June 28, 1966 W. D. WREN 3,258,216

PAPER DISPENSER

Filed Feb. 26, 1964 2 Sheets-Sheet 1

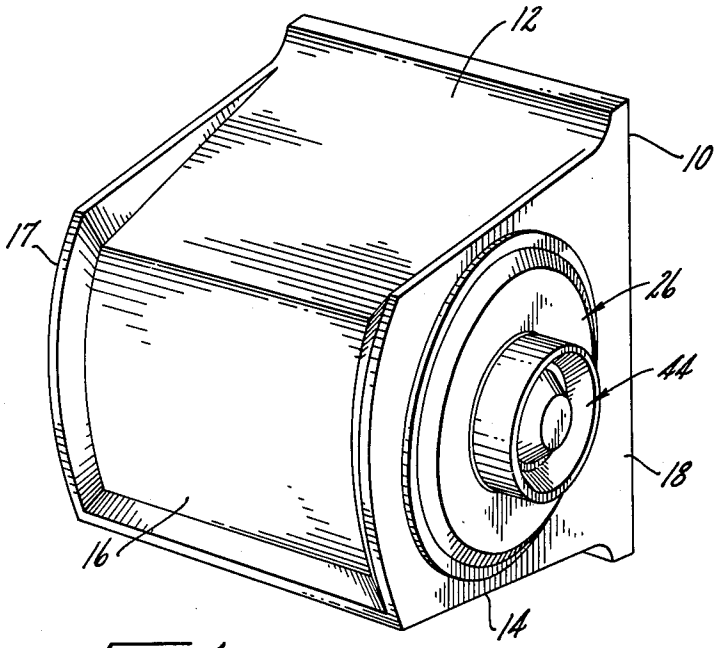


Fig. 1.

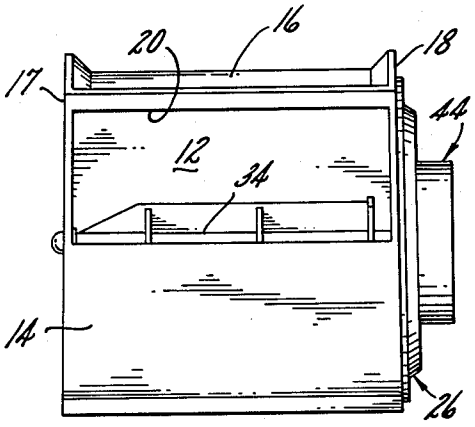


Fig. 2.

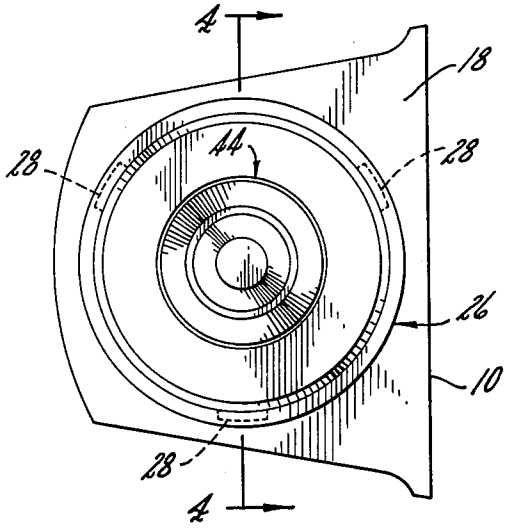


Fig. 3.

