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[54] **CATHETERIZATION PACKAGE**

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[52] **U.S. Cl.** ..... **128/275,** 206/63.2 R

[51] **Int. Cl.** **A61f 5/44**

[58] **Field of Search**..... 128/275, 295, DIG. 24; 206/63.2 R, 63.2 A

[56] **References Cited**

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[57] **ABSTRACT**

A catheterization package comprising a rigid container including a generally flat rear panel and a front panel parallel to and spaced from one another with a top wall, side walls and a bottom wall extending therebetween, said front panel having a recessed catheter drainage port with a catheter connected thereto adjacent the upper and one side wall of said container, said catheter being positioned within an open sided recess in said one wall with said port at one end thereof, a container drainage port having a removable closure positioned in said front wall adjacent the upper and the other side wall of said container, a plurality of discrete recesses in said front wall carrying therein a plurality of catheterization components and cover means releasable retained adjacent said front wall for retaining said components including said catheter within their individual recesses, said container upon removal of said components being utilized for collection of liquid drained through said catheter.

5 Claims, 3 Drawing Figures

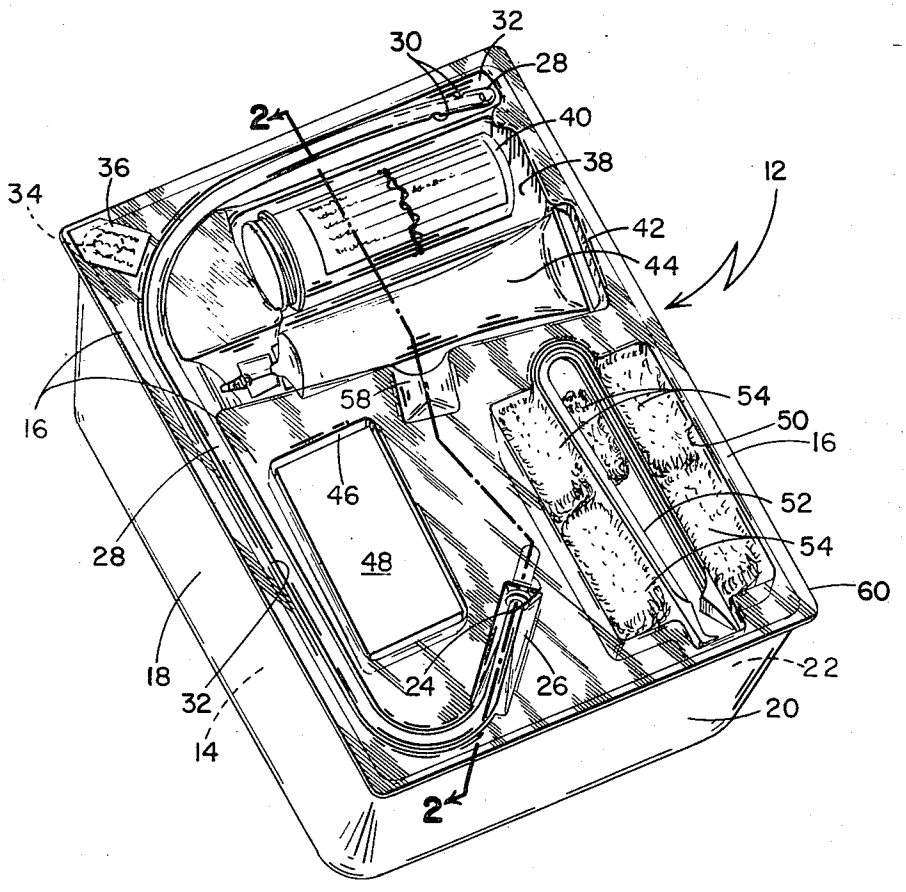


FIG 1

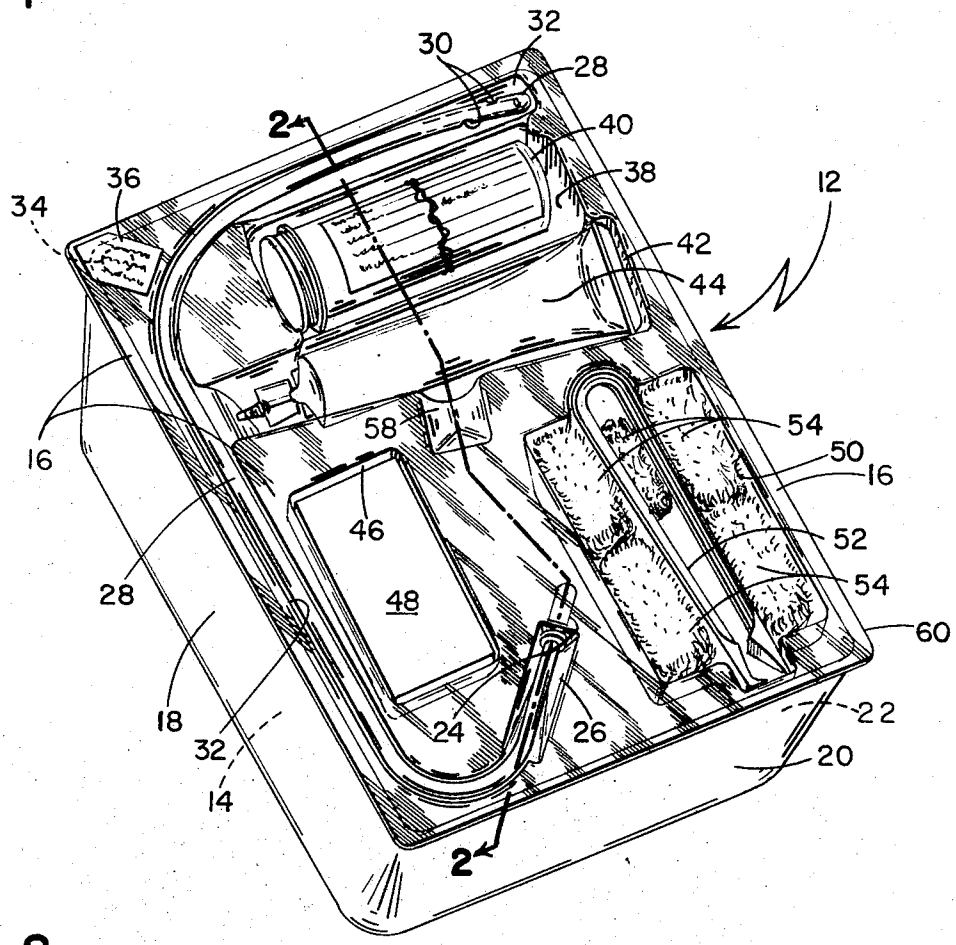
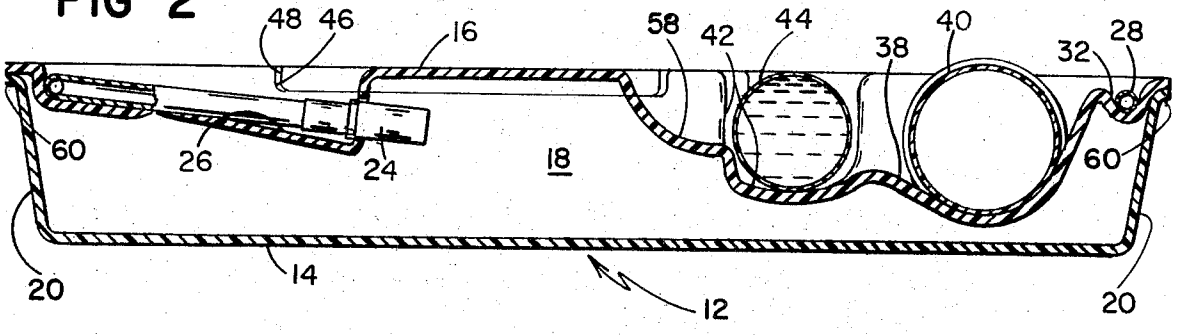


FIG 2



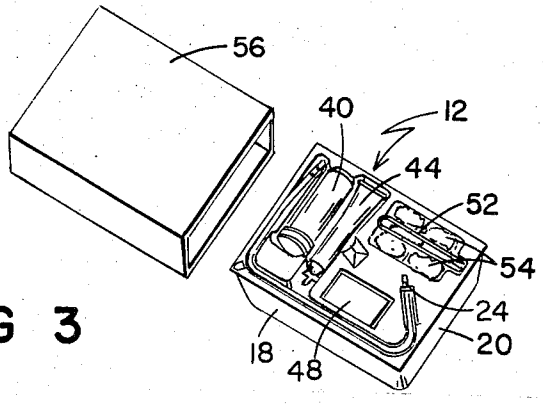


FIG 3

CATHETERIZATION PACKAGE

This invention relates to a catheterization package and more particularly to one in which the package itself has the catheter connected to it and, after removal of the catheterization components, is utilized for collection of liquid drained through the catheter.

Single use disposable packages in the form of sterile trays containing all the components needed for a particular hospital procedure have been used to some extent but, especially with catheterization procedures, tend to be somewhat unsatisfactory because of the bulky collection container needed.

Accordingly, it is an object of this invention to provide a novel catheterization package including all the necessary components arranged for convenient use, and in which the bulk of the collection container does not present a problem.

This is accomplished according to the present invention by providing a catheterization package comprising an enclosed rigid container, including a rigid rear panel and a rigid front panel spaced from one another with a rigid top wall, rigid side walls and a rigid bottom wall extending therebetween, the rigid front wall having a recessed catheter drainage port with a catheter connected thereto adjacent the upper and one side wall of the container, the catheter being positioned within an open sided recess in said one wall with the port at one end thereof, the container itself being utilized for collection of liquid drained through the catheter. The container may include a plurality of discrete recesses in the front wall carrying therein a plurality of catheterization components and cover means releasably retained adjacent the front wall for retaining the components including the catheter within their individual recesses. Also, preferably the catheter drainage port is adjacent the upper wall and one side wall of the container and there is provided a container drainage port adjacent the upper wall and the other side wall of the container.

