L. A. JIRANEK

SANITARY SEAT COVER APPARATUS.

APPLICATION FILED AUG. 28, 1915.

1,224,646.

Patented May 1, 1917.

2 SHEETS—SHEET 1.

Fig. 1.

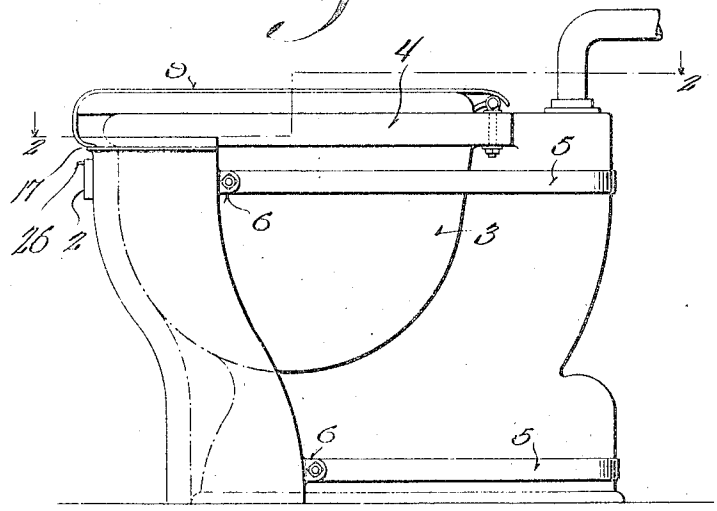


Fig. 2.

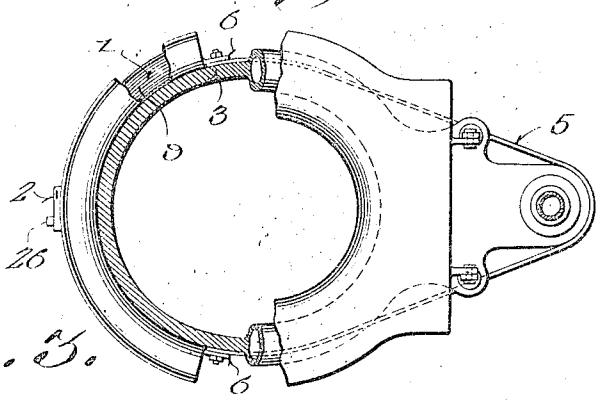
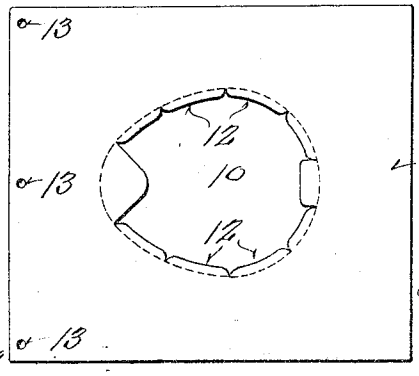


Fig. 3.



Witnesses:

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2 SHEETS—SHEET 2.

Fig. 5.

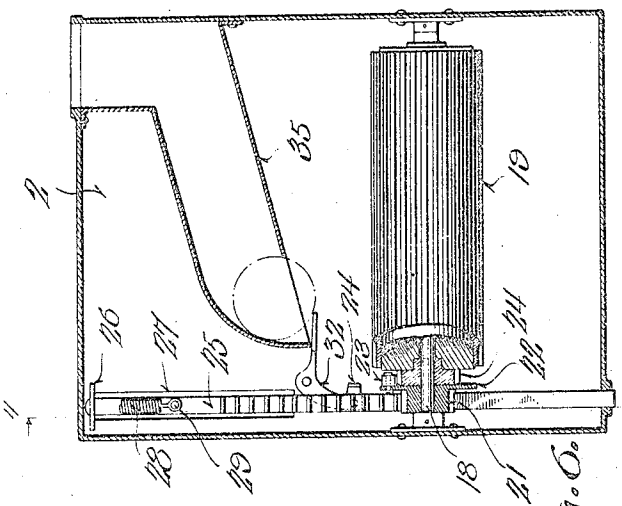


Fig. 6.

