

(No Model.)

W. BUNTING, Jr.

MEANS FOR HINGING WATER CLOSET SEATS AND COVERS.

No. 559,993.

Patented May 12, 1896.

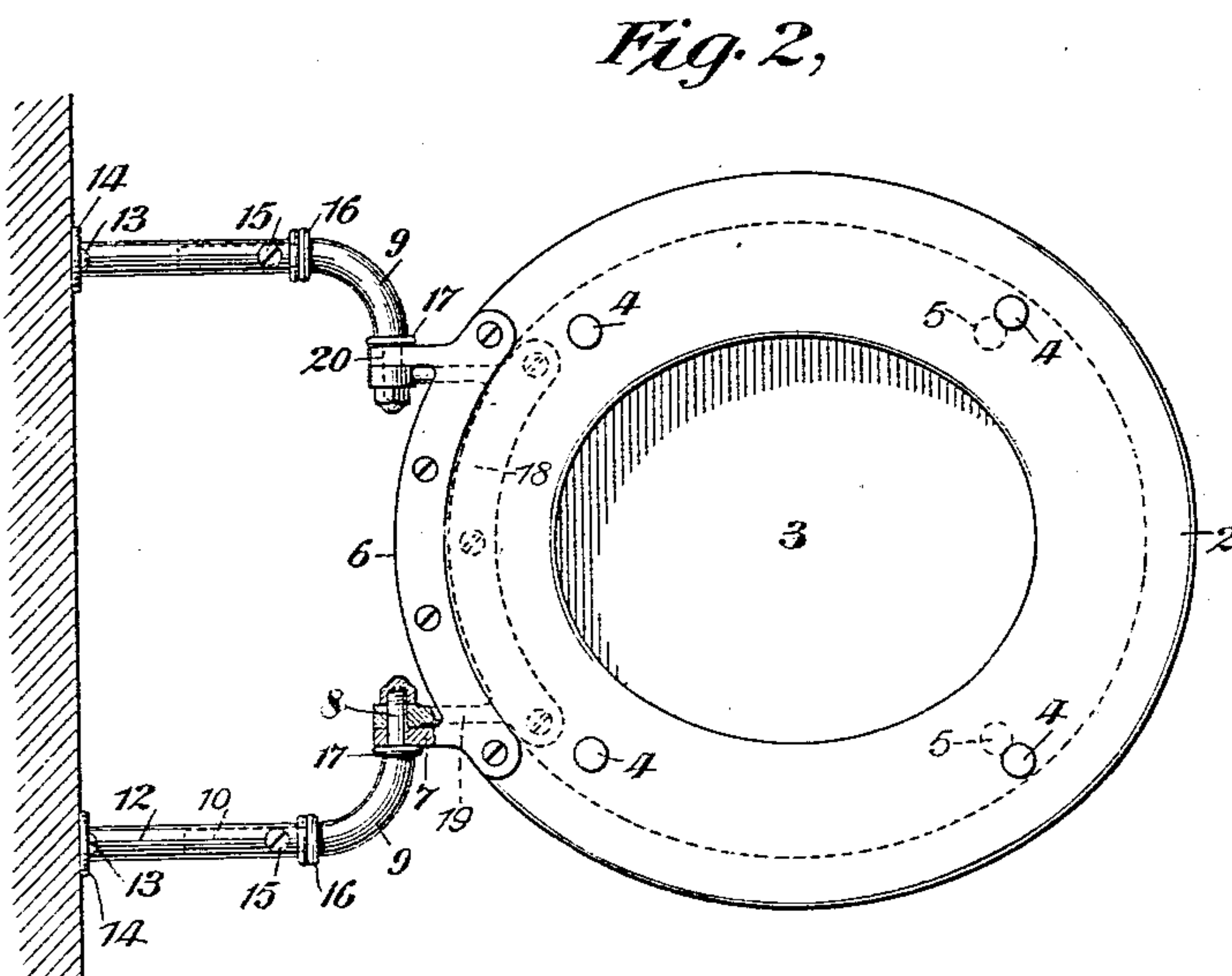
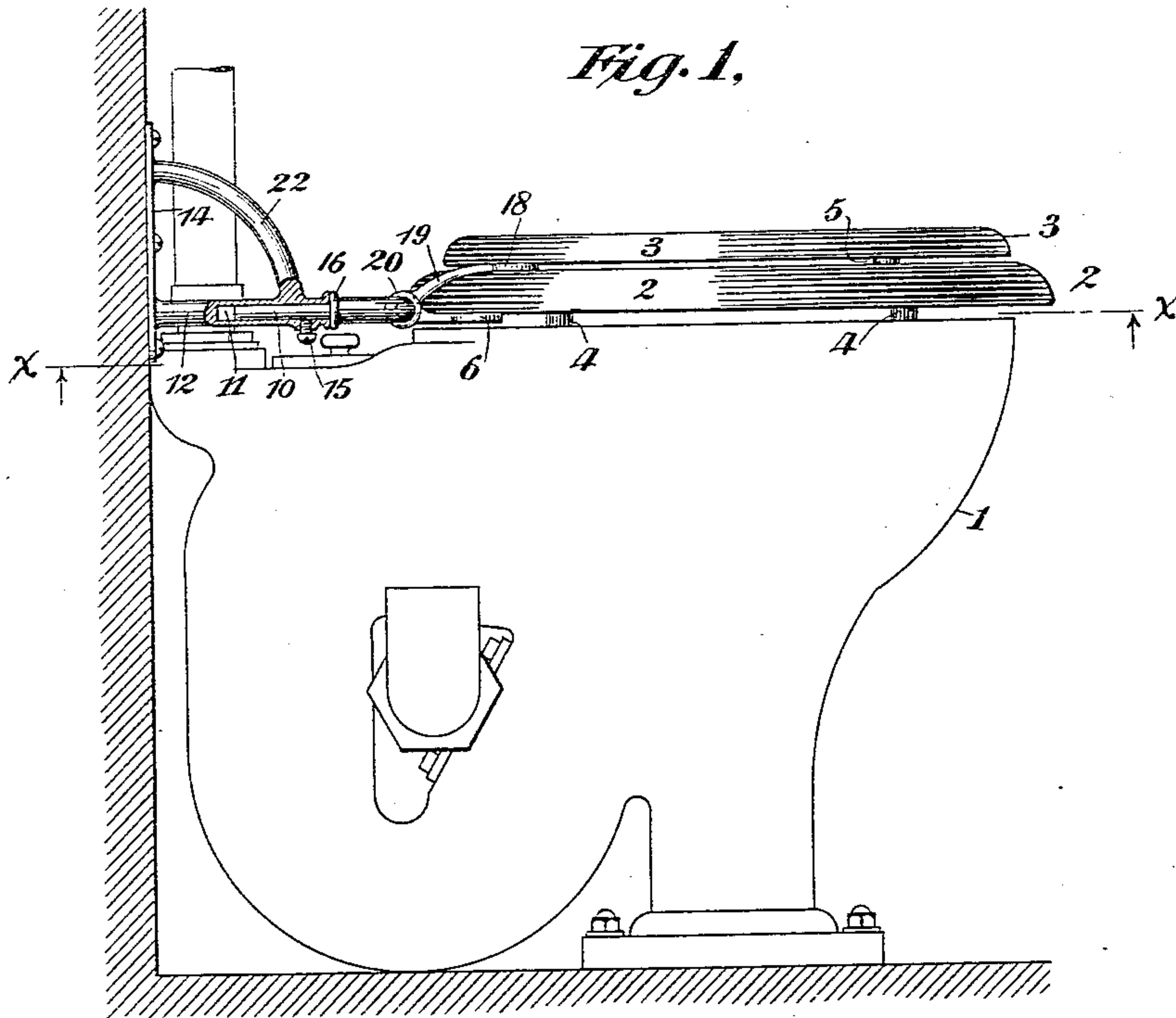


