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J. TSAKALAS

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ROLL PAPER DISPENSER WITH BUILT-IN DEODORANT CONTAINER

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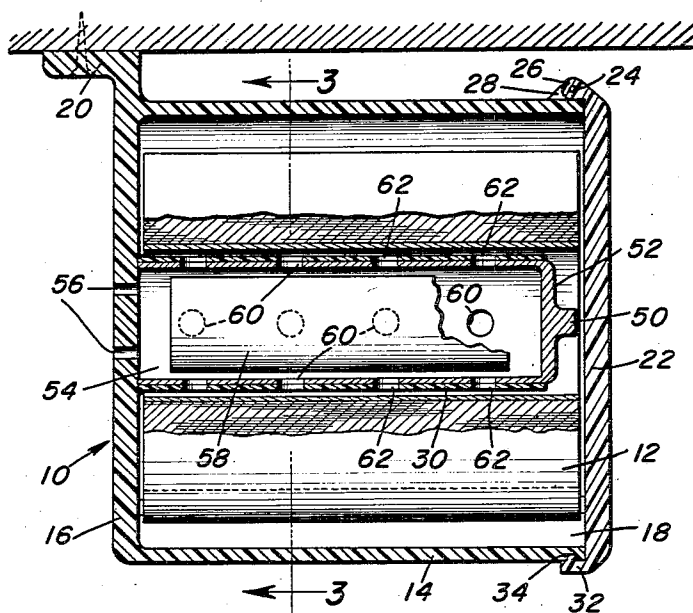


Fig. 2

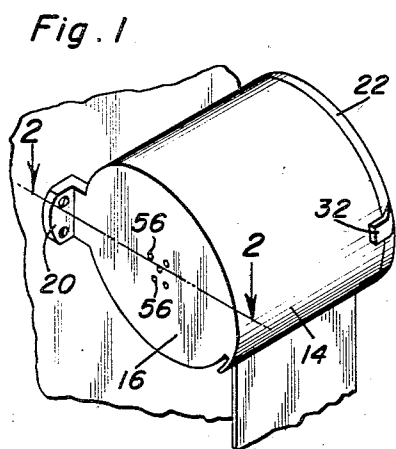


Fig. 1

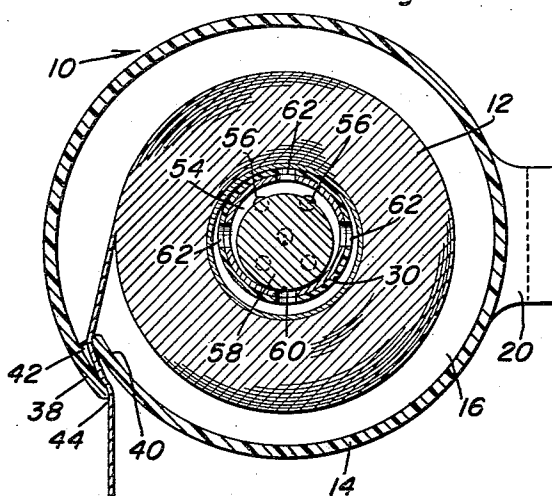


Fig. 3

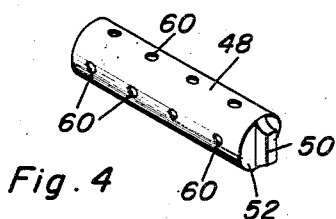


Fig. 4

James Tsakalas
INVENTOR.

BY *Chance A. O'Brien*
and *Harvey E. Jackson*
Attorneys

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ROLL PAPER DISPENSER WITH BUILT-IN DEODORANT CONTAINER

James Tsakalas, Randolph, Mass.

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2 Claims. (Cl. 299—24)

This invention relates to roll paper dispensers and more particularly to a roll paper dispenser which is of a special construction and which has provision for accommodating deodorant within the paper tube of the roll of paper.

An object of the present invention is to provide a roll paper dispenser which has a casing in which to accommodate a roll of paper with the tube thereof fitted rotationally on a spindle having a hollow chamber to accommodate the deodorant.

A more specific object of the present invention is to provide a roll paper dispenser which has in its casing a slot through which the paper is adapted to pass, the paper being completely encased for cleanliness and for enhancing the appearance thereof. In addition one end of the casing is open for easy insertion and removal of the roll paper and the roll paper tube respectively, the open end of the casing having a closure operatively connected with it, this closure also functioning to hold the roll paper on its spindle.

