Oct. 11, 1938. C. E. WEXELBERG 2,132,550

TOILET SEAT AND LID

Filed Oct. 3, 1935

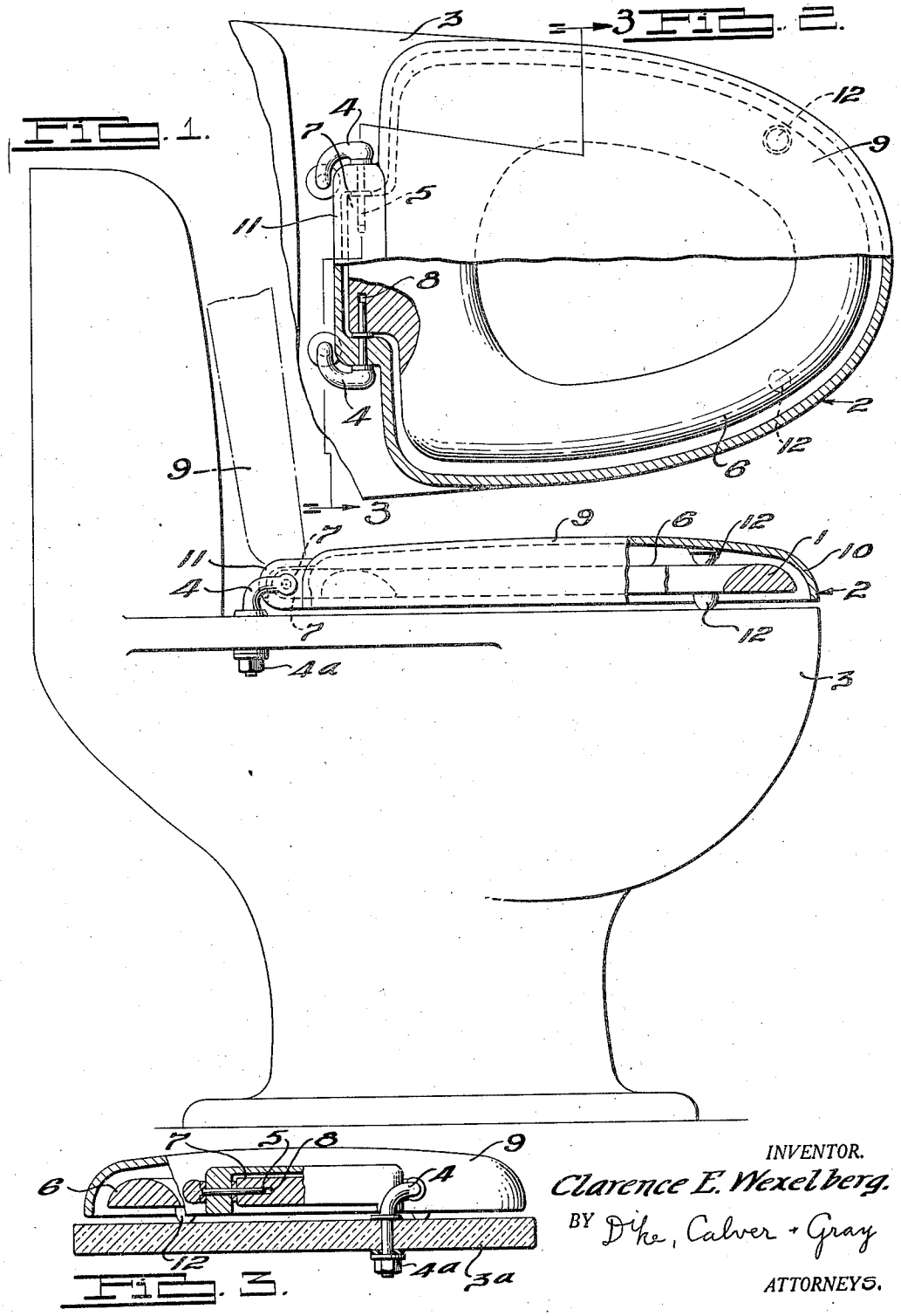


FIG. 1.

FIG. 2.

FIG. 3.

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Patented Oct. 11, 1938 2,132,550

UNITED STATES PATENT OFFICE

2,132,550

TOILET SEAT AND LID

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Application October 3, 1935, Serial No. 43,315

2 Claims. (Cl. 4—234)

This invention relates to toilet seats and covers for water closets, an object of the invention being to provide a toilet seat and cover in which the seat is completely concealed by the cover when not in use and in which the cover is rounded and so shaped that its general contour blends with that of the bowl.

