H. H. SOMMER.

SANITARY PAD FOR WATER CLOSET SEATS.

APPLICATION FILED FEB. 26, 1921.

1,437,455. Patented Dec. 5, 1922.

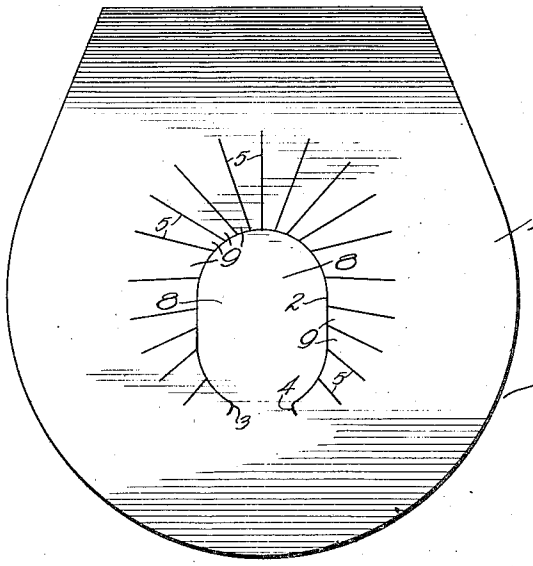


FIG. 1.

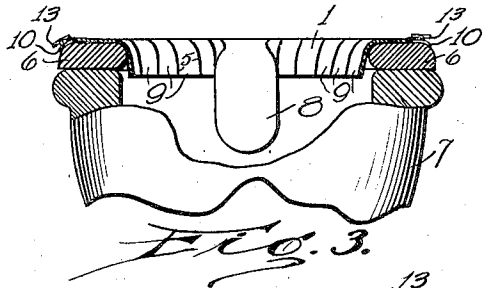


FIG. 3.

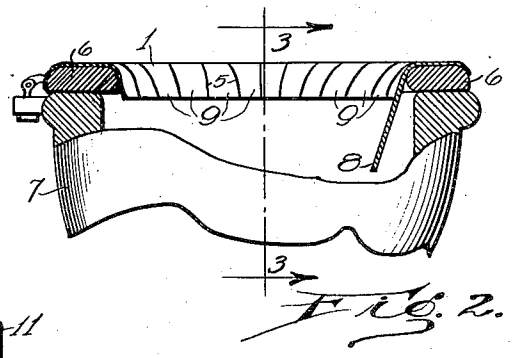


FIG. 2.

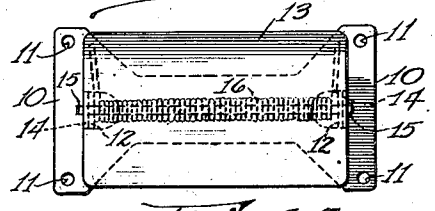


FIG. 4.

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Patented Dec. 5, 1922. 1,437,455

UNITED STATES PATENT OFFICE.

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SANITARY PAD FOR WATER-CLOSET SEATS.

Application filed February 26, 1921. Serial No. 448,078.

To all whom it may concern:

Be it known that I, HUGO H. SOMMER, a citizen of the United States, and a resident of Madison, in the county of Dane and State of Wisconsin, have invented a new and useful Improvement in Sanitary Pads for Water-Closet Seats, of which the following is a full, clear, and exact description.

My invention relates to improvements in sanitary pads for water closet seats and it consists in the combinations, constructions and arrangements herein described and claimed.

An object of my invention is to provide a pad that is adapted for adjustment to a water closet seat to conformably cover the same to prevent contact of any portion of the seat with a user.

A further object of my invention is to provide a device of the type described that can be folded to fit within and be ejected from the vending device described and illustrated in my concurrent application for Letters Patent on device for vending toilet seat pads.

A further object of my invention is to provide a device of the type described that is made of a relatively inexpensive material, such as tissue paper, so that each pad can be readily disposed of when used.

A further object of my invention is to provide a water closet seat pad, such as described above, and a suitable means adapted to engage with a toilet seat to removably clamp the pad in adjusted position on the seat.

Other objects and advantages will appear in the following specification, and the novel features of the invention will be particularly pointed out in the appended claims.

