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TOILET SEAT COVER

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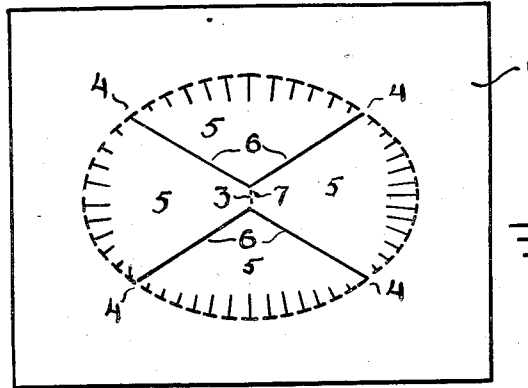


Fig. 1

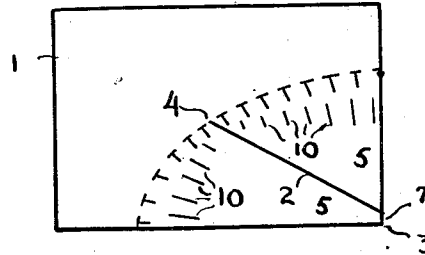


Fig. 2

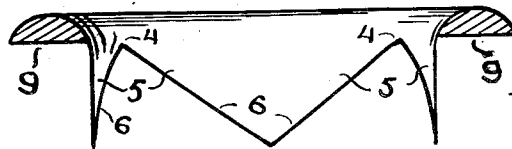


Fig. 3

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TOILET SEAT COVER

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3 Claims. (Cl. 4—243)

The present invention relates to toilet seat covers and more particularly to a sanitary paper cover which is designed to conform to the shape of the seat.

5 In the use of prior seat covers, a great many shortcomings were present which made their handling a nuisance. They refused to conform to the shape of the seat without a great deal of folding and stretching of the paper. Further-
10 more, when a user was obliged to tediously spend time in shaping the cover so that he could sit thereon in safety, he was very apt to tear and injure the paper. In prior devices, if an attempt
15 were made to provide a cover which naturally conformed to the contours of the seat, several difficulties were encountered. It was found that folding of the paper cover was impractical once the paper was cut. This was true since the cover
20 was made of a comparatively large sheet which, when severed, refused to be folded without great difficulty and expensive machinery. The paper tended to tear in its weakened condition. An-
25 other shortcoming was encountered because, if cuts were made so as to enable the cover to conform to the seat, the cuts were so large that part of the seat was exposed, or the folds were rendered so weak that they tore as soon as the user's weight came down onto the paper. On the other
30 hand, if the lines were not weakened adequately, there was a tendency for the corners to project or stick outwardly and for the paper cover to fit very clumsily over the seat. In other words, the cover was not provided with the proper amount
35 of "give" or "stretch" so that it could fit neatly and naturally in place. Likewise, if such a natural fit were attempted, the difficulty in folding the paper rendered commercial vending impracticable. Prior sanitary paper covers had many disadvantages which those skilled in the
40 art were attempting to remedy, but as far as I am aware, the art was not provided with a wholly practical, satisfactory and successful sanitary cover.

45 It is an object of the present invention to provide sanitary paper seat covers which may be prepared when in the folded state.

50 It is another object of the present invention to provide a paper seat shield which is so constructed that it may be conformed to the shape of the seat without troublesome folding and/or tearing.

55 It is a further object of the present invention to provide a paper cover for water closets which has weakened lines of such a nature that the

paper may stretch in two directions so that it may conform naturally to a curved contour.

It is also within the contemplation of the present invention to provide a paper seat cover which fully protects the user from personal exposure to the seat and which may be easily dispensed after use.

It is an additional object of the present invention to provide a sanitary seat cover which may be manufactured and prepared inexpensively so as to be available to the ultimate consumer at a low cost.

Other objects and advantages of the present invention will become apparent from the following description taken in conjunction with the accompanying drawing, in which:—

Fig. 1 is a top plan view of an embodiment of the present invention when laid out flat;

Fig. 2 is a plan view of the folded seat cover showing the manner in which it is preferably cut and weakened;

Fig. 3 illustrates a sectional view of a seat having one of my paper sanitary covers placed thereon ready for use.