Another object of the invention is to provide a toilet seat cover which, with its pivot carrying portion is so shaped that it can be made of a single thin sheet of material, such as pressed steel or other metal, and possesses the requisite strength and rigidity.

Other objects of this invention will appear from the following description and appended claims, reference being had to the accompanying drawing forming a part of this specification wherein like reference characters designate corresponding parts in the several views.

Fig. 1 is a side elevation showing the toilet seat partly in section on a toilet.

Fig. 2 is a plan view, one-half of which is in section.

Fig. 3 is a rear view of the seat, one-half of which is in section on the line 3—3 of Fig. 2.

Before explaining in detail the present invention it is to be understood that the invention is not limited in its application to the details of construction and arrangement of parts illustrated in the accompanying drawing, since the invention is capable of other embodiments and of being practiced or carried out in various ways. Also it is to be understood that the phraseology or terminology employed herein is for the purpose of description and not of limitation, and it is not intended to limit the invention claimed herein beyond the requirements of the prior art.

The preferred form herein illustrated by way of example, consists of the seat 1 and cover 2 pivotally mounted on a bowl 3 by means of a pair of brackets 4. The bowl 3 may be of any conventional type, the one shown herein by way of example, having a generally round exterior contour. The brackets 4 are bolted at 4a to a horizontal ledge 3a at the rear of the bowl and extend outwardly and forwardly, terminating in horizontal axially alined inwardly extending pivot pins 5 upon which are mounted the seat 1 and cover 2.

The seat 1 may be made of suitable material such as wood, "Bakelite", or the like, but preferably comprises an integral member stamped from a single blank of sheet metal and is encased in a moldable plastic material such as rubber composition, "Bakelite" or pyroxylin. The seat comprises a main apertured portion 6 and an extension 7 at the back projecting between the brackets 4. In the extension of the seat are two horizontal axially alined holes 8 which receive the ends of the pins 5. The extension 7 is of such a width and the brackets are so placed that the sides of the extension are spaced inwardly from the main portions of the brackets 4 in order that the cover 2 can also be pivotally mounted upon the pins 5.

The cover 2 can be made of any suitable material such as metal, "Bakelite", or other plastic composition, but is especially adapted to be made of pressed sheet metal, such as stainless or other steel, or of Monel metal, aluminum, bronze or other non-ferrous alloy or metal. Preferably it comprises an integral member stamped from a single blank of sheet metal and encased in a moldable plastic material such as rubber composition, "Bakelite", or pyroxylin.

The cover 2 consists of a top 9 of substantially uniform thickness which extends over the seat and the central aperture therein and a marginal portion 9a which curves down over the edge of the seat so that the edge of the cover is lower than the under surface of the seat. At the back of the cover 2 is an extension 11 which encloses the extension 7 of the seat. The sides of this extension lie between the extension 6 at the back of the seat and the main parts of the brackets 4 and are apertured to pivotally receive the pins 5.

On the inside of and near the front of the cover and on the bottom near the front of the seat are two pairs of resilient bumpers 12 adapted to contact the top of the seat and the top of the bowl respectively. The cover and the bowl are so shaped that the front and side edges of the cover are above and closely adjacent to the front and side edges of the top of the bowl and the rear edge of the seat is close to the top surface of the bowl. The cover and bowl thus form one artistic whole with the surface of one forming a continuation of the surface of the other, and the seat is completely enclosed and hidden when not in use.

I claim:

1. In a water closet, a seat having an approximately annular seat portion and an extension at the back, a cover for the seat enclosing the seat portion at the top and sides thereof and having an extension similarly enclosing the extension of the seat, and a pair of fixed pivot pins extending through the sides of the extension of the cover into the extension of the seat.

2. In a water closet, a bowl having a rounded front and sides and a flat top, a seat above the bowl having an approximately annular seat portion and an extension at the back, the edge of the seat being spaced in from the edge of the bowl, a cover for the seat having a main portion enclosing the seat portion and an extension enclosing the extension of the seat, the cover having a depending edge surrounding the seat, the front and side edges of the cover being close to the front and side edges of the top of the bowl so that the surface of the cover forms a continuation of the surface of the bowl, and a pair of brackets mounted at the back of the top of the bowl and having axially alined horizontal pivot pins extending through the sides of the extension of the cover into the extension of the seat.

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