

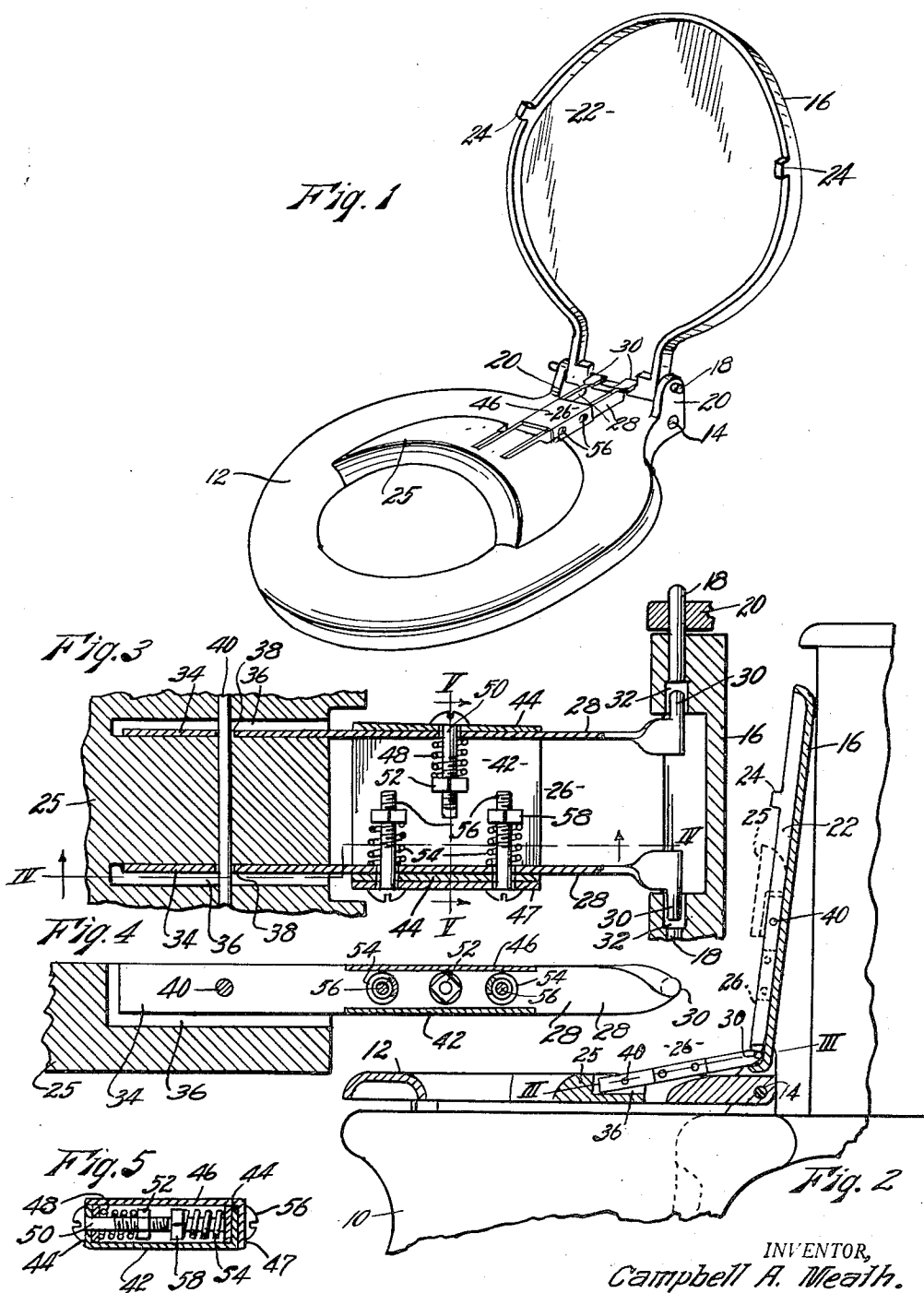
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TOILET SEAT

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2,693,602

TOILET SEAT

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1 Claim. (Cl. 4—235)

This invention relates to improvements in toilet seats and has particular reference to a seat of this character wherein means is provided for selectively providing either an adult or a child seat.

A further object of the present invention is the provision of a toilet seat having an easily attachable and detachable child's seat section, and one having adjustable means whereby the child's seat may be adjustable relative to its supports whereby it may conform properly with the adult seat and the seat cover.

Another object of this invention is the provision of a child-sized seat section adapted to be fitted into the normal sized adult toilet seat to form a comfortable child-sized seat, and adjustable means connecting with said child-sized seat section with a seat lid whereby said seat section may be snugly positioned against said seat lid.

