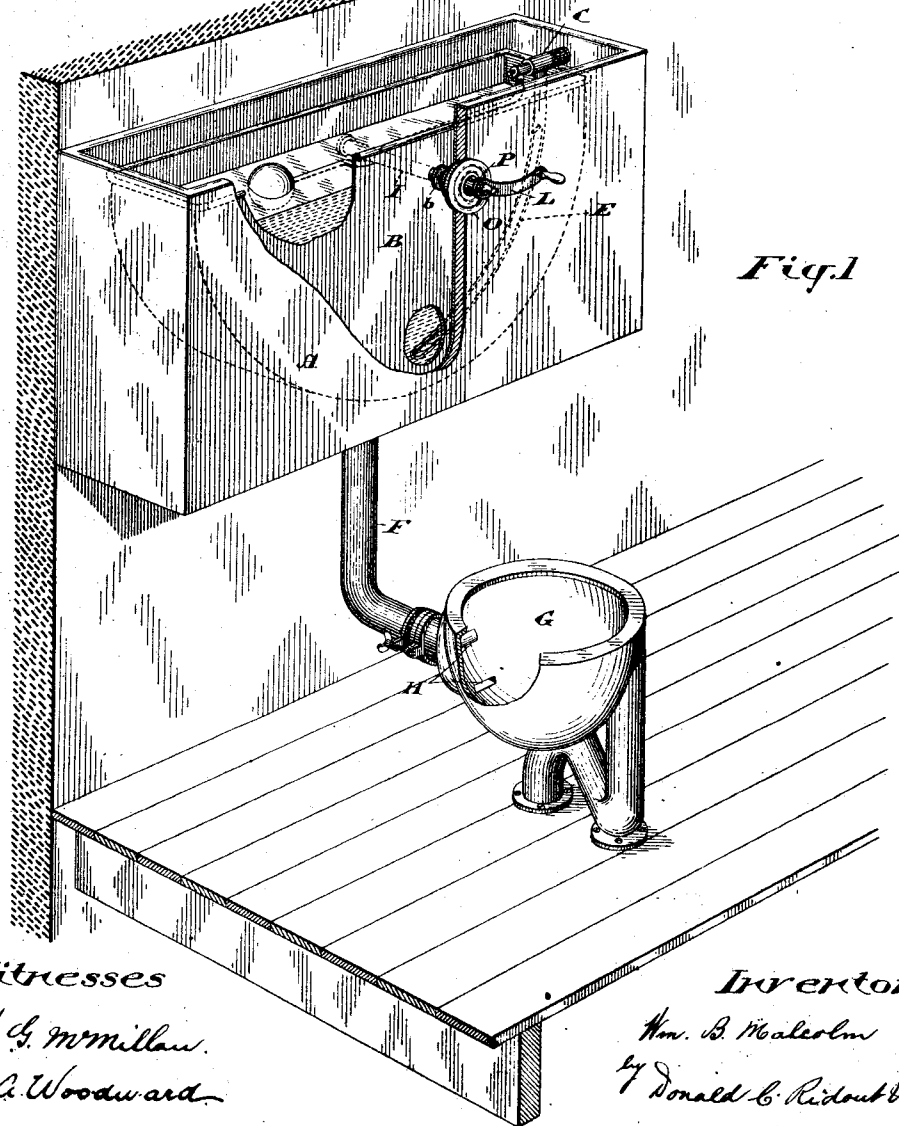
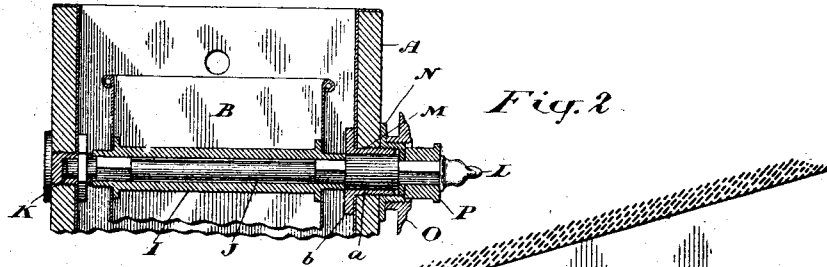


(No Model.)

