

UNITED STATES PATENT OFFICE

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REPLACEMENT CASING FOR TOILET SEATS

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1 Claim. (Cl. 4—242)

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The present invention relates to a novel and improved ornamental toilet seat casing which completely encloses a toilet bowl seat as well as the cover for the seat.

Objects and advantages of the invention will be set forth in part hereinafter and in part will be obvious herefrom, or may be learned by practice with the invention, the same being realized and attained by means of the instrumentalities and combinations pointed out in the appended claim.

The invention consists in the novel parts, constructions, arrangements, combinations and improvements herein shown and described.

The accompanying drawings, referred to herein and constituting a part hereof, illustrate one embodiment of the invention, and together with the description, serve to explain the principles of the invention.

Of the drawings:

Figure 1 is a perspective view, with parts broken away, of a conventional toilet seat and cover with the casing of the present invention applied thereto; and

Figure 2 is a cross sectional view of the parts shown in Figure 1, showing in dot-dash lines the manner of applying the casing to the seat and cover.

The present invention has for its object the provision of a novel and improved, sanitary and ornamental casing for both the toilet seat and cover. Still another object is the provision of an improved casing of the kind referred to which may be applied to a conventional seat and cover without the use of any tools or adhesives, and is securely held in place. A further object is the provision of such a casing which may be more easily kept clean and sanitary than the replacement casing heretofore developed.

According to the present invention, there are provided two flat members formed to fit the shapes of the two portions or members of the toilet seat, one for the apertured toilet seat and another to fit the underside of the seat cover, while members are provided and are shaped to fit snugly over the upper surfaces of the seat and seat cover. Each of the upper casing members is formed with a downwardly extending and sharply angled reinforced portion which snaps over the flat under members securely holding the flat members in place and at the same time holding the upper members snugly against their cores which are the conventional seat and cover encased by the casing. The casings may be formed of any relatively rigid, stiff, durable and resilient

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sheet material, such as sheet "Vinylite," (vinyl-acetate-vinylchloride copolymer), polystyrene, cellulose acetate-butyrate or the like and may be colored or not as desired. Such plastics are very elastic and readily snap back to their original shape if they are slightly bent therefrom.

It will be understood that the foregoing general description and the following detailed description as well are exemplary and explanatory of the invention but are not restrictive thereof.

Referring now in detail to the present preferred and illustrative embodiment of the invention shown in the accompanying drawings, the invention is shown as applied to a conventional toilet seat comprising the apertured toilet seat 10 and the cover 12, hinged thereto, as at 14, the seat being provided with holes 16 into which the usual pivot pins (not shown) may be fitted. The seat 10 and cover 12 have flat under surfaces and, as usual, are provided with generally rounder upper surfaces.

The casing of the present invention as adapted to the seat portion comprises a flat member 20 formed of relatively rigid, springy plastic material such as polystyrene, "Vinylite," cellulose acetate-butyrate of a thickness from about 0.020" to 0.050" so that it may be durable and is not likely to warp out of shape. The member 20 is accurately cut or formed to conform to the size and shape of the under side of the seat 10. The upper casing member 22 for the seat 10 is formed of similar material and is often advantageously thicker than the flat member 20. The upper member is accurately molded or shaped to conform to the upper surface of the seat 10 and to fit snugly thereto around the generally convex, toroidal shape of the seat, while at the rear, the casing member 22 is shaped to fit over the enlarged rear portion of the seat. The edges 24 of the casing member 22 are turned inwardly towards each other so they overlap the edges of the seat and these edges are preferably thickened, for reinforcement, are sharply angled with respect to the rounded main portion of the member 22 providing flat surfaces 26 which will lie parallel to the under surface of the seat 10. The under side of the edges 24 is preferably rounded, not only for appearance, but also to eliminate hard to clean grooves and also to provide better drainage for any liquid which may be thereon.

The flat sheet 20 is first placed on the underside of the seat 10 and registered therewith, after which the upper member 22 is positioned over the seat and is engaged with the flat sheet 20 at the rear thereof. The upper sheet 22 is then

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pushed downwardly over the seat 10 and the reinforced edges 24 snap into position and firmly clamp the flat sheet 20 to the seat 10 at the same time that the upper sheet 22 is thereby held snugly against the seat member 10. Due to the stiff spring-like resiliency of the member 22, the edges 24 move towards each other into the full line position (Figure 2) from the dot-dash line position.

The casing members 30 and 32 for the cover member 12 are similarly formed, but of a different size and shape so as to be snugly fitting on the cover 12 and to be held in place similarly to the casing members for seat 10. These members 30 and 32 are formed of material similar to that of the members 20 and 22. As embodied, the lower member is a flat sheet 30, to fit the flat under-surface of the cover 12, while the upper member is formed with rounded edges, which have an in-turned reinforcing bead 24 to form a snap fit with the cover 12 after the flat bottom member 30 has been held in place and the upper member is pushed over the cover to locking position.

Thus, the assembly provides a complete, ornamental casing for the upper and lower sides of the seat cover, which is substantially waterproof, is easily cleaned and kept clean, and is reinforced at its edges so as to provide greater mechanical strength for the edges of the plastic members to prevent their being damaged and also insures a lasting snug fit between the casing components.

The invention in its broader aspects is not limited to the specific mechanisms shown and described but departures may be made therefrom within the scope of the accompanying claims without departing from the principles of the in-

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vention and without sacrificing its chief advantages.

What is claimed is:

A replacement casing for toilet seats and toilet seat covers, wherein the toilet seat or toilet seat cover forms a mounting core for said casing, said casing comprising a substantially flat bottom sheet of the same shape as the underside of said core and which is adapted to fit against the underside thereof, and further comprising a resilient cover sheet shaped to fit over said core, said cover sheet extending over the entire upper part of said core and extending downwardly over the edges of said core and terminating in a peripheral, inwardly extending thickened lower edge, which lower edge is adapted to snap over the outer peripheral edge of said bottom sheet, whereby both the cover sheet and bottom sheet are detachably secured to each other and to said core.

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