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3,239,158

TOILET TISSUE HOLDER

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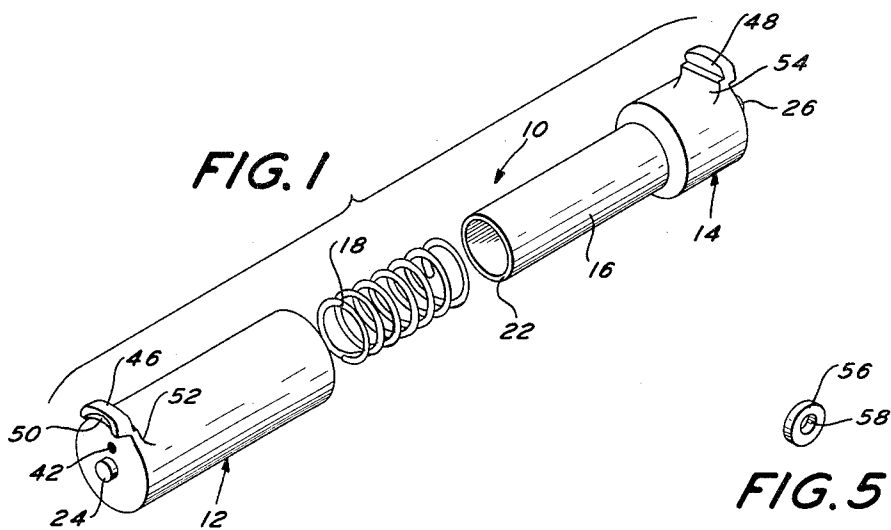


FIG. 2

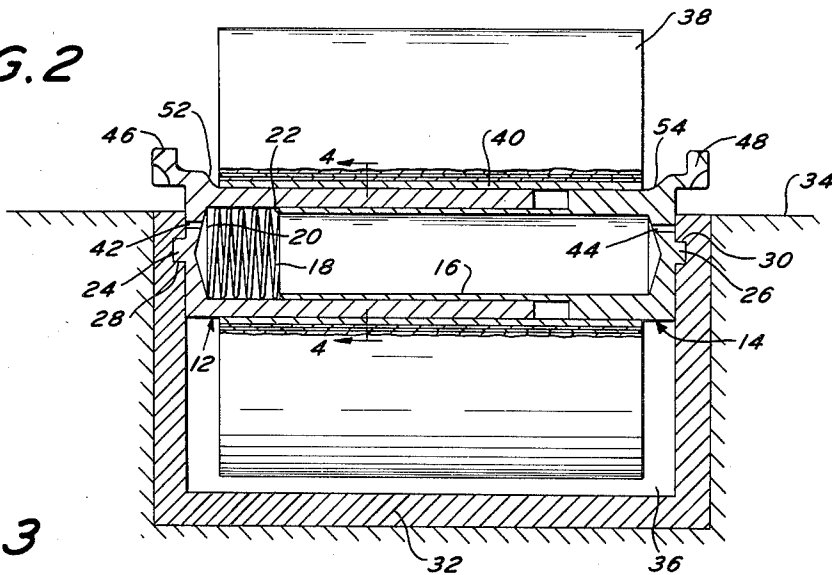


FIG. 3

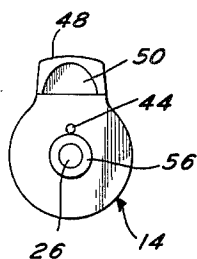
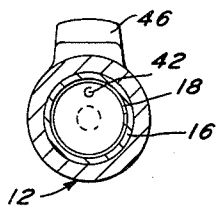


FIG. 4

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3,239,158 TOILET TISSUE HOLDER

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This invention primarily relates to a device for holding a roll of toilet tissue in a bathroom fixture and is particularly constructed for easy removal from and insertion within said bathroom fixture.

Accordingly, it is the primary object of this invention to disclose a toilet tissue holder which may be easily and readily inserted within a bathroom fixture or removed from a bathroom fixture after the roll of toilet tissue has been depleted.

A more specific object of this invention resides in the disclosure of a novel toilet tissue holder which incorporates a pair of laterally extending finger grips at opposite ends of the holder for telescopically sliding a pair of separable portions of the holder towards each other against the bias of a compression spring for decreasing the overall length of the holder thereby facilitating insertion or removal of the holder with respect to the bathroom fixture.

Yet another object of this invention resides in the provision of sloping surfaces on each of the holder portions rising from the surface of the holder portions and contiguous with the finger grips for gripping the core of the toilet tissue roll during removal or insertion of the holder in the bathroom fixture.

A still further object of this present invention resides in the disclosure and provision of adaptor buttons slidably received upon the ends of the toilet tissue holder for modifying the size of the ends of said holder to insure snug engagement thereof within different sized bathroom fixtures.

Another object of this invention resides in the fact that the toilet tissue holder to be disclosed comprises a minimum number of components, easily fabricated by conventional methods and efficient for its intended use.

For the purpose of illustrating the invention there is shown in the drawings a form which is presently preferred; it being understood, however, that this invention is not limited to the precise arrangements and instrumentalities shown.

FIGURE 1 is an exploded perspective view of the toilet tissue holder comprising the subject matter of the present invention.

FIGURE 2 is a central cross-sectional view through the toilet tissue holder and a bathroom fixture to which it may be attached illustrating the use of the holder in its relationship to the fixture.