Other objects are simplicity and economy of construction, ease and efficiency of operation, and adaptability for use on the various types of toilet seats.

With these objects in view as well as other objects which will appear during the course of the specification, reference will be had to the drawing wherein:

Fig. 1 is a perspective view of a toilet seat embodying this invention.

Fig. 2 is a central sectional view of the toilet seat with the child's seat section shown in solid lines in the operative position and in dotted lines in the inoperative position.

Fig. 3 is an enlarged sectional view taken on line III—III of Fig. 2.

Fig. 4 is a sectional view taken on line IV—IV of Fig. 3.

Fig. 5 is a cross sectional view taken on line V—V of Fig. 3.

Throughout the several views like reference characters refer to similar parts and the numeral 10 designates a standard toilet bowl provided with a standard adult seat 12 pivoted to the bowl at 14, and provided with a lid or seat cover 16 hinged by pins 18 to seat ears 20 so that the lid may be easily moved to or from the closed position.

It will be noted that the lid 16 is of the molded plastic type recessed at 22 and provided with depending lugs 24 to rest on top of seat 12 when in the closed position.

Due to the fact that child's seat section 25 must be adapted to be snugly fitted into the adult seat section 12 with its upper surface in substantially planar relation with the upper surface of the adult seat section, and when it is raised to the inoperative position its upper surface must rest in planar relation against the recessed surface of lid 16, it becomes necessary to provide a connector 26 between the child's seat section and the lid section that will permit of a hinging movement of the child's seat section relative to the connector 26.

Connector 26 comprises two bars 28 having outwardly turned trunnions 30 at its outer ends, adapted to engage in recesses 32 formed in lid 16 in axial alignment with pins 18. The inner end portions 34 of bars 28 are adapted to fit loosely into grooves 36 found in the upper surface of seat section 25. The bar portions 34 are punched to form holes 38 to receive pin 40 whereby the

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seat 25 is secured for limited pivotal movement on said bars. Referring to Figs. 3 and 5 it will be noted that a channel member 42 is adapted to receive the bars 28 against the inner parallel walls of its legs 44, and that a top cover angle member 46 is adapted to rest on top of bars 28 with its leg 47 resting on the angle leg 44. Both channel member 42 and angle member 46 are morticed into the edges of bars 28 so as to maintain the connector parts in planar relation, see Fig. 4.

One of bars 28 is urged against leg 44 by a spring 48 mounted on bolt 50 which extends through leg 44 and bar 28. This spring 48 is forced against bar 28 by nut 52 which is operatively positioned on the bolt.

The other bar 28 is likewise urged against the opposite leg 44 of channel 42 by springs 54 mounted on bolts 56 which pass through bar 28, leg 44 and leg 47, and are provided with adjusting nuts 58.

It is apparent that by compressing the two bars 28 between the thumb and fingers adjacent the trunnions 30, the trunnions can be moved toward each other and removed from or inserted into recesses 32.

Grooves 36 are made sufficiently wide to permit of this movement to mount or dismount the child's seat section.

The structure set forth provides a toilet seat having an opening provided with a recessed lid hinged thereto and adapted to be moved to the opened or closed position. Also a relatively small semicircular seat section is provided to snugly fit into said seat opening to present a child size opening. Said seat section being secured to said lid by means of a connector pivoted at its opposite ends respectively to said seat section and to said lid, whereby said small seat section may be positioned to form said small seat opening and also in the opened position to rest in said recessed lid. This connector is provided with resilient means whereby it is transversely collapsible whereby said seat section is removable from said lid when it is not needed.

What I claim as new and desire to protect by Letters Patent is:

A toilet seat having an opening, a recessed lid pivoted to said seat, a relatively small semi-circular seat section adapted to fit within said seat opening to form a reduced seat opening, said lid having a pair of confronting, spaced apart recesses formed therein coaxially with the pivotal axis of said lid, and a connector between said small seat section and said lid whereby said small seat section may be moved to a position tightly against the underside of said lid, said connector comprising a pair of normally parallel bars each connected at one end to said small seat section for universal pivotal movement relative thereto about centers lying in a line parallel to the pivotal axis of said lid, each of said bars having an outwardly projecting trunnion at its opposite end normally disposed within one of said lid recesses, a channel member fitted over said bars intermediate their ends and having parallel side walls disposed respectively on the distal sides of said bars, and springs carried by said channel members and urging said bars outwardly against said channel side walls, whereby said bars are held yieldably in parallel relation and the trunnions of said bars are held releasably in said lid recesses.

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