

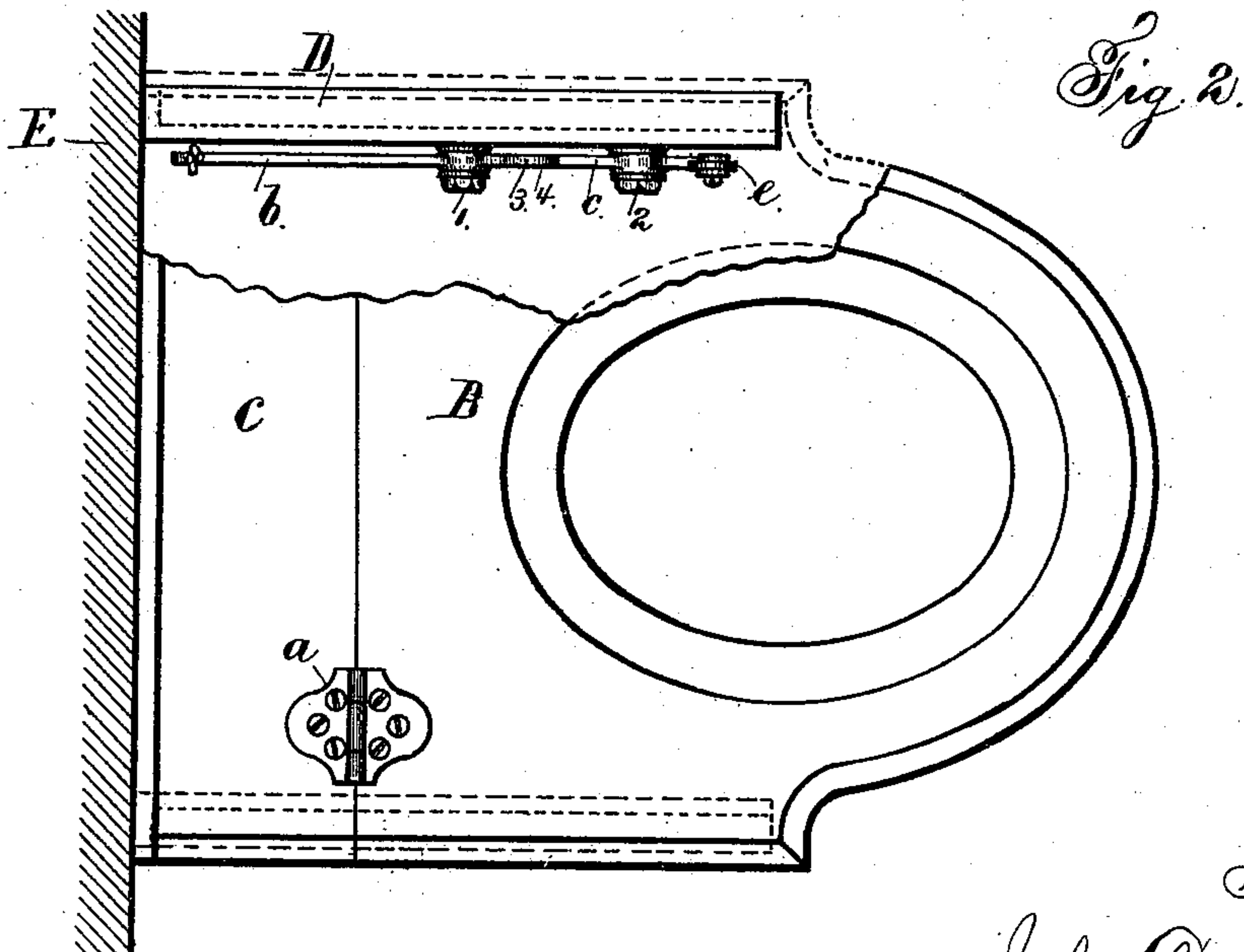
