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H. F. CARROLL
COLOSTOMY CLOSURE OR GUARD

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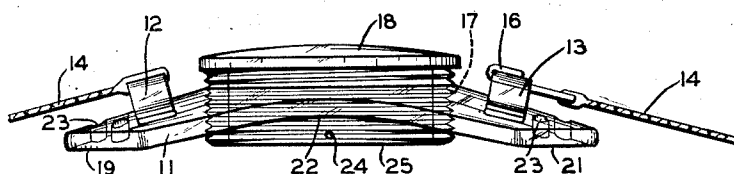
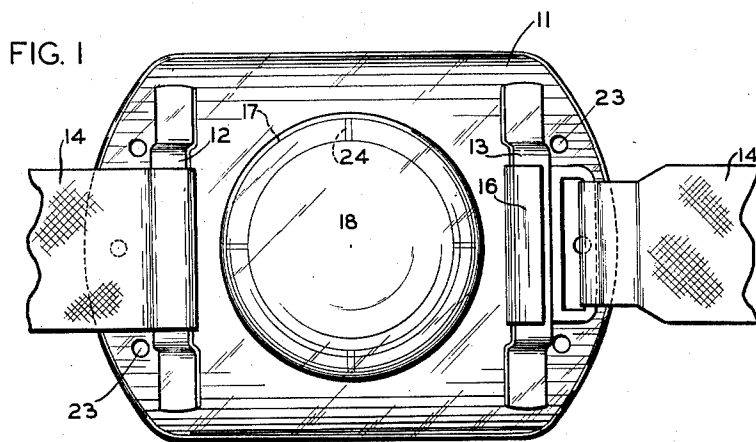
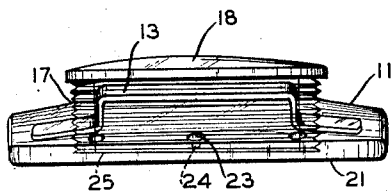


FIG. 2

FIG. 3



INVENTOR
HARRY F. CARROLL
BY *John H. Cassidy*
ATTORNEY

UNITED STATES PATENT OFFICE

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COLOSTOMY CLOSURE OR GUARD

Harry F. Carroll, St. Louis, Mo.

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3 Claims. (Cl. 128—283)

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This invention relates to a surgical appliance more particularly described as a colostomy closure or guard.

It is an object of the invention to provide a colostomy guard having a colostomy cup which is adjustably positionable with respect to the colostomy opening it closes or protects.

Another object of the invention is to provide a colostomy guard which reduces to a minimum the surface area of the device contacting the body of the wearer.

Still another object of the invention is to provide a colostomy guard which is neat in appearance, is entirely sanitary and which is shaped so as not to present or cause objectionable bulges in the clothing of the wearer.

Other objects and advantages will become apparent as the specification proceeds and a more comprehensive understanding of the invention will be afforded from the following detailed description when considered in conjunction with the accompanying drawing, in which

Figs. 1, 2 and 3 are, respectively, top, side and end views of a colostomy guard embodying the instant invention.

In brief, the invention is embodied in a colostomy plate which is held in position by means of a web or elastic belt passed around the body of the wearer. Into the abdominal plate there is threaded a single piece colostomy cup which, when screwed into position in the plate, passes an open end of the cup to encircle a colostomy opening in the abdominal wall against which the plate is held. Both the abdominal plate and the colostomy cup are vented for a purpose well known in the art.

While no particular emphasis is placed upon the material used and no claim is made thereto, the guard is preferably made of a suitable transparent plastic and includes a concaved abdominal plate 11. To the outer surface of the abdominal plate there are fixed two clamp brackets 12 and 13 which provides attaching means for a web or elastic belt 14 by means of which the abdominal plate is held in its customary position on the body of the wearer. One end of the belt 14 is permanently attached to the clamp bracket 12 and the other end of the belt is disconnectedly attached to the bracket 13 by a removable clamp 16.

The abdominal plate 11 is provided with a centrally disposed threaded opening 17 into which is threaded a colostomy cup fitting 18.

