

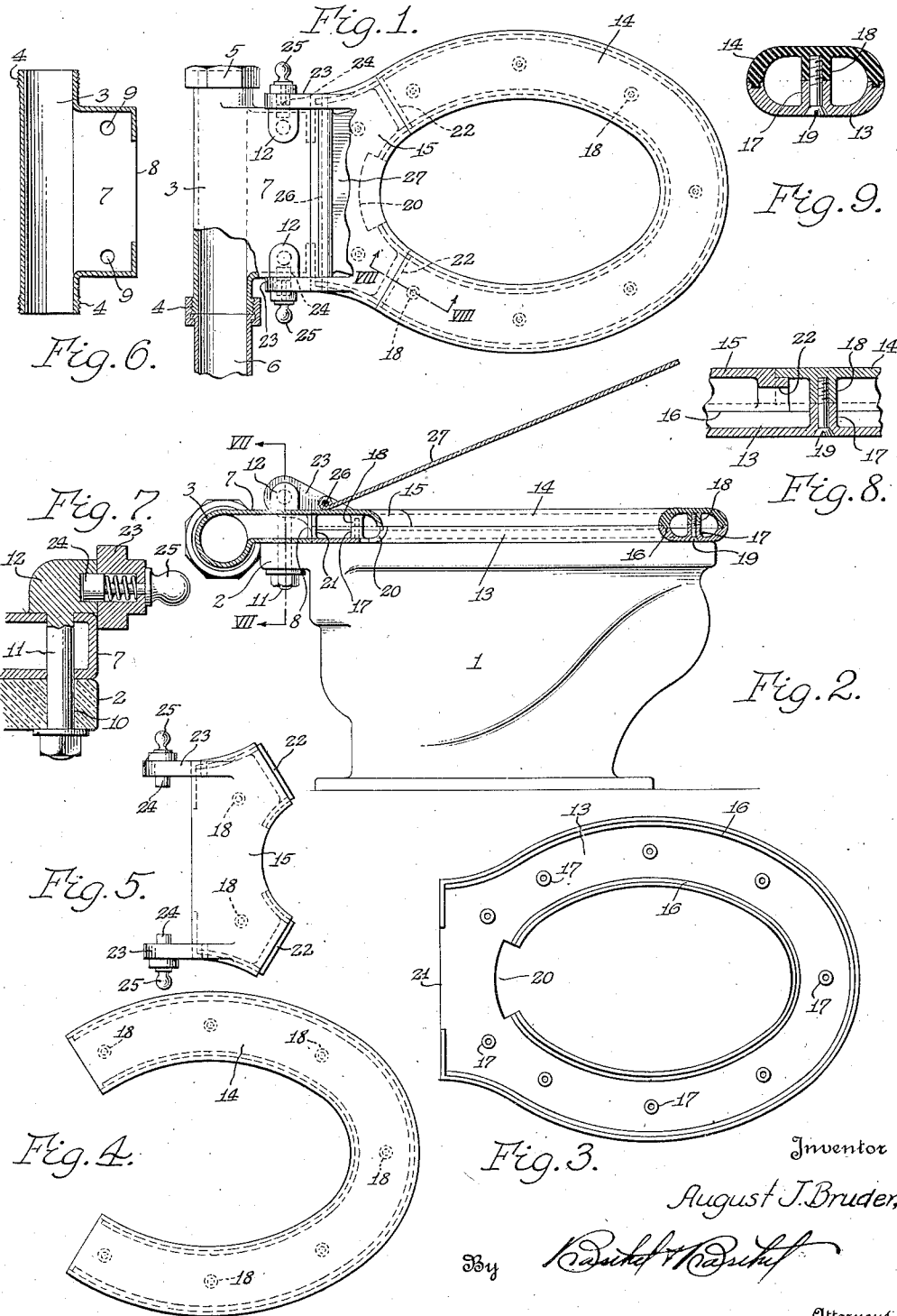
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TOILET SEAT

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TOILET SEAT.

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This invention relates to a toilet seat and has special reference to a seat that is ventilated to remove obnoxious fumes or odors from a toilet bowl while in use, such a seat being applicable to ordinary toilet bowls by simply changing the mounting of the seat.

The primary object of my invention is to provide a sanitary hollow toilet seat having an upper surface differing from the lower surface of the seat to the extent of providing an insulator between a body on the seat and metallic parts of the seat, so that the body will not be chilled by a cold metallic or composition surface, similar to enamel, wood or the like.

Another object of this invention is to provide a hollow toilet seat composed of a plurality of sections rigidly and firmly connected together in a manner that eliminates warping and cracking, of parts, besides assisting in maintaining the seat in a sanitary condition.

