

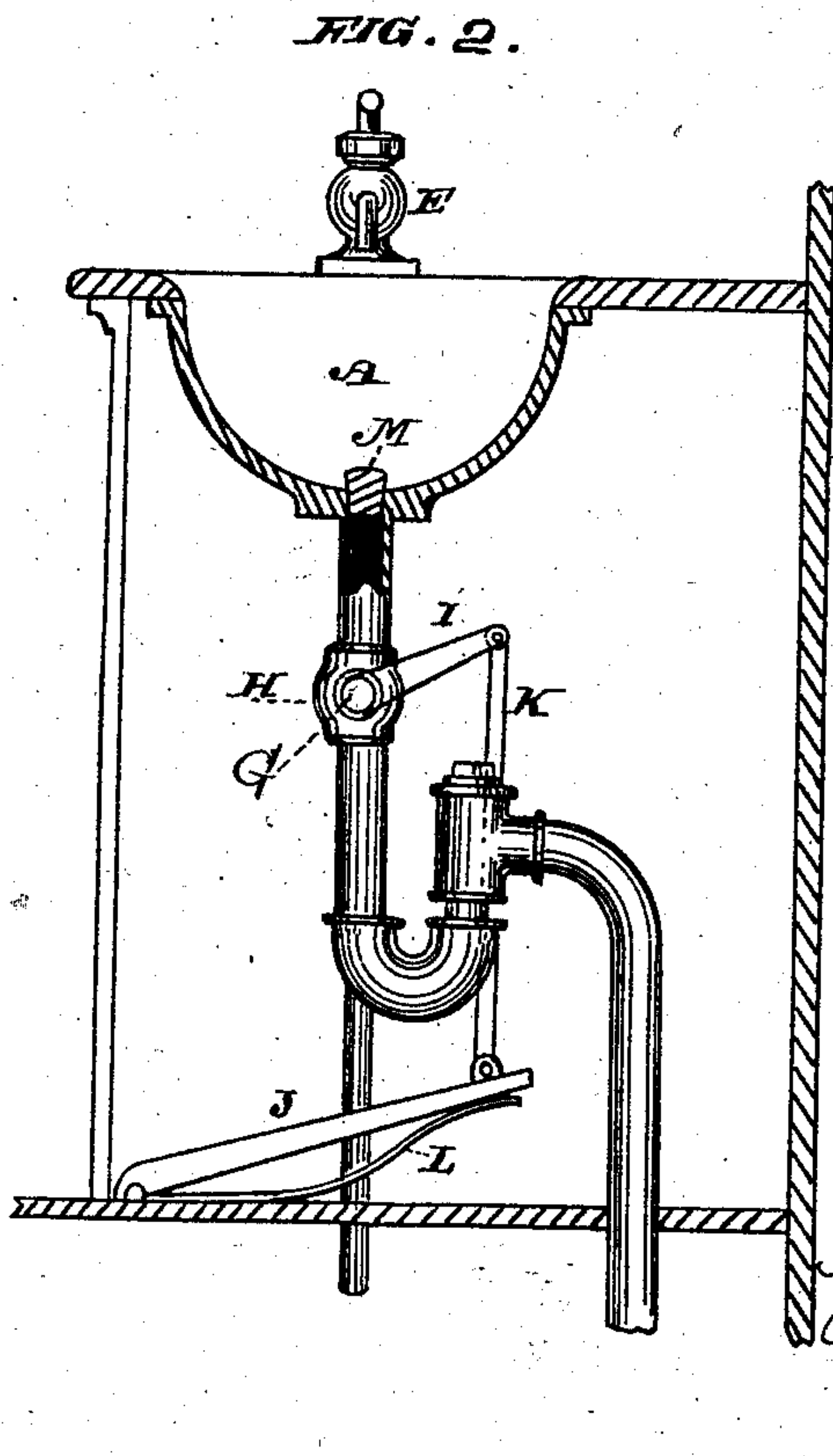
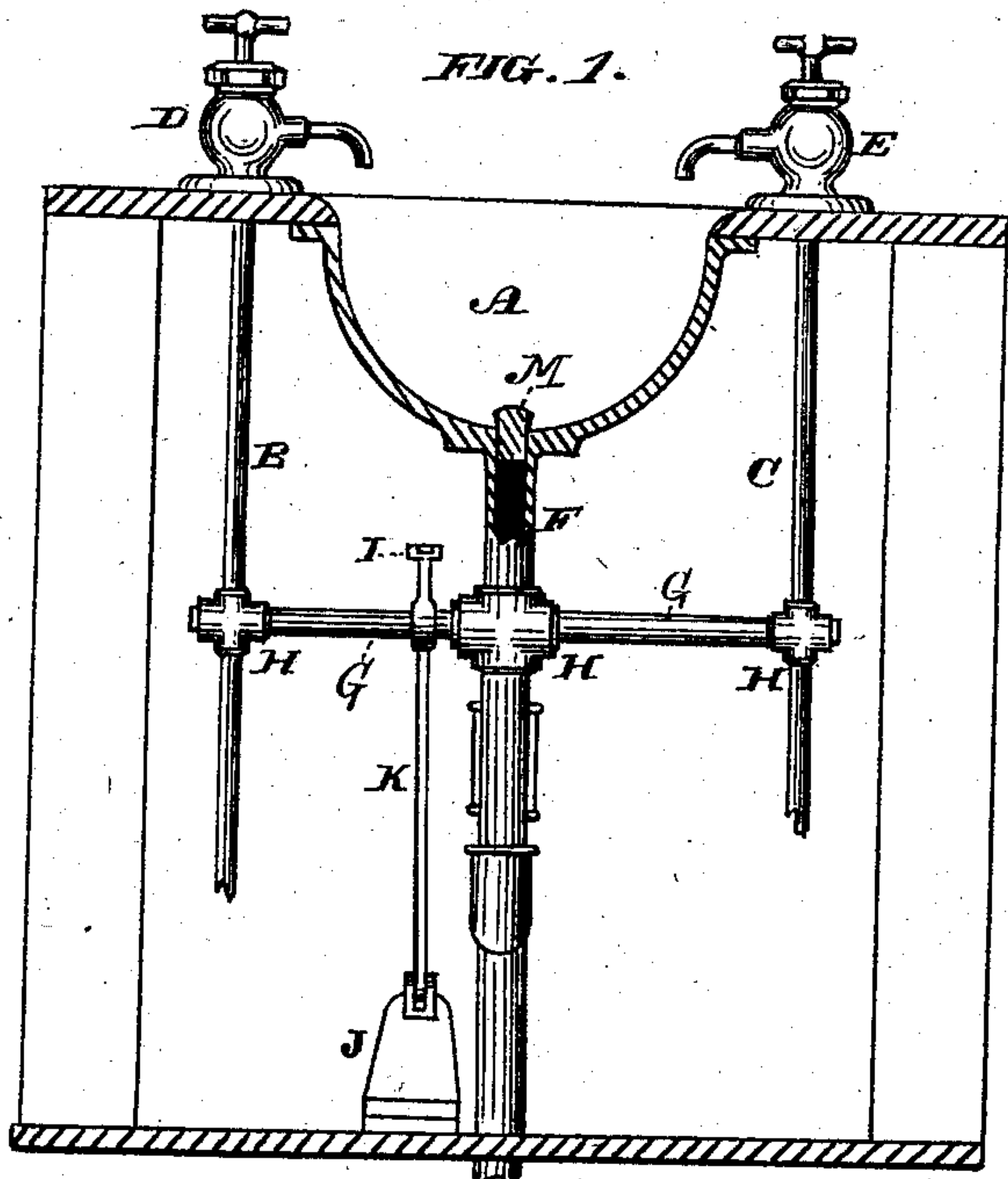
(No Model.)

