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2,602,601

PAPER ROLL HOLDER

Original Filed July 28, 1945

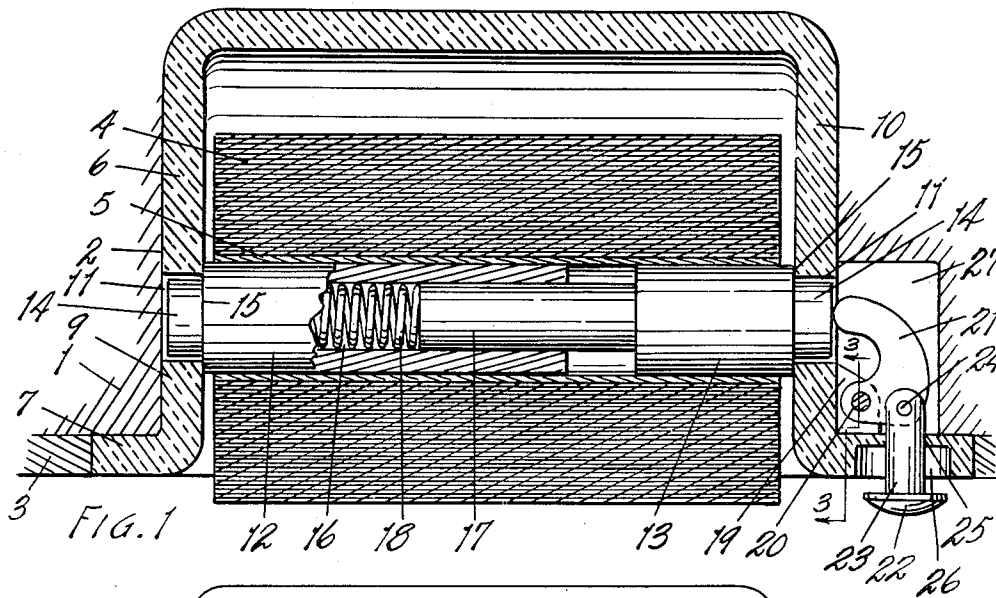


FIG. 1

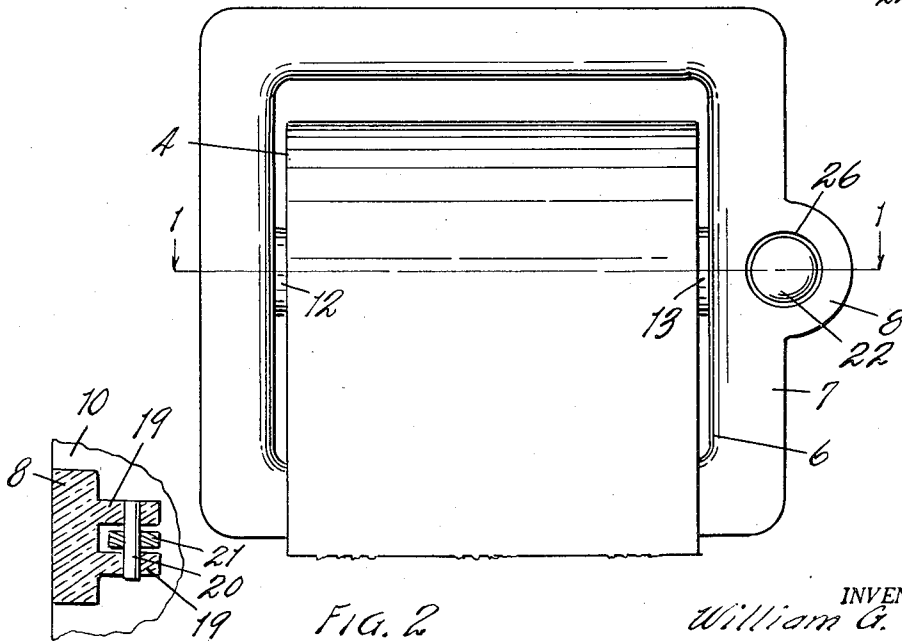


FIG. 2

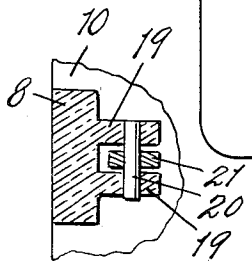


FIG. 3

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UNITED STATES PATENT OFFICE

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PAPER ROLL HOLDER

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Original application July 28, 1945, Serial No. 607,545, now Patent No. 2,492,728, dated December 27, 1949. Divided and this application November 9, 1949, Serial No. 126,350

