Nov. 15, 1966 E. J. SIMON 3,285,559

DISPENSER HOLDERS

Filed March 3, 1965 2 Sheets-Sheet 1

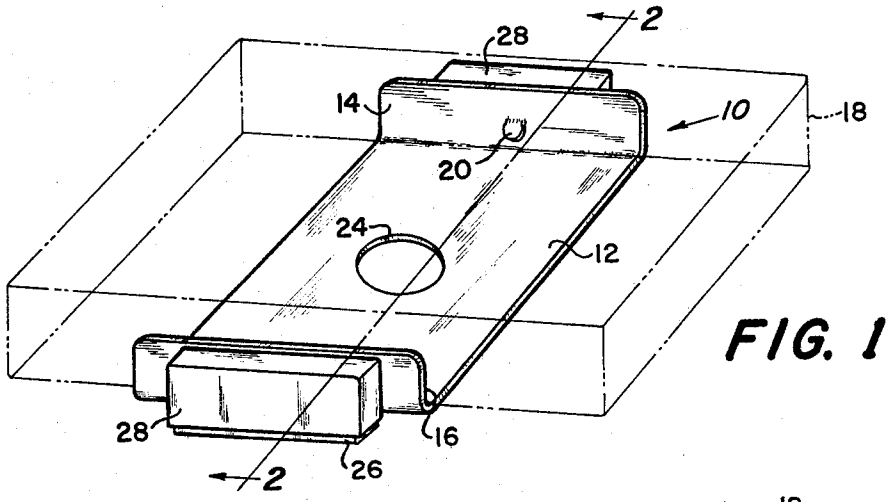


FIG. 1

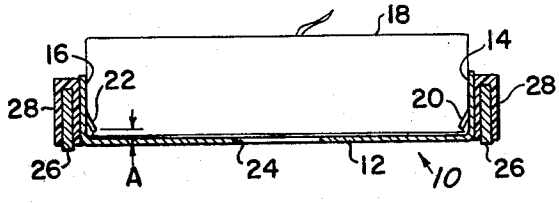


FIG. 2

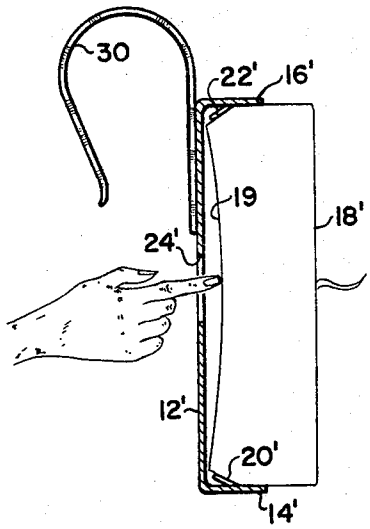


FIG. 3

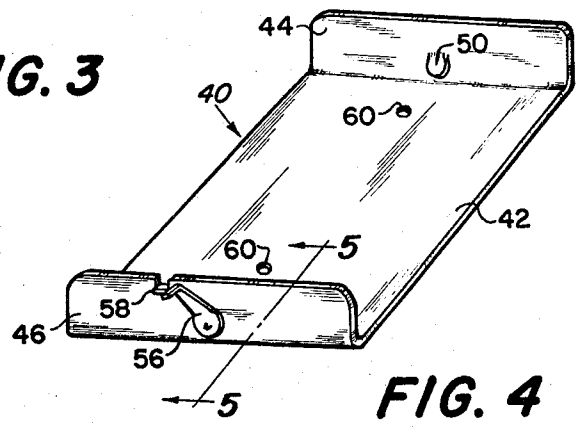


FIG. 4

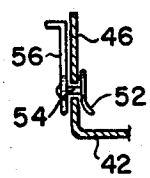


FIG. 5

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DISPENSER HOLDERS

Filed March 3, 1965 2 Sheets-Sheet 2

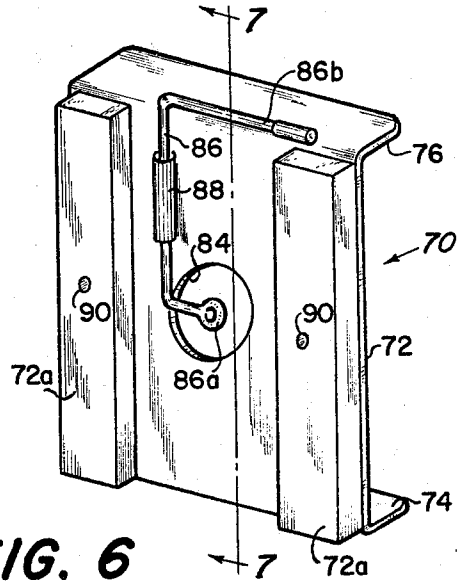


FIG. 6

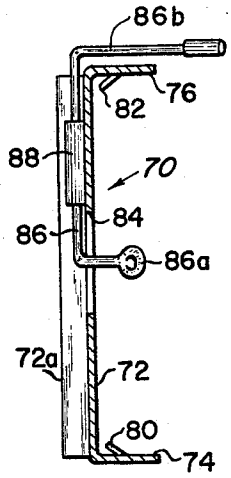


FIG. 7

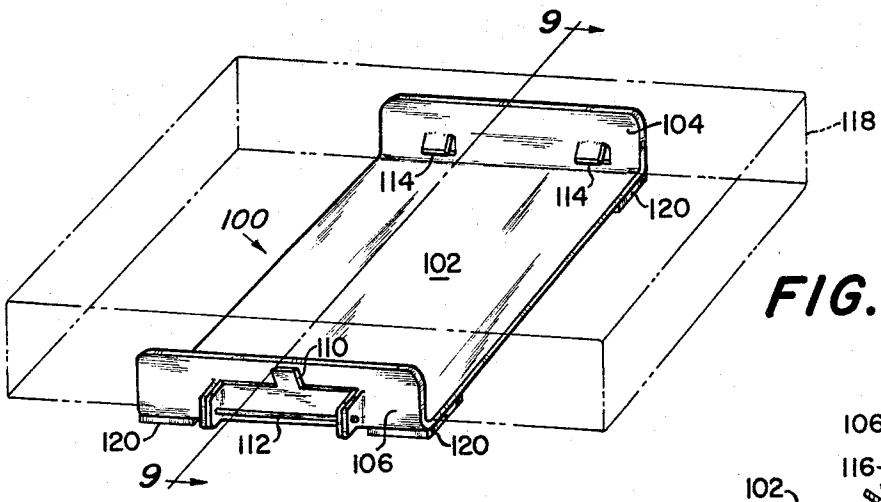


FIG. 8

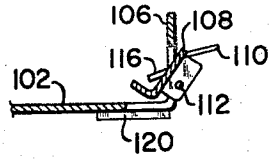


FIG. 10

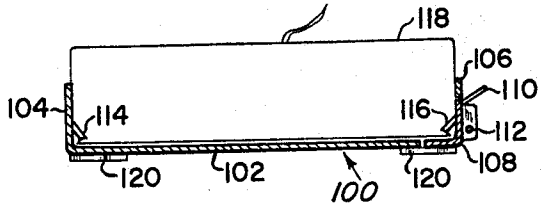


FIG. 9

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3,285,559

DISPENSER HOLDERS

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10 Claims. (Cl. 248—313)

The present invention relates to dispenser holders and more particularly to dispenser holders which may be secured to a fixed structure to removably secure a dispenser of disposable products to the fixed structure.

In modern methods of manufacturing and utilizing products, many disposable products are packed in dispensers which, when the product is completely exhausted, are thrown away. For example, cleansing tissues, paper cups, paper napkins, sandwich bags, and other disposable paper products are usually sold in a pasteboard dispenser which serves to dispense the paper products and can be thrown away when the product is exhausted.

