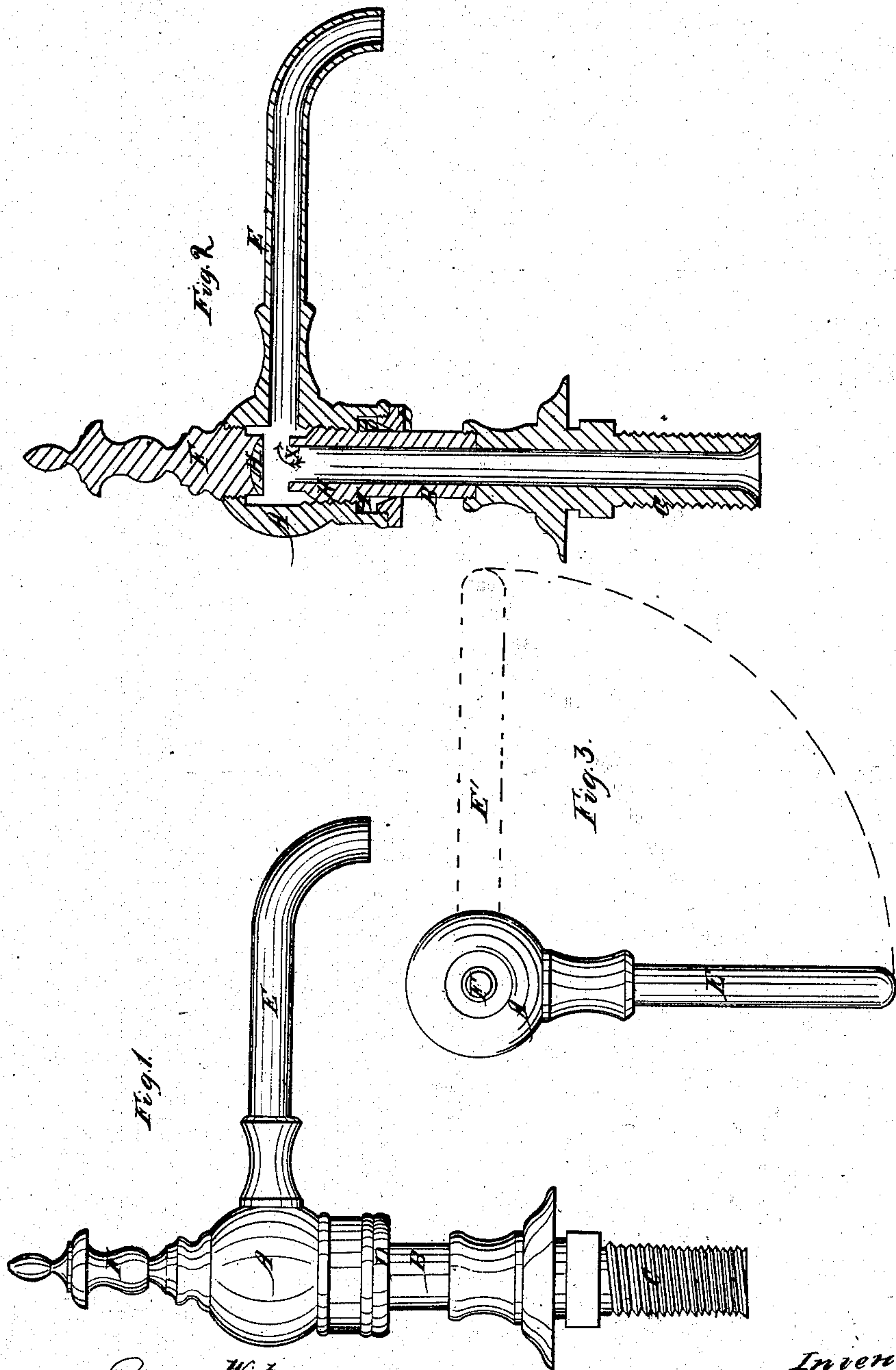


No. 68,123,

PATENTED AUG. 27, 1867.

M. & W. SCRANNAGE & W. H. BATE.
SWINGNOSE BASIN FAUCET.



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OF BOSTON, MASSACHUSETTS.

Letters Patent No. 68,123, dated August 27, 1867.

IMPROVEMENT IN SWING-NOSE BASIN FAUCETS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that we, MATTHEW SCRANNAGE, WILLIAM SCRANNAGE, and WALLACE H. BATE, all of Boston, in the county of Suffolk, and State of Massachusetts, have invented certain new and useful improvements in Swing-Nose Basin Faucets; and we do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of our invention consists in so constructing a basin faucet that we may dispense with the handle or lever, plug and cap of the ordinary compression-cock, and making the outlet tube answer the fourfold purpose of handle, plug, cap, and outlet, thereby achieving greater strength, solidity, and simplicity of construction, together with the grand desideratum called in trade parlance a "swing-nose."

To enable others skilled in the art to make and use our invention, we will proceed to describe its construction and use.

Figure 1 is an elevation of our improved basin faucet.

Figure 2 shows the same in section.

Figure 3 is a plan of our basin faucet. The dotted lines represent it as it appears when turned back.

To construct our improved basin faucet we proceed as follows: We first make of suitable metal the shank C B, figs. 1 and 2. The lower end of this shank has a screw, C, cut upon it, as shown in fig. 2; this serves to connect it to the delivery pipe. The upper end of this pipe is also provided with a coarse-cut screw at K, fig. 2. This screw fits in the corresponding one cut in the head or cap A, fig. 2. The cap and nose A E are constructed of any suitable metal, in the general manner and form shown in the drawings. The part F forming the ornament of the cap is screwed into the globe part A, as represented in fig. 2. The lower end of F has a valve-seat, H, made of soft metal sweated or soldered on to its lower end, as shown in fig. 2. D represents a follower or nut, which screws into the part of the cap A, and fits around the neck B of the shank. Between the follower D and the washer I any suitable packing is placed, which, pressing closely around the neck B, makes the cock water-tight. Fig. 2 represents the cock as it appears in section when open, the water flowing in the direction indicated by the arrow X. It will readily be seen that if we take hold of the nose E and turn the cap around it will screw itself down, so as to bring the soft metal valve H hard down upon the end of the shank B, thus effectually closing the water-cock and checking the flow of water.

This faucet combines the utility of the compression with the convenience of the ground-joint faucet, and is superior to the latter, because at any angle the tube is moved to, the water runs, and it permits a greater flow than can be obtained from any swing-basin faucet of similar size now in use. Where, in other faucets they place the working plugs in a chamber formed above the valve-seat, we reverse the procedure, and form the plug on the shank, thus dispensing with the use of separate plugs, handles, &c., and causing the chamber with its outlet tube, &c., which forms the cap, to work over this plug, forming the lid of the valve in the top of the chamber, or in an ornament fastened into the top. This chamber being fitted to its place on the plug, we keep it there, and at the same time make the cock pressure tight by means of the packing-box O on the lower part of the chamber, with its stuffing-nut upon the shank. Another feature of the faucet is the manner of forming a soft-metal valve lid by sweating the metals together, thereby forming a solid washer, avoiding the use of a separate washer and screw, much preferable on account of its non-liability to get out of order, (a great fault in the old method,) and easiness of repair.

Having thus fully described and set forth the utility of our improved basin-faucet, we will now state our claim.

What we claim as our invention, and desire to secure by Letters Patent, is—

A swing-nose basin faucet, when the several parts A, B, E, O, F, and H thereof are constructed and arranged substantially as described and for the purpose set forth.

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Witnesses:

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