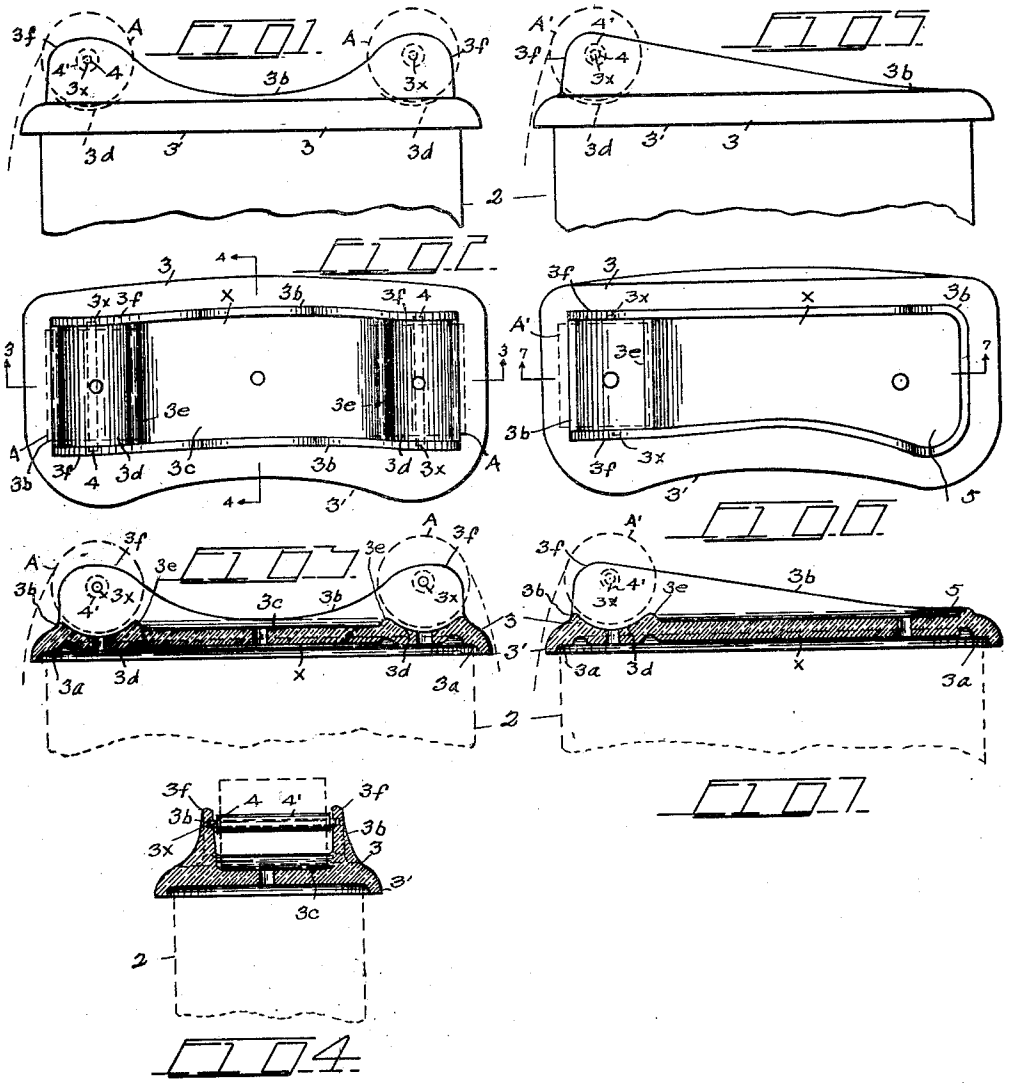
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COVER FOR FLUSH TANKS

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COVER FOR FLUSH TANKS

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This invention relates to improvements in flush tanks employed in connection with water closets, and the like, and has especial reference to the covers for such tanks.

The object of the invention is to provide a novel flush tank cover adapted to operatively support one or more toilet paper rolls. A further object is to provide a cover of this class having a body whose perimeter comprises a continuous drooping flange that overhangs the top end of the flush tank, and having its top side formed with a concentric medial depression that lies within a continuous ledge or rib, to accommodate and retain toilet articles and the like, the bottom of said depression being formed with openings by which water or cleansing fluids may be drained directly into the flush tank. The front and rear longitudinal portions of said rib adjacent the ends of the cover are raised in graceful lines to a greater height than the transverse end portions of said rib, in order to receive and operatively support the rolls of toilet paper, the facing sides of said longitudinal portions of the rib being formed with coinciding sockets to receive the ends of detachable cores or spindles upon which the rolls of toilet paper are usually mounted and freely rotate, and said sockets being so arranged as to dispose the rolls in a common plane and to loosely nest in independent concentric sockets which extend transversely across the ends of the medial depression. And a further object is to reinforce the horizontal wall to compensate for depressing and weakening the top side of the cover.