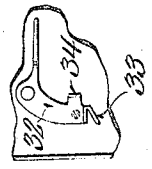
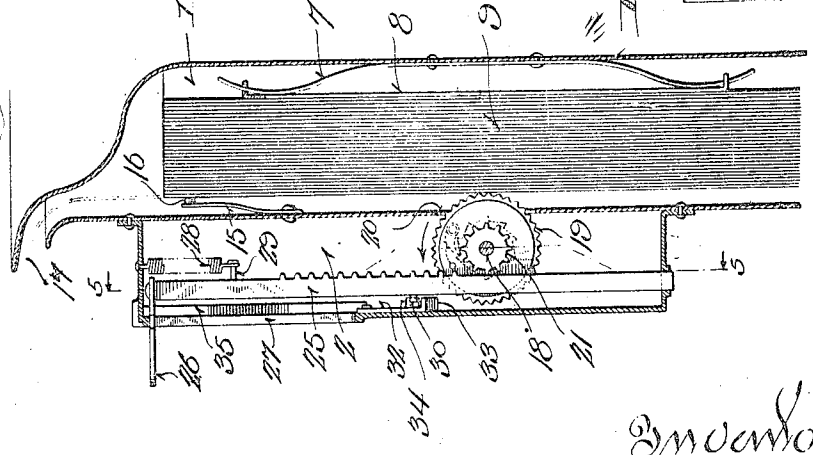


Fig. 4.



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SANITARY SEAT-COVER APPARATUS.

1,224,646. Specification of Letters Patent. Patented May 1, 1917.

Application filed August 28, 1915. Serial No. 47,849.

To all whom it may concern:

Be it known that I, LOUIS A. JIRANEK, a citizen of the United States, and resident of Birnamwood, in the county of Shawano and State of Wisconsin, have invented certain new and useful Improvements in Sanitary Seat-Cover Apparatus; and I do hereby declare that the following is a full, clear, and exact description thereof.

This invention relates to the subject of sanitary coin-actuated dispensing cabinets, and the primary aim of the same is to provide a cabinet of the type mentioned that may be attached to the bowl of a water closet and dispense sanitary covers for the water closet seat.

The invention contemplates in its general organization a cabinet that is shaped to conform to the general contour of the front of a water closet bowl so that the cabinet will interlock therewith, means being provided for detachably connecting the cabinet to the bowl. In addition to the foregoing, the invention contemplates the production of novel means for dispensing seat covers and coin releasing means for releasing the dispensing means, as well as simple means for holding the covers in position to be removed from the cabinet after the dispensing mechanism has been released by the insertion of a coin.

One simple and thoroughly practical embodiment of the invention is shown in the accompanying drawings, wherein—

Figure 1 is a view in side elevation of a water closet the bowl of which has the improved cabinet attached thereto.

Fig. 2 is a transverse sectional view taken on the line 2—2, Fig. 1.

Fig. 3 is a plan view of one of the seat covers dispensed by the cabinet.

Fig. 4 is a vertical sectional view taken on the line 4—4, Fig. 5.

Fig. 5 is a sectional view taken on the line 5—5, Fig. 4.

Fig. 6 is a detail view of the tripping pawl.

The improved dispensing cabinet comprises a paper compartment 1 and a dispensing mechanism compartment 2. The rear wall of the paper compartment is shaped to conform to the contour of the front of a water closet bowl 3, so that the cabinet may be interlocked with said bowl below the seat 4 and fastened in such position by means of the strap 5 that embraces the bowl and has its ends detachably fastened to the outer ends of lugs 6 projecting from the side walls of the paper compartment, as is shown more clearly in Figs. 1 and 2 of the drawings.

