

W. H. ZINN.
WASH STANDS.

No. 180,814.

Patented Aug. 8, 1876.

FIG. 1.

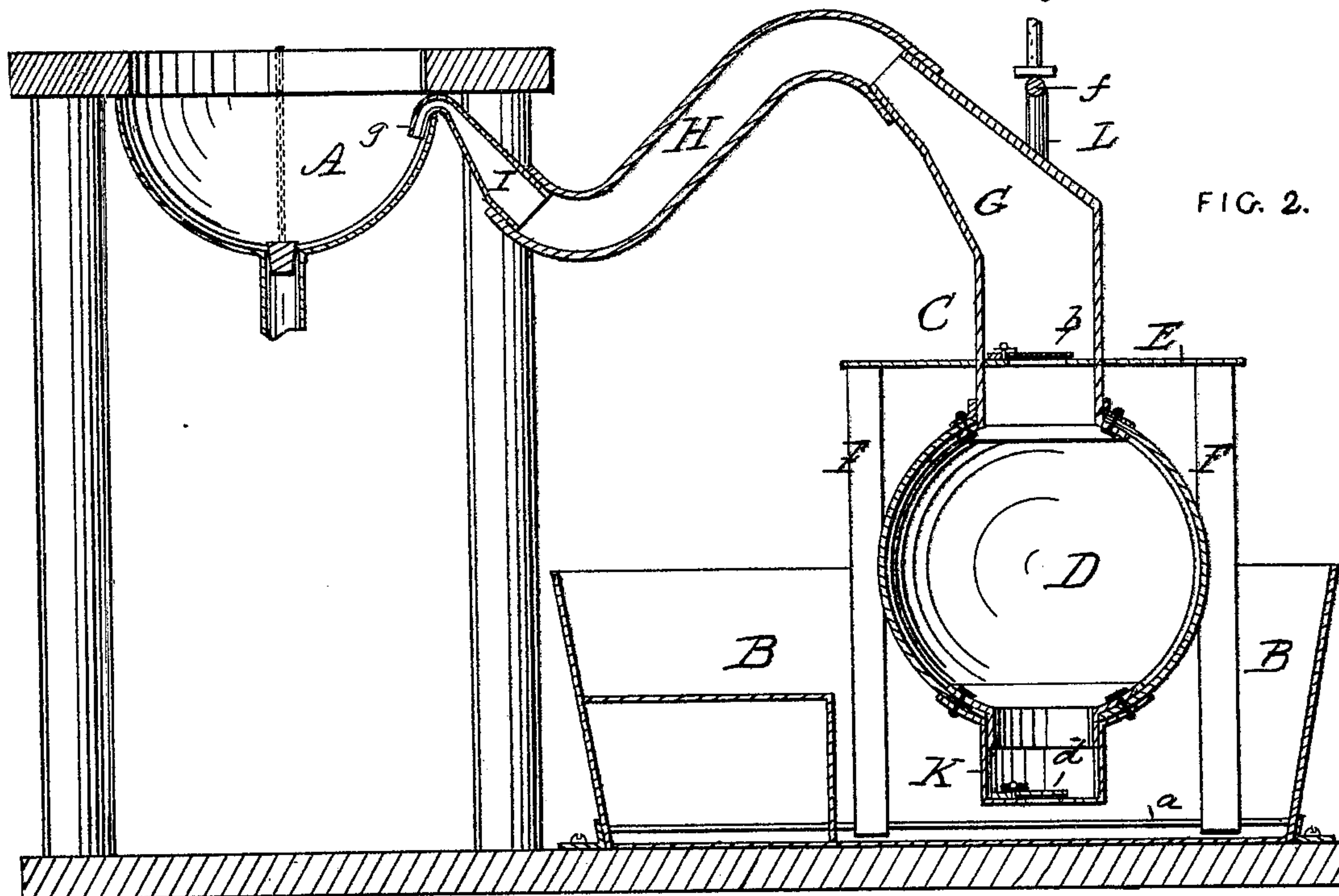
