

(No Model.)

J. PENNEY.
SUPPLY TANK FOR WASH STANDS.

No. 464,105.

Patented Dec. 1, 1891.

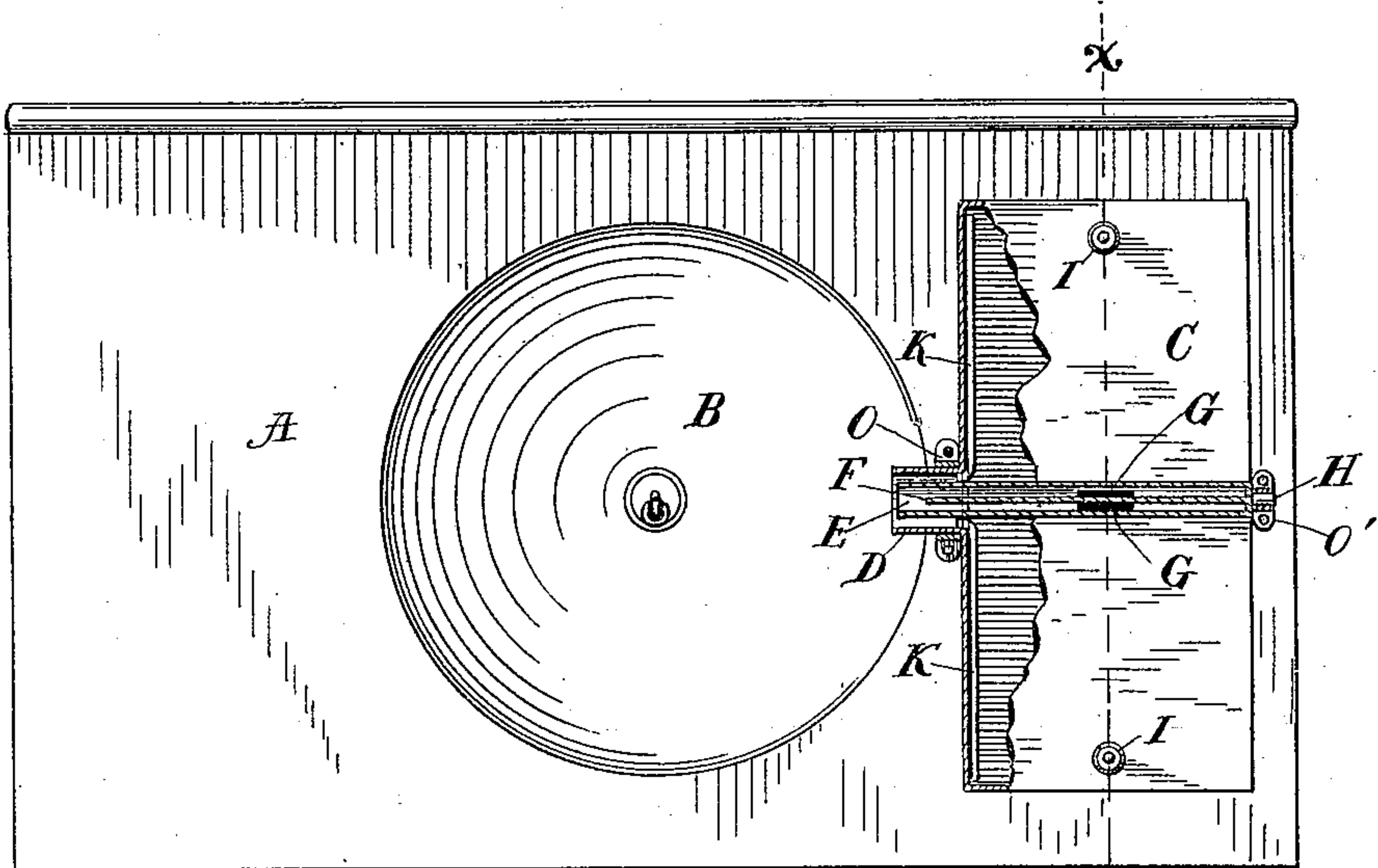


FIG. 1.