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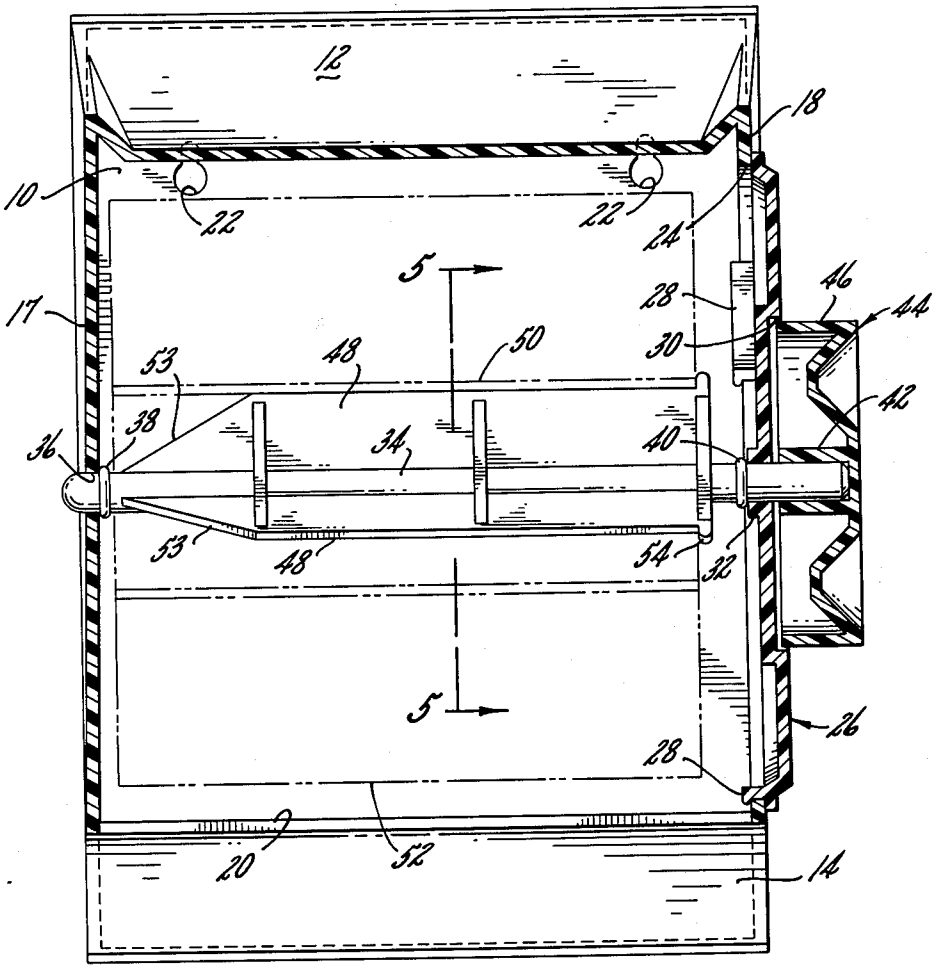


FIG. 4.

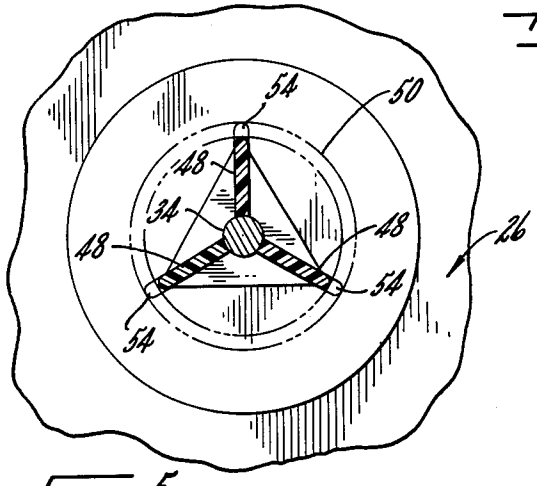


FIG. 5.

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3,258,216

PAPER DISPENSER

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4 Claims. (Cl. 242—55.53)

This invention relates to a paper dispenser, and more particularly to a device for dispensing a spool of paper.

It is an object of the invention to provide a paper dispenser of attractice appearance which will protect the paper to be dispensed from becoming soiled, which will dispense the desired quantity of paper, which can easily be refilled, and which will prove sturdy and durable in use.

In accordance with the preferred form of the invention, there is provided a housing adapted to hold a spool of paper. The housing has openings formed in its bottom wall and one of its side walls with a panel removably mounted on said housing to close the opening in said side wall. Said panel has means for releasably locking it on the housing.

A spindle is rotatably carried in aligned openings formed in the panel and housing for supporting the spool of paper within the housing in alignment with the opening in the housing bottom wall. Conveniently, means are formed on the spindle for locating the spool in a fixed position thereon. One end of the spindle projects outwardly through said opening on the panel and is fixedly connected to a control knob so that rotation of said control knob will cause the paper to be dispensed from the spool outwardly through the opening in the housing bottom wall.

Other objects and features of the invention will become apparent from the more detailed description which follows and from the accompanying drawings, in which:

FIG. 1 is a perspective view of a paper dispenser embodying the invention;

FIG. 2 is a bottom plan view of the dispenser shown in FIG. 1;

FIG. 3 is a side elevation of the dispenser shown in FIG. 1;

FIG. 4 is an enlarged vertical section taken on the line 4—4 of FIG. 3; and

FIG. 5 is a vertical section taken on the line 5—5 of FIG. 4.

As shown in the drawings, the paper dispenser is provided with a housing comprising a back wall **10** connected at its upper and lower ends to top and bottom walls **12** and **14** which converge toward each other from their interconnection to the back wall and are interconnected at their front edges by an arcuate front wall **16**. A pair of side walls **17** and **18** are connected to the lateral edges of the back, top, bottom and front walls. An enlarged transversely extending opening **20** is formed in the bottom wall **14** for the discharge of paper from the housing, and the back wall **10** is conveniently provided with a pair of openings **22** for mounting the dispenser on a wall or the like.