5 Claims. (Cl. 242—55.2)

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This invention relates to improvements in a paper roll holder.

This application is a division of my application for Letters Patent, filed July 28, 1945, Serial No. 607,545, which has matured into Patent No. 2,492,728, dated December 27, 1949.

The main objects of this invention are:

First, to provide a holder for paper rolls, such as toilet paper and paper rolls generally, in which the holder is in the form of a wall receptacle with which the roll supporting spindle may be easily released or disengaged.

Second, to provide a structure having these advantages which is attractive in appearance and is simple and economical in its parts.

Objects relating to details and economies of the invention will appear from the description to follow. The invention is pointed out in the claims.

A preferred embodiment of the invention is illustrated in the accompanying drawings, in which:

Fig. 1 is a fragmentary view partially in longitudinal section on a line corresponding to line 1—1 of Fig. 2, of a roll holder embodying my invention shown in supported relation to a wall.

Fig. 2 is a front elevational view.

Fig. 3 is a fragmentary sectional view on a line corresponding to line 3—3 of Fig. 2.

In the accompanying drawing, 1 represents a wall having a recess 2 therein and 3 tile or other wall surface finishing. 4 represents a roll of paper wound upon a tubular core 5. The holder is in the form of a receptacle 6 open at the front and provided with laterally projecting flanges 7, one of the end flanges being provided with an enlargement 8. The recess 2 in the wall is of such dimensions as to receive the receptacle, the flanges 7 being desirably flush with the wall tile or facing 3. The end walls 9 and 10 of the receptacle are provided with bearings 11, the bearing in the wall 10 opening to the outer side thereof.

The spindle comprises telescoping sections 12 and 13 having journal portions 14 coacting with the bearings 11, the spindle sections being shouldered at 15 for thrust engagement with the inner sides of the end walls. The spindle section 12 has a longitudinal bore 16 therein opening at its inner end and telescopically receiving the reduced section 17 of the spindle section 13. The coil spring 18 is seated in the bottom of the bore 16 and is in thrust engagement with the inner end of the reduced portion 17 of the section 13 yieldingly urging the sections outwardly and

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maintaining their journals in engagement with the bearings in the end walls.

The end wall 10 of the receptacle is provided with spaced ears 19 receiving the pivot 20 for the release lever 21, the swinging end of which engages the outer end of the spindle member 13. The spring 18 urges the release member 21 to retracted position. The release member 21 is actuated by the push button 22 having a stem 23 pivoted to the release member at 24, the stem 23 being arranged through an opening 25 in the flange of the receptacle which is desirably provided with a recess 26 receiving the push button when in actuated position. In forming the recess 15 in the wall for the receptacle a recess 27 is formed to receive the release member and permit its swinging actuation. With the parts thus arranged the spring 18 acts to return the release member to its retracted position. To release the spindle it is only necessary to actuate the push button and swing the released end of the spindle forwardly.

The structure illustrated is very attractive and at the same time very convenient to manipulate.

