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TOILET SEAT COVER DISPENSER BRACKET

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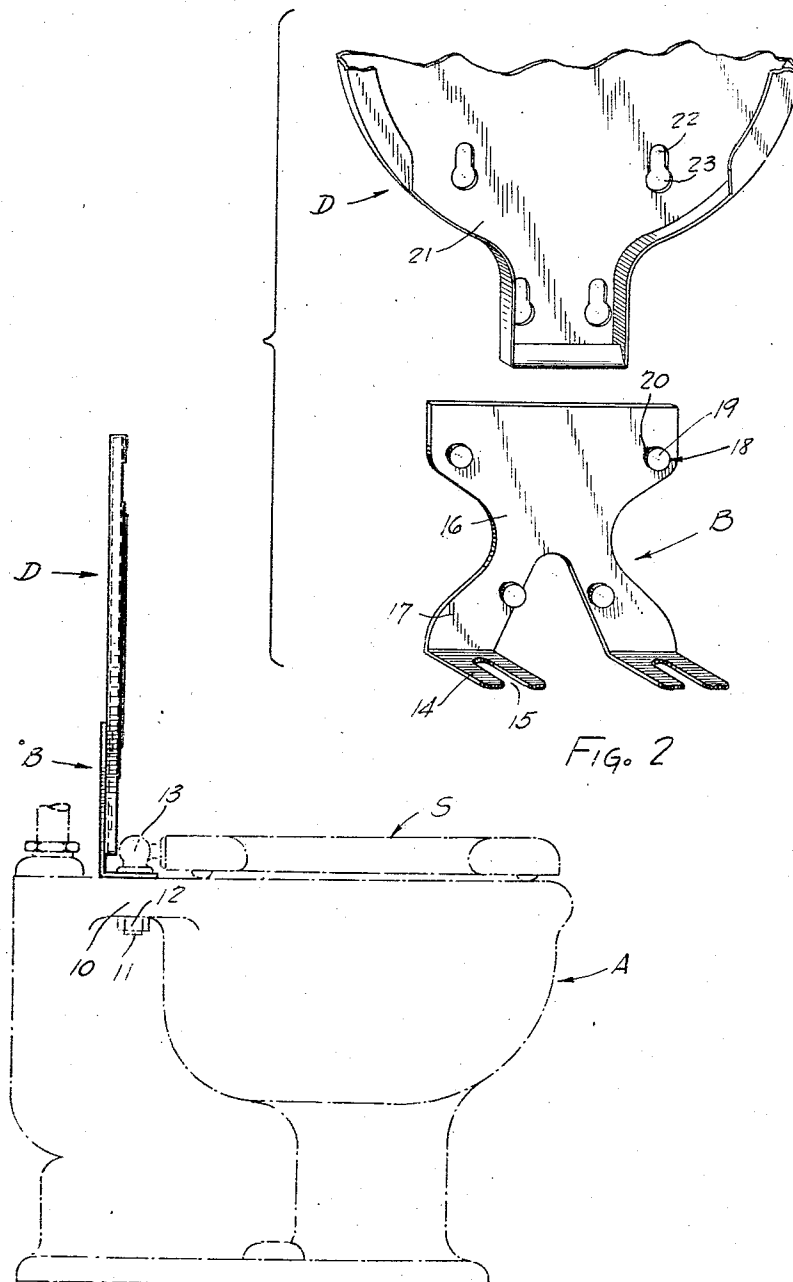


FIG. 1

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TOILET SEAT COVER DISPENSER
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1 Claim. (Cl. 4—242)

This invention has to do with mechanism employed for the purpose of dispensing sanitary covers for toilet seats and is concerned primarily with the structural arrangement for supporting the dispensing mechanism in operative position.

At the present time the construction of toilet bowl assemblies, including a hinged seat, is fairly well conventionalized in that the ordinary toilet bowl, particularly those installed in public lavatories, includes at the top of the rear portion a pair of spaced upstanding bolts or studs which constitute an anchorage for the hinged mounting of the seat.

A dispensing device of the type with which this invention is particularly concerned includes structure that is designed to be anchored to these spaced studs and assume an upright position. This upstanding structure constitutes a means for maintaining a supply of sanitary covers in position in which they may be individually dispensed to cover the toilet seat for sanitary purposes as occasion demands.

With the now known dispensing devices of the character above outlined the upstanding structure is more or less permanently secured in position, and when occasion arises that it becomes necessary for a repair man or plumber to obtain access to the piping and fixtures at the rear of the toilet bowl assembly, it is necessary to remove the dispensing device, which removal under the prevailing circumstances involves considerable amount of dismantling with its accompanying inconvenience and annoyance.

With the foregoing conditions in mind, this invention has in view as its foremost objective the provision of a bracket which is designed to constitute a means for detachably securing a dispensing device of the character above noted in the usual upright position at the rear of a toilet seat.

More in detail, a further object is to provide a bracket which is formed with means for more or less permanently securing the bracket to the spaced studs at the rear of a toilet seat, and which bracket is provided with additional means for detachably securing the upstanding structure of a dispensing device thereto.

In carrying out this objective in a practical embodiment, the bracket has the usual base which is formed with notches for receiving the spaced studs of the toilet bowl assembly. Upstanding from this base is the back plate of the bracket, which is provided with means that cooperate with complemental means on the up-

standing structure of the dispensing device to establish a detachable connection therewith.

