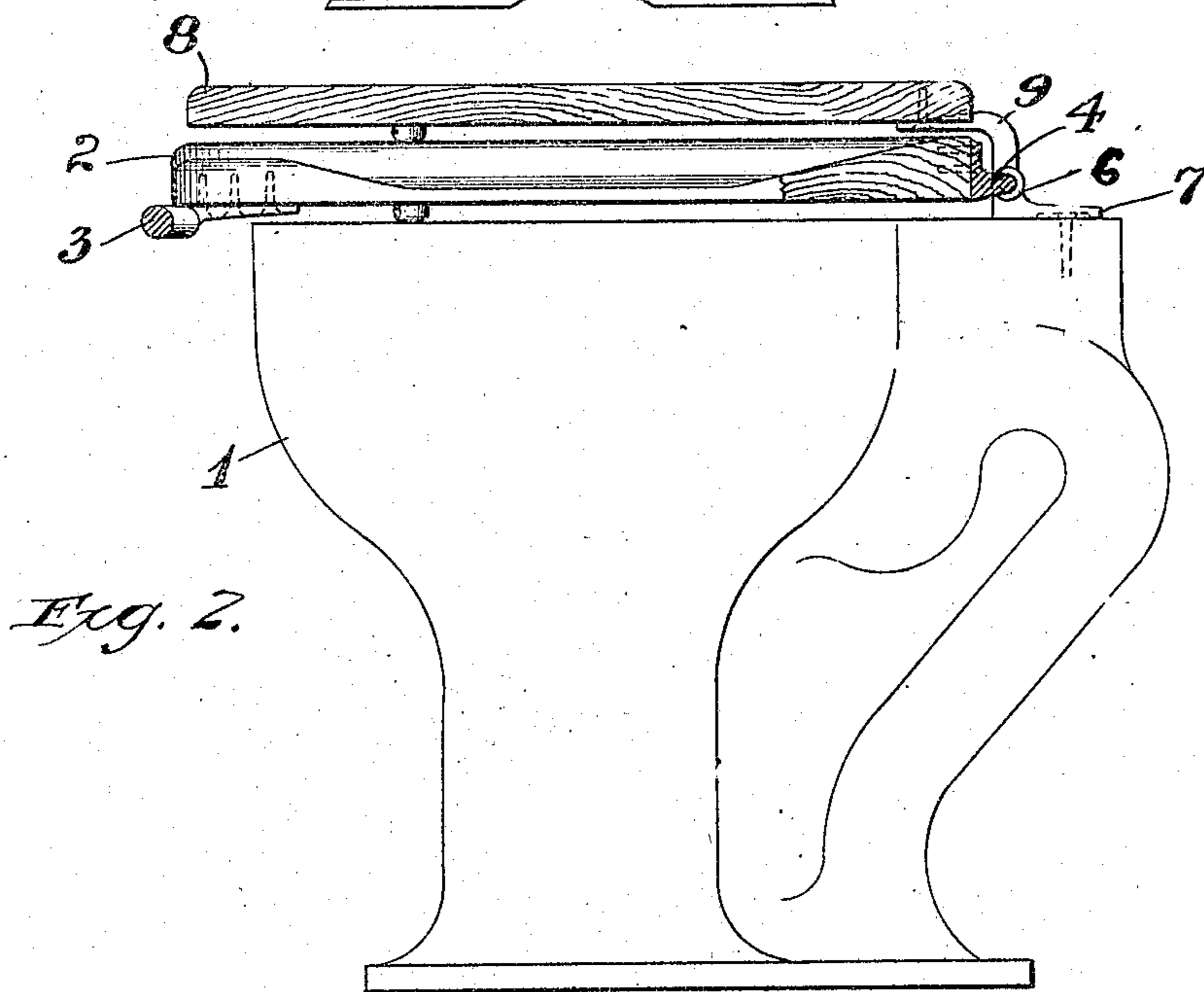
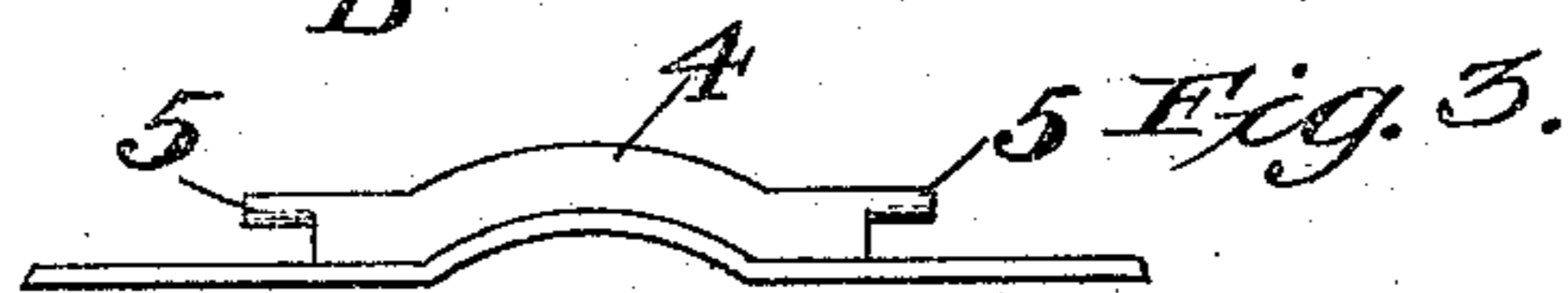