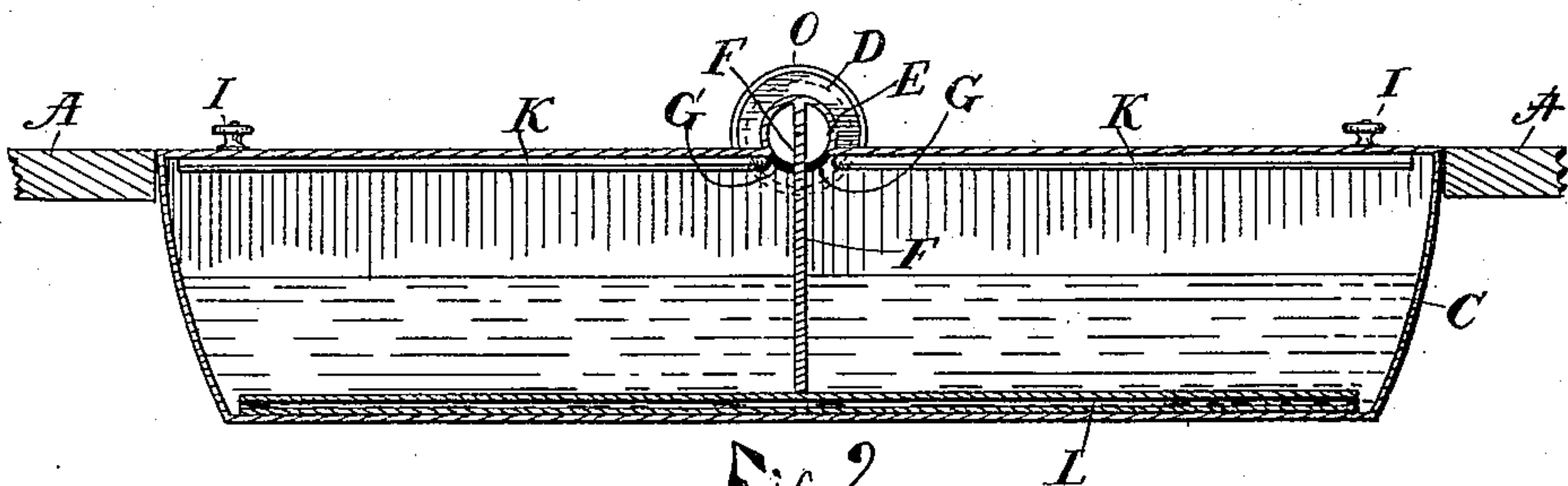


FIG. 2.

