No. 807,305. PATENTED DEC. 12, 1905.

C. H. MUCKENHIRN.

WATER CLOSET AND SEAT THEREFOR.

APPLICATION FILED MAR. 6, 1905.

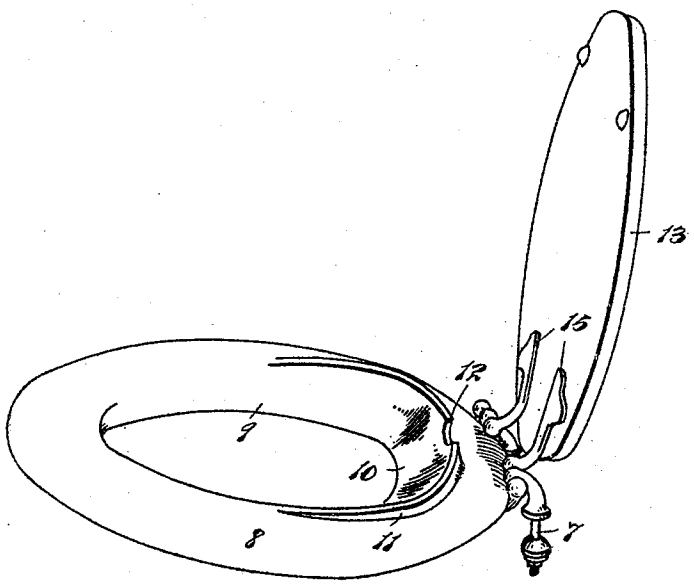


Fig 2.

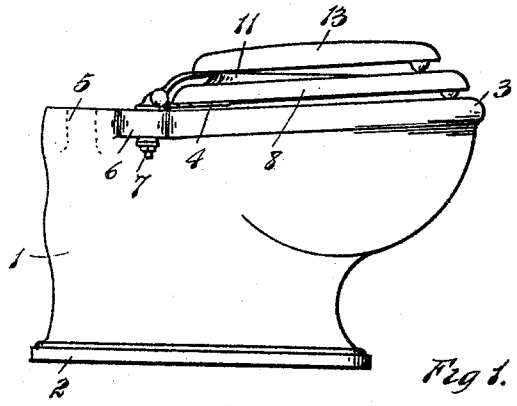


Fig 1.

WITNESSES

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CHARLES H. MUCKENHIRN, OF SALEM, NEW JERSEY.

WATER-CLOSET AND SEAT THEREFOR.

No. 807,305. Specification of Letters Patent. Patented Dec. 12, 1905.

Application filed March 6, 1905. Serial No. 248,651.

To all whom it may concern:

Be it known that I, CHARLES H. MUCKENHIRN, a citizen of the United States, residing at Salem, county of Salem, State of New Jersey, have invented a certain new and useful Improvement in Water-Closets and Seats Therefor; and I declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to water-closets and seats therefor. It has for its object an improved bowl construction and seat construction adapted to the bowl, by means of which the user is forced to assume a position that relieves from pressure those muscles or muscular parts that are especially called into action at the time the structure is used. It also involves the special formation of the seat, which forces the user to assume the position that will overcome any liability to soil the seat.

In the drawings, Figure 1 is a side elevation of the assembled structure. Fig. 2 is a perspective of the seat and lid therefor.

The bowl 1 rests on the floor in the usual manner, with a floor foot or flange 2. The rim of the bowl is inclined to the floor and has the front edge 3 of the rim somewhat higher than the rear edge 4. Behind the rimmed opening is the usual inlet-opening 5 for the flush-water and ears, one of which, 6, is shown, for the attachment of the bolts 7, by means of which the seat is held to the bowl. The seat 8 is an oval seat with an oval opening 9, the rear boundary of which slopes from the lower part of the opening upward and backward with a concave surface 10, and this concave surface extends above the normal thickness of the seat material and is supported by or in part forms the surface of a ridge 11, that extends around the rear of the oval opening, rising above the normal surface of the seat on either side of the notch 12 and increasing the transverse extent of the surface from three-quarters of an inch to an inch. At the extreme rear is a notch 12 cut into the raised rim in order that at this part of the rim there may be no surface to engage the end of the backbone, which in some persons is abnormally developed and might be injured by striking the rim. The ridge decreases in prominence as it runs to the front and finally vanishes in the normal surface of the seat at or near the middle line from the front to rear of the seat.

The cupped or concaved rear surface of the opening forces the sitter forward. The front end of the seat being above the rear end, the inclination tends to force the sitter back, and the position assumed makes it impossible to soil the seat at any part.

The lid 13 is of the usual character, hinged to the back part of the seat by leaves 15 on the same pintles with the hinges of the main part of the seat.

What I claim is—

1. In a closet, in combination with a bowl having a rim inclined from the front to the rear and with the higher part of the inclination to the front, a seat hinged to rest upon the inclined bowl, and provided at the rear of the opening therethrough with a concaved surface, a ridge surrounding the rear of the opening increasing the transverse extent of said concave surface, substantially as described.

2. In a closet, in combination with a bowl having a rim inclined from the front to the rear and with the higher part of the inclination to the front, a seat hinged to rest upon the inclined bowl, and provided at the rear of the opening therethrough with a concaved surface, a ridge surrounding the rear of the opening, increasing the transverse extent of said concave surface, and provided with a notch at the extreme rear, substantially as described.

3. In a closet, in combination with a bowl having a rim inclined from the front to the rear and with the higher part of the inclination to the front, a seat hinged to rest upon the inclined bowl, and provided at the rear of the opening therethrough with a concaved surface, a ridge surrounding the rear of the opening, increasing the transverse extent of said concave surface, said ridge having a notch at the extreme rear, and being highest on either side of said notch and gradually diminishing toward the front of the opening, substantially as described.

In testimony whereof I sign this specification in the presence of two witnesses.

CHARLES H. MUCKENHIRN.

Witnesses:
LOTTA LEE HAYTON,
CHARLES F. BURTON.