April 23, 1963 J. F. GASS 3,086,223

ADJUSTABLE RAISED TOILET SEAT

Filed May 18, 1961

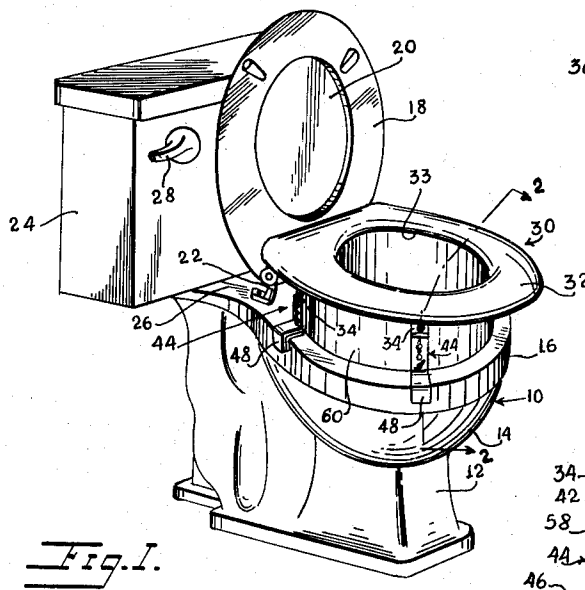


Fig. 1.

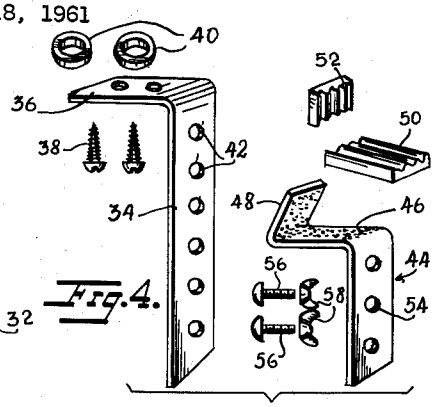


Fig. 4.

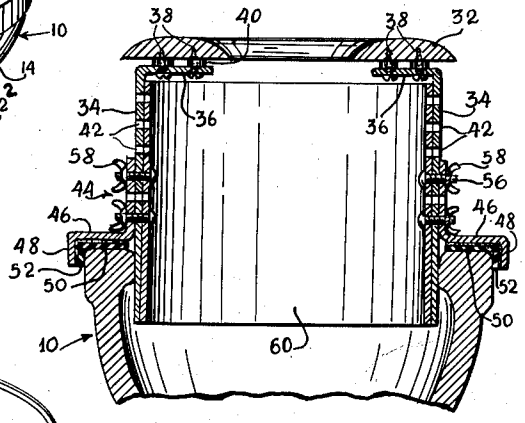


Fig. 2.

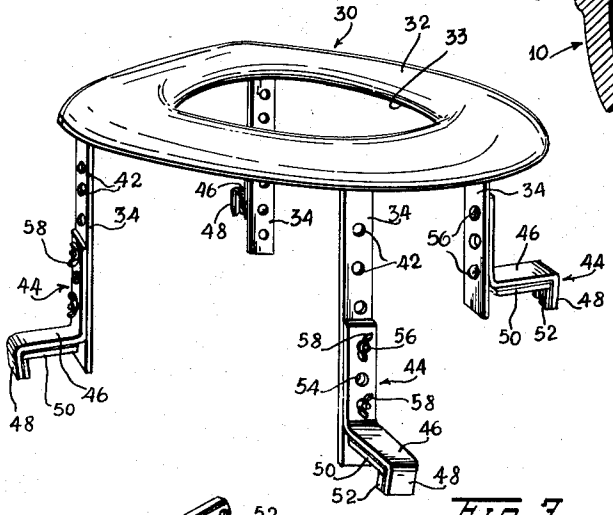


Fig. 3.

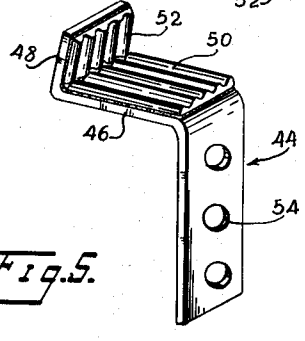


Fig. 5.