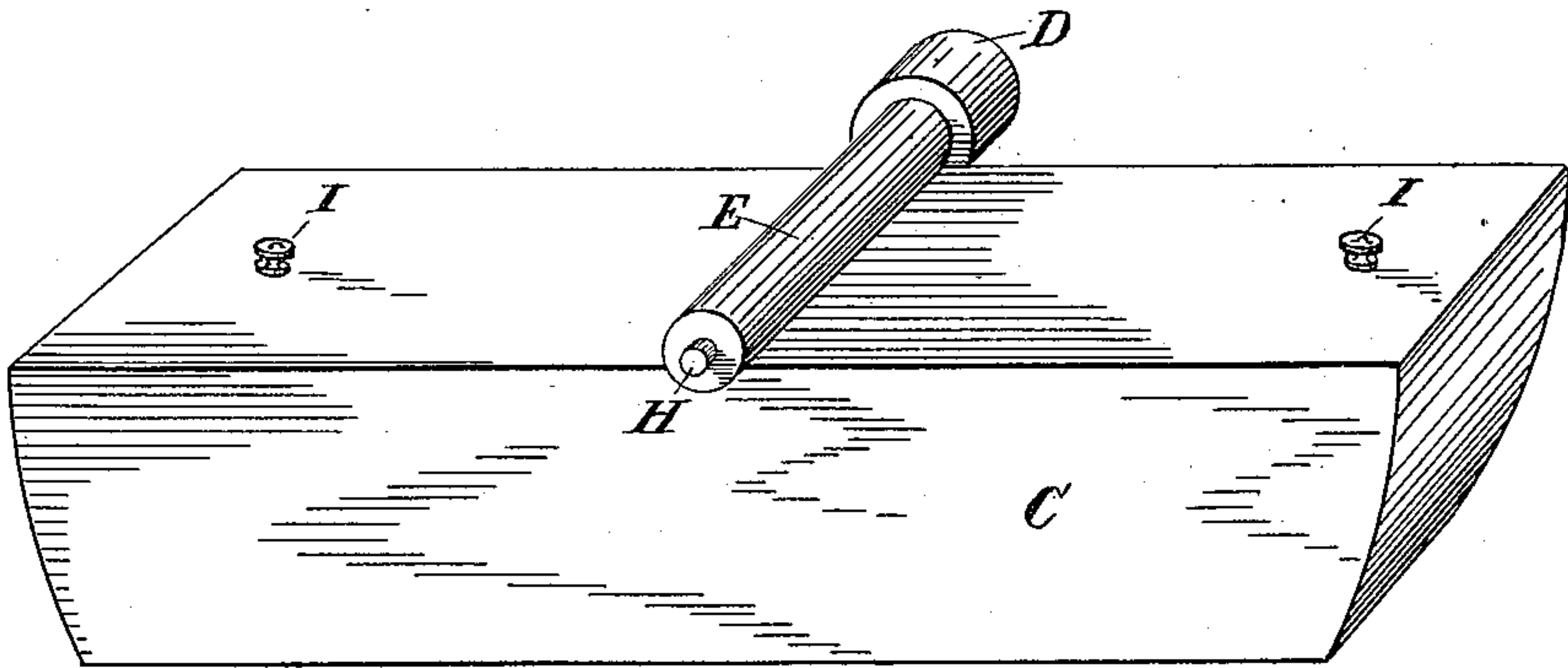


FIG. 3.

WITNESSES:

Harry P. Van Wagner
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INVENTOR

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JOSEPH PENNEY, OF GRAND RAPIDS, MICHIGAN.

SUPPLY-TANK FOR WASH-STANDS.

SPECIFICATION forming part of Letters Patent No. 464,105, dated December 1, 1891.

Application filed January 26, 1891. Serial No. 379,150. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH PENNEY, a citizen of the United States, residing at the city of Grand Rapids, in the county of Kent and State of Michigan, have invented a certain new and useful Supply-Tank for Wash-Stands, of which the following is a specification.

This invention relates to an oscillating or rotating supply-tank to be used in combination with a wash-stand or other analogous article of furniture containing a basin or reservoir for the water when emptied from the tank.

It also relates to the combination of an oscillating tank and a wash-basin in a wash-stand or analogous article of furniture.

The object of the invention is, first, to produce a supply-tank adapted to discharge the water directly from such supply-tank to any proper receptacle without the use of valves or other apparatus, and, second, to combine the supply-tank, constructed substantially as described, with a wash-stand suitably located to receive the water discharged from the supply-tank. These objects I accomplish by means of the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of a table or wash-stand containing a wash-basin and a supply-tank constructed in accordance with my invention. Fig. 2 is a sectional view on line x of Fig. 1, and Fig. 3 is a perspective view of the oscillating tank removed from the wash-stand or table.

Similar letters refer to similar parts throughout the several views.

A represents the upper part of the table or stand.

B represents the wash-basin, suitably located within the stand, and C represents the supply-tank, which tank is placed within a suitable frame or space and adapted to oscillate upon suitable axes, as hereinafter described.

E represents a discharge-pipe, having at one end a sleeve or tube fastened to the tank and surrounding the discharge-pipe, which sleeve piece or part is shown by D, and which, in the example of my invention shown in the drawings, serves as a journal for one side of the tank.

H represents a journal or bearing for the

other side of the tank. The discharge-pipe E extends transversely across the tank and is closed at the end opposite the discharge or basin end, and is provided with a partition F, which partition separates the pipe into two separate compartments or conduits, each compartment or conduit having an opening at G.