W. B. MALCOLM.
FLUSHING TANK.

No. 468,725.

Patented Feb. 9, 1892.



Witnesses

H. G. McMillan.
J. A. Woodward.

Inventor

Wm. B. Malcolm
by Donald C. Ridout & Co.
Atty.

UNITED STATES PATENT OFFICE.

WILLIAM B. MALCOLM, OF TORONTO, CANADA.

FLUSHING-TANK.

SPECIFICATION forming part of Letters Patent No. 468,725, dated February 9, 1892.

Application filed April 22, 1891. Serial No. 389,953. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM BAXTER MALCOLM, of the city of Toronto, in the county of York, in the Province of Ontario, Canada, have invented a certain new and useful Improvement in Flushing-Tanks, of which the following is a specification.

The object of the invention is to design a flushing-tank which will occupy but little space and may be arranged in connection with a closet in such a manner that a large volume of water will be discharged into the bowl of the closet with little or no noise; and it consists in the peculiar construction, arrangement, and combinations of parts hereinafter more particularly described, and then definitely claimed.

Figure 1 is a perspective view of my improved flushing-tank with a portion broken away to expose the construction. Fig. 2 is a sectional detail showing the method of pivoting the semicircular bucket.

A is a rectangular tank made of any suitable material and made narrow, so as to occupy but little space. Within this tank a semicircular bucket B is placed, the sides of the said bucket being flattened, so as to fit within the tank. This bucket is supported on pivots located in the sides of the tank and made substantially as hereinafter explained.

C is an inlet-pipe located at the end of the tank A and provided with an ordinary ball-cock.

E is a curved spout extending from the inlet-pipe C to a point close to the bottom of the bucket B. This spout conveys the water from the inlet-pipe C in such a manner that practically there is no noise made.

F is a pipe extending from the bottom of the tank A to the bowl G, wherein two openings H, are made so as to admit the water from the pipe F into the bowl in two streams. By placing the tank A in the position indicated, close to the bowl G, the water from the tank has but a short distance to fall, and consequently there is practically no noise produced.

I is a sleeve fitted into the bucket B and suitably attached thereto, its ends projecting through the sides of the said bucket.

J is a spindle which passes through the sleeve I. The inner end of this spindle J is journaled in the socket K, fixed to the inside of the tank A. The ends of the hole through the sleeve I are squared or formed in an irregular shape, so that the portion of the spindle J fitting into the portion of the said hole will not revolve therein. The outside end of the spindle J is similarly shaped to receive the crank-arm L.

M is a sleeve bored to fit onto the enlarged portion *a* of the spindle J. This sleeve M projects through a hole made in the side of the tank A and is provided with a flange *b* to butt against the inside of the said tank. The portion of the sleeve M projecting through the tank A is screwed on its outside to receive the flanged nut N. The flange of this nut butts against the outside of the tank A, the sleeve M being held rigidly to the said tank by its flange *b*, butting against the inside, and the flange of the nut N on the outside thereof. Where an ornamental casing is placed around the tank A, I form the nut N, so as to project through the said casing, screwing it on its outside to receive the flanged nut O, which butts against the outside of the said ornamental casing.

P is a crank-handle fixed to the spindle J, by which handle the bucket B may be tipped as required.

What I claim as my invention is—

In a flushing apparatus, a bucket B, a sleeve I, fitted into and fixed to said bucket, and a spindle J, fitted into said sleeve and provided with a crank-handle P, in combination with a tank A, a socket K, fixed to the inside of the tank and receiving the spindle J, the sleeve M, also receiving the spindle J and having a flange *b* and projecting through the tank, and the nut N, securing the sleeve M on the tank, substantially as and for the purpose specified.

Toronto, April 8, 1891.

WILLIAM B. MALCOLM.

In presence of—

DONALD C. RIDOUT,

CHARLES C. HALDERIE