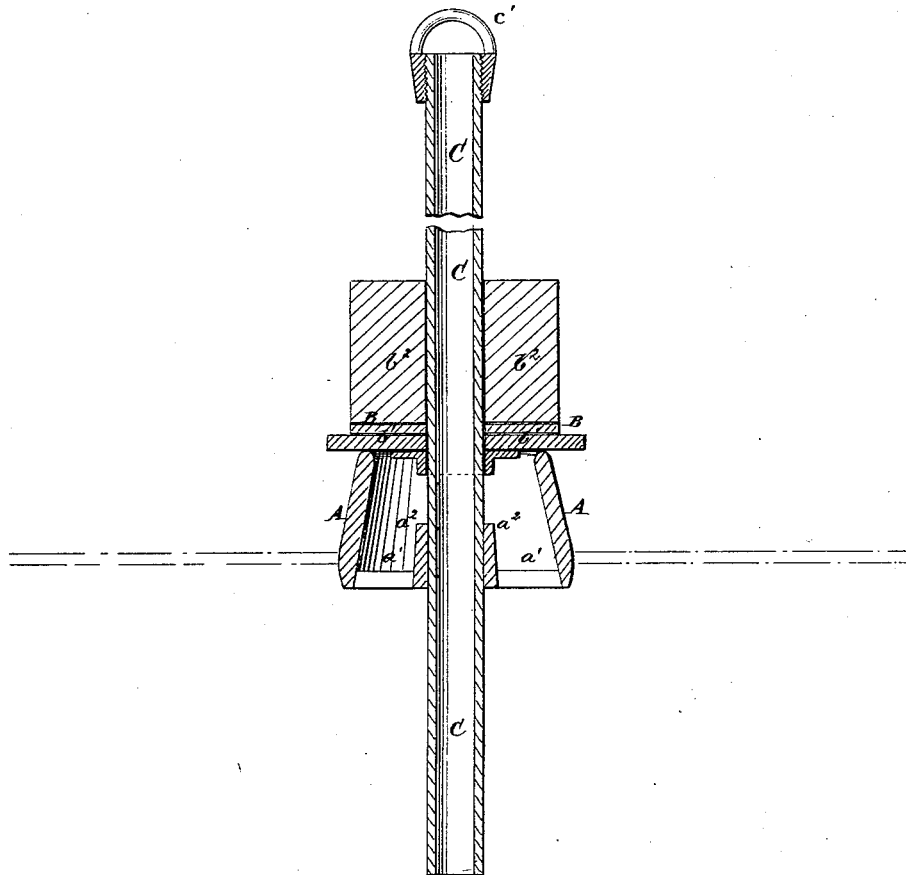


B. McGRANN & J. SOLIS.

Combined Cistern-Valve and Overflow-Pipe.

No. 167,265.

Patented Aug. 31, 1875.



WITNESSES:

A. W. Almqvist
A. F. Terry

INVENTOR:

B. McGrann
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ATTORNEYS.

UNITED STATES PATENT OFFICE.

BERNARD McGRANN AND JOHN SOLIS, OF NEW YORK, N. Y.

IMPROVEMENT IN COMBINED CISTERN-VALVES AND OVERFLOW-PIPES.

Specification forming part of Letters Patent No. **167,265**, dated August 31, 1875; application filed July 24, 1875.

To all whom it may concern:

Be it known that we, BERNARD McGRANN and JOHN SOLIS, both of the city, county, and State of New York, have invented a new and Improved Combined Cistern-Valve and Overflow-Pipe, of which the following is a specification:

The figure is a longitudinal section of my improved device.

The object of this invention is to furnish an improved valve and overflow-pipe for the cisterns that supply the water to water-closets and other similar purposes, which shall be so constructed as to prevent the overflow of said cisterns, while avoiding the use and consequent expense of a separate overflow-pipe, and which shall be neat and compact in construction and inexpensive in manufacture.

The invention consists in the combination of the overflow-pipe with the weighted valve and the socket, as hereinafter fully described.

A represents the socket, which is secured in the bottom of the cistern, and through which the water escapes. The upper edge of the socket A serves as a seat for the valve B, and the said socket has a bar, a^1 , formed across its lower end, with a hole, a^2 , through its center, to serve as a guide for the valve-stem C. The valve B is faced with leather b^1 or other suitable yielding material, and has a weight,

b^2 , attached to it to bring it to and hold it in its seat when released. The upper part of the valve-stem C extends up to high-water mark, and has a bail, c^1 , attached to its upper end to receive the connecting wire or lever by which the valve is operated, and which is connected with the valve of the water-closet in the usual way. The valve-stem C is made hollow, so as to serve as an overflow-pipe to prevent the water from rising any higher in the cistern than the upper end of the said pipe or hollow valve-stem C. The surplus water flows through pipe C into the feed-box, and thence into the basin of the water-closet.

By this construction the labor, expense, and trouble of providing and inserting a separate overflow-pipe is entirely avoided, and at the same time a much better device is furnished.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The combination of the overflow-pipe C with the weighted valve B $b^1 b^2$, and the socket A $a^1 a^2$, substantially as herein shown and described.

BERNARD McGRANN.
JOHN SOLIS.

Witnesses:

JAMES T. GRAHAM,
T. B. MOSHER.