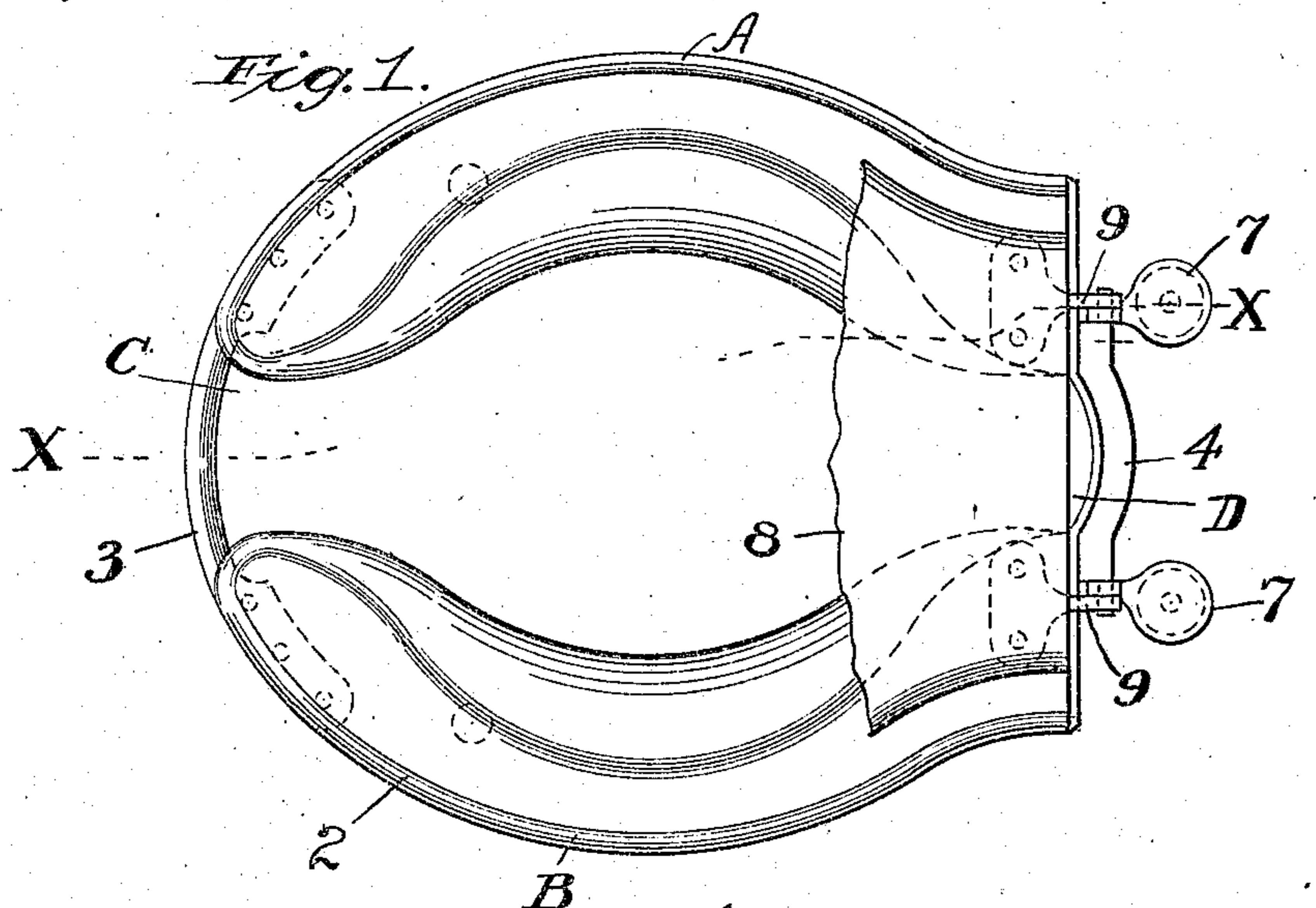