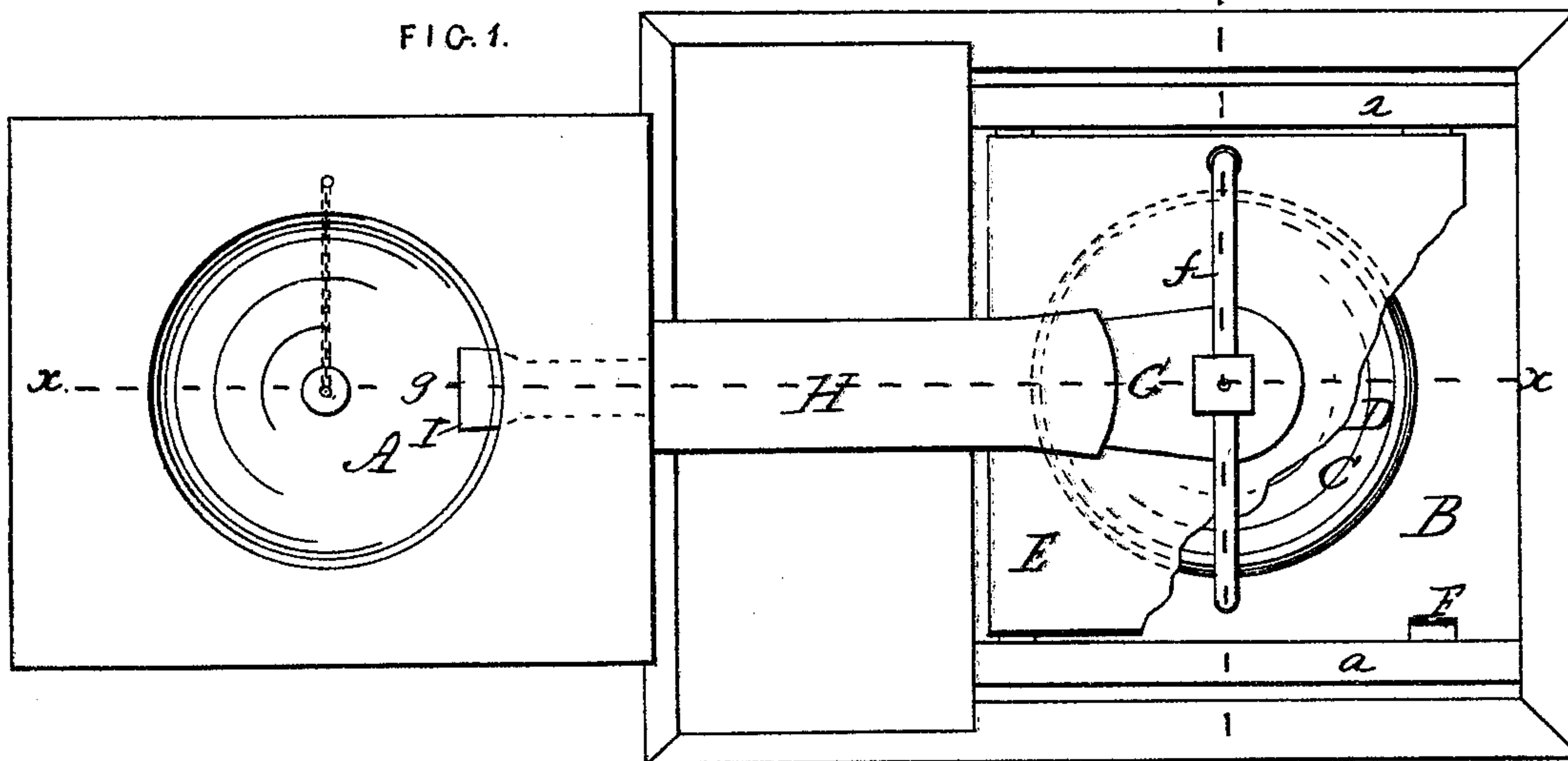
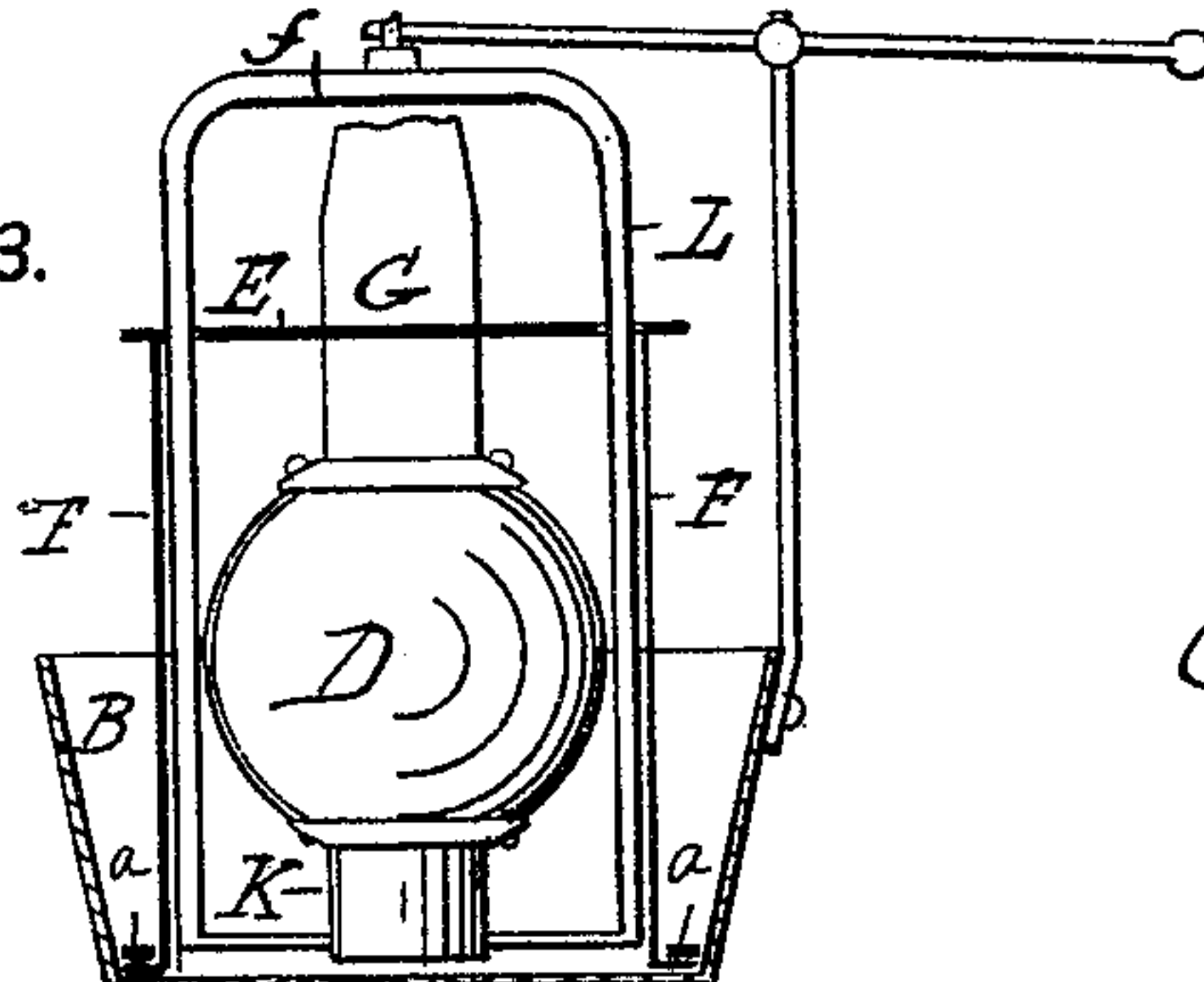