A further object of this invention is to provide a novel pivotal mounting for a bowl seat which will permit of the seat being easily and quickly removed when it is desired to scald or thoroughly clean the same.

The above are a few of the objects attained by the novel construction of my toilet bowl seat and others may hereinafter appear as the invention is better understood by aid of the drawing, wherein

Figure 1 is a plan of the toilet seat partly broken away and partly in section;

Fig. 2 is a side elevation of a toilet bowl showing the seat in longitudinal section;

Fig. 3 is a plan of the bottom section of the seat;

Fig. 4 is a plan of the front top section of the seat;

Fig. 5 is a plan of a back top section of the seat;

Fig. 6 is a horizontal sectional view of an outlet T connection;

Fig. 7 is a cross sectional view on the line VII-VII of Fig. 2;

Fig. 8 is a detail sectional view showing front and back top sections joined on the bottom section, and

Fig. 9 is a cross sectional view of a portion of the seat illustrating a modified form of connection between the top and bottom sections.

In the drawing, the reference numeral 1 denotes a conventional form of toilet bowl having a back ledge 2 and mounted on this

ledge is an outlet T connection 3 provided with screwthreaded ends 4 so that a cap 5 may be mounted on one end of the connection and an outlet or vent pipe 6 suitably coupled to the opposite end of the connection.

The T connection includes an inlet portion 7 substantially rectangular and provided with a wide opening 8 and apertures 9, said apertures vertically alining with openings 10 in the back ledge 2 of the bowl, so as to receive nut equipped socket bolts 11 having socket heads 12.

The toilet seat is composed of a bottom section 12, a front top section 14 and a back top section 15. The bottom section 12 may be made of metal and in addition to being substantially oval in plan it is dished or channel shaped throughout its configuration with the inner and outer edges of the section formed with upstanding flanges to provide seats 16 for the front and back top sections, which snugly fit on the bottom section, as brought out in section in Fig. 2. As the mechanical equivalent of such connection between the bottom and top sections there may be a tongue and groove connection, as shown in Fig. 9. In addition to these edge connections the bottom section 13 is formed with posts 17 disposed at intervals about said section and adapted to adjoin posts 18 of the top sections 14 and 15, so that grooves 19 or the like may be mounted in the bottom section 13 to connect the top sections thereto. The front and back top sections are preferably made of rubber or a non-metallic composition and said sections are inverted channel shape so as to cooperate with the bottom section in forming a hollow shell toilet seat.

The bottom section 13 meets the inlet portion 7 of the T connection 3 and said bottom section has openings 20 and 21 for alinement with the opening 8 of the T connection, the opening 21 registering with the openings 8 and establishing communication between the bowl, the interior of the hollow seat and the T connection for ventilating purposes.

The bottom section 13 is complete for the lower part of the toilet seat, but the upper part of the seat is formed by the adjoining front and back sections 14 and 15, the latter having lateral flanges 22 on to which extend the rear ends of the front section 14, as best shown in Fig. 8. The back section 15 cooperates with the bottom section 13 in pro-

viding the ventilating openings and the back section is formed with rearwardly and upwardly extending side lugs 23 by which the complete toilet seat may be detachably and pivotally connected to the socket bolts 11 at the rear of the bowl 1. For this purpose, the lugs 23 have spring pressed pintles 24 provided with knobs 25, and the pintles 24 are adapted to extend into the socket heads 12 of the bolts 11 and connecting the toilet seat to the bowl so that it may be raised in the usual manner or completely removed.

The barrel portion 26 of a lid 27 may be pivotally mounted between the lugs 23.

All the toilet seat with the exception of the front top section 14 may be made of metal, but this front top section is made of non-metallic material so as to avoid a chill or cold effect for the occupant of the seat. I prefer to use a hard rubber composition that may be molded or otherwise formed, the composition being impervious and of such a nature as to be readily maintained in a sanitary condition.

It is thought that the utility of my in-

vention will be apparent without further description, and while in the drawings there is illustrated a preferred embodiment of the toilet seat, it is to be understood that the structural elements are susceptible to such changes as are permissible by the appended claim.

What I claim is:—

The combination of a toilet bowl, an outlet T connection thereon, and a hollow seat pivotally and detachably connected to said bowl and having an opening establishing a ventilating connection between said bowl and the connection, said seat being composed of a bottom section having posts, front and back top sections fitted in said bottom section, posts carried by said top sections and adjoining the posts of said bottom section, the front top section having a lap joint with the front and back top section, and means connecting the adjoining posts of the sections together.

In testimony whereof I affix my signature.

AUGUST J. BRUDER.