J. P. COWAN.  
WATER CLOSET SEAT.  
APPLICATION FILED FEB. 24, 1906.

911,942.

Patented Feb. 9, 1909.



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# UNITED STATES PATENT OFFICE.

JOSEPH P. COWAN, OF PITTSBURG, PENNSYLVANIA.

## WATER-CLOSET SEAT.

No. 911,942.

Specification of Letters Patent.

Patented Feb. 9, 1909.

Application filed February 24, 1906. Serial No. 302,710.

*To all whom it may concern:*

Be it known that I, JOSEPH P. COWAN, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Water-Closet Seats, of which improvement the following is a specification.

My invention relates to improvements in seats for water closets.

The object of my invention is to produce a seat in which the maximum of sanitary efficiency is attained and by the use of which the danger of infection by personal contact at the front and rear thereof is avoided or minimized.

A further object of my invention is to provide water closet seats with hinge connections so constructed that the seats can be adjusted to bowls without altering or changing the holes in the rear wall thereof in which the brackets are secured and to which the seat is pivotally connected.

I accomplish these objects by means of the device hereinafter described, reference being had to the accompanying drawings, forming part hereof, in which—

Figure 1 is a plan view of my improved water closet seat. Fig. 2 is a side elevation, partly in section, taken on line  $x-x$  of Fig. 1. Fig. 3 is a detail of the combined connecting bar and hinge shank or shaft.

Referring to said drawings, 1 is the bowl of the closet, which is of the usual construction, upon which the seat, 2, is adapted to be mounted. The said seat comprises two sections, A—B, which are conjoined at the front and rear by the connecting pieces 3—4. The said connecting piece 4 extends across the rear end of the sections, A—B, and is substantially L-shaped in cross section, the vertically disposed portion of which has its ends secured to the edges of the rear ends of the sections A—B. The horizontally disposed portion thereof is shorter than the vertically disposed portion and the ends thereof terminate in oppositely-extending shanks or shafts 5—5 on which the sectional seat is adapted to swing when mounted in eyes 6—6, formed in the brackets 7—7. Moreover, in order that the rear connecting piece 4 shall not operate to close the rear end of the opening between the sections A and B the central portion of said piece is bowed outwardly, as at 4'. The cover, 8, is provided with hinges 9, which are like-

wise pivotally mounted on said shanks or shafts 5. The cover, 8, is mounted on the shanks or shafts, 5, either on the outer ends thereof, as shown in Fig. 1 of the drawings, or if it happens that the brackets are more widely separated than as shown in the drawings relatively to the distance between the hinges on the cover, the relative positions of said hinges and the brackets may be changed on the shanks or shafts, 5, to enable the seat to be applied to the bowl without changing the position of the brackets 7.