I have illustrated and described my invention in a very practical embodiment thereof. I have not attempted to illustrate or describe other embodiments or adaptations as it is believed that this disclosure will enable those skilled in the art to embody or adapt my invention as may be desired.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

1. In a holder for paper rolls, the combination of a receptacle open at the front and comprising end walls having opposed spindle bearings therein, at least one of which opens at the outer side of the end wall, said receptacle adapted to be set into a wall and having laterally projecting flanges at its edges, a spindle comprising telescoping sections coacting with said bearings, said sections having cylindrical roll engaging portions of the same diameter, one of the sections having a longitudinal bore therein, the other having a reduced portion at its inner end telescoping within said bore, said spindle sections being shouldered at their outer ends for thrust engagement with the end walls of the receptacle, a spring disposed in said bore and acting to yieldingly urge the spindle sections into engagement with said bearings, a spindle release member pivotally mounted on the outer side of one of the end walls and at the front of the bearing opening therein and at the inner side of the ad-

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jacent receptacle flange for thrust engagement with the end of one of the spindle sections, and a push button provided with a stem slidably disposed through the said flange and pivotally connected to said release member whereby on actuation of the push button the spindle is longitudinally collapsed to disengage one of the sections thereof from its bearing thereby facilitating the removal of the spindle from the receptacle, said spring acting to yieldingly urge the release member to retracted position, the flange receiving the stem of the push button being recessed to receive the push button when it is actuated.

2. In a holder for paper rolls, the combination of a receptacle open at the front and comprising end walls having opposed spindle bearings therein, at least one of which opens at the outer side of the end wall, said receptacle adapted to be set into a wall and having laterally projecting flanges at its edges, a spindle comprising telescoping sections coacting with said bearings, a spring acting to yieldingly urge the spindle sections into engagement with said bearings, a spindle release member pivotally mounted on the outer side of one of the end walls and at the front of the bearing opening therein and at the inner side of the adjacent receptacle flange for thrust engagement with the end of one of the spindle sections, and a push button provided with a stem slidably disposed through the said flange and pivotally connected to said release member whereby on actuation of the push button the spindle is longitudinally collapsed to disengage one of the sections thereof from its bearing thereby facilitating the removal of the spindle from the receptacle, said spring acting to yieldingly urge the release member to retracted position.

3. In a holder for paper rolls, the combination of a receptacle open at the front and comprising end walls having opposed spindle bearings therein, at least one of which is open at the outer side of the end wall, a spindle comprising telescoping sections coacting with said bearings, a spring acting to yieldingly urge the spindle sections into engagement with said bearings, a spindle release member pivotally mounted on the outer side of one of the end walls for thrust engagement with the end of one of the spindle sections, and a push button provided with a stem slidably supported on the receptacle to coact with said release member whereby on actuation of the push button the spindle is longitudinally collapsed to disengage one of the sections thereof from its bar thereby facilitating the removal of the spindle from the receptacle, said spring acting to yieldingly hold the release member in retracted position.

4. In a holder for paper rolls, the combination

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of support members spaced to receive a roll of paper between them and having spindle bearings therein, at least one of which opens at the outer side of the support, a spindle comprising telescoping sections coacting with said bearings, one of the sections having a longitudinal bore therein, the other having a portion at its inner end telescoping within said bore, a spring disposed in said bore and acting to yieldingly urge the spindle sections into engagement with said bearings, a spindle release member pivotally mounted on the outer side of the support member having the bearing opening at its outer end, and a push button mounted on the support member on which said release member is mounted to coact with the said release member whereby on actuation of the push button the spindle is longitudinally collapsed to disengage one of the sections thereof from its bar, thereby facilitating the removal of the spindle from the receptacle, said push button being mounted on said support member for actuation in a direction substantially at right angles to the axis of the spindle, said spring acting to yieldingly hold the release member in retracted position.

5. In a holder for paper rolls, the combination of a receptacle to be positioned in a recess in a wall and having an outwardly projecting wall engaging border member, said receptacle being open at the front thereof for receiving a roll of paper therein and having end walls spaced to receive the roll of paper therebetween, said end walls having opposed spindle bearings, a spindle for receiving the roll of paper thereon comprising telescoping sections coacting with said bearings, a spring acting to yieldingly urge the spindle sections into engagement with said bearings, and spindle release means disposed for thrust engagement with the end of one of the spindle sections and projecting through said border member for actuation of the spindle release means from the front of the receptacle.

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