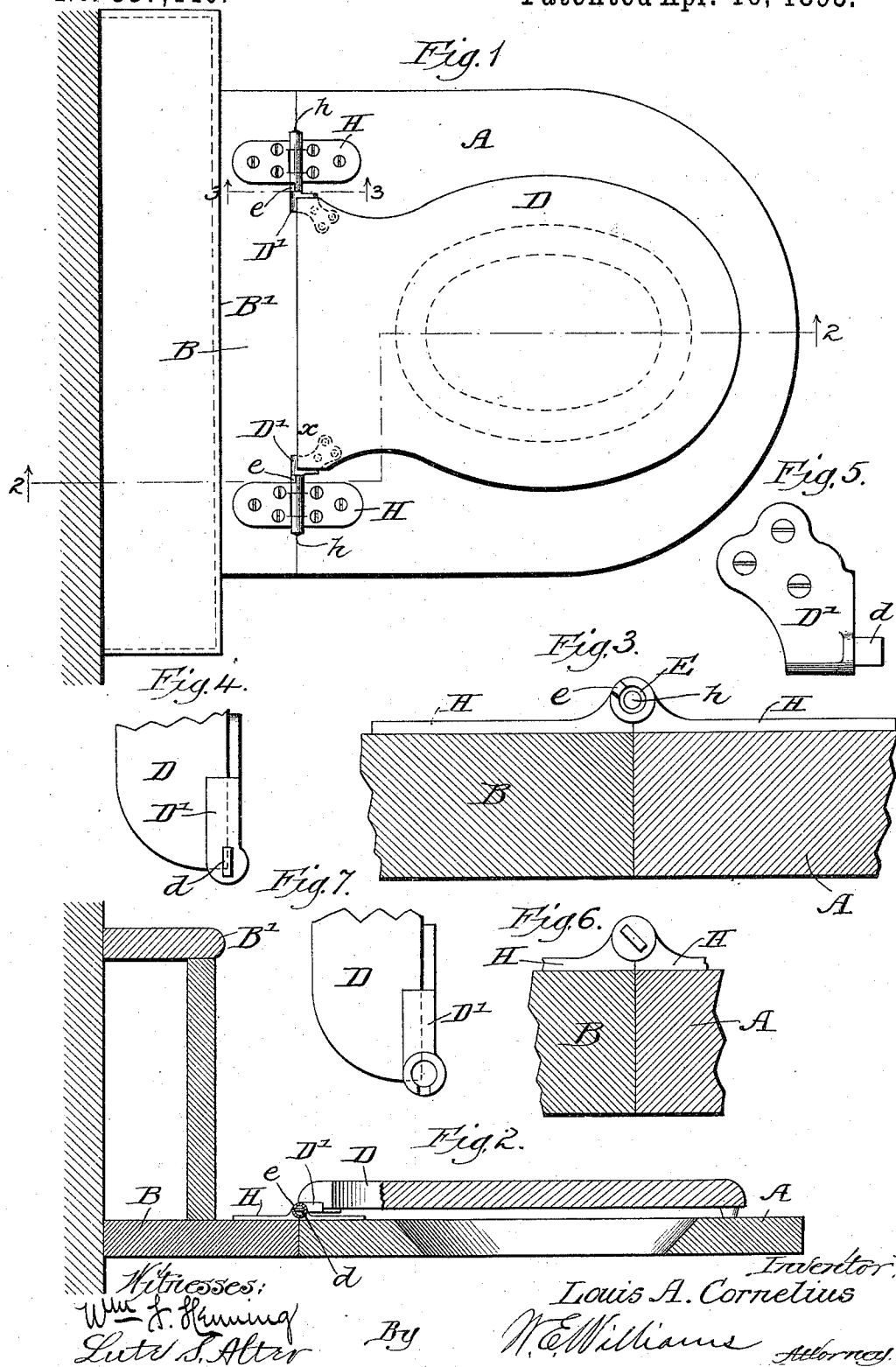


(No Model.)

L. A. CORNELIUS.
SANITARY CLOSET SEAT HINGE.

No. 537,440.

Patented Apr. 16, 1895.



UNITED STATES PATENT OFFICE.

LOUIS ALEXIS CORNELIUS, OF CHICAGO, ILLINOIS.

