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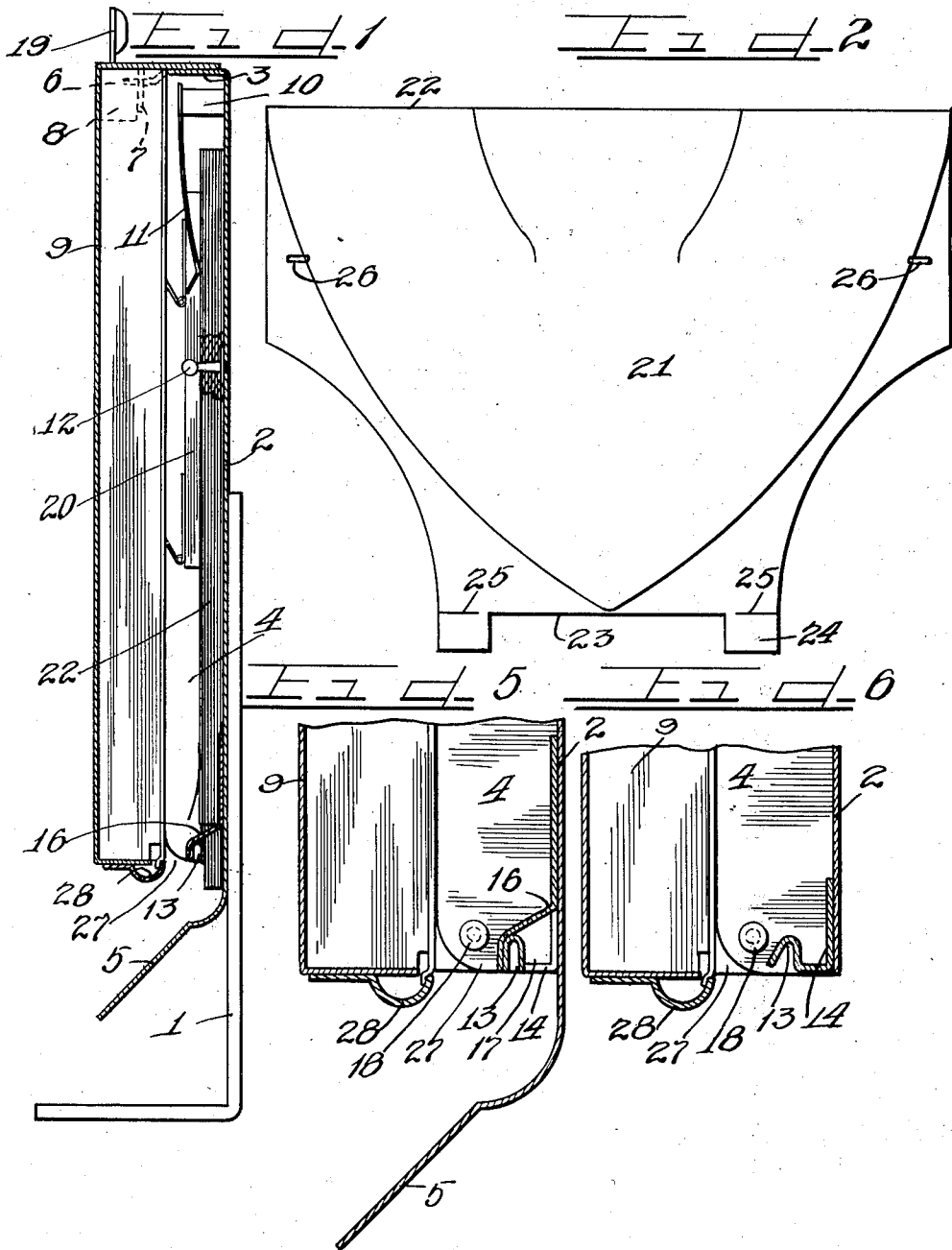
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TOILET SEAT GUARD PAD