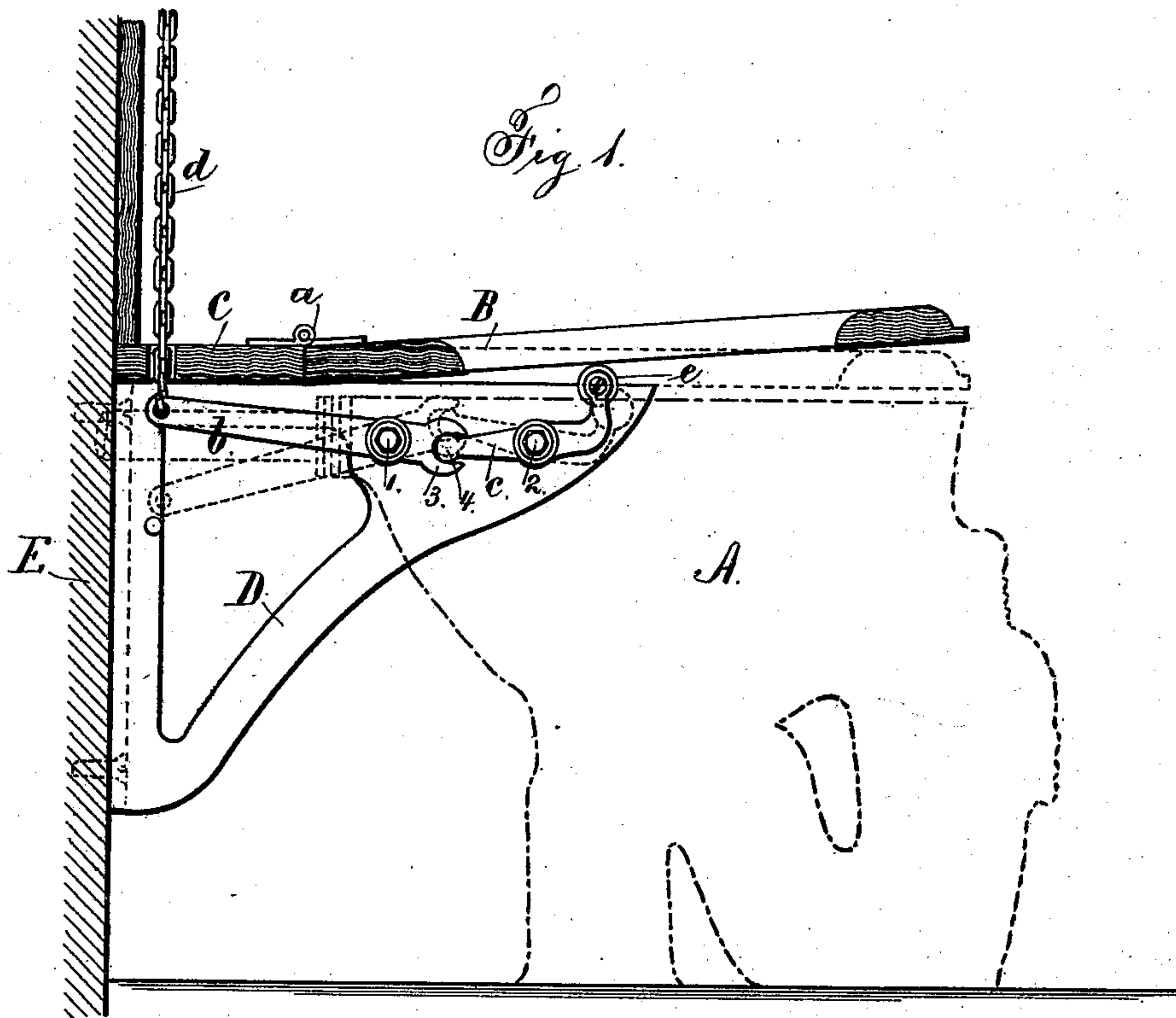
(No Model.)