SANITARY-CLOSET SEAT-HINGE.

SPECIFICATION forming part of Letters Patent No. 537,440, dated April 16, 1895.

Application filed November 4, 1893. Serial No. 489,984. (No model.)

To all whom it may concern:

Be it known that I, LOUIS ALEXIS CORNELIUS, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Sanitary-Closet Seat-Hinges, of which the following is a specification.

My invention relates to hinges for seats that are fastened to the wall or wainscoting back of the closet bowls, and are provided with a cover hinged to the seat; and has for its object to make a hinge for both pieces that will permit the cover to be readily detached for convenience of the dealers, and at the same time will be cheaply made and not alter the form ordinarily used for seats where no cover is desired; and the invention consists in the devices set forth in the claims hereof.

Reference will be had to the accompanying drawings.

Figure 1 is a top plan of the seat and cover when both are down. Fig. 2 is a side view thereof in section on line 2—2 Fig. 1. Fig. 3 is an enlarged side sectional view on line 3—3 Fig. 1. Fig. 4 is an enlarged end view of the part of the hinge fixed to cover; it being the corner marked "x" on Fig. 1 when the cover is in a vertical position. Fig. 5 is a side view of the same. Fig. 6 is an enlarged sectional view, same as Fig. 3 showing an alternate construction. Fig. 7 is the same as Fig. 4 showing alternate construction to correspond with Fig. 6.

In the drawings "A" designates the closet seat, the bowl not being shown.

"B" designates the back piece of the seat fastened to the wall here shown with a wooden frame backing having the corner projection, "B'." In closets where this backing "B'" is not used the water pipe that supplies the closet furnishes a backing corresponding to the point "B'" against which the cover rests when up.

"D" is the cover of the seat.

The seat is hinged to the back piece "B" by hinges "H" made in the ordinary manner except that on the inner ends of the hinge centers there are sockets "E" into which the hinge pins "h" do not enter, and in the side of these sockets there are slots "e."

To the cover "D" are fixed hinge pieces

"D'" having projections "d" which projections are of a width equaling the diameter of the sockets "E" and of a thickness equaling the width of the slot "e" in the sides of the sockets. The width of these projections "d" is in a plane parallel with the surface of the cover; and the position of the slot "e" in the socket is on the back of the socket at an angle of about forty-five degrees from the surface of the seat.

At any time when the seat "A" with its back piece "B" is not fixed to the wall, the cover "D" may be readily connected to the hinge "H" by holding the cover at the proper angle and inserting the projections "d" into the sockets "E" through the slots "e," and when the seat is in position the point "B'" of the backing prevents the cover being turned back sufficiently to bring the projections "d" in position to the slots "e." Hence it serves every purpose of an ordinary hinge; and the hinge "H" constructed with the socket "E" has the same general outline and form as it would have without the socket "E," and costs no more to make, and when the cover "D" is removed, no one would ordinarily notice the socket "E;" and the dealer can make all his stock with those hinges and supply covers to any that may need them, and at any time covers may be added to the seats previously put out by the dealer; and this form of hinge is a considerable saving of expense, and adds much to the general appearance of the goods, and requires a less number of pieces for the seat and backing than has previously been used.

It is evident that I may substitute the projection "d" for the socket "E" on the hinge "H," as in Figs. 6 and 7, and have the same result, it being a matter of choice which part the socket "E" or projection "d" is put on pieces "H" or "D'."

What I claim is—

1. The combination with a closet seat hinge provided with an extra pintle socket having, for the lateral entrance of a flat pintle, a slot of a width less than the diameter of the socket, of a seat cover hinge leaf having a flat pintle adapted to work in said socket and having a width greater and a thickness not greater than the width of said slot, for the purposes set forth.

2. The combination with a closet seat hinge having an open socket provided with a lateral slot of a width less than the internal diameter of the socket, of a cover leaf having a flat pin-
5 tle whose width and thickness are substantially equal, respectively, to the diameter of the socket and the width of the slot, and whose plane makes an angle with the plane of said slot in all positions possible to the cover leaf when in practical use. 10

In witness whereof I have hereunto signed my name in the presence of two witnesses.

LOUIS ALEXIS CORNELIUS.

Witnesses:

L. W. MURPHY,
J. A. WILLIAMS.