

March 17, 1942.

R. I. MOREHOUSE ET AL

2,276,414

PAPER ROLL DISPENSER.

Filed April 5, 1941

Fig. 1.

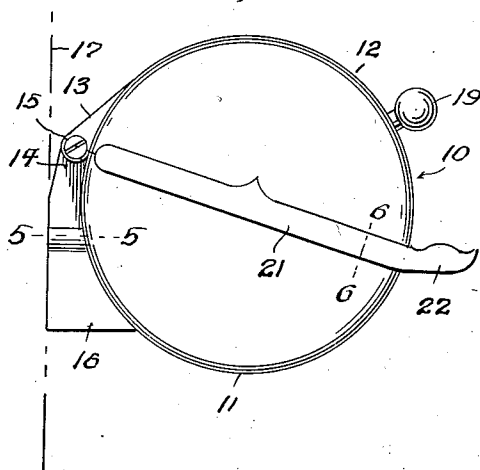


Fig. 2.

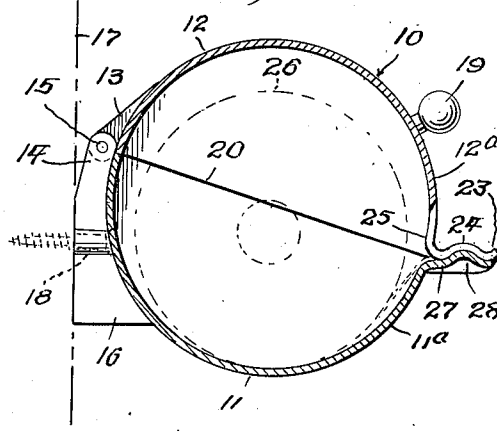


Fig. 3.

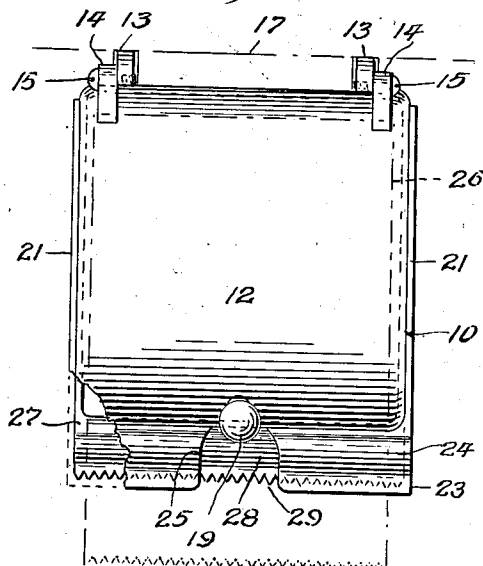


Fig. 4.

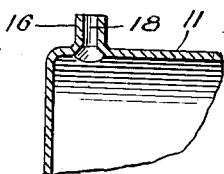
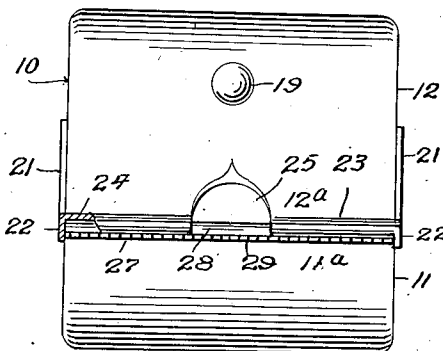
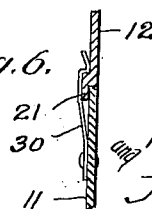


Fig. 5. Fig. 6.



Inventors:

Ray I. Morehouse

John K. Gumpfer,

by Charles O. Shroyer
their Atty.

UNITED STATES PATENT OFFICE

2,276,414

PAPER ROLL DISPENSER

Ray I. Morehouse and John K. Gumper, Chicago, Ill.

Application April 5, 1941, Serial No. 386,990

4 Claims. (Cl. 242—55.5)

This invention relates to paper roll dispensers and its principal object to provide a closed container for holding a roll of paper from which container desired lengths of paper may be readily withdrawn and detached from the roll.

At present paper rolls such as toilet paper, paper kitchen towels and the like are rotatably mounted on brackets fastened to a wall of the room and are unsightly, unsanitary and collect dust.

One of the objects of this invention is to provide a dispenser which shall be ornamental in appearance, and shall enclose the roll of paper and preserve the same in a clean and sanitary condition.

Another object is to provide a dispenser which may be readily refilled when empty and which does not require any spindle or roller or brackets upon which to journal the paper roll.

With these and other objects and advantages in view, this invention consists of the several novel features hereinafter fully set forth and claimed.

The invention is clearly illustrated in the drawing accompanying this specification, in which:

Fig. 1 is a side elevation of a paper roll dispenser embodying a simple form of the present invention.

Fig. 2 is a central, vertical cross section thereof.

Fig. 3 is a plan thereof, partly broken out.

Fig. 4 is a front elevation thereof, partly broken out.

Fig. 5 is a detail horizontal section taken on the line 5—5 of Fig. 1.

Fig. 6 is a detail vertical cross section taken on the line 6—6 of Fig. 1 and showing an additional improvement.

Referring to said drawing the reference character 10 designates a receptacle or container of cylindrical or many sided cross section, composed of a stationary lower section 11 and a movable upper section or lid 12 hingedly secured thereto as by hinge ears 13, 14 and screws 15.

