

(No Model.)

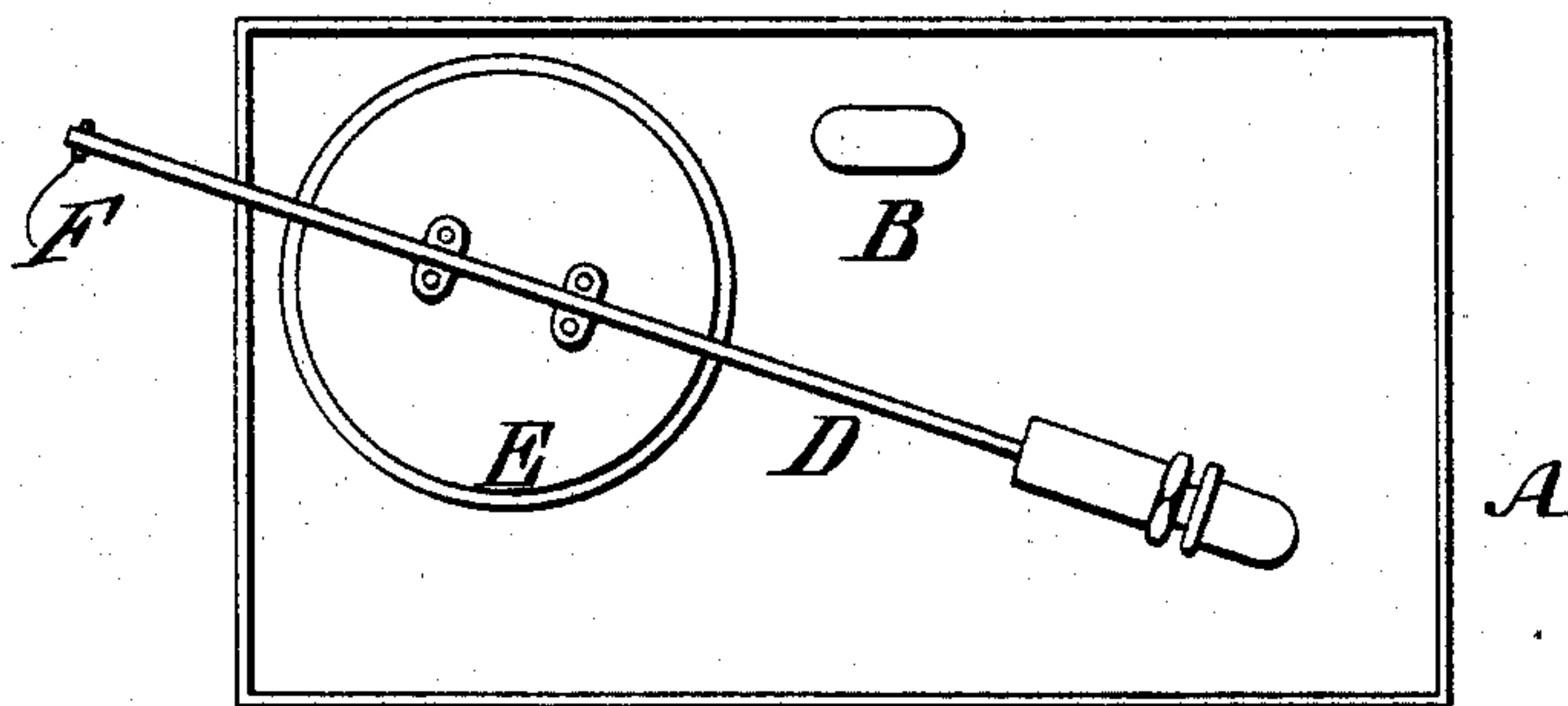
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FLUSHING TANK FOR WATER CLOSETS, URINALS, &c.