FIG. 2.

FIG. 3.



WITNESSES.

Geo. H. Carl.
E. H. Thork

INVENTOR.

W. H. Zinn
Per Brown Bros.
Attorneys.

UNITED STATES PATENT OFFICE.

WILLIAM H. ZINN, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN WASH-STANDS.

Specification forming part of Letters Patent No. **180,814**, dated August 8, 1876; application filed March 31, 1876.

To all whom it may concern:

Be it known that I, WILLIAM H. ZINN, of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improved Wash-Stand, of which the following is a specification:

This invention relates to wash-stands combining a wash-bowl and a water-tank with apparatus for pumping the water from the tank into the bowl when desired; and the invention consists in the arrangement and construction of the pumping apparatus, all as hereinafter particularly described.

In the accompanying plate of drawings, Figure 1 is a plan view; Fig. 2, a vertical section on line *x x*, Fig. 1; and Fig. 3, a view (smaller in size) in part vertical section on line *y y*, Fig. 1.

In the drawings, A represents a wash-bowl, set in a stand of any of the ordinary constructions; and B, a water-tank to be filled with water for use in the bowl A. This tank B is located below the bowl, and C is the apparatus for pumping its water into the wash-bowl A above. D, a hollow ball or globe, made of india-rubber or other elastic material, and secured in a vertical position to the under side of a plate, E, supported by legs F in the tank B, which legs F are interlocked with the ribs *a* at the bottom of the tank; G, a pipe leading from upper end of ball D, and extending therefrom by an elastic tubular connecting-pipe, H, to the pipe I, which enters the bowl A. Within the pipe G is a flap-valve, *d*, opening only for a delivery from the ball D toward the pipe L of the wash-bowl. *d*, a flap-valve opening inward at the lower end of a short vertical tube, K, attached to the ball D at its lower end; and L, a frame connected to the lower end of the vertical tube K, and by its up-rights passing through the plate E, to which the ball is attached, and above the plate E terminating in any suitable construction, such as the cross-piece *f*, whereby said frame can

be lifted with a direct application of the hand, or through the medium of a lever, as shown in Fig. 3, and thus the elastic ball be compressed, and what water is in it driven forward through the upper valve *b* into the wash-bowl A. Depressing the frame forces the ball to its usual position, and as its lower end enters the water in the tank the water rushes through the valve thereat, and again fills the ball with water for another delivery, as before, into the wash-bowl.

This construction of the pumping apparatus secures a direct drive of the water from the water-tank to the wash-bowl, and it is most simple and efficient.

The end *g* of pipe I, where it enters the wash-bowl A, and for a short distance inside the same is flattened, so that the water, as it passes through the pipe I into the bowl, will be spread to the right and left, and as the end *g* is also bent downward, the water will pass downward around the inside of the bowl. This feature is particularly applicable for use in water-closet bowls, as is obvious.

The elastic pipe H can be connected directly to the wash-bowl, to the nozzle made on and forming a part of the bowl, in lieu of as shown in the drawings in Fig. 2. In such case the mouth of the nozzle in the inside of the bowl should be covered with a cap or spreader, to throw the water, as it enters the bowl, either directly downward or to each side, as desired.

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

The elastic ball D, having valves *b* and *d*, and operating-frame L, in combination with a water-tank, B, and a wash-bowl, A, substantially as described, for the purpose specified.

WM. H. ZINN.

Witnesses:

EDWIN W. BROWN,
GEO. H. EARL.