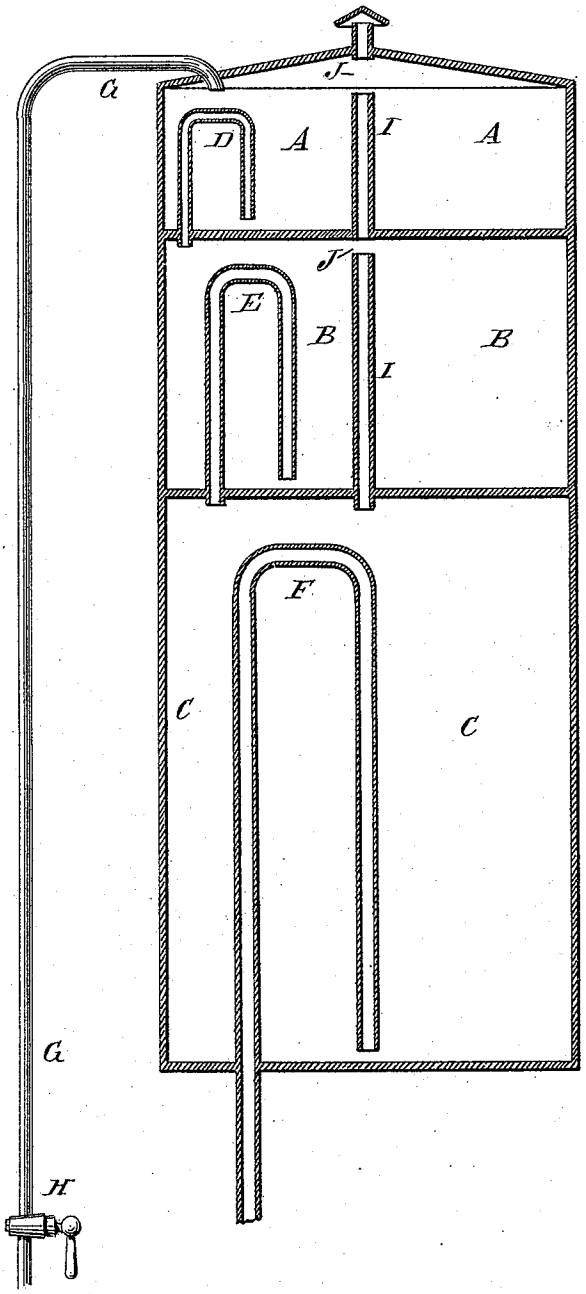
(No Model.)

M. SEXTON.

AUTOMATIC FLUSHING TANK.

No. 287,179. Patented Oct. 23, 1883.



WITNESSES:

Chas. Nider.

C. Sedgwick

INVENTOR:

M. Sexton

BY Munn & Co

ATTORNEYS.

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

MICHAEL SEXTON, OF NEW YORK, N. Y.

AUTOMATIC FLUSHING-TANK.

SPECIFICATION forming part of Letters Patent No. 287,179, dated October 23, 1883.

Application filed February 12, 1883. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL SEXTON, of the city, county, and State of New York, have invented certain new and useful Improvements in Flushing-Tanks, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawing, forming part of this specification, in which the figure is a sectional elevation of my improvement.

The object of this invention is to provide flushing-tanks constructed in such a manner that they will automatically discharge a given quantity of water at regular intervals.

The invention consists in an automatic flushing-tank constructed with a series of graduated tanks placed one above the other, and provided with connecting-siphons and a vent-pipe, whereby a fixed quantity of water will be discharged automatically and at regular intervals of time into the place to be flushed, as will be hereinafter fully described.

A B C are three tanks, placed one above the other, and so constructed that the capacity of each lower tank will be a multiple of the capacity of the one next above it. In the tanks shown in the drawing the tank B contains twice as much as the tank A, and the tank C contains three times as much as the tank B. The tanks A B C are provided with siphons D E F, the short arms of which terminate close to the bottoms of the respective tanks, and the long arms of which pass through the said bottoms. The bends of the siphons are at the tops of their respective tanks, as shown in the drawings.

G is the inlet-pipe, through which a small stream of water flows continuously into the upper tank, A, and which is provided with a stop-cock, H, so that the inflow of water can be regulated and stopped as desired.

I is a vent-pipe for the passage of air out of and into the tanks A B C as the water flows into and out of the said tanks, and which will also serve as overflow-pipes. The lower end of the pipe I opens into the tank C, and its upper end is above the cover of the tank A. In the side of the pipe I, at the tops of the tanks A B, are formed openings J, for the passage of air out of and into the said tanks.

With this construction, when the water flowing in through the pipe G has filled the tank A, the contents of the said tank are at once siphoned into the tank B. When the tank A has been emptied twice into the tank B, the said tank B is filled, and its contents are siphoned into the tank C. When the tank B has been emptied three times into the tank C, the said tank C is filled, and its contents are siphoned into the water-closet basin or other place to be flushed, so that the said place will be flushed at regular intervals, the length of time between the flushings depending upon the rapidity with which the water is allowed to flow into the tank A, the relative sizes of the tanks A B C, and the number of tanks used, and the amount of water used at each flushing depending upon the size of the lower tank, C.

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

1. An automatic flushing-tank, constructed substantially as herein shown and described, and consisting of a series of graduated tanks, placed one above the other, and provided with connecting-siphons and a vent-pipe, as set forth.

2. In an automatic flushing-tank, the combination, with the series of graduated tanks A B C, placed one above the other, of the connecting-siphons D E F, the vent-pipe I, and the inlet water-pipe G, substantially as herein shown and described, whereby a fixed quantity of water will be discharged automatically and at regular intervals of time into the place to be flushed, as set forth.

MICHAEL SEXTON.

Witnesses:
JAMES T. GRAHAM,
C. SEDGWICK.