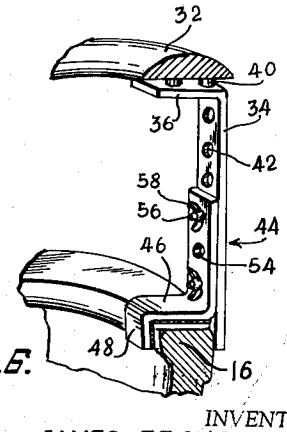


Fig. 6.

INVENTOR.
JAMES FRANCIS GASS
BY
Walter Holcombe
ATTORNEY

United States Patent Office 3,086,223 Patented Apr. 23, 1963

3,086,223

ADJUSTABLE RAISED TOILET SEAT

James Francis Gass, 66 E. 83rd St., New York, N.Y.

Filed May 18, 1961, Ser. No. 111,895
1 Claim. (Cl. 4—237)

This invention relates to toilet seats and more particularly to an auxiliary, portable and adjustable toilet seat adapted to be secured on a conventional toilet bowl without removing the conventional toilet seat.

Invalids, cripples, elders and others find it difficult to sit on the toilet seats at normal height. It is accordingly the principal object of the present invention to provide a portable toilet seat that is adapted to be readily attached to and detached from a toilet bowl without interfering with the conventional toilet seat and cover on the bowl, and that is adjustable to seat levels to fit all individual requirements.

A specific object is to provide an auxiliary toilet seat which provides a higher seating surface for cripples, invalids, elders and the like.

Another object is to provide novel mounting means for securing an auxiliary toilet seat to a conventional toilet bowl.

Other objects of the invention are to provide an auxiliary toilet seat that is convenient to manipulate, durable, attractive in appearance, easily cleaned, sanitary, simple in construction, economical to manufacture, comfortable, safe, and affording independence and ease.

For further comprehension of the invention and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claim in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

FIG. 1 is a perspective view of a toilet bowl assembly, with a toilet seat embodying the invention applied to the toilet bowl.

FIG. 2 is a vertical sectional view taken on the plane of the line 2—2 of FIG. 1.

FIG. 3 is a top perspective view of the improved toilet seat per se.

FIG. 4 is a spread perspective view of a leg and bracket assembly used with the toilet seat.

FIG. 5 is a bottom perspective view of a bracket used with the toilet seat.

FIG. 6 is a fragmentary perspective view of a fragment of a toilet bowl and toilet seat, showing the improved toilet seat applied in a manner different from the manner of applying as shown in FIG. 1.

Referring in detail to the drawing, in FIG. 1 there is shown a toilet bowl **10** of ordinary construction having a base **12**, a bowl portion **14** open at the top with a lip or flange **16** therearound. A conventional toilet seat **18** and cover **20** therefore are permanently fixed and hingedly mounted to the bowl by a seat and cover hinge **22**. The seat and cover are shown in raised position. A flush tank **24** containing water and valve mechanism for flushing the bowl is mounted adjacent the bowl and connected to the bowl by suitable water conduit structure **26**. An operating handle **28** is mounted on the tank.

In accordance with the present invention, an auxiliary toilet seat indicated generally at **30** is provided and shown mounted on the lip **16** of the bowl portion **14**. The toilet seat **30** has a narrow substantially oval body **32** with round upper side and a flat lower side and may be made of wood, plastic or any other suitable material and may be colored to conform to the motif of the bathroom. The body has a central opening **33**. A plurality of flat metal bars constituting legs **34** depend from the body **32**. The

legs are formed with angular feet or flanges **36** at one end which are secured to the under surface of the body **32** by means of screws **38**. Washers **40** may be placed between the feet or flanges and the body if desired. The legs are formed with equidistantly spaced holes **42** along the centers thereof. Four of such legs are shown.

