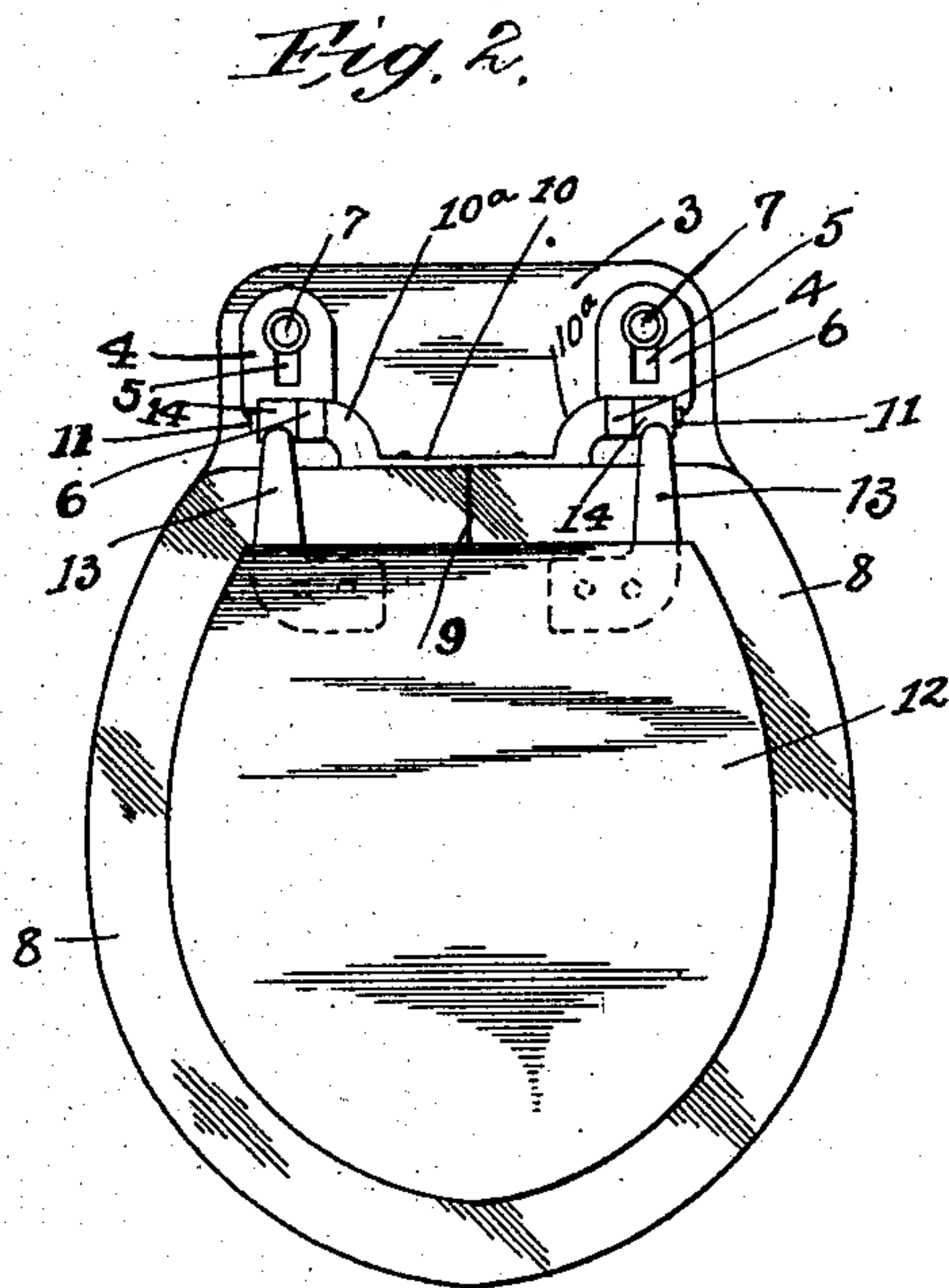