I attain these objects by the means set forth in the detailed description which follows and as illustrated by the accompanying drawings, in which—

Figure 1 is a broken front side elevation of a cover arranged to support two rolls of toilet paper, showing the cover mounted upon a flush tank. Fig. 2 is a top plan view of the same. Fig. 3 is a central vertical longitudinal section taken on line 3—3 of Fig. 2. Fig. 4 is a transverse vertical section taken on line 4—4 of Fig. 2. Fig. 5 is a broken front side elevation of a modified cover, arranged to support a single roll of toilet paper. Fig. 6 is a top plan view of the same. And Fig. 7 is a vertical longitudinal section taken on line 7—7 of Fig. 6.

In the drawings, 2 represents a vitreous flush tank whose normally open top is closed by a similar molded cover 3, which is formed with a continuous drooping valance or margin 3′ that overhangs the tank. The bottom face of the cover is formed adjacent said valance with a continuous narrow groove or socket 3*a*, to receive the top edge of the tank and enable the cover to be held in place by gravity, as best seen in Figs. 3 and 4. The contracted top side of the cover is formed with a continuous upwardly facing relatively thin flange or rib, as 3*b*, which defines a relatively large depression 3*c*, that lies between similar transversely disposed concave sockets or pockets, as 3*d*, that are separated from the depression 3*c* by transverse ribs as 3*e*. Opposite the ends of the sockets 3*d*, the longitudinal portions of the flange 3*b* rise, as at 3*f*, to a considerable height above the normal plane of the portions of said flange that lie between the concaves 3*d*, to facilitate mounting toilet paper rolls, as A, concentric to the said concaves, and the facing sides of the portions 3*f* are formed with coinciding circular sockets 3*x*, which receive gudgeons 4, that usually project beyond the ends of detachable cores, as 4′, such as commonly employed for mounting toilet paper rolls in the ordinary wall brackets. It is a particular object of the present invention to dispense with all such wall supports, and furthermore, to obviate the necessity of mounting upon or building in the walls of toilet rooms, the well-known cabinets which serve as storage places for toilet articles, manicuring sets and a host of miscellaneous articles commonly found in bath or toilet rooms, and to supplant the said older conveniences by the peculiarly novel arrangement of the flush tank covers, as herein shown. For this latter purpose, I provide the relatively large medial sunken area 3*c*, which lies within the continuous border comprising the ribs 3*b*—3*e*, in order to prevent the articles from skidding and accidentally escaping from the said area. Ordinarily,

the provision of the sunken areas 3*c*—3*d* would tend to greatly reduce the thickness and therefore weaken the more or less fragile horizontal wall *x* of the cover and render it liable to breakage even by ordinary handling. To overcome this tendency in the present structure, the wall *x* is shown formed concavo-convex by correspondingly bulging the depressed areas downwardly, and thereby preserving the usual thickness and strengh of the normal horizontal wall, as may be understood by consulting Fig. 4.

In the modification shown in Figs. 5, 6 and 7, provision is made for operatively supporting but one roll of toilet paper, as A′. This roll is preferably disposed at the left end of the cover, but may be disposed at either end if desired. In the modified views, the portions 3*f* of the rib 3*b* rise abruptly at only one end of the cover and then decline gradually towards the opposite end, and there is but one of the transverse sockets 3*d* to receive the roll A′. Beyond the socket 3*d* and separated therefrom by a transverse rib 3*e*, lies a relatively large irregularly shaped depression, as 5, which extends substantially to the farther end of the cover, and affords considerable space in which to dispose the toilet and other articles.

In all forms of the invention it will be observed that the roll of toilet paper is held adjacent an end of the cover so that the free end of the paper is engaged over the adjacent end of the cover and is held thereby spaced from the adjacent end wall of the flush tank, thereby facilitating gripping of such free end by the user.

Having thus described my invention, what I claim, is—

A cover for flush tanks having its upper surface formed with a concave portion extending transversely of the cover and disposed above the underface of the cover, a pair of flanges extending upwardly from the cover and disposed at the respective ends of the concave portion, and means to rotatively support a roll of toilet paper from the flanges and with the roll overlying the concave portion, said cover having an end projecting beyond the adjacent end wall of the tank and said concave portion being disposed adjacent said end of the cover so that the free end of the toilet paper will be held by the said end of the cover spaced from the adjacent end of the flush tank.

In testimony whereof I affix my signature.

BERT O. TILDEN.