In the example of my invention shown in the drawings I extend the partition F to the bottom of the tank, thereby dividing the tank into two compartments, the water in one side or compartment of the tank adapted to flow through the opening G into one compartment of the discharge-pipe and the water in the other compartment adapted to flow through the counterpart opening G into its own compartment of the discharge-pipe. By this construction it will be seen that I practically make a double tank. The two compartments of the tank, however, are connected by a conduit, which preferably extends longitudinally along the bottom of the tank, as shown by L. The object of extending this conduit L to near the extremities of the tank is to prevent the water from flowing from one compartment into the other compartment of the tank when the tank is tilted for the purpose of emptying the water from one compartment into the basin. When the tank is in a horizontal or level position, this conduit allows the water to equalize in the two compartments and place them in balance on the tank center of oscillation.

I I represent two knobs, which may be used for tilting the tank. These knobs, however, may be dispensed with, as the tank may be tilted by downward pressure on either side, as well as by lifting.

In emptying the water from the tank into the wash-basin it is desirable to provide air-vents, so that the water will flow freely, and I provide such vents by connecting the opening between the outer piece or sleeve D and the discharge-pipe E to points within each compartment of the tank, which I extend, as shown in the drawings, to each extremity—one in either direction from the discharge-pipe. These openings or vent-tubes are shown by K K.

O represents a journal box or bearing for the journal D, and O' a journal box or bear-

ing for the journal H. I prefer to make the tank entirely inclosed, as shown in Fig. 3, and to supply the same with water through the discharge-pipe when the tank lies horizontal, using, for convenience, a funnel with a bent neck. Other methods, however, of supplying the tank with water may be adopted, if desired; but by the construction shown the tank is an inclosed vessel, divided into two compartments, with suitable arrangements for equalizing the amount of water in each through the conduit L. This conduit L may be shortened, if desired; but I prefer the form shown, as the extension of the conduit along the bottom of the tank to almost the ends of the tank insures that little or no water passes from the tilted to the depressed end during the process of oscillation to empty the tilted compartment.

The tank may be so supported on the journals as to revolve entirely around, or it may be constructed so as to oscillate a sufficient distance to empty the water from the tank merely. By this construction the tank can be cleaned by flushing it with water. This tank may be used in connection with a wash-stand or any other article of furniture adapted to support a wash-basin. I prefer to support the same within the case, so that it may readily be removed and replaced.

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

1. As a new article of manufacture, an oscillating water-tank divided into two chambers and provided with a longitudinally-divided discharge-pipe, which constitutes the journal with which the tank oscillates, said pipe having two independent openings arranged at opposite sides of its dividing-partition for discharging the water from either chamber of the tank, substantially as described.

2. The combination, with an oscillating case having a centrally-arranged internal partition

dividing it into two water-chambers, of a rotating longitudinally-divided discharge-pipe having independent openings communicating, respectively, with the two water-chambers for discharging the water from either chamber, and bearings supporting the opposite end portions of the pipe and upon which the latter is adapted to turn, substantially as described.

3. The combination, with a case or shell divided into two water-chambers, of a discharge-pipe extending transversely across, rigidly attached to the case or shell at or near its center and divided by a longitudinal partition, said pipe having an opening at each side of the partition, whereby the water can be discharged from either water-chamber, and stationary bearings on which the discharge-pipe is journaled, substantially as described.

4. The combination, with a case or shell divided into two chambers and provided at its bottom with a longitudinal conduit terminating at its extremities in juxtaposition to the ends of the case or shell, of a longitudinally-divided discharge-pipe having independent openings communicating, respectively, with the two water-chambers, and suitable bearings upon which the case or shell is adapted to oscillate, substantially as described.

5. In combination with the outer walls of the supply-tank, a central partition provided with an opening for equalizing the quantity of water in each compartment of the tank, a divided discharge-pipe provided with an opening into each compartment for allowing the water to enter said pipe, and an air-vent from the outer air to each compartment of the tank, substantially as described.

In witness whereof I have hereunto set my hand and seal in the presence of two witnesses.

JOSEPH PENNEY. [L. S.]

Witnesses:

EDWARD TAGGART,
HARRY P. VAN WAGNER.