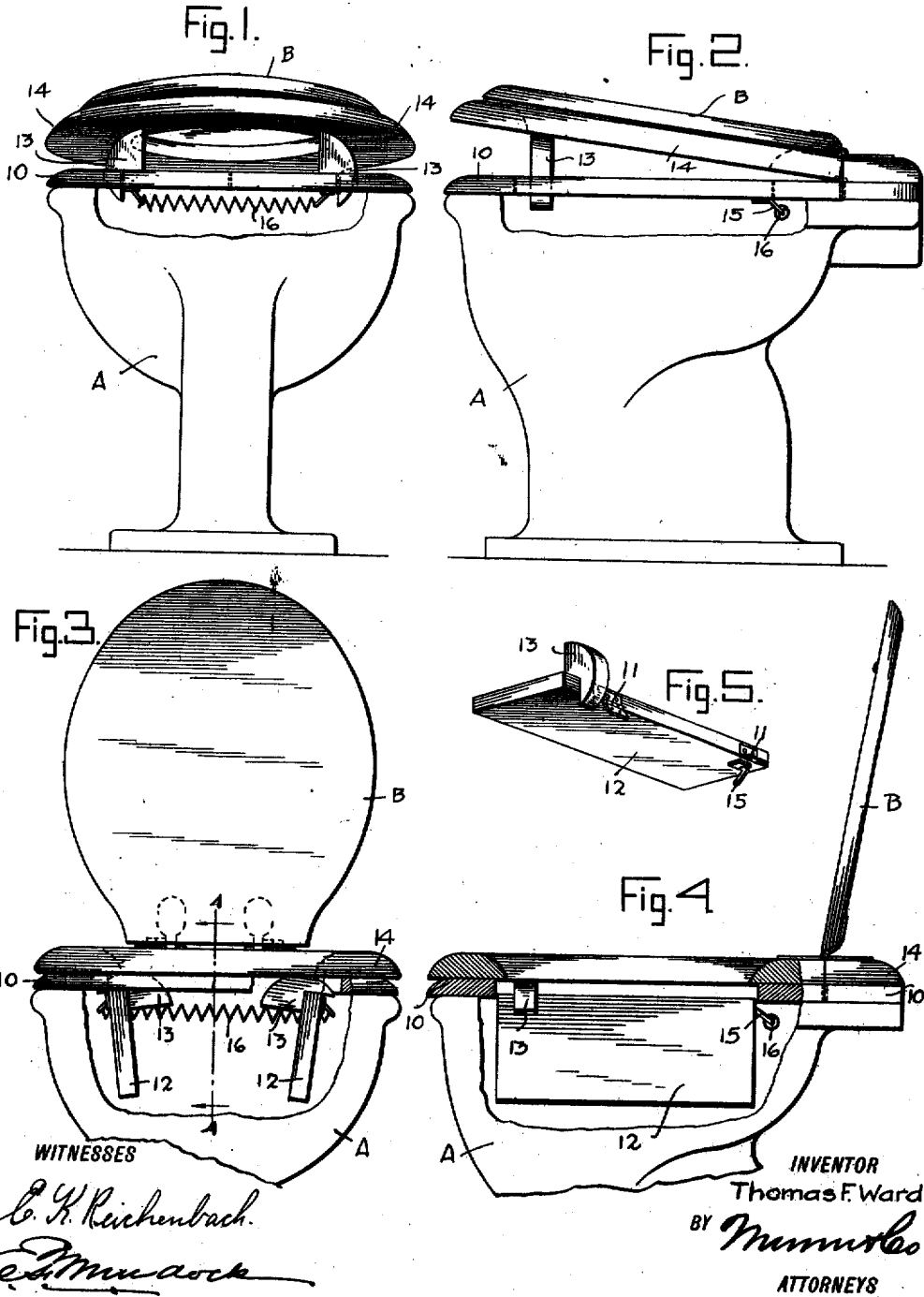


T. F. WARD.  
 WATER CLOSET FIXTURE.  
 APPLICATION FILED DEC. 16, 1910.

1,006,812.

Patented Oct. 24, 1911.