J. DEMAREST.

SEAT CONNECTION FOR WATER CLOSET CISTERNS.

No. 376,867.

Patented Jan. 24, 1888.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN DEMAREST, OF NEW YORK, N. Y., ASSIGNOR TO THE J. L. MOTT IRON WORKS, OF SAME PLACE.

SEAT-CONNECTION FOR WATER-CLOSET CISTERNS.

SPECIFICATION forming part of Letters Patent No. 376,867, dated January 24, 1888.

Application filed March 21, 1887. Serial No. 231,681. (No model.)

To all whom it may concern:

Be it known that I, JOHN DEMAREST, of the city, county, and State of New York, have invented an Improvement in Seat-Connections for Water-Closet Cisterns; and the following is declared to be a description of the same.

Water-closet seats have heretofore been supported by an inclosing frame-work of wood, or by metal legs, and said seats have automatically operated a lever and chain to the flushing-cistern, whereby water was supplied to flush and wash out the closet.

My invention relates to a seat-connection for water-closets wherein brackets support the wall-plate and seat, and upon one of which brackets is pivoted a compound lever, one end of which lever is connected by a chain to the valve-lever of a flushing-cistern, the other end of which lever is provided with a roller and holds up the seat when not in use. The depression of the seat brings it down upon the supporting-brackets, and at the same time operates the compound lever for flushing the closet automatically.

In the drawings, Figure 1 is a section of the seat and elevation of the supporting-bracket; and Fig. 2 is a plan of the same, the closet being shown in dotted lines.

The closet A is of any desired character. It may be of porcelain, such as the "Inodora" or "Dolphin."

The seat B and wall-plate C are of the usual construction, and I provide the brackets D, secured to the wall E, and to which brackets the wall-plate C is connected, the seat B being hinged to the wall-plate at *a*, in the usual manner.

The compound lever consists of the portions *b c*, pivoted at 1 2 upon the inner face of one of the brackets D, and there are a jaw and joint, 3 4, between these levers, the same consisting of the open jaw 3 at one end of the lever *b* and the cylinder 4 at the adjacent end of the lever *c*. One end of the lever *b* is connected to the chain *d*, and said chain passes up and is connected to the valve-lever of a flushing-cistern of the usual character.

Upon the upturned end of the lever *c* is a roller, *e*, and in the normal position of the parts, as shown, the seat rests upon said roller *e*.

When the closet is used, the seat is depressed to the position shown in dotted lines, and it then rests upon and the weight of the occupant is supported by the brackets D, and at the same time the roller *e* is depressed and the levers *b c*, by the jaw and cylinder-joint 3 4, are moved to the position shown in dotted lines, thus pulling on the chain *d* and giving the preliminary movement to the valve in the flushing-cistern. When the seat B is released after the closet has been used, the parts return to their normal position, as shown in full lines, and the seat is raised and the flushing-water is discharged into the closet A.

The brackets D extend out beyond the edge of the wall-plate C fully one-half the length of the seat B, and thus not only provide for the pivotal connections of the levers *b c*, but form a firm support for the seat B when the closet is in use. The roller *e* lessens friction between the seat and causes the parts to move freely.

I claim as my invention—

1. The combination, with the water-closet and seat, of brackets connected to the wall and supporting the seat, hinges upon which the seat can swing, a lever pivoted to one of the brackets and acted upon by the seat to move the closet-valve by the depression of the seat, substantially as set forth.

2. The combination, in a water-closet, with the wall-plate C and seat B, hinged together, of the brackets D, the compound lever *b c*, pivoted to the face of the bracket, the chain *d*, connected to one end of said lever, and the roller *e* upon the other end, substantially as and for the purposes set forth.

3. The combination, in a water-closet, with a hinged seat, of brackets to support the seat, a compound lever pivoted to the bracket and having a jaw on one end of one part, a cylinder on the end of the other part entering said jaw, a chain connected to one end of the compound lever, and the seat acting upon the other end of said lever, substantially as and for the purposes set forth.

Signed by me this 15th day of March, A. D. 1887.

JOHN DEMAREST.

Witnesses:

JOHN ABEL,

GEO. C. GOELLER.