It will be noted that the front portions of sections A—B project over and beyond the outer edge of the bowl, and that said sections are conjoined together at the outer front ends thereof by a narrow metal piece 3. The connecting piece 3 has its ends flattened, as at 3', and suitably fastened to the underside of the forward ends of the seat sections A and B, and said connecting piece also serves as a handle for conveniently raising and lowering the seat. By projecting the front ends of the sections A and B beyond the edge of the bowl the connecting piece 3 is positioned to be readily grasped when the seat is lowered. The said sections A—B are preferably shaped as shown in the accompanying drawings, and when assembled form a seat having an uninterrupted opening from end to end which is contracted at the front and rear ends into narrow channels or slits, C—D, whereby a person occupying the seat is protected against personal contact with the seat at such points. The sanitary advantages of this construction are obvious without further amplification.

I claim as my invention and desire to secure by Letters Patent:

1. A water closet seat, comprising two sections separated from each other throughout their length to provide an uninterrupted opening therebetween, and connecting pieces arranged at the forward and rear ends of said sections to retain the latter in separated relation, the forward connecting piece constituting a handle for raising and lowering the seat when positioned upon a bowl, the rear connecting piece being substantially L-shaped in cross section and having the ends of its vertical portion connected to the rear ends of the seat sections, the horizontal portion of said rear connecting piece having oppositely-extending shanks at its ends forming pivotal points upon which the seat swings when positioned upon a bowl.

2. A water closet seat, comprising two sections separated from each other throughout their length to provide an uninterrupted opening therebetween, and connecting pieces arranged at the forward and rear ends of said sections to retain the latter in separated relation, the forward connecting piece having its ends attached to the under side of the sections and constituting a handle for raising and lowering the seat when positioned upon a bowl, the rear connecting piece being substantially L-shaped in cross section and having the ends of its vertical portion connected to the edges of the rear ends of the seat sections, the horizontal portion of said rear connecting piece being of less length than the vertical portion and having oppositely-extending shanks at its ends forming pivotal points upon which the seat swings when positioned upon a bowl.

3. A water closet seat, comprising two sections separated from each other throughout their length to provide an uninterrupted opening therebetween, and connecting pieces arranged at the forward and rear ends of said sections to retain the latter in separated relation, the forward connecting piece constituting a handle for raising and lowering the seat when positioned upon a bowl, the rear connecting piece being substantially L-shaped in cross section and having its central portion bowed outwardly to remove said portion from the opening between the seat sections, the ends of the vertical portion being connected to the rear ends of the seat

sections, the horizontal portion of said rear connecting piece having oppositely-extending shanks at its ends forming pivotal points upon which the seat swings when positioned upon a bowl.

4. A water closet seat, comprising two sections separated from each other throughout their length to provide an uninterrupted opening therebetween, and connecting pieces arranged at the forward and rear ends of said sections to retain the latter in separated relation, the forward connecting piece having its ends attached to the under side of the sections and constituting a handle for raising and lowering the seat when positioned upon a bowl, the rear connecting piece being substantially L-shaped in cross-section and having its central portion bowed outwardly to remove said portion from the opening between the seat sections, the ends of the vertical portion being connected to the rear ends of the seat sections, the horizontal portion of said rear connecting piece being of less length than the vertical portion and having oppositely-extending shanks at its ends forming pivotal points upon which the seat swings when positioned upon a bowl.

In testimony whereof, I have hereunto signed my name in the presence of two subscribing witnesses.

JOSEPH P. COWAN.

In the presence of—

CLARENCE A. WILLIAMS,  
JOHN H. RONEY.