# UNITED STATES PATENT OFFICE.

THOMAS F. WARD, OF NEW YORK, N. Y.

WATER-CLOSET FIXTURE.

1,006,812.

Specification of Letters Patent.

Patented Oct. 24, 1911.

Application filed December 16, 1910. Serial No. 597,595.

*To all whom it may concern:*

Be it known that I, THOMAS F. WARD, a citizen of the United States, and a resident of the city of New York, borough of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Water-Closet Fixture, of which the following is a full, clear, and exact description.

The principal object of the present invention is to provide a fixture for the usual water-closet bowl, which automatically closes over the bowl to prevent the emission therefrom of disagreeable odors or sewer gas, and to conceal the interior of the bowl.

With this object in view the invention consists primarily in providing an auxiliary seat, having hinged door sections thereon which extend downwardly into the bowl during the period of use, and automatically lift to cover the bowl during the periods of disuse; and in providing a spring member for normally maintaining the said door sections in closed position.

One embodiment of the present invention is disclosed in the structure illustrated in the accompanying drawings, in which like characters of reference denote corresponding parts in all the views, and in which—

Figure 1 is a front view of a water-closet bowl of usual construction, provided with a fixture constructed and arranged in accordance with the present invention, the bowl being partly cut away to disclose the operating spring and connections therefor; Fig. 2 is a side view of the bowl and fixture as shown in Fig. 1, the bowl being partly cut away to show the under portion of the fixture structure; Fig. 3 is a front view of a bowl of the character mentioned, provided with a fixture constructed and arranged in accordance with the present invention, the said fixture and water-closet seat being shown in operative position; Fig. 4 is a longitudinal vertical section taken on the line 4—4 in Fig. 3; and Fig. 5 is a detail view in perspective of one of the closure doors.

In attaching the present invention to the usual toilet fixture A, an auxiliary seat frame member 10 is fixedly attached to the fixture A. A square opening is formed in the frame member 10, which is normally closed by doors 12, 12. The doors 12, 12

are pivotally mounted by means of hinges 11, 11 to the frame member 10. Each of the doors 12 is provided with an upwardly extending roller block 13, 13, which blocks are impinged upon by the usual water-closet seat 14.

The doors 12 are each further provided with a side extended bracket 15. The brackets 15 are united by a spring 16, which, by pulling the ends of the brackets toward each other, lifts the doors 12, 12 on their hinges to close the same above the bowl fixture A. When the doors 12, 12 are thus closed the seat 14 is lifted by means of the blocks 13 to a position best shown in Figs. 1 and 2 of the drawings.

Under usual conditions I do not employ the cover B, as the function of the same is generally performed by the doors 12, 12. However, when desired, the same may be employed, as shown in the accompanying drawings.

In use, when the seat 14 is depressed, the doors 12, 12 are thrown downwardly and open by the weight operating upon the blocks 13, 13 continuously until the doors are disposed in position substantially as shown in Fig. 3 of the drawings. When the weight is removed from the seat 14 the springs 16 automatically close the seat 14 to the position shown in Figs. 1 and 2 of the drawings.

While I have herein shown a specified means, as the blocks 13, for operating the doors 12, 12, it will be understood that other devices suitable for the purpose may be used without altering the scope of the invention.

It will also be understood that while I have herein shown closure doors comprising two members, a larger number of door members could be used.

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

In a water-closet fixture embodying a bowl and a seat hingedly secured to said bowl, a bowl cover comprising a frame interposed between said bowl and said seat; a plurality of door members hingedly connected with said frame; brackets extended from the under side of said door members; a spiral spring operatively connecting said brackets to lift the said door members upward to

closed position; and a plurality of cam-like  
projections connected with said door mem-  
bers and extended above the same into the  
path of the said seat to be moved by the said  
5 seat to force the said door members to a  
downwardly opened position.

In testimony whereof I have signed my

name to this specification in the presence of  
two subscribing witnesses.

THOMAS F. WARD.

Witnesses:

THOMAS J. RYAN,  
CHAS. H. McCONNELL.

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Washington, D. C."

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