My invention is illustrated in the accompanying drawings, forming part of this application, in which—

Figure 1 is a plan view of the pad,

Figure 2 is a sectional view through a water closet bowl, showing the use and application of the device.

Figure 3 is a section along the line 3—3 of Figure 2, and

Figure 4 is an enlarged plan view of a portion of the device.

In carrying out my invention, I provide a flat sheet 1, of suitable material, such as a soft paper. This sheet conforms substantially in outline with a water closet seat and is provided with a substantially U-shaped slit 2 therethrough concentric with the outer edge of the sheet 1. The ends of the slit 2 are radially directed at 3 and 4 respectively. A plurality of slits 5 extend radially from the slit 2 and terminate a spaced distance from the outer edge of the sheet 1.

From the foregoing description of the various parts of the device, the operation thereof may be readily understood. The sheet 1 is placed in position on a water closet seat 6 and a central flap 8 that is outlined by the slit 2 is then bent downwardly at 3 and 4 to depend within the bowl 7 at the forward end of the seat. Tapering flaps that are defined by the slits 5 are bent downwardly over the inner edge of the seat 6 and will depend within the bowl 7, the adjacent edges of the flaps overlapping. The portions of the sheet 1 extending from the outer ends of the slits 5 to the outer edge of the sheet 1 will conformably fit the upper surface of the seat 6, as clearly shown in the drawing.

It will thus be seen that no portion of the body of the user can contact with the seat 6 or with the bowl 7. I prefer to make the pad of a soft absorbent paper, such as tissue paper, that can be compressed into small compass and readily disposed of after having been used.

In order to securely maintain the pad in adjusted position, I provide means adapted to be permanently secured to the seat 6. Such means comprise a base plate 10 that is fastened to the upper side of the seat 6 at its outer edge in any suitable manner, as by means of screws 11. The base plate 10 is formed with spaced apart upstanding lugs 12. A clamping plate 13 is formed with depending lugs 14 that are positioned at opposite ends thereof intermediate the width of the plate and in position to engage with the lugs 12 when the clamping plate 13 is placed upon the base plate 10, as clearly shown in Figure 4. A pin 15 is projected through the lugs 12 and 14 and a spring 16 is disposed on the pin between the lugs 14, thereby tending to maintain the latter in frictional contact with the lugs 12. The spring 16 has its ends extending laterally of the pin 15 to press upwardly against the under surface of a side portion of the clamping plate 13 and thus force the opposite side portion of the clamping plate downwardly.

Referring to Figure 3, it will be noted that I prefer to provide two of the means just

described for clamping the pad to the seat and that I dispose the same in diametrically opposed positions. The tension of the spring 16 forces the inner portion of the clamping plate 13 downwardly and the portion of the sheet 1 arranged between the clamping plate 13 and the seat 6 is therefore clamped to the latter. When it is desired to remove the pad from its adjusted position, the clamping plate 13 is rocked by pressing downwardly on the outer portion thereof.

The pad can be folded to fit within a vending device and is designed for use with my improved vending device that has been made the subject of my concurrent application for Letters Patent. In preparing the pad for use in the vending machines, the side portions thereof are folded forwardly upon the body thereof along parallel lines tangent with the ends of the slits 5. The forward end portion of the pad is then folded backwardly along a line intersecting the flap 8 at its approximate middle point and the rearward end of the pad is folded backwardly along a line midway between the outer end of the adjacent slits 5 and the rear edge of the sheet 1. The end portions of the flaps 9 are thus protected.

I claim:

1. The combination with a water closet seat, of a pad of soft absorbent material adapted to conform in outline and to cover the upper surface of said seat, and a plurality of spring actuated clasps disposed on said seat, said clasps having jaws adapted to open and receive an edge of said pad at will for removably holding said pad in adjusted position.

2. The combination with a water closet seat, of a pair of spring clasps secured to opposite sides of said seat, said clasps comprising a pair of jaws, a spring for holding said jaws in close engagement with one another, and a lever portion associated with one of said jaws and adapted to open said jaws when pressure is brought to bear thereon, and a pad of soft absorbent material fashioned to cover the upper surface of said seat and adapted to be removably secured in adjusted position on said seat by means of said clasps.

HUGO HENRY SOMMER