FIGURE 3 is an end view in elevation of the toilet tissue holder with an adaptor button mounted on one end thereof for modifying the size of said end.

FIGURE 4 is a cross sectional view taken substantially along the plane indicated by the line 4—4 of FIGURE 2.

FIGURE 5 is a perspective view of one of the adaptor buttons used in conjunction with the toilet tissue holder of the present invention.

Referring now to the drawing in detail, the toilet tissue holder comprising the subject matter of the present invention is generally designated by the numeral 10 and includes a first and second substantially cylindrical tubular body portion 12 and 14. As shown in FIGURE 2, the tubular body portion 14 includes a diametrically reduced portion 16 which is telescopically received in sliding engagement within the first tubular body portion 12. A compression spring 18 is housed within the tubular

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body portion 12 between the end wall 20 of the tubular body portion 12 and the end 22 of the tubular body portion 14 for urging the body portions 12 and 14 apart.

Carried at opposite ends of the tubular body portions 12, 14 are a pair of pintles generally designated by the numerals 24 and 26 respectively. The pintles 24 and 26 are adapted to be received within recesses 28 and 30 formed in a bathroom fixture such as 32 which for purposes of illustration may be recessed within a bathroom wall such as 34. It should be apparent from FIGURE 2, that by telescopically sliding the body portion 14 towards the other body portion 12 against the bias of the spring 18, the overall length of the toilet tissue holder may be reduced so as to allow it to pass into the opening 36 of the bathroom fixture 32. The spring 18 will then urge the body portions 12 and 14 apart and anchor the body portions to the bathroom fixture by urging the pintles 24 and 26 into snug engagement within the recesses 28 and 30.

A roll of toilet tissue 38 having a core 40 received on the body portions 12 and 14 can thus be inserted within the bathroom fixture 32. In order to facilitate the sliding movement of the body portions relative to each other, a pair of air vents 42 and 44 are formed in the ends of the body portions 12 and 14 respectively.

In order to facilitate the removal or insertion of the toilet tissue holder 10, a pair of finger grips 46 and 48 are formed integral with the ends of the body portions 12 and 14. Finger grips 46 and 48 each include a recessed portion such as 50 which is contoured to the finger of the inserter or remover of the holder. By merely inserting one's finger within the recesses 50 of the finger grips 46 and 48, and imparting a pushing force on the body portions 12 and 14 towards each other against the bias of the spring 18, the overall length of the toilet tissue holder 10 may be reduced with ease whereby it may be readily inserted or removed in or from the bathroom fixture 32.

A pair of camming surfaces 52 and 54 comprising sloping surfaces rising from each of the tubular body portions and contiguous with the finger grips 46 and 48 are adapted to grip the core 40 of the toilet tissue roll 38 when the tubular body portions are slid toward each other. During this movement, the holder will become shorter than the core which will slide up on the sloping surfaces 52 and 54 and be gripped therebetween. Therefore, the toilet tissue roll 38 will be rigidly held by the toilet tissue holder 10 when it is being removed or inserted from or on the bathroom fixture. The toilet tissue roll 38 will therefore be held against rotation whereby the toilet tissue on the roll will not be able to unwind as the holder is being inserted or removed.

In case the recesses 28, 30 of the bathroom fixture 32 are larger in diameter than the pintles 24, 26, an adaptor button such as 56 may be used to modify the size of the pintles and thereby insure snug engagement thereof within different sized recesses in the bathroom fixture. The adaptor button 56 may be formed of plastic or any other suitable material and includes a centrally located aperture such as 58 received by the pintles. If permanency of the connection is required, the button 56 can be cemented or pressure sensitive adhesive can be used to attach the button to the pintle.

It should be apparent that an easily operable toilet tissue holder has been provided. By the user merely grasping the finger grips 48 and 46, and pushing the tubular portions 12 and 14 towards each other, the holder may be readily inserted or removed into or from a bathroom fixture. Further, due to the camming surfaces 52, 54, the roll of toilet tissue 38 is prevented from unwinding during the insertion or removal. Finally, the toilet

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tissue holder 10 is readily adaptable to various bathroom fixtures by means of the buttons 56.

The present invention may be embodied in other specific forms without departing from the spirit or essential attributes thereof and, accordingly, reference should be made to the appended claim, rather than to the foregoing specification as indicating the scope of the invention.

I claim:

An easily removable toilet tissue holder adapted to be mounted on a fixture comprising a first tubular body portion, a second tubular body portion having a reduced diametrical portion telescopically received in sliding engagement in said first tubular body portion, biasing means housed within said first tubular body portion for urging said first and second body portions apart, pintle means carried by each of said body portions at one end thereof for anchoring said body portions to a bathroom fixture by being urged into snug engagement within recesses in the fixture by said biasing means, and means extending laterally from each of said body portions for telescopically sliding said body portions towards each other against the bias of said biasing means thereby freeing the pintle means from engagement within the recesses and allowing removal of the toilet tissue holder from the bathroom fixture, cam means mounted on each of said body por-

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tions, said cam means being positioned on said body portions adjacent the ends of a roll for gripping a roll of toilet tissue carried on said tubular body portion when said body portions are telescopically slid towards each other by said laterally extending means, the outer diameter of said first and second body portions being substantially equal to the inner diameter of said roll, said cam means including sloping surfaces rising directly from said tubular body portions and contiguous with said laterally extending means, said sloping surfaces being spaced inwardly from the pintle ends of said tubular body portions.

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