swivel-stem C. The chamber has a vertical V-shaped rib, *a*, at one side, and the plunger E a series of corresponding grooves, *b*, in its periphery, to provide for regulating the position of the nozzle D, when the plunger is connected with the screw G of the

stem C, the series of grooves admitting of the plunger being turned around either way in its adjustment, so that the valve shall be closed when the nozzle is thrown back to the position desired and opened when it is thrown forward over the basin.

The rib *a* and grooves *b* are represented in the drawing of V-shape, yet any other form will answer the purpose.

The plunger is reduced in diameter at its lower end below the grooves *b*, so as to form an annular space, I, for the water. The water passes from this space through the openings *c* of the plunger into the chamber J, and thence through the passage K in the screw G, stem C, and nozzle D.

I claim as my invention—

The combination of the rib *a* on one side of the chamber F, and the series of corresponding grooves *b* on the periphery of the plunger E, for regulating the closing of the valve when the nozzle is thrown back and the opening of the same when thrown forward over the basin, substantially as described.

WILLIAM GORDON.

Witnesses:

STEPHEN USTICK,
THOMAS J. BEWLEY.