As shown in the various views the abdominal plate 11, which is oblong, is formed with a con-

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cavity in a manner such that the two underend surfaces 19 and 21 are adapted to be pressed tightly against an abdominal wall when the guard is held in its customary position of use. Due to the concavity of the plate, the centrally disposed undersurfaces 22 of the plate 11 are spaced from and lie outwardly from the abdominal wall thus reducing the contacting surfaces of the abdominal plate to a minimum area defined by the ends 19 and 21 of the plate.

Additionally, the abdominal plate 11 is provided with a series of vent holes 23 which are so positioned as to communicate with a substantially open space lying between the centrally disposed concave surface 22 of the abdominal plate 11 and the abdominal wall against which the same is held when in use. Similarly, the colostomy cup 18 is provided with a plurality of vent holes 24 also opening into the space just defined. In this manner provision is made for the escape of gases outwardly from the colostomy opening through and from the guard.

As best viewed in Fig. 2, the particular mounting of the colostomy cup 18, that is, its threaded engagement with the abdominal plate 11, provides the means through which the open end walls 25 of the colostomy cup 18 may be adjustably urged against an abdominal wall to encircle a colostomy opening therein. Although no limitation is intended, it is to be pointed out that a cup approximately two inches in diameter gives very satisfactory results, providing adequate protection and maximum comfort. Further, the cup may be replaced by a threaded fitting leading to a drain bag. With the usual patient, and under usual circumstances, this is not required, but such provision is practicable and intended for the unusual patient, or under necessary circumstances.

Although the guard has been described primarily as a colostomy guard, it is to be pointed out that the same provides other uses in its customary manner for enclosing and protecting post-operative drains. In connection with any of the uses to which the device may be put, the colostomy cup 18 is adapted to receive absorbent pads either treated or untreated.

Due to the fact that the colostomy cup 18 is adjustably positioned in the abdominal plate 11, its closing position can be set very accurately to exert only sufficient pressures to close the colostomy. The device is adjustable to the individual requirements of patients of different anatomical builds.

Various changes may be made in the details of

construction, within the scope of the appended claims, without departing from the spirit of this invention. Parts of the invention may be used without the whole and improvements may be added while retaining some or all of the advantages of the invention.

What is claimed is:

1. A colostomy guard comprising an oblong concaved abdominal plate presenting outer edges adapted to be pressed tightly against an abdominal wall and central surfaces adapted to be spaced from said wall, said plate further having a plurality of vent holes made therein to communicate with a space between said plate and said walls, internal threads about a centrally disposed opening in the plate, a colostomy cup having threads engaging the threads in said centrally disposed opening of said plate to cause an open end of the cup to encircle a colostomy opening in said abdominal wall and bear against the wall with adjustable pressures, said cup having a plurality of vent holes made therein communicating with said space between said plate and said wall, and a belt attached to said plate for holding the same in position against said abdominal wall.

2. A colostomy guard comprising a concave abdominal plate presenting outer edges adapted to be pressed tightly against an abdominal wall surrounding a colostomy opening and an inner surface bounded by said edges spaced beyond said abdominal wall, said plate having a centrally disposed opening, internal threads in said opening, a belt for holding said plate in position as aforesaid on the body of a wearer, a cylindrical

fitting having an inner edge to engage and press about the colostomy opening, and threads on the fitting engaging in said threads of the centrally disposed opening whereby the pressure exerted thereby may be adjusted to the wearer.

3. A colostomy guard comprising a concave abdominal plate presenting outer edges adapted to be pressed tightly against an abdominal wall surrounding a colostomy opening and an inner surface bounded by said edges spaced beyond said abdominal wall, said plate having a centrally disposed opening, internal threads in said opening, a belt for holding said plate in position as aforesaid on the body of the wearer, a cylindrical cup with an open end presenting a circumferential edge to engage and press about the colostomy opening, and threads on the periphery of the cup engaging in the threads of the opening whereby the pressure exerted by the edge of the open end may be adjusted to the wearer.

HARRY F. CARROLL.

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