Referring more particularly to the drawing, 25 reference character 1 designates a flat sheet of paper, preferably tissue or crepe which may readily be discarded and dispensed after use. Sheet 1 may be either of an elliptical, square or rectangular shape. This sheet is then folded in
30 quarters along the rectangular axes. The resulting pack is illustrated in Fig. 2. For the purpose of preparing the cover, the line 2 is cut from a point slightly above the center corner 3 of the sheet to a point 4 on the periphery of a quadrant
35 of an ellipse drawn around the center 3. It will be noticed that this cut severs the four curtains 5 of the sheet 1 and results in cuts depicted by the lines 6 of Fig. 1. A small strip 7 may preferably be left at the center of the sheet for the
40 purpose of holding the same together more securely. When the sheet is to be used, of course, this small strip 7 is severed by the user.

45 For the purpose of weakening the lines around the quadrant so that the curtains will fall naturally in place over the seat 9 without additional folding by the user, perforations or score lines are made in two directions. Without such score lines in two directions, the curtains tend to set back or bend down from an imaginary straight line connecting the points 4. However, if the paper is
50 permitted to hang down along this straight line, it will be noted that the cover refuses to take on the shape of the seat, nor does it hang down naturally. With my two directioned perforations,
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the lines are given a potential stretch in such a manner that the curtains will hang down and fold along the periphery of the seat. In this manner I achieve an excellent form fitting cover.

5 Once the cover has been given a potential stretch, permitting the cover to fall into place, it will be observed that stress concentration points are reduced, if not eliminated, so that the sheet will not tend to tear so easily when a user's weight is placed on the sheet.

10 To effect my two dimensioned perforations, I preferably weaken the lines in a plurality of T-shaped indentations or the like. The feet of the T's extend toward the center of the sheet for the required distance. In addition, I may provide the perforations or indentations 10 in the form of radial slots, punches, or the like, which enables the curtain to stretch along the imaginary line connecting the points 4. In this manner, 20 the curtains do not project horizontally over the seat opening, nor are they so weakened that the lines of stress concentrate at certain corners e. g. points 4, at which points they are apt to tear.

25 As another manner of effecting two dimensioned weakening of lines, I may provide two or more cuts 2 to the folded pack as shown in Fig. 2. These radial cuts produce additional curtains and enable the imaginary line connecting points 4 30 to be set back closer to the periphery of the seat, thus reducing the number of required perforations or indentations for dishing the curtains.

With these indentations and/or perforations, it will be observed that my curtains tend to dish 35 and take on a concave shape. Once the sheet has been set over the seat, the curtains fall into place in close neat fit with the inner periphery of the seat. In this manner the curtains anchor the sheet so that the tendency is for the sheet to 40 assume the correct position and remain there.

While the present invention has been illustrated and described in connection with specific embodiments, it is to be observed that modifications and variations may be incorporated without departing from the spirit or scope of the invention as defined in the appended claims. 5

I claim:—

1. A toilet seat cover adapted to fit smoothly over a toilet seat which comprises a sheet of paper having a plurality of radial cuts through 10 the central portion of the sheet forming curtains, and having a plurality of T-shaped perforations arranged in an ellipse around said cuts permitting the said curtains to be dished whereby the curtains may conform to the shape of the 15 seat.

2. A toilet seat cover adapted to fit smoothly over a toilet seat which comprises a sheet of paper having a plurality of radial cuts through 20 the central portion of the sheet forming curtains, a plurality of perforations arranged in an ellipse around said cuts, said curtains having a plurality of indentations to dish the same whereby they may conform to the shape of the seat.

3. A toilet seat cover adapted to fit smoothly 25 over a toilet seat which comprises a sheet of paper capable of being folded into quarters, said folded sheet having a plurality of perforations arranged in the form of a quadrant of an ellipse drawn around the corner formed at the center of 30 the folded sheet, and having a cut penetrating the four quarters beginning at a point near to the said corner and extending to a point on the periphery of said quadrant forming curtains, said 35 perforations extending inwardly toward the center to dish the curtains whereby the sheet when laid out may conform to the shape of the seat.

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