Filed Jan. 20, 1933

2 Sheets-Sheet 1



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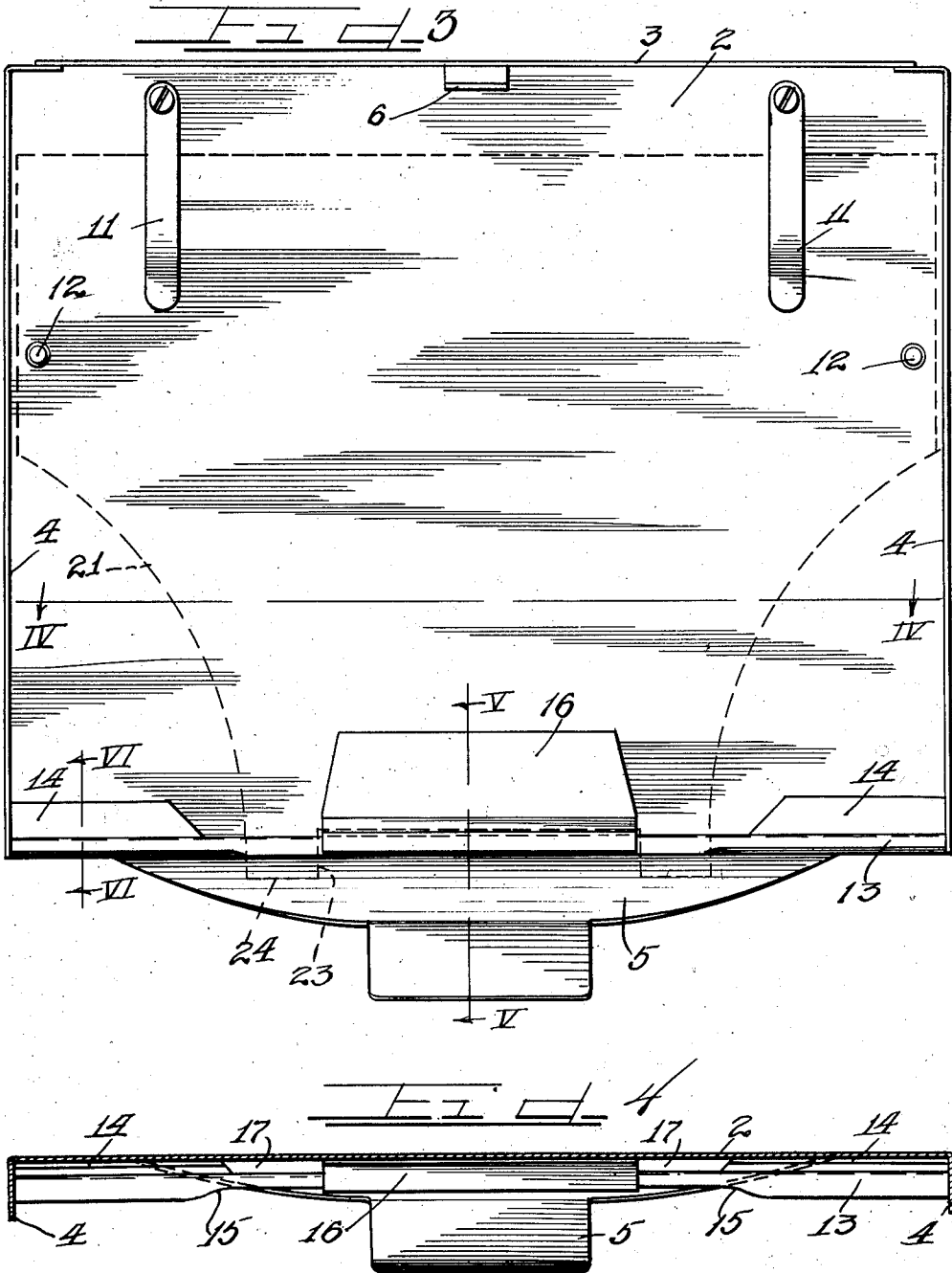
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1,982,922

TOILET SEAT GUARD PAD

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Application January 20, 1933, Serial No. 652,756

2 Claims. (Cl. 206—57)

The present invention relates to an improved toilet seat guard pad and its adaptation for use in an improved toilet seat guard dispenser having a magazine constructed for the reception of the improved pad and permitting the toilet seat guards to be dispensed one at a time from the dispenser without danger of clogging up of the device.

It is an object of this invention to provide a toilet seat guard dispenser with a magazine adapted for the reception only of a toilet seat guard pad of a particular design and construction.

It is also an object of this invention to provide a toilet seat guard dispenser with a magazine having means forming a part thereof to promote the dispensing of toilet seat guards one at a time from the magazine without danger of the guards doubling up and clogging the magazine when the dispenser is operated.