Brackets **44** made of flat bar metal similarly to the legs **34**, are adjustably connected to the bottom free ends of the legs. The brackets are each bent at one end forming a right angular flange **46**, which flange terminates in short flange **48** disposed substantially perpendicularly to the flange **46** and disposed substantially parallel to the body of the bracket. It will be noted that the flange **48** slants slightly inward toward the body of the bracket. Flange **46** is covered by a corrugated strip of rubber **50** and the inner surface of flange **48** is similarly covered with a corrugated strip of rubber **52**. The body portion of the bracket is formed with a plurality of equidistantly spaced holes **54** along its center. The metal bars constituting the legs and brackets are preferably formed of heavy-duty cadmium plated steel brackets for durability and safety and so as to match the decor of other bathroom fixtures.

In use, the brackets **44** are fastened to the free ends of the legs **34** by placing the body portions thereof against the legs **34** with the holes **42** and **54** in the legs and brackets in register and then inserting screws **56** therethrough and holding the brackets in place by wing nuts **58**. The brackets may be adjusted up and down along the legs to accommodate the body of the seat to the desired level or height. The legs **34** will extend along the inner surface of the bowl **10** with the flanges **46** of the brackets **44** seated on the lip or flange **16** of the bowl and with the flanges **48** engaging the outer surface of the lip or flange **16** of the bowl. The brackets may be mounted on the outer surface of the legs **34** with the flanges **48** on the outside of the lip or flange **16** of the bowl as shown in FIG. 1, or on the inside surface of the legs **34** bringing the flanges **48** on the inside of the lip or flange **16** as shown in FIG. 6. In either manner, the flanges **46** and **48** of the brackets and the bottom free ends of the legs **34** cooperate to steady the toilet seat on the bowl and prevent lateral tilting or displacement of the toilet seat. The rubber strips **50** and **52** on the brackets prevent marring of the toilet bowl.

The auxiliary toilet seat **30** is supported at a distance above the top of the toilet bowl sufficient to permit the convenient use of enema equipment and for other necessary services by an attendent for paralyzed or partly paralyzed patients.

The invention also contemplates providing means for preventing spillage around the bowl and seat and for this purpose, a strip of flexible plastic sheeting is encircled in annular formation underneath the oval body **32** of the toilet seat, extending from the body downwardly to the top of the bowl **10** forming a shield or deflector **60**. The strip is fastened in position by inserting the top screws **56** therethrough and setting up on the wing nuts **58**.

The auxiliary toilet seat **30** and shield **60** may be secured to the supporting brackets **44** by means of S-shaped hooks having one end extending through the aligned openings in the legs **34** and shield and having the other end hooked through the aligned openings in the legs and brackets.

While I have illustrated and described the preferred embodiment of my invention it is to be understood that I do not limit myself to the precise construction herein disclosed and that variorus changes and modifications may be made within the scope of the invention as defined in the appended claim.

Having thus described my invention, what I claim as

new, and desire to secure by United States Letters Patent is:

In an auxiliary seat assembly for a toilet bowl top, an oval seat having a rounded upper side and a flat lower side, four legs depending from said lower side and being substantially equidistantly spaced from each other around the seat, said legs each having a series of spaced holes centrally thereof, said legs having lower ends arranged to engage the edge of a toilet bowl top on one side thereof with the seat superimposed over the toilet bowl top and spaced above the toilet bowl top, brackets adjustably mounted on the legs, said brackets each having a series of spaced holes in register with the holes in the legs, screws extending through the registered holes for adjustably connecting the brackets to the legs, wing nuts on the screws for holding the brackets in adjusted position on the legs, said brackets having angular ends arranged to engage the edge of the toliet bowl top at the opposite side thereof,

said brackets having angular portions adapted to seat upon the upper side of the toilet bowl top so as to support the seat on and spaced above a toilet bowl top, and rubber strips covering the angular ends and angular portions of the brackets for preventing marring of the toilet bowl top, and an annular shield extending downwardly from the seat to the toilet bowl top, said shield being secured to the legs by screw and nut assemblies, the angular end of each bracket extending at a slight angle inwardly toward the lower end of the adjacent leg, and is provided with corrugated rubber lining for gripping the said toilet bowl and keeping the brackets thereon in non-skid position.

References Cited in the file of this patent

UNITED STATES PATENTS

2,583,718	Walls	Jan. 29, 1952
2,698,948	Levitt	Jan. 11, 1955
2,790,182	Malin	Apr. 30, 1957