The rear wall of the paper compartment is equipped with a leaf spring 7 the ends of which carry a clamping bar 8 that is held in clamping relation with the stack of seat covers 9. The seat covers 9 are preferably of the form shown in Fig. 3 of the drawings, they being provided with a central opening 10 that conforms to the contour of the opening of the closet seat, the edges of the opening 10 being provided with foldable portions 12 adapted to be engaged with the edges of said closet seat. Adjacent their lower ends, the covers 9 are provided with openings 13. Springs 15 are carried by the front wall of the paper compartment and have pins 16 at their free ends for engaging the opening 13 of the covers 9 to hold the covers partly projecting through the upper discharge outlet 17 of the paper compartment. The discharge outlet 17 is formed by bending outwardly the upper edge of the rear wall of the compartment and curving the same, and similarly curving the upper end of the outer or front wall of the compartment, thereby producing an elongated discharge outlet that is disposed below the rim of the closet seat.

A shaft 18 extends across the compartment 2 and has a corrugated roller 19 fast thereon, the roller being preferably of rubber. The roller 19 projects through a slot 20 formed in the front wall of the compartment 1 and frictionally engages the outer sheet of the stack of covers 9 in said compartment. Shaft 18 also has a pinion 21 mounted thereon carrying a plate 22, the plate 22 having a pawl 23 pivoted thereto that engages a ratchet wheel 24 mounted on the shaft 18 to prevent reverse movement of said shaft.

A rack bar 25 is vertically slidable through the compartment 2 and engages the pinion 21 to rotate the shaft. The rack bar has a laterally projecting handle 26 that projects through a guide slot 27 formed in the outer wall of the compartment 2. A spring 28 connects a lug 29 projecting from rack bar 25 with the top of the compartment 1, said spring opposing downward movement of said bar. The rack bar 25 is provided with a laterally projecting lug 30 that is engaged

by the lower end of a tripping pawl 32 to normally lock the bar 25 against movement. The pawl has a laterally projecting flange 33 at its lower end, and a similar flange 34 to one side of the flange 33, the flanges being so disposed that they normally project below and to one side, respectively, of the lug 30 and thereby prevent movement of the bar until the pawl is tripped to swing away from the lug. The pawl 32 is pivotally mounted within the compartment 2 and has a tripping lever portion projecting beneath the outlet of a coin chute 35 that extends from the top of the compartment 2.

From the foregoing description it will be understood that by dropping a coin into the chute 35, the coin will roll down to the outlet of the chute and engage and depress the tripping end of pawl 32 to cause the pawl to release the rack bar 25. After having been released, the rack bar 25 is depressed and through pinion 21, dispensing roller 19 is rotated to cause a seat cover to be discharged through the outlet 17. When the cover 9 has reached the position shown in Fig. 4 of the drawings the spring-pressed lugs 16 will engage the openings 13 of the cover and hold the same in position to be withdrawn by the user.

A distinctive feature of this invention resides in the fact that the cabinet is of such a shape that it can be carried by and interlocked with the front portion of the bowl 3 and disposed in a position where it is always accessible, yet does not interfere with the use of the closet.

I claim as my invention:—

A dispensing apparatus for water-closet seat covers adapted for association with a substantially hemispherical water-closet bowl and a support therefor offset inwardly from the front and sides of the bowl and including a throat portion at the rear of the bowl, said apparatus including a casing horizontally curved to conform to the curvature of the mouth portion of the bowl and having its lower portion inwardly offset in an ogee curve to conform to and fit against the front and side portions of the bowl and the support, upper and lower straps secured to the sides of the casing and passed about said bowl and throat portion and about said support and throat portion respectively, the casing being adapted to receive a pad of covers, and means for procuring ejecting movements of the covers from the casing.

In testimony that I claim the foregoing I have hereunto set my hand at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

LOUIS A. JIRANEK.

Witnesses:
GEO. W. YOUNG,
M. E. DOWNEY.