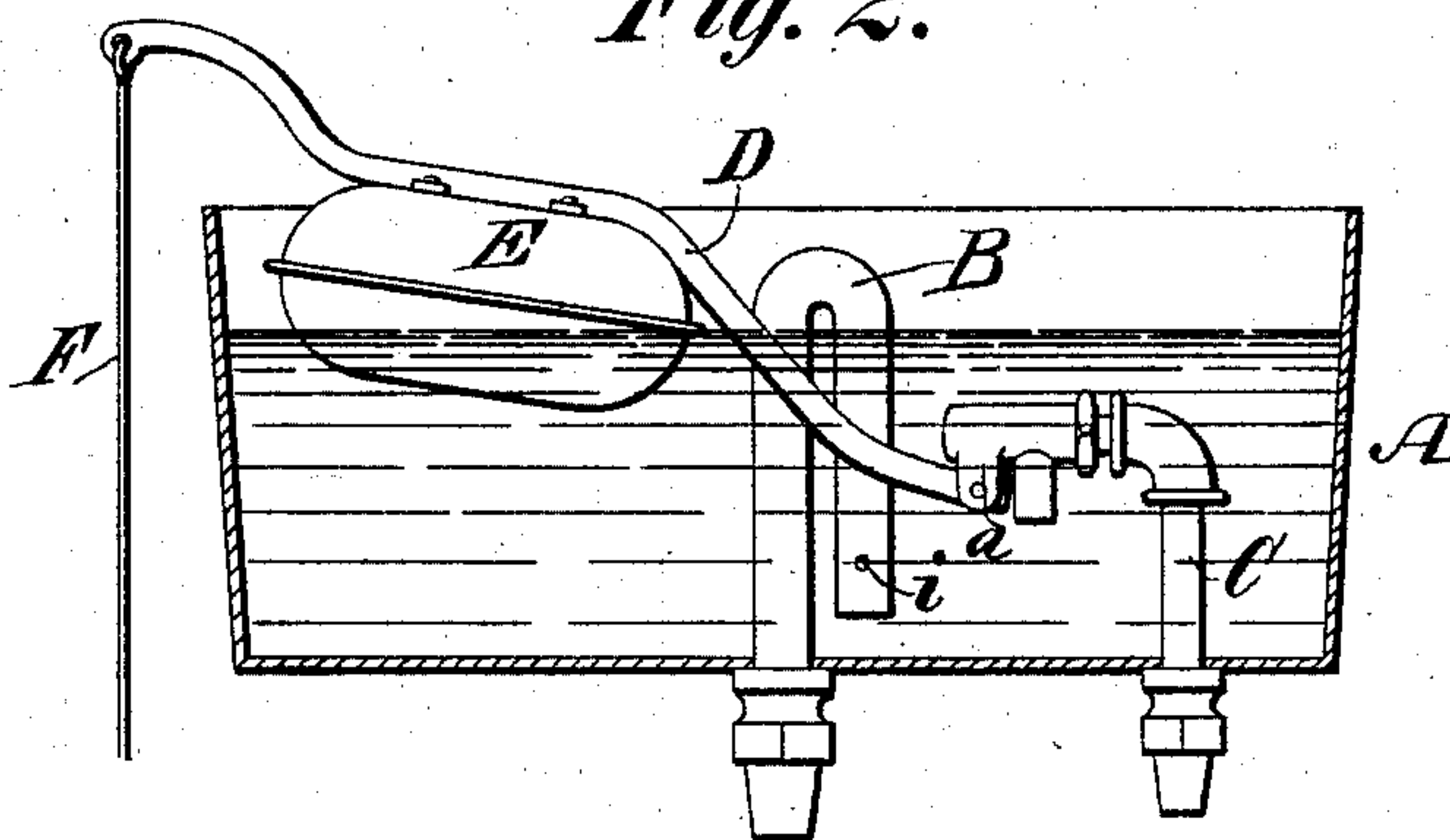
No. 283,105.

Patented Aug. 14, 1883.