In the use of the product dispensers in the home, in automobiles, in offices, or commercial establishments, it is often convenient to anchor the dispenser to some fixed structure so that the products may be dispensed therefrom easily and so that the location of the dispenser remains fixed. The present invention is directed to providing improved novel dispenser holders which can be secured to a fixed structure and which can removably hold the dispenser so that the product can be dispensed therefrom. When the particular product dispenser is emptied, the dispenser can be readily removed from the holder and a new dispenser, containing a renewed supply of the product, can be substituted in the holder.

The holders of the present invention have novel magnetic or adhesive attachment arrangements whereby the holders are either removably or permanently secured to a structure by adhesive or magnetic attraction. The holders of the present invention also have novel arrangements which hold the dispenser therein. These arrangements provide for flanges which extend downwardly from side walls of the dispenser holder in order to catch the pasteboard wall of the dispenser immediately above the intersection of the pasteboard wall of the dispenser with the pasteboard bottom wall of the dispenser. The dispenser holder has a bottom wall and side walls which snugly engage the respective walls of the dispenser so that when the flanges contact the pasteboard walls, the flanges prevent movement of the dispenser out from the holder.

The holders also have release means which permit the dispensers to be removed from the holders by releasing the flanges from their forceful engagement with the side walls of the dispenser. The release means vary in type, depending upon whether the holder is one designed to be permanently secured to a fixed structure or one that is designed to be removably or temporarily secured to the fixed structure.

With the foregoing considerations in mind, it is an object of the present invention to provide improved dispenser holders.

Another object of the present invention is to provide dispenser holders wherein flanges formed within the holders secure the dispenser onto the holder for use.

Another object of the present invention is to provide dispenser holders which can be secured to a ferrous structure by magnetic attraction.

Another object of the present invention is to provide dispenser holders which can be secured to fixed structures by adhesives.

These and other objects of the present invention will become apparent as this description proceeds in conjunction with the accompanying drawings.

In the drawings:

FIGURE 1 is a perspective view of a dispenser holder of the present invention with a cleansing tissue dispenser shown therein in phantom lines;

FIGURE 2 is a sectional elevation of the dispenser of FIGURE 1 taken along line 2—2 of FIGURE 1;

FIGURE 3 is a sectional elevation, similar to FIGURE 2, of a modified dispenser holder;

FIGURE 4 is a perspective view of another dispenser holder of the present invention having a novel release means;

FIGURE 5 is a sectional view taken along line 5—5 of FIGURE 4 showing details of the release means;

FIGURE 6 is a perspective view of another dispenser holder;

FIGURE 7 is a sectional view of the dispenser holder of FIGURE 6 taken along line 7—7 of FIGURE 6;

FIGURE 8 is a perspective view of another dispenser holder of the present invention having a hinge release means;

FIGURE 9 is a sectional view taken along line 9—9 of FIGURE 8; and

FIGURE 10 is a sectional view similar to FIGURE 9 on an enlarged scale showing a second position of the hinge release means.

Referring to the drawings and particularly to FIGURES 1 and 2, a dispenser holder **10** having a bottom wall **12** and two upstanding end walls **14** and **16** extending generally perpendicularly to bottom wall **12** is shown with a dispenser **18**, indicated in phantom lines, in position therein. Formed on the end wall **14** is a flange **20** and formed on the end wall **16** is a flange **22**.

The flanges **20** and **22** can be best seen in FIGURE 2 wherein they extend downwardly along the end walls **14** and **16** and toward the bottom wall **12**.

The flanges **20** and **22** terminate at a distance A from the bottom wall **12**. This distance, A, is less than one-fourth (¼) inch in all cases. The flanges **20** and **22** shown in the drawings are rounded at their bottom portion. These flanges may also be square, having a flat surface extending generally parallel to the surface of bottom wall **12**.

Release hole **24** is formed throughout bottom wall **12** so that the rear surface of the dispenser **18** may be contacted through the hole **24** to release the dispenser from the holder **10**.

Magnets **26** are positioned within magnet holders **28** that are fixed to either end of the dispenser holder **10**. The magnets **26** are so positioned that their ends protrude in a plane slightly below the plane of bottom wall **12** as best shown in FIGURE 2. The magnets may thus contact the ferrous surface to hold the dispenser holder against the ferrous surface. The release hole is utilized to bow the bottom wall of the dispenser **18** to release the dispenser from the force of flanges **20** and **22**. This releasing feature will be further discussed in conjunction with the description of FIGURE 3.