A further object of the invention is to provide a structurally improved spindle on which the roll of paper is adapted to be supported, this spindle being apertured to coact with openings in a valve, the latter being hollow and supporting a solid type deodorant.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a perspective view of a dispenser for roll paper made in accordance with the principles of the invention;

Figure 2 is a sectional view taken approximately on the line 2—2 of Figure 1;

Figure 3 is a sectional view taken on the line 3—3 of Figure 2; and

Figure 4 is a perspective view of the valve which is used in the dispenser of Figure 1.

The dispenser 10 that is made in accordance with the invention is of such dimensions as to accommodate a standard size roll 12 of toilet paper. Although not essential it is preferred that the dispenser be made almost completely of plastic, having a cylindrical side wall 14, an end wall 16 and an open opposite end 18 that forms the entrance for the roll 12 of paper. A right angular mounting bracket 20 has openings in one part thereof to accommodate screws or equivalent fasteners in order to mount the dispenser on a wall or other support. The right angular bracket is formed as a continuation or extension of the wall 16 (Figure 2) and is adapted to hold the dispenser mounted in a cantilever fashion.

Closure 22 is mounted for pivotal movement on hinge pin 24, the latter being passed through aligned openings in hinge butts 26 and 28 that are on an edge of closure 22 and on cylindrical side wall 14 respectively. The

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closure not only functions as such for the open end 18 of the casing but also functions as a device to hold the roll of paper mounted rotationally on spindle 30 in the cavity of the casing. A friction lock 32 consisting of a protuberance on a laterally projecting finger of closure 22 is adapted to snap in a depression 34 in the cylindrical side wall 14 in order to hold the closure releasably latched.

The cylindrical side wall (Figure 3) of the casing has a strip 38 which overlaps and is spaced from a portion 40 of the cylindrical side wall in order to form passage 42 which functions as a means to guide the end of the paper from the roll 12. The edge 44 of guide 38 is made reasonably sharp to facilitate tearing the paper from the roll.

Spindle 30 is fixed to the wall 16 and is hollow. It accommodates valve 48, the latter being tubular and having a finger-grip 50 on end wall 52. The opposite end of the valve is open so that the chamber 54 in the valve is in registry with a group of openings 56 in wall 16. This exposes the deodorant chamber 54 to the atmosphere. A solid deodorant 58 of a commercially available type is fitted in chamber 54. The side wall of the tubular valve has a plurality of openings 60 which are adapted to be brought into registry with apertures 62 in the spindle 30. Accordingly when the apertures and openings 62 and 60 are in registry odors from the deodorant 58 are capable of passing therethrough and permeating the entire interior of the casing.

In use the closure 22 is opened and the roll of paper inserted through the open end 18 of the casing. The end of the paper is brought through passage 42. The deodorant 58 is placed in the chamber 54 of the valve, and the valve is inserted into the bore of the hollow spindle. By turning the finger grip 54 to a predetermined position, the owner may regulate the registry of openings and apertures 60 and 62 so as to permit the deodorant to permeate the interior of the casing. Then the closure 22 is latched in a closed position and the device is ready for dispensing paper in accordance with the desires of the user.

The foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly all suitable modifications and equivalents may be resorted to, falling within the scope of the invention as claimed.

What is claimed as new is as follows:

1. A dispenser for a roll of paper, said dispenser comprising a casing having a cylindrical side wall, an end wall and an opening opposite to said end wall, said cylindrical side wall having overlapping spaced portions defining a passage through which the paper is adapted to be withdrawn, a closure operatively connected to said casing and adapted to close said open end of said casing, said closure having an inner surface which forms a stop for the roll of paper preventing its movement in one direction in said casing, a hollow spindle attached to said wall of said casing on which the roll of paper is adapted to be mounted for rotation, said hollow spindle having apertures, a valve adapted to register with said apertures in order to control the effective size thereof, said valve having a chamber in which to accommodate a deodorant.

2. A dispenser for a roll of paper, said dispenser comprising a casing having a cylindrical side wall, an end wall and an opening opposite to said end wall, said cylindrical side wall having overlapping spaced portions defining a passage through which the paper is adapted to be withdrawn, a closure operatively connected to said casing and adapted to close said open end of said casing, said closure having an inner surface which forms a stop for

the roll of paper preventing its movement in one direction in said casing, a hollow spindle attached to said wall of said casing on which the roll of paper is adapted to be mounted for rotation, said hollow spindle having apertures, a valve adapted to register with said apertures in order to control the effective size thereof, said valve having a chamber in which to accommodate a deodorant, a finger grip at one end of said valve to manipulate said valve and to withdraw it from said hollow spindle, and means in said wall to ventilate the interior of said chamber and permit the escape of some odors therefrom to the atmosphere.

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