It is a further object of this invention to provide a toilet seat guard pad having the bound margin thereof cut away to afford a central notch and supporting legs to permit the pad to be supported in a dispenser magazine without the formation of an obstructing stub pad in the central path of discharge of toilet seat guards from the magazine.

Another object of the invention is to provide an improved toilet seat guard pad for mounting in a dispenser magazine, said pad having the bound margin thereof notched or cut away to interfit with the dispenser magazine with the side margins of the pad having slots therein to permit engagement of the pad upon supporting pins or posts mounted in the dispenser magazine.

It is furthermore an object of this invention to provide an improved toilet seat guard dispenser including a toilet seat guard holding magazine having the discharge end thereof provided with suitable guides and openings for receiving the bound legs of a notched pad allowing the toilet seat guards forming the pads to be dispensed one at a time without leaving a pad of stubs in the path of discharge of the magazine.

It is an important object of this invention to provide an improved type of toilet seat guard dispenser having the guard holding magazine constructed for the reception only of toilet seat guard pads specifically designed to interfit with the magazine behind resilient retaining members, with the slotted side margins of the pad engaged on collar button posts or pins whereby the toilet seat guards may be discharged from the dispenser one at a time over suitable guides

positioned in the path of discharge of the guards without hindrance by the separated stud pad resulting from the severing of the attached margins of the toilet seat guards as the individual guards are discharged from the dispenser and are torn from the supporting end of the pad within the dispenser magazine.

Other and further important objects of this invention will be apparent from the disclosures in the specification and the accompanying drawings.

The invention (in a preferred form) is illustrated in the drawings and hereinafter more fully described.

On the drawings:

Figure 1 is a central vertical section taken through a toilet seat guard dispenser having an improved toilet seat guard magazine and an improved toilet seat guard pad embodying the principles of this invention with the pad shown in elevation and partly broken away to show the position of one of the supporting posts.

Figure 2 is a front elevational view of the improved toilet seat guard pad embodying the principles of this invention removed from the dispenser magazine.

Figure 3 illustrates an enlarged front elevational view of the dispenser magazine showing the position of the toilet seat guard pad in dotted lines.

Figure 4 is a horizontal section of the dispenser magazine taken on line IV—IV of Figure 3.

Figure 5 is a fragmentary vertical detail section taken on line V—V of Figure 3 showing a part of the dispenser housing in its associated relation with the magazine.

Figure 6 is a fragmentary vertical detail section taken on line VI—VI of Figure 3.

As shown on the drawings:

The toilet seat guard dispenser is of the coin controlled type having dispensing mechanisms corresponding with those illustrated and described in applicant's copending application for patent for a "Toilet seat guard dispenser" filed July 15th, 1932, U. S. Serial No. 622,685. In the present instance however the dispenser magazine is of an improved construction adapted for the reception of the specifically designed toilet seat guard pads embodying important principles of this invention.

As illustrated in Figure 1 the reference numeral 1 designates a pair of supporting legs or brackets the lower ends of which are bent at an angle and are provided with a plurality of apertures to permit the hinge posts of a toilet bowl to be projected through the openings for the purpose

of rigidly holding the dispenser in position supported on the upper rear portion of a toilet bowl. The upper ends of the brackets 1 are rigidly secured on the rear of the back plate 2 forming a part of the dispenser toilet seat guard holding magazine. The upper margin of the magazine back plate 2 is bent forwardly to form a top flange 3 the ends of which are rigidly secured to the bent over upper ends of side flanges 4 integrally connected with the side edges of the magazine back plate. Integrally formed on the lower end of the magazine back plate 2 is a forwardly and downwardly inclined guide apron or guard deflector 5 which is so positioned that as the advance ends of toilet seat guards are discharged from the dispenser magazine said ends are deflected forwardly into a convenient position to permit the operator of the dispenser to engage the advance end of the guard to permit the guard to be pulled out of the magazine into a position to cover a toilet seat. Secured on the inner surface of the middle portion of the top flange 3 is a forwardly projecting apertured or slotted blade or plate 6 positioned to receive a latching blade or finger 7 forming a part of a key operated lock 8 mounted in the upper central portion of a dispenser housing 9.