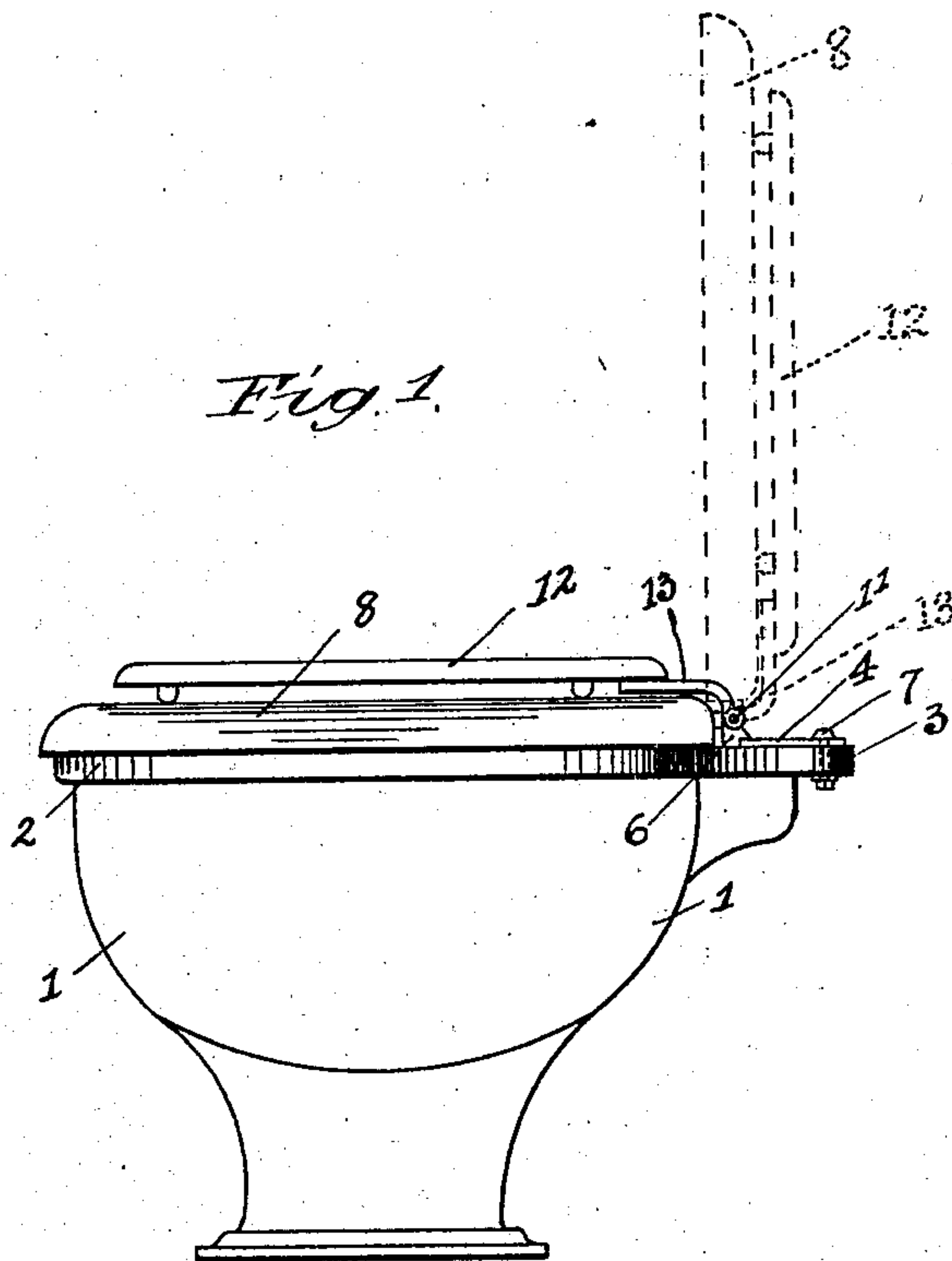