The invention has particularly in mind a quickly detachable connection involving headed fastening elements that are carried either by the bracket or upstanding structure, while the other of these elements is formed with slots terminating in enlarged openings through which the headed fastening elements are adapted to pass. Thus, by passing the heads through the enlarged openings the necks of the fastening elements may be moved up into the slots to establish the connection.

A further specific object of the invention is the provision of a bracket as above described, which includes a back plate, one face of which is provided with the headed fastening elements.

Various other detailed objects and advantages such as arise in connection with carrying out the objective noted ideas in a practical embodiment will in part become apparent and in part be hereinafter stated as the description of the invention proceeds.

The invention, therefore, comprises a bracket designed to constitute a means for detachably securing the upstanding structure of a dispensing device in position at the rear of the seat of a toilet bowl assembly. The invention particularly involves a construction of this bracket which is formed with a base that is designed to be permanently secured to the spaced studs normally included as part of the toilet bowl assembly at the rear of the seat. Upstanding from the base is a back plate which carries a part of a detachable connection, and which detachable connection may take the form of headed fastening elements on one part and slots terminating in enlarged recesses on the other.

For a full and more complete understanding of the invention reference may be had to the following description and accompanying drawing, wherein

Figure 1 is a side view of a dispensing device which is mounted on a toilet bowl assembly in accordance with the precepts of this invention. In this view the toilet bowl assembly is illustrated in broken lines, and

Figure 2 is an enlarged detailed perspective view of the bracket together with a portion of the upstanding structure which is to be detachably secured thereto, the parts being shown in an exploded relationship.

Referring now to the drawing wherein like reference characters denote corresponding parts, and more particularly to Figure 1, a conventional

toilet bowl assembly of the type meeting with wide spread use in public lavatories and similar places is shown as including a toilet bowl A that usually has integrally formed therewith a flat supporting structure at the rear which is designated 10. Appropriately anchored to this supporting structural web 10 are a pair of spaced bolts or studs 11 which pass through the structural web 10 and which are threaded at each end. The lower extremities carry nuts 12 while cap nuts 13 are screwed on the upper extremities, and these cap nuts 13 usually carry a hinged mounting for a toilet seat designated S.

In accordance with this invention a bracket member which is referred to in its entirety by the reference character B is more or less permanently anchored to the upper face of the web 10 by the studs 11 and cap nuts 13.

The bracket may be made from any appropriate material, although the invention has particularly in mind sheet metal of a required rigidity.

Referring more particularly to Figure 2, the bracket B is shown as including a base structure which may take the form of spaced feet 14. Each of the feet 14 is provided with a recess 15 opening into a free edge thereof, and each of the recesses 15 is designed to snugly receive and fit about one of the studs 11. After being so positioned with respect to the studs 11, the cap nuts 13 may be screwed on the latter to securely anchor the bracket B in position. Upstanding from the base structure of the bracket B is a back plate 16 which may take the bifurcated formation shown in Fig. 2 providing legs 17 that are integrally connected with the feet 14.

Carried by the back plate 16 at appropriate points are a plurality of headed fastening elements designated 18. Each of the headed fastening elements 18 includes a head 19 that is connected to the back plate 16 by a reduced neck 20.

A dispensing device for sanitary covers is shown in Figure 1 and referred to in its entirety by the reference character D as illustrated. This dispensing device D assumes an upright position provided for by the proper mounting of the device on bracket B. Without going into a detailed description of the construction of one of the dispensing devices D, it is noted that it includes as an essential characteristic a main body plate 21 which also may be made from any appropriate material, but is preferably formed from sheet metal having required properties of strength and rigidity.

The plate 21 is of an oval formation that gradually diminishes in dimension towards the

lower extremity, as clearly brought out in Figure 2. The main body plate 21 is shown as formed with a plurality of slots 22, each of which terminates in an enlarged opening 23. The several openings 22 with the enlargements 23 are arranged in a manner corresponding to the disposition of the headed fastening elements 18 on the bracket B. Thus, when the device D is to be positioned, the heads 19 are passed through the enlarged openings 23 whereupon the plate 21 is moved downwardly causing the necks 20 to move up into the slots 22 and the weight of the device D maintains this relationship. Obviously when occasion arises for the removal of the device D the same may be lifted upwardly to cause the heads 19 to go into alignment with the openings 23 whereupon they may be passed therethrough to break the connection.

It is notable that the invention has been illustrated and described with the headed elements formed with the bracket B and the slots and enlarged openings maintained in the main body part 21, but it is obvious that this arrangement of parts might well be reversed.

It is also important to note that other types of detachable connections may be employed on the back plate B and still fall within the purview of the invention as defined in the appended claim.

We claim:

A dispensing device for sanitary toilet seat covers comprising, in combination, a main body plate, means carried by said main body plate for retaining a pad of sanitary seat covers assembled thereon, said main body plate being formed with a plurality of slots terminating in enlarged openings, a bracket, a base and an upstanding back plate included in said bracket, a plurality of headed fastening elements carried by said back plate, said headed fastening elements being arranged in a manner corresponding to the arrangement of the slots in the main body plate whereby said headed fastening elements are adapted to be passed horizontally through said enlarged openings to assume a position between the inner face of said main body plate and the inner face of said pad and be moved vertically into said slots to establish a quickly detachable connection, said base being arranged substantially normal to said back plate and carrying spaced recesses which are adapted to receive similarly spaced studs of a toilet bowl assembly to anchor the bracket thereto.

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