The lower section 11 is formed on its rear side with upright ribs 16, which may comprise continuations of the hinge ears 14 and said ribs have vertical rear edges adapted to be placed against a wall or other supporting surface 17. Screw holes 18 are formed in the ribs 16 which open to the interior of the receptacle whereby screws may be inserted into the screw holes and screwed into the wall or other support. A knob 19 secured to the lid provides means to facilitate raising and lowering the lid.

The lower section 11 and lid 12 form two complementary halves of the receptacle, and the dividing line 20 between the two halves slopes downward from the hinge axis to the front of the receptacle so as to bring the front edge of the lower half below the screw holes to facilitate inserting the screws when fastening the receptacle to a wall. On each end wall of the lid, at the lower edge thereof, is formed a flange 21, which covers the dividing line between the lower section and lid, and said flanges are continued forwardly of the front of the receptacle, as at 22 and are connected by a lip that projects forwardly from the front edge of the wall 12^a of the lid and provides an upper lip 23 of the hereinafter mentioned mouth. This lip is preferably corrugated along its length, or otherwise shaped to provide an upwardly convexed part 24. A notch 25 is formed in the upper lip and adjacent part of the wall 12^a of the lid to provide access to the paper strip when withdrawing a length thereof from the roll of paper, shown in dotted lines at 26.

Extending forwardly from the front edge of the wall 11^a of the lower section 11, is a lower lip 27, which is corrugated or formed with an upwardly convexed part 28 that conforms to the convexed part of the upper lip. The two lips provide a mouth from which the paper strip may be withdrawn from the receptacle. The forward edge of the lower lip is serrated as at 29 or otherwise formed to provide a tearing edge across which the withdrawn portion of the paper strip may be torn to detach it from the remainder.

The weight of the lid may be sufficient to place enough friction on the end of the paper strip between the lips to retain the end of the paper strip in place between the lips. If desired, a latch 30, (see Fig. 6) composed of resilient material may be riveted or otherwise fastened to the lower section in position to engage over a flange 21 to thereby releasably hold the lid closed.

Desirably the dispenser is made of "plastic," or other light weight material suitably colored or decorated to give it an attractive appearance.

To withdraw any length of the paper strip from the roll, the person places his thumb upon the end of the strip below the notch and draws it forwards far enough to enable him to grasp the end. He then pulls out any desired length of the paper strip and swings it downwards, tearing it across the tearing edge of the lower lip, and leaving the end of the roll between the lips in position to be withdrawn.

It will be observed that a paper roll may be simply dropped into the lower section to refill the

same and that no spindle, roller or brackets are required to support the paper roll.

The dispenser may be made in various sizes so as to accommodate conventional toilet paper rolls, paper kitchen towels and the like.

More or less variation of the exact details of construction is possible without departing from the spirit of this invention; we desire, therefore, not to limit ourselves to the exact form of the construction shown and described, but intend, in the following claims to point out all of the invention disclosed herein.

We claim as new and desire to secure by Letters Patent:

1. A paper roll dispenser comprising a lower section having a complementary lid adapted to enclose a paper roll, the lower section being formed with positioning ribs having screw holes for the reception of screws from within the lower section, the upper ends of said ribs terminating in hinge ears, and said lid having hinge ears cooperating with the first mentioned hinge ears to hinge the lid to the lower section, the front meeting edges of the lower section and lid being formed with complementary corrugated upper and lower lips between which paper, from the roll, may be drawn out of the dispenser, the upper lip being formed with a notch and the lower lip being formed with a tearing edge.

2. A paper roll dispenser comprising a lower section having a complementary lid hinged thereto and adapted to enclose a paper roll, the lower section being formed with positioning ribs on its rear side, having screw holes therein that open to the interior of the lower section, the lid having flanges thereon covering the meeting edges of the ends of the lower section and lid and projecting forwardly thereof, the lower section and lid having outwardly extending complementary corrugated lower and upper lips formed at their front meeting edges, said projecting parts of the flanges joining with the upper lip and overhang-

ing the end edges of the lower lip, and one lip being formed with a notch and the other lip being formed with a serrated tearing edge.

3. A paper roll dispenser comprising two complementary semi-cylindrical halves consisting of a lower section and a lid hinged together and adapted to enclose a paper roll, the lower section being formed with positioning ribs on its rear side, having screw holes therein that open to the interior of the lower section, the lid having flanges thereon covering the meeting edges of the ends of the lower section and lid and projecting forwardly thereof, the lower section and lid having outwardly extending complementary corrugated lips formed at their front meeting edges, said projecting parts of the flanges joining with one lip and overhanging the end edges of the other lip, and one lip being formed with a notch and the other lip being formed with a serrated tearing edge.

4. A paper roll dispenser comprising two complementary semi-cylindrical halves consisting of a lower section and a lid hinged thereto and adapted to enclose a paper roll, the meeting edges of the end walls of the two halves sloping toward the front of the dispenser, the lower section being formed with positioning ribs on its rear side, having screw holes therein that open to the interior of the lower section, the lid having flanges thereon covering the meeting edges of the ends of the lower section and lid and projecting forwardly thereof, the lower section and lid having outwardly extending complementary corrugated lower and upper lips formed at their front meeting edges, said projecting parts of the flanges joining with the upper lip and overhanging the end edges of the lower lip, and one lip being formed with a notch and the other lip being formed with a serrated tearing edge.

RAY I. MOREHOUSE.
JOHN K. GUMPPER.