Mounted on the inner surface of the magazine back plate 2 near the upper margin thereof is a pair of spaced posts 10. Secured on the outer ends of the posts 10 by means of screws or other suitable means are the upper ends of a pair of resilient retaining blades or strap springs 11 which project downwardly in the magazine as clearly illustrated in Figures 1 and 3.

Also mounted on the inner face of the magazine back plate 2 adjacent the side margins thereof is a pair of collar button posts or studs 12 having ball or knob ends.

Extending across the bottom of the dispenser magazine between the side flanges 4 is a rounded bead strip 13 having mounting brackets 14 integrally formed near both ends thereof leaving a central space behind the middle portion of the guide bead 13. The brackets 14 have flanged portions thereof rigidly secured to the inner face of the lower margin of the magazine back plate 2 for holding the guide bead 13 extending across the bottom of the magazine from one side to the other between the front and rear of the magazine. As clearly illustrated in Figure 4 the front of the bead 13 has the middle portion thereof deflected inwardly at 15 to form a guard outlet groove or recess to facilitate the discharge of toilet seat guards from the magazine as hereinafter more fully described. Rigidly secured to the middle portion of the lower margin of the inner face of the magazine back wall 2 as clearly illustrated in Figures 3 and 4 is the upper margin of a guard guide chute or deflector 16. The guide chute 16 is deflected outwardly and downwardly as clearly illustrated in Figure 5 and has the lower downwardly directed flange or margin thereof positioned against the front surface of the middle portion of the guide bead 13. With the guide apron 16 secured to the back plate 2 and projecting over and secured to the middle front portion of the guide bead 13 a pocket or opening 17 is provided on each side of the guide chute 16 back of the middle portion of the bead 13 and between the mounting brackets 14 as clearly illustrated in Figure 4.

The dispenser housing 9 has the lower end thereof pivotally connected at 18 to the lower ends of the side flanges 4 of the magazine and

when in closed position as illustrated in Figure 1 engages over the sides and top flanges of the magazine to close the open front of the magazine.

The toilet guard dispensing mechanisms are enclosed within the housing 9 and are adapted to be operated by means of a control lever or finger piece 19 when a coin is deposited in the housing. The toilet seat guard dispensing mechanisms include dispensing shoes or feed pads 20 which when the machine is operated are projected rearwardly out of the rear of the housing 9 and into the guard magazine into frictional contact with the front surface of the outermost or top folded toilet seat guard 21 of a pad of toilet seat guards represented as a whole by the reference numeral 22. The pad 22 comprises a plurality of toilet seat guards which are folded transversely as illustrated in Figure 2 and are shaped complementally to the shape of a toilet seat for which the guard is to serve as a cover when discharged from the dispenser. The folded toilet seat guards are disposed one upon the other to form the pad and have the straight rear margins thereof riveted, stitched or otherwise secured one to another to form a binding. The binding of the pad is centrally cut away or notched to provide a central opening or notch 23 leaving a pair of spaced extensions or legs 24 which when the pad is inserted in the magazine are adapted to project downwardly into the openings 17 allowing the notched out portions 23 of the binding to seat over the outwardly deflected portion of the guide chute or shield 16. The pad of toilet seat guards is perforated or partially cut along the lines 25 (Figure 2) to permit the individual guards as they are dispensed from the machine to be torn off along the perforated lines 25 leaving only small stub pads on opposite sides of the guide chute or shield 16 out of the central path of discharge of the guards. With the elimination of the major middle portion of the binding of the pad there is no obstruction disposed in the path of discharge as is ordinarily encountered and caused by the rough surface of the stub pad of toilet seat guards bound together to form a continuous straight binding used heretofore.

As clearly illustrated in Figure 2 the pad of toilet seat covers or guards is provided with a transversely directed slot 26 near each side of the pad to permit the side margins of the pad when in the magazine to be engaged over the collar button posts 12 as clearly illustrated in Figures 1 and 3. The openings in the guards are in the form of slots to permit the guards to be engaged over the rounded heads or knobs of the posts 12 and to also permit the guards to be removed from the posts without causing radial tearing of the guards around the apertures thereof. With the pad legs 24 engaged through the openings 17 and with the slotted side margins of the pad engaged over the supporting posts 12 the pivotally mounted retaining strap springs 11 are swung downwardly into the full line position of said Figure 3 to permit the lower ends of the springs to resiliently seat against the front of the upper portion of the pad of toilet seat guards.