Fig. 3.

Witnesses
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By his Attorney Jacob Felbel.

UNITED STATES PATENT OFFICE.

WILLIAM BUNTING, JR., OF FLUSHING, NEW YORK, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, TO THE MEYER-SNIFFEN COMPANY, LIMITED, OF NEW YORK, N. Y., AND THE STANDARD MANUFACTURING COMPANY, OF PITTSBURG, PENNSYLVANIA.

MEANS FOR HINGING WATER-CLOSET SEATS AND COVERS.

SPECIFICATION forming part of Letters Patent No. 559,993, dated May 12, 1896.

Application filed March 18, 1892. Serial No. 425,426. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM BUNTING, Jr., a citizen of the United States, and a resident of Flushing, in the county of Queens and State of New York, have invented certain new and useful Improvements in Means for Hinging Water-Closet Seats and Covers, of which the following is a specification.

My invention has for its main object to provide improved means for hinging or pivotally connecting water-closet seats and covers.

In accordance with my improvements the hinging devices are made adjustable in order that the seat and cover may be properly fitted to the closet-bowl. Inasmuch as the closet-bowls are set at different distances from the wall in different houses or apartments the provision for adjustment is of great advantage. The hinging devices are constructed or shaped to be ornamental, also to permit of easy access to and around the bowl for cleaning, dusting, &c., and also to enable the seat and the cover to both pivot upon the same pintle or axis of motion.

My invention consists in the features of construction and combinations of devices hereinafter more fully described, and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a side elevation, partly in section, of a water-closet seat and cover hinging mechanism made in accordance with my invention, a wall, floor, and water-closet being added to the view to show the relationship or relative arrangement of the parts. Fig. 2 is a bottom plan view taken at the line *xx* of Fig. 1, omitting the water-closet. Fig. 3 is a side sectional elevation of a modified form of bracket.

The same part will be found designated by the same numeral of reference.

1 represents a water-closet, which may be of any known or desired construction, 2 a water-closet seat, and 3 a cover therefor, the seat and cover being preferably of oval shape. The seat is provided with feet 4, which rest upon the top surface of the bowl of the closet

when the seat is down, and the cover is provided with feet 5, which rest upon the seat when the cover is down.

At the rear side of the seat is attached by screws a base-plate 6, shaped to correspond with the curvature of the seat, from which projects rearwardly, near each end, a perforated lug or knuckle 7, which receives a transverse horizontally-arranged pivot-pin or pintle 8, formed at one end of a curved or arc-shaped arm 9, whose opposite end is formed with a horizontal shank 10, arranged to project rearwardly, or at right angles to the pintle. The said shank is fitted in a seat or bearing 11 in an arm or bracket 12, secured to the wall of the room by screws 13, passing through its base-plate 14. The shank 10 is secured to its seat or bearing in the arm or bracket by means of a set-screw 15, arranged in the latter. The brackets 12 are parallel, while the arms 9 extending therefrom are bent or curved to project toward each other. Each curved arm is provided with circular lugs or collars 16 and 17, the former serving to limit the rearward movement of the arm by contacting with the end of the bracket and the latter operating to limit any lateral movement of the knuckle and the seat to which it is connected.

The oppositely-disposed pintles 8 are elongated to serve not only for the seat-hinge, but also as pivot-pins for the cover of the seat. On the under side of the cover is secured by screws a base-plate 18, similar in design to that on the seat, from which projects at either end an arm 19, extending rearwardly and terminating in an eye or knuckle 20, through which the pintle 8 is passed. The knuckles 8 and 20 on each pivot-pin stand side by side, preferably in contact, and the parts are held in this relationship by a nut 21, screwed onto the threaded end of the pintle. As the cover for the seat is preferably made of smaller size than the seat and occupies a plane above the plane of the seat-hinge line, the arms 19 are bent downwardly on a curve to match the

contour of the seat-perimeter to enable their knuckle ends to be mounted upon the pintles of the seat-hinge, which simplifies and economizes in construction and at the same time affords a much better appearance.

As indicated at Figs. 1 and 2, the water-closet is set against the wall and the shanks 10 are fully inserted in their bearings. In cases where the closet is placed away from the wall the seat and cover may be adjusted relatively to the bowl by loosening the screws 15 and pulling out the shanks 10 the required extent, as indicated by the dotted lines at Fig. 3.

The brackets 14 at Figs. 1 and 2 are elongated ones, while the bracket 14 shown at Fig. 3 is a circular one. When the elongated ones are used, I prefer to employ curved brace-rods; such as 22.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination of a water-closet seat provided with a pair of knuckles, a seat-cover provided also with a pair of knuckles arranged in the plane of the seat-knuckles; a pair of brackets, a pair of arms connected to said brackets, and a pair of pintles on said arms at right angles to said brackets and

adapted to each receive one knuckle of the seat and one knuckle of the cover.

2. The combination of a water-closet seat provided with a pair of knuckles, a cover for said seat also provided with a pair of knuckles and arranged to terminate in line with those of the seat, a pair of brackets or supports and a pair of adjustable arms provided each with a pintle adapted to receive one of the knuckles of the seat and one of the knuckles of the cover.

3. The combination of a water-closet seat, a base-plate thereon provided with the rearwardly-extending knuckles, the cover for said seat, the base-plate thereon provided with the curved downwardly-extending arms and the knuckles, the hollow or tubular wall brackets or supports, the intermediate bent arms provided each with a shank and with a pintle, the whole being arranged in the manner shown and described.

Signed at New York city, in the county of New York and State of New York, this 16th day of March, A. D. 1892.

WILLIAM BUNTING, JR.

Witnesses:

RICHARD LAUKENAU,
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