H. SMITH.

BASIN AND WATER CLOSET VALVE.

No. 289,937.

Patented Dec. 11, 1883.



Witnesses,
J. A. Nurse.
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UNITED STATES PATENT OFFICE.

HOLLAND SMITH, OF SAN FRANCISCO, CALIFORNIA.

BASIN AND WATER-CLOSET VALVE.

SPECIFICATION forming part of Letters Patent No. 289,937, dated December 11, 1883.

Application filed March 31, 1883. (No model.)

To all whom it may concern:

Be it known that I, HOLLAND SMITH, of San Francisco, county of San Francisco, State of California, have invented an Improved Basin and Water-Closet Valve; and I hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to certain improvements in valve-connections for basins, sinks, and for other similar purposes.

It consists of a mechanism more fully explained by reference to the accompanying drawings, in which—

Figures 1 and 2 are partly sectional views of my invention.

I have illustrated my invention in the present case as applied to a wash-basin having hot and cold water supply pipes and a waste-discharge pipe; but it will be manifest that practically the same mechanism will be applicable to a sink or other place where there are one or more supply-pipes and an exit, waste, or discharge pipe, either with or without a trap.

A is a bowl properly set, and having the supply-pipes B C for hot and cold water, and the stop-cocks D and E.

F is the waste-pipe, which leads from the bottom of the bowl, and may have a trap of any description, if desired. The water-supply pipes B C and the waste-pipe are brought near enough together at some point below the bowl to allow the valves H, which control them, to be operated by a single shaft, G, to which they are connected. In the present case the valves are of a rotary pattern, and are so arranged that they all will be opened or closed together; but they may be also arranged so that one or more will be opened and the other closed by the action of the shaft.

I is an arm or crank, which is connected

with the shaft G, and if it is not in the proper location to admit of a direct attachment to the treadle J it may be connected with it by a pitman or connecting-rod, K. A spring or weight, L, may be employed to return the shaft and valves, so as to close them when the treadle is released.

When the bowl is to be used, the foot may be placed upon the treadle and all the valves H will be opened. The plug M being in the discharge-opening of the basin, the cocks D or E may be opened and water drawn for use. After use the plug M may be withdrawn and the contents allowed to escape through the waste-pipe. The treadle being released, the valve H will be closed at once and no water can run; neither can there be any escape of sewer or other noxious gases from the waste-pipe. The valve acts as a perfect seal. The water-valves are closed as soon as the treadle is released, so that if the cocks D or E should be carelessly left open there would be no flooding, as the supply would be cut off instantly when the person released the treadle to go away.

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

A basin or sink having supply-pipes B and C, cocks D E, outlet-pipe F, and valves H, as herein set forth, in combination with the shaft G, lever I, pitman K, treadle J, and spring L, arranged to keep the valves H normally closed, as herein described.

In witness whereof I hereunto set my hand and seal.

HOLLAND SMITH. [L. s.]

Witnesses:

S. H. NOURSE,
G. W. EMERSON.