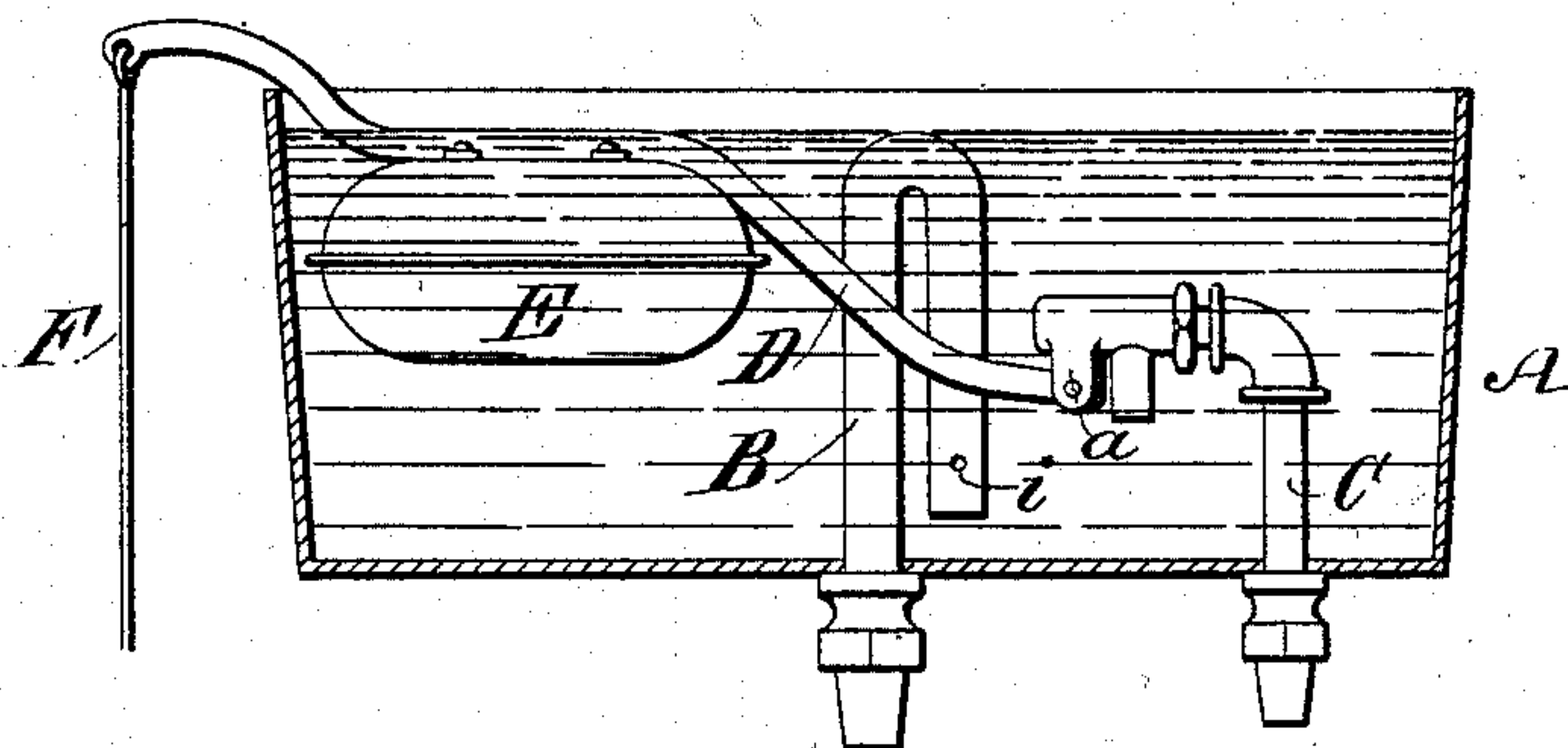
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

THOMAS HENDERSON, OF NASHVILLE, TENNESSEE.

## FLUSHING-TANK FOR WATER-CLOSETS, URINALS, &c.

SPECIFICATION forming part of Letters Patent No. 283,105, dated August 14, 1883.

Application filed March 22, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS HENDERSON, of Nashville, in the county of Davidson and State of Tennessee, have invented a new and Improved Flushing-Tank for Water-Closets, Urinals, &c., of which the following is a full, clear, and exact description.

My invention relates to that class of flushing-tanks in which a siphon is used for conveying the water from the tank to the bowl of the closet or urinal.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of my improved flushing-tank. Fig. 2 is a sectional elevation of the same, showing the position of the float before the siphon is started; and Fig. 3 is a similar view, showing the float drawn down into the tank for starting the siphon.

The tank A and siphon B are of the usual form, and the service-pipe C enters the tank A in the ordinary way. Attached to the cock *a* of the service-pipe C is the lever D, which reaches over the edge of the tank A, and has attached to it, within the tank, the float E, and to the outer end of the lever D is attached the rod or chain F for operating the lever.

The float E, lever D, and cock *a* in the service-pipe will be so arranged with respect to each other that the cock *a* will remain open until the water rises in the tank A to the level

shown in Fig. 2, which level is below the fold or upper end of the long arm of the siphon, and the size of the float will be such relative to this water-level and the height of the siphon, that when drawn down into the water by the rod F it will cause the water to rise over the siphon, as illustrated in Fig. 3, which will elevate the water into the long arm of the siphon and set it in action. The siphon will continue in action until the water in the tank falls to the orifice *i* in the short arm of the siphon, which will admit air to the siphon, and thus stop the flow of water through it. The tank will now begin to fill up from the service-pipe and the flow will continue until the water reaches the level illustrated in Fig. 2, whereupon the float E and lever D will close the cock *a*, leaving the parts in their original position ready for subsequent action.

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

The combination, with a tank, A, siphon B, and service-pipe C, arranged substantially as described, of the lever D, connected at its front end with and adapted to operate cock *a*, the float E, secured under and to said lever, and the pull-rod F, attached to the outer end of the lever, as shown and specified.

THOMAS HENDERSON.

Witnesses:

WILLIAM MELVILLE,  
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