As shown, the side wall **18** has an enlarged circular opening **24** whch is closed by a panel **26**. Said panel has a plurality of circumferentially spaced fingers **28** adapted to be snap-fit over the edges of the openings **24** for thus releasably locking the panel **26** on the housing. A circular recess **30** is also formed in the panel **26** at the center thereof and terminates in an inwardly extending hollow sleeve **32**.

Extending transversely across the housing is a spindle **34** journaled in the sleeve **32** adjacent one of its ends and in an opening **36** formed in the side wall **17** adjacent its opposite end. Conveniently, the spindle **34** has a pair of expanded collars **38** and **40** rotatably carried against

the inner faces of the side wall **17** and sleeve **32**, respectively, for axially locating said spindle within the housing. The spindle projects outwardly through the sleeve **32** and is fixedly connected to the hub **42** of a control knob **44**. As shown, the knob **44** has a circumferentially extending skirt **46** disposed in proximate relationship with side of the recess **30**.

A plurality of radiating fins **48** are formed on the spindle **34** intermediate the collars **38** and **40**. Said fins are adapted to bindingly engage the spool **50** of a roll of paper **52** carried within the housing. The ends of the ribs adjacent the collar **38** are tapered, as at **53**, to facilitate their insertion in the spool **50**. The opposite ends of the fins have radially projecting extensions **54** engageable with the adjacent end face of the spool **50** for thus axially locating said spool on the spindle in alignment with the opening **20**.

Thus, with the paper **52** located on the spindle **34** as shown in FIG. 4, it is only necessary to rotate the knob **44** to cause the spindle **34** and paper **52** to rotate in a like direction for dispensing said paper through the opening **20** in the housing bottom wall. The forward transverse edge of the opening **20** can thereby serve as a tear edge for separating the desired quantity of paper from the remaining portion of the spool.

In order to place a new spool of paper on the spindle **34**, it is merely necessary to remove the panel **26** from the housing. This can be accomplished by pressing the end of the spindle **34** remote from the knob **44** to the right as viewed in FIG. 4 or by pulling the knob **44** to the right as viewed in FIG. 4, thereby causing the fingers **28** to be disengaged from the edges of the opening **24** for removing the panel **26** and spindle **34** from the housing. After such removal, the expended spool **50** can be removed from the spindle **34** and a new spool of paper inserted thereon. The panel and spindle, together with the fresh spool of paper, are then reinserted into the housing by inserting the spindle into the opening **36** and then forcing the panel **26** to the left as viewed in FIG. 4 to cause the fingers **28** to snap-lock over the edges of the opening **24**.

I claim:

1. A paper dispenser, comprising a housing having openings formed in its bottom and one of its side walls, a panel removably mounted on said housing for closing the opening in said side wall, means on said panel for releasably locking said panel on the housing, a spindle rotatably carried in aligned openings in said panel and in another side wall of said housing for supporting a spool of paper in said housing, one end of said spindle projecting outwardly through the opening in said panel and being fixedly connected to a control knob, and means on said spindle operative with said panel and said another side wall for axially locating said spindle in the housing.

2. A paper dispenser, comprising a housing having openings formed in its bottom and one of its side walls, a panel removably mounted on said housing for closing the opening in the said side wall, means on said panel for releasably locking said panel on the housing, a spindle rotatably carried in aligned openings in said panel and another side wall of said housing for supporting a spool of paper in said housing, one end of said spindle projecting outwardly through the opening in said panel and being fixedly connected to a control knob, means on said spindle for axially locating said spindle in the housing, said panel having a circular recess formed therein around the opening therein, and said control knob having a circumferentially extending skirt disposed within said recess in proximate relation to the circumference of said recess and projecting axially therebeyond.

3. A paper dispenser, comprising a housing having openings formed in its bottom and one of its side walls, a

panel removably mounted on said housing for closing the opening in the said side wall, means on said panel for releasably locking said panel on the housing, a spindle rotatably carried in aligned openings in said panel and another side wall of said housing for supporting a spool of paper in said housing, one end of said spindle projecting outwardly through the opening in said panel and being fixedly connected to a control knob, means on said spindle for axially locating said spindle in the housing, said means on said spindle comprising a pair of collars on said spindle rotatably carried against said panel and the inner face of said another side wall.

4. A paper dispenser, comprising a housing having openings formed in its bottom and one of its side walls, a panel removably mounted on said housing for closing the opening in said side wall, means on said panel for releasably locking said panel on the housing, a spindle rotatably carried in aligned openings in another side wall of said housing and panel, a plurality of fins radiating outwardly from the end of said spindle for supporting a spool of paper thereon, said fins tapering outwardly from said

spindle adjacent said another side wall and having outwardly projecting extensions adjacent the end of the spindle adjacent the panel for axially locating said spool thereon, and one end of said spindle projecting outwardly through the opening in said panel and being fixedly connected to a control knob.

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