Because of the shape and location of flanges **20** and **22**, the dispenser side walls are deformed and the flanges **20** and **22** bite into the dispenser side walls and catch the end of the dispenser bottom wall to firmly retain the dispenser **18** within the holder **10**.

Referring to FIGURE 3, a dispenser similar to that shown in FIGURES 1 and 2 is shown except that a different type of securing means for securing the dispenser to a fixed structure is indicated. Because of the similarity of the dispenser of FIGURE 3 with the dispenser of FIGURES 1 and 2, prime suffixes have been added to the reference numerals to indicate the portions of FIGURE 3 which are similar to those of FIGURES 1 and 2.

In FIGURE 3, the bottom wall **12'** and the upstanding end walls **14'** and **16'** receive the dispenser **18'**. The flanges **20'** and **22'**, similar to flanges **20** and **22**, secure the dispenser in position.

The release hole **24'** is formed in bottom wall **12'** to permit release of the dispenser by bowing bottom wall **19'** of dispenser **18'**. As may be seen in FIGURE 3, a person may insert his finger through the release hole **24'** and bow the bottom wall **19'**. This causes the side walls of the dispenser **18'** to be drawn toward each other, thereby releasing the side walls from the force of flanges **20'** and **22'**.

With the dispenser of FIGURE 3, a flexible hook **30** is secured to the dispenser holder. The hook **30** may be hooked over a bed headboard, a visor of an automobile, the backrest of an automobile seat, the arm of a chair, or other convenient structures where tissues may be utilized.

FIGURES 4 and 5 show a dispenser holder **40** having a bottom wall **42** and end walls **44** and **46**. A flange **50** is formed on end wall **44** in a manner generally similar to the flanges of FIGURES 1 through 3. A flange **52** is positioned upon a rotating shaft **54** attached to a lever **56** as is best seen in FIGURE 5. The rotating shaft **54** passes through end wall **46** so that when the lever **56** is in the position shown in FIGURES 4 and 5, the flange is operative to retain the dispenser within the dispenser holder. A stop means **58** is formed on end wall **46** to keep the flange **52** in operative position.

When it is desired to remove the dispenser from the holder **40**, the lever **56** is rotated in a clock-wise direction as viewed in FIGURE 4 until the lever **56** abuts the fixed structure (not shown) to which the dispenser holder **40** is fixed.

The dispenser holder of FIGURES 4 and 5 is designed to be permanently attached to a fixed structure. The permanent attachment can be performed by fixing the dispenser **40** to a fixed structure with screws (not shown) that are positioned through screw-receiving-attaching holes **60** formed in the bottom wall **42**.

When the lever **56** is rotated in a clock-wise direction as viewed in FIGURE 5, the flared portion of the flange **52** is rotated so that the flange **52** is ineffective for retaining the dispenser within the holder **40** and the dispenser can then be pulled from the holder **40**.

FIGURES 6 and 7 show a dispenser holder **70** which has been designed to be permanently attached to a fixed structure. The dispenser holder **70** has a release means which operates similar to the release means shown in FIGURES 1 through 3. The dispenser holder **70** has a bottom wall **72** having elevated portions **72***a* which create a space between the portions **72***a* for housing a release mechanism.

Extending perpendicularly from the bottom wall **72** are end walls **74** and **76** each having a flange **80** and **82**, respectively, fixed thereto. The flanges **80** and **82** are similar to the flanges **20** and **22** shown in FIGURES 1 and 2.

Formed in the bottom wall **72** is a release hole **84** which extends through the bottom wall **72**. A release lever **86** having a dispenser-bowing end **86***a* and an operating end **86***b* is journaled within journal **88** for rotation to the bottom wall **72**. The journal **88** is fixed to the bottom wall **72**. The dispenser-bowing end **86***a* and the operating end **86***b* of release lever **86** are positioned within the same plane.

