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MAGAZINE ROLL HOLDER AND FEEDER

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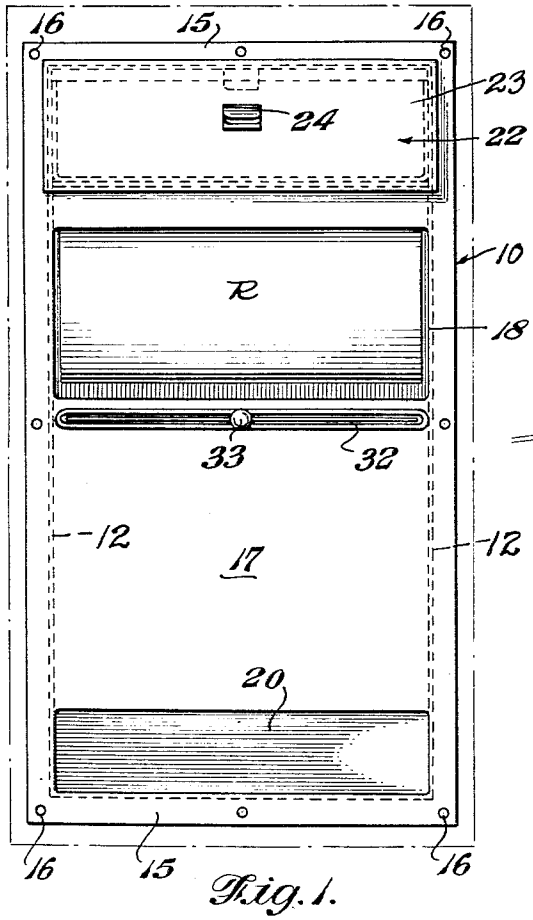


Fig. 1.

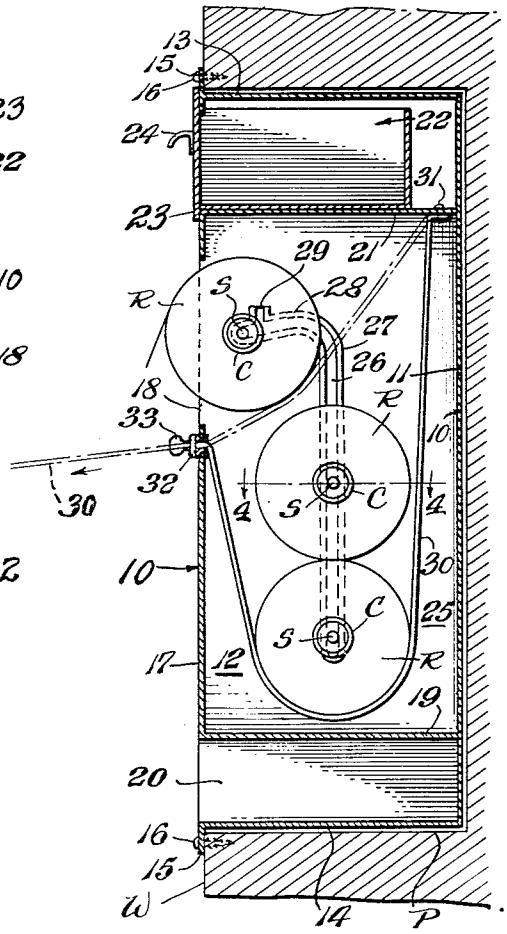


Fig. 2.

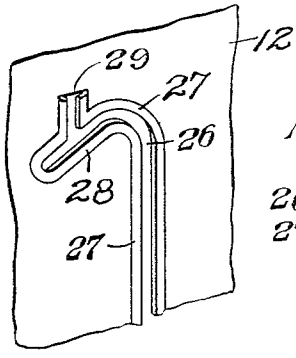


Fig. 3.

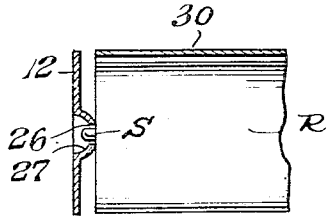


Fig. 4.

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MAGAZINE ROLL HOLDER AND FEEDER

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2 Claims. (Cl. 242—55.3)

My invention relates to a roll holder and feeder of a magazine type, for holding and feeding successive rolls of paper, such as toilet paper so that exhausted rolls may be replaced quickly.

An object of the invention is to provide a novel, simple and practical roll holder in which a supply or plurality of rolls are supported one upon the other in guideways at each end and fed upwardly to position for use in tearing off sheets therefrom.

Another object is to provide novel and simple means for raising the superimposed rolls to move the uppermost roll into position for use.