No. 720,657.

PATENTED FEB. 17, 1903.

A. F. BLESCH.  
WATER CLOSET SEAT AND COVER HINGE.  
APPLICATION FILED JULY 16, 1900.

NO MODEL.



WITNESSES:

*R. L. Hessong.*  
*A. L. Phelps*

INVENTOR

*August F Blesch*  
BY  
*C. C. Shepherd.*  
ATTORNEY



# UNITED STATES PATENT OFFICE.

AUGUST F. BLESCH, OF COLUMBUS, OHIO.

## WATER-CLOSET SEAT AND COVER HINGE.

SPECIFICATION forming part of Letters Patent No. 720,657, dated February 17, 1903.

Application filed July 16, 1900. Serial No. 23,703. (No model.)

*To all whom it may concern:*

Be it known that I, AUGUST F. BLESCH, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented a certain new and useful Improvement in Water-Closet Seat and Cover Hinges, of which the following is a specification.

My invention relates to the improvement of seat and seat-cover hinges for water-closet bowls; and the objects of my invention are to provide a hinge construction of this class wherein improved means are provided for adjusting the position of the seat with reference to the bowl upon which it rests, to so construct said hinge as to assist in uniting the ends of the seat-ring, and to produce other improvements the details of construction of which will be more fully pointed out herein-after. These objects I accomplish in the manner illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of a bowl, showing my improved hinge in use thereon, the seat and cover being shown in full lines closed and in dotted lines elevated; and Fig. 2 is a plan view of the same.

Similar numerals refer to similar parts throughout both views.

1 represents the usual or desirable form of closet-bowl, and 2 the top flange thereof, the latter having the usual rearward extension 3.

4 represents horizontal hinge-plates, which are arranged on the upper side of the bowl-top extension 3 near each end of said extension, each of said plates 4 having a longitudinal slotted opening therein, as indicated at 5. The forward end of each of the plates 4 is provided with an upturned hinge member or bearing-lug 6. The hinge-plates 4 are adjustably mounted on the extension 3 through the medium of vertical bolts 7, which pass downward through the slotted openings 5 and through bolt-holes in the extension 3.

8 represents the usual wood seat, which preferably has the general form of a D-ring and which in the present case is of the character formed of one piece of bent wood united at the center of its back, as indicated at 9. Secured horizontally to the rear side of the back portion of the seat 4 and screwed to said seat-back on opposite sides of the joint-line

9 is a horizontal bar 10, the latter having rearwardly and thence laterally turned arms 10<sup>a</sup>, which terminate in oppositely-extending hinge-pins 11, which are journaled in the central openings of the bearing or hinge lugs 6 of the hinge-plate 4.

12 represents the usual form of seat-cover, from the rear portion of which extend rearwardly angular hinge-arms 13, the downturned rear portions of which terminate in journal-bearings or bearing-lugs 14, which abut against the hinge-lugs 6 and which also receive loosely the hinge-pins 11.

In the above-described manner it will be observed that the seat and seat-cover are independently hinged on the pins 11, so that they may be raised independently or together. It is obvious that the inclination or angle of the arms 13 may be such as to admit of the seat-cover being turned back until its hinge point is sufficiently in front of the weight or body of said cover to prevent the dropping of the latter to the closed position, and it is also obvious that both the seat and cover may be turned back against a "low-down" water-tank or wall to such angle as to insure the retention of the same in upright positions.

In order to adapt the seat to different classes or sizes of bowls, it is obvious that the nuts which are screwed onto the lower ends of the bolts 7 may be loosened and the seat moved backward or forward, as desired, owing to the slotted openings 5 in the hinge-plates 4, through which said bolts pass.

It will be observed that the bar 10 will not only serve as a hinge-bar, but that it will further serve to unite the adjoining ends of the seat-frame 8, thus strengthening the latter at its recognized weak point and greatly adding to the durability of said seat.

Having now fully described my invention, what I claim, and desire to secure by Letters Patent, is—

In a closet seat and cover hinge, the combination with the bowl having a rearwardly-extending top flange, slotted plate-sections 4 adjustably united within said flange extension by bolts, said plate-sections having upwardly-projecting bearing-lugs in their forward ends, of a seat-frame formed of bent wood and having its ends united in its rear portion, a hinge-bar 10 secured to the rear

side of said seat-frame and connecting the  
ends thereof, said hinge-bar having formed  
integrally therewith rearwardly-projecting  
arms 10<sup>a</sup> terminating in hinge-pins 11, said  
5 hinge-pins being journaled in said plate-lugs  
6 and a seat-cover section 12 having angular  
arms projecting therefrom and terminating

in hinge-lugs in which the outer ends of said  
hinge-pins 11 are also journaled, substantially  
as specified.

AUGUST F. BLESCH.

In presence of—

CHS. AL. HERMANN,  
J. W. HENDERSON.