When a dispenser is in position within the holder **70**, the release lever **86** lies flat in the position shown in FIGURE 6. When it is desired to release the dispenser from the holder **70**, the operating end **86***b* of lever **86** is rotated so that the dispenser-bowing end **86***a* of lever **86** contacts the dispenser and bows the bottom wall in a manner similar to that shown in FIGURE 3. The dispenser is then released from the grip of flanges **80** and **82**.

The screw-receiving-attaching holes **90** are formed in the bottom wall **72** so that dispenser holder **70** may be permanently fixed to a structure.

FIGURES 8, 9 and 10 show another type of dispenser holder **100**. Dispenser holder **100** has a bottom wall **102**, an end wall **104** and an end wall **106**. End wall **106** has a hinge portion **108** formed therein. Fixed to the hinge portion **108** is release lever **110**. The hinge portion **108** is pivotally secured to the end wall **106** by hinge pivot pin **112**.

Formed on the end wall **104** are flanges **114**. These flanges are generally similar to the flanges **20** and **22** of FIGURES 1 and 2, but they are formed in square fashion having edges running parallel to bottom wall **102**.

A second pair of flanges **116**, similar to the flanges **114**, are formed on the hinge portion **108** of end wall **106**.

When the dispenser **118** is in position within the holder **100**, the hinge portion **108** aligns itself with the end wall **106** in the position shown in FIGURE 9. When it is desired to release the dispenser **118** from the holder **100**, the release lever **110** is moved to pivot the hinge portion **108** about pivot pin **112**. The hinge portion **108** then assumes the position shown in FIGURE 10 and the dispenser **118** is ejected from the holder **100**.

The dispenser **100** is designed to be permanently affixed to a structure by adhesive pads **120** attached to each corner of the bottom wall **102**.

Other types of adhesive connections of the dispenser holders of the invention can be utilized to permanently or temporarily secure the dispenser holders to fixed structures. Adhesive strips may be utilized to fasten the dispenser holders to fixed structures.

It should be noted that dispenser holders built according to the present invention can be utilized for pasteboard dispensers of all types, including tissue dispensers, wax paper dispensers, cereal boxes, napkin boxes, and the like.

According to the provisions of the patent statutes, I have explained the principle, preferred construction and mode of operation of my invention and have illustrated and described what I now consider to represent its best embodiments. However, I desire to have it understood that, within the scope of the appended claims, the invention may be practiced otherwise than as specifically illustrated and described.

I claim:

1. A dispenser holder for mounting a pasteboard dispenser onto a fixed structure comprising:

(a) a dispenser receiving body portion having a bottom wall and at least two parallel end walls extending perpendicularly therefrom to snugly receive a pasteboard dispenser so that said bottom wall and said two end walls are each in snug contact with walls of said dispenser;

(b) flanges formed on the dispenser-contacting surfaces of each of said end walls and extending inwardly toward each other and downwardly toward said bottom wall, said flanges terminating less than one-fourth of an inch from said bottom wall and being so positioned that they prevent said dispenser from being removed from said body portion; and

(c) mounting means on said body portion to secure said body portion to a supporting structure.

2. A dispenser holder for mounting a pasteboard dispenser onto a fixed structure comprising:

(a) a dispenser receiving body portion having a bottom wall and at least two parallel end walls extending perpendicularly therefrom to snugly receive a pasteboard dispenser so that said bottom wall and said two end walls are each in snug contact with walls of said dispenser;

(b) flanges formed on the dispenser-contacting surfaces of each of said end walls and extending inwardly toward each other and downwardly toward said end wall, said flanges terminating less than one-fourth of an inch from said bottom wall and being so positioned that they prevent said dispenser from being removed from said body portion;

(c) release means associated with said holder body

portion to release said pasteboard dispenser from said body portion; and

(d) mounting means on said body portion to secure said body portion to a supporting structure.

3. The dispenser holder of claim 1 wherein said mounting means on said body portion are permanent magnets for attaching said body portion to a ferrous structure.

4. The dispenser holder of claim 1 wherein said mounting means is a flexible hook adapted to hook said body portion to a supporting structure.