Other objects and advantages will be apparent as the description proceeds and the novel construction, combination and arrangement of parts pointed out, but it is to be understood that changes and modifications may be resorted to within the scope of the claimed invention without departing from the principles and spirit thereof.

In the drawing:

Figure 1 is a front elevation of a toilet paper or other roll holder and feeder embodying my invention.

Figure 2 is a vertical section.

Figure 3 is a fragmentary perspective view showing a roll guideway, and

Figure 4 is an enlarged fragmentary horizontal section taken on the line 4—4 of Figure 2.

Referring to the drawings in detail, my roll holder and feeder for toilet paper rolls or otherwise, is composed of a cabinet **10** of rectangular shape adapted to be anchored to a suitable support which may be a wall W having a recess P into which the cabinet is fitted. The cabinet **10** has a back or inner rear wall **11**, sides **12**, top **13** and bottom **14**. The side, top and bottom walls are provided with a surrounding outwardly extending flange **15**, which abuts wall W and is secured thereto by suitable fastenings **16**. Front wall or panel **17** has an opening **18** across the same.

Near the bottom **14**, a horizontal partition **19** is provided forming a compartment or pigeon hole **20** open at the front for suitable toilet or other accessories. Near the top is a horizontal shelf **21** forming a compartment with top **13** to receive a drawer or ash tray **22** having a flanged front **23** to engage around an opening in front panel **17**, and having a pull handle **24**.

Thus, a large intermediate compartment **25** is provided between partitions **19** and **21** accessible through the front opening **18** in the front panel **17**. The sides **12** are provided with guideways or slots **26**, which may be depressed or set in from the sides **12**, extending vertically intermediately between the front **17** and back **11** from points spaced from the bottom of compartment **25** or partition **19** to points about midway of the height of opening **18**, where they are curved forwardly and downwardly at **27**, with forwardly extending automatic feeder

portions **28** slightly inclined downwardly, and each having a vertical raised upper entrant open portion or slot **29** which may be set back or spaced from the front ends of portions **28**. By this means, the ends or spindles S set in the cores C of rolls R such as rolls of toilet paper may be slid or dropped into the entrant openings **29** by passing the rolls through opening **18**. The rolls are then pushed back up and along guideway portions **28** to drop down into portions **26** to the bottom thereof with the rolls R resting on one another as seen in Figure 2 to form a supply of a plurality of rolls of any number depending upon the depth or length of the vertical guideways **26** and compartment **25**.

As shown in Figure 2, in order to feed the rolls R one at a time to dispensing position at the front of guideway portions **28** after a roll has been dispensed or exhausted by tearing off same, a flexible web or belt **30** is anchored at one end as at **31** to the upper shelf support or partition **21** near the back in rear of drawer or tray **22**. It then extends loosely downwardly in back and under the rolls R in guideways **26** at the sides of the compartment **25** of cabinet or casing **10**. The opposite end of the belt or web **30** is extended upwardly in front of the rolls in guideways **26** and over a horizontal support or restraining member or through a guide slot or elongated slotted sleeve or grommet **32** extending across the width of the compartment **25** through the front wall or removable panel **17** below opening **18** and provided with a pull knob or handle **33**. Thus, it will be noted that end **31** is above the roll R in dispensing position and higher than same, slot **32** and knob **33**, so that upon pulling out on the free end of the belt or web **31**, the rolls R will be raised in the guideways **26** until the top roll passes around the curved portions **27** and rolls forwardly by gravity in portions **28** to the front ends thereof beyond the vertical entrant portions or slots **29**. Upon releasing or slackening the pull on the knob **33** and flexible web or belt **30**, the remaining rolls R will drop back down the vertical guideways **26** to the bottom thereof. While only two rolls R are shown in the magazine section of the device at guideways **26**, the device may be made long or high enough to accommodate and hold any desired number of rolls as a supply ready for use when necessary without running out of rolls when the top one is exhausted and avoiding the obvious inconvenience thereof.

Having thus described my invention, I claim:

1. A roll holder and feeder including opposed vertical guideways closed at the bottom and having upper end portions extending forwardly, and means for raising a roll in the guideways to move into said upper end portions comprising a web anchored above the guideways in back of the roll, extending under the roll and upwardly and outwardly to move over a support at the front below said upper end portions.

2. A roll holder and feeder as defined in claim 1, wherein said raising means is free of the guideways and rolls and comprises a flexible member anchored at one end in back of said upper portions and movable at the other end through a guide slot in front below said upper portions, and a pull member on said other end restrained from moving inwardly through said slot.

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