Attention is called to the fact that the magazine is designed and constructed for the reception of specifically designed pads of toilet seat guards with each of the pads having the binding thereof notched or cut away at 23 to fit over the guide chute or shield 16 with the legs 24 of the pad projecting into the openings 17. The provision of the collar button posts 12 within the magazine requires the pad to be slotted or apertured to

permit the pad to fit in position. It will also be noted that the provision of the resilient fingers or springs 11 serves not only for the purpose of retaining the upper portion of the pad in place but also acts as a means for insuring dispensing of the toilet seat guards one at a time from the dispenser.

When the dispenser housing is in closed position as illustrated in Figure 1 a discharge slot or opening 27 is provided in the bottom of the magazine in front of the guide bead 13 and behind the lower portion of the housing 9. The bottom of the housing 9 is provided with a rounded guide bead or moulding 28 to assist in the smooth dispensing or discharge of the toilet seat guards from the dispenser.

With the pad of guards disposed in position within the magazine the toilet seat guards are adapted to be dispensed one at a time each time a coin is deposited in the dispenser housing 9 to permit operation of the dispensing mechanism by means of the operating lever 19. When a coin is deposited and the operating lever is actuated the dispensing pads or shoes 20 are projected rearwardly out of the housing 9 to project into frictional engagement with the outermost folded toilet seat guard in the magazine. After the shoes contact a section of the outermost guard the shoes are moved downwardly from the full line position illustrated in Figure 1 thereby causing the pointed or advanced end of the outermost toilet seat guard to be fed downwardly to be guided over the forwardly projecting lower section of the guide chute or shield 16 to permit the advanced end of the guard to be directed into the discharge opening 27 so that the pointed or advanced end of the partly discharged toilet seat guard projects into an accessible position beneath the dispenser and above the guide apron 5. With an end of the guide projecting from the lower portion of the dispenser the operator merely has to take hold of the end of the guard and pull the remainder of the guard downwardly out of the dispenser into a position to permit the guard to be spread over the top of a toilet seat. With the pulling out of the guard from the dispenser magazine the guard being discharged moves over the guide bead 13 and over the guide apron 5. The various guide members provided in the lower portion of the dispenser serve to assist the discharge of the toilet seat guards individually and prevent tearing of the guards or crumpling up of the same within the magazine to clog the same.

With the dispenser magazine provided with the guide chute or shield 16 which serves as a seat or rest for the lower notched bound margin of a

pad of forms having slots or openings therein to engage over the supporting posts 12 of the magazine it will be noted that only pads of guard forms or the like of specific construction and design such as the improved pad illustrated in Figure 2 can be used in combination with the dispenser magazine.

It will of course be understood that various details of construction and design may be varied through a wide range without departing from the principles of this invention and it is therefore not the purpose to limit the patent granted hereon otherwise than necessitated by the scope of the appended claims.

I claim as my invention:

1. As an article of manufacture, a pad of guard forms for use in a toilet seat guard dispenser in which the bound end of the pad is disposed lowermost and from which the guard forms are adapted to be individually projected downwardly therefrom over the bound end during dispensation of the forms, comprising superimposed guard forms bound together along a lower margin to form a binding having an intermediate notched section leaving spaced bound mounting legs at the base of the pad by which the section and legs of the pad may be supported in the dispenser, the binding in each of said legs providing a line of serration along which the forms may be individually torn from the pad leaving said legs as stubs over which the forms are separately dispensed and which stubs are removable from the dispenser after all the forms in the pad have been dispensed.

2. As an article of manufacture, a pad of guard forms for use in a toilet seat guard dispenser in which the bound end of the pad is disposed lowermost and from which the guard forms are adapted to be individually projected downwardly therefrom over the bound end during dispensation of the forms, comprising superimposed guard forms bound together along a lower margin to form a binding having an intermediate notched section leaving spaced bound mounting legs at the base of the pad by which the section and legs of the pad may be supported in the dispenser, the binding in each of said legs providing a line of serration along which the forms may be individually torn from the pad leaving said legs as stubs over which the forms are separately dispensed and which stubs are removable from the dispenser after all the forms in the pad have been dispensed, said pad being slotted adjacent its upper end to cooperate with means in the dispenser for aiding in holding the forms in proper position over their supporting legs.

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