5. The dispenser holder of claim 1 wherein said mounting means is an adhesive material fixed to said body portion to adhesively secure said body portion to a supporting structure.

6. The dispenser holder of claim 1 wherein said mounting means are holes adapted to receive screws for permanently fixing said body portion to a supporting structure.

7. A dispenser holder for mounting a pasteboard dispenser onto a fixed structure comprising:

(a) a dispenser receiving body portion having a bottom wall and at least two parallel end walls extending perpendicularly therefrom to snugly receive a pasteboard dispenser so that said bottom wall and said two end walls are each in snug contact with walls of said dispenser;

(b) one of said end walls having a hinged portion formed therein so that said hinged portion may be moved out of the plane of said end wall about said hinge pivot pin;

(c) flanges formed on the dispenser-contacting surface of one of said end walls and on said hinged portion of said other end wall, said flanges extending inwardly toward each other and downwardly toward said bottom wall, said flanges terminating less than one-fourth of an inch from said bottom wall and being so positioned that they prevent said dispenser from being removed from said body portion;

(d) said flanges on said end wall hinge portion being moved out of contact with said dispenser when said hinged portion is pivoted out of the plane of said end wall about said hinge pin; and

(e) mounting means on said body portion to secure said body portion to a supporting structure.

8. A dispenser holder for mounting a pasteboard dispenser onto a fixed structure comprising:

(a) a dispenser receiving body portion having a bottom wall and at least two parallel end walls extending perpendicularly therefrom to snugly receive a pasteboard dispenser so that said bottom wall and said two end walls are each in snug contact with walls of said dispenser;

(b) flanges formed on the dispenser-contacting surfaces of each of said end walls and extending inwardly toward each other and downwardly toward said end wall, said flanges terminating less than one-fourth of an inch from said bottom wall and being so positioned that they prevent said dispenser from being removed from said body portion;

(c) a release hole formed in said holder body portion bottom wall so that said pasteboard dispenser may be contacted therethrough to bow a wall of said dispenser and release said dispenser from said flanges and from said body portion; and

(d) temporary mounting means on said body portion to removably secure said body portion to a supporting structure.

9. A dispenser holder for mounting a pasteboard dispenser onto a fixed structure comprising:

(a) a dispenser receiving body portion having a bottom wall and at least two parallel end walls extending perpendicularly therefrom to snugly receive a pasteboard dispenser so that said bottom wall and said two end walls are each in snug contact with walls of said dispenser;

(b) flanges formed on the dispenser-contacting surfaces of each of said end walls and extending inwardly toward each other and downwardly toward said end wall, said flanges terminating less than one-fourth of an inch from said bottom wall and being so positioned that they prevent said dispenser from being removed from said body portion;

(c) a release hole formed in said holder body portion bottom wall, a release lever pivotally secured to said body portion and having a dispenser-bowing end which may be brought into contact with said dispenser through said release hole to thereby bow said dispenser and release said dispenser from said flanges and from said body portion; and

(d) permanent mounting means in said body portion to fix said body portion to a supporting structure.

10. A dispenser holder for mounting a pasteboard dispenser onto a fixed structure comprising:

(a) a dispenser receiving body portion having a bottom wall and at least two parallel end walls extending perpendicularly therefrom to snugly receive a pasteboard dispenser so that said bottom wall and said two end walls are each in snug contact with walls of said dispenser;

(b) flanges on the dispenser-contacting surfaces of each of said end walls and extending inwardly toward each other and downwardly toward said end wall, said flanges terminating less than one-fourth of an inch from said bottom wall and being so positioned that they prevent said dispenser from being removed from said body portion, one of said flanges being fixed to a rotating shaft extending through one of said end walls;

(c) release means comprising a lever fixed to said rotating shaft and adapted to rotate said shaft and said flange fixed thereto to thereby render said flange ineffective to prevent said dispenser from being removed from said body portion and to release said pasteboard dispenser from said body portion; and

(d) permanent mounting means on said body portion to fix said body portion to a supporting structure.

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