For the purpose of more fully explaining the above and still further objects and features of the invention, reference is now made to the following detailed description of a preferred embodiment thereof, taken in connection with the accompanying drawings, wherein:

FIG. 1 is a perspective view of the catheterization package of the invention with the cover removed therefrom;

FIG. 2 is a cross section of the package of FIG. 1, taken on the line 2—2 thereof, and;

FIG. 3 is an exploded isometric view showing the package of FIG. 1 with its cover.

Referring to the drawings, in FIGS. 1 and 2 is illustrated the preferred embodiment of the catheterization package of the invention. In general it comprises an enclosed rigid container, generally designated 12 having a generally flat rear panel 14 and front panel 16 parallel to and spaced from one another with a top wall 18, side walls 20 and a bottom wall 22 extending therebetween.

In order to utilize the container 12 for collection of body liquid in accordance with the invention, rigid front panel 16 is provided with a catheter drainage port having a fitting 24 permanently mounted in front panel 16 adjacent upper wall 18 and one side wall 20 within catheter drainage port recess 26. A conventional catheter 28 having apertures 30 in its free end is connected

to fitting 24 and is positioned within open sided catheter recess 32 formed in front panel 16. Catheter recess 32 is connected to catheter drainage port recess 26 to provide a recess of extended length having the catheter drainage port at one end thereof and curving along front panel 16 adjacent top wall 18 and opposite end wall 20 to accommodate the full length of catheter 28 adjacent or below the plane of front panel 16. A container drainage port 34 having a pealable cover 36 is positioned in front panel 16 adjacent upper wall 18 and side wall 20 opposite that one adjacent the catheter drainage port.

In order to accommodate the various components utilized in a catheterization procedure, front panel 16 is provided with a plurality of discrete recesses for carrying said components below or adjacent the plane of front panel 16. Thus, there is provided a recess 38 for carrying a sample bottle 40 therein, a recess 42 having a finger access portion 58 for carrying a tube 44 of antiseptic, a recess 46 for carrying a pocket 48 of lubricating jelly and a recess 50 for carrying plastic forceps 52 and cotton balls 54. Other flat folded components, not shown, may simply be positioned overlying front panel 16.

A cover 56, shown in the exploded view of FIG. 3, is provided in the form of a rectangular cardboard open ended tube which may be slid around container 12 to releasably retain said components inlcuding any flat folded components as well as catheter 28 within their individual recesses until needed for use. A further sterile overwrap, not shown, may be provided as desired. Alternatively, the top section may be covered by a peel-off lid, and tube cover 56 dispensed with.

Container 12 may best be constructed in two parts, one in the form of an open sided tray including rear panel 14, upper wall 18, side walls 20 and lower wall 22 with a rim 60 around the periphery thereof and the other including front panel 16 with the recesses therein. Front panel 16 is of suitable dimensions to overlap rim 60 for waterproof attachment thereto by any suitable means. Both parts may desirably be molded of rigid plastic sheet material, and at least front panel 16 should be transparent. If desired, the entire unit can be formed by blow molding or double vacuum forming so as to be of continuous wall construction.

In use, upon removal of the components, container 12 may be hung by any suitable means with its upper wall 18 positioned upwardly to function in the conventional manner for collection of body liquid drained through catheter 28. In addition, the catheter can be removed from the catheter drainage port during urine voiding, pinched off to allow collection of a sample in sample bottle 40, and then reinserted into the port. This can be done aseptically, thus allowing collection of mid-stream sample.

What is claimed is:

1. A catheterization package comprising

an enclosed rigid container including a rear panel and a rigid front panel spaced from one another with a top wall, side walls and a bottom wall extending therebetween

said front panel having a recessed catheter drainage port with a catheter connected thereto adjacent the upper and one side wall of said container, said catheter being positioned within an open sided recess in said front panel with said port at one end thereof

said container being utilized for collection of liquid drained through said catheter.

2. A catheterization package as claimed in claim **1**, further comprising

a plurality of discrete recesses in said front panel carrying therein a plurality of catheterization components and

cover means releasably retained adjacent said front panel for retaining said components including said catheter within their individual recesses.

3. A catheterization package as claimed in claim **1**, further comprising

a container drainage port having a removable closure in said container.

4. A catheterization package as claimed in claim **3** wherein

said catheter drainage port is adjacent the upper wall and one side wall of said container and

said container drainage port is adjacent the upper wall and the other side wall of said container.

5. A catheterization package comprising

an enclosed, rigid container including a generally flat

rear panel and a rigid front panel parallel to and spaced from one another with a top wall, side walls and a bottom wall extending therebetween

said front panel having a recessed catheter drainage port with a catheter connected thereto adjacent the upper and one side wall of said container, said catheter being positioned within an open sided recess in said front panel with said port at one end thereof

a container drainage port having a removable closure positioned in said front panel adjacent the upper and the other side wall of said container

a plurality of discrete recesses in said front panel carrying therein a plurality of catheterization components and

cover means releasably retained adjacent said front panel for retaining said components including said catheter within their individual recesses

said container upon removal of said components being utilized for collection of liquid drained through said catheter.

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