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ILEOSTOMY APPLIANCE

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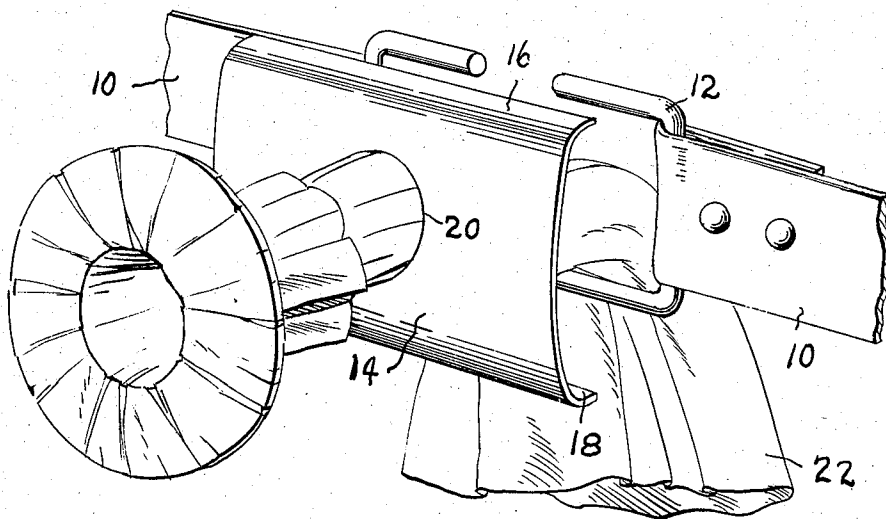


Fig. 1

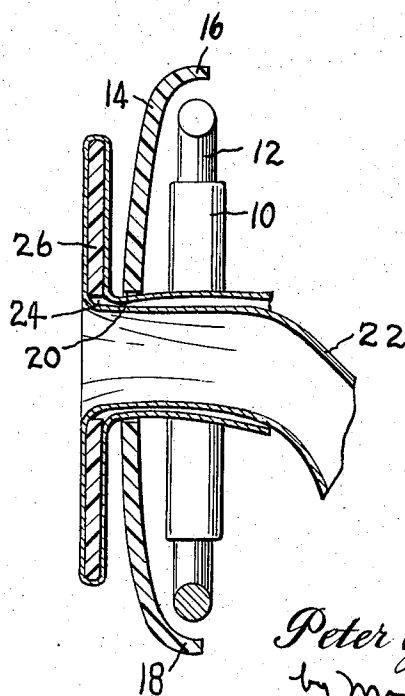


Fig. 2

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1

2,906,266

ILEOSTOMY APPLIANCE

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Application July 22, 1957, Serial No. 673,284

2 Claims. (Cl. 128—283)

This application is a continuation-in-part of my copending application, Serial No. 602,605, filed August 7, 1956 and later abandoned. The invention relates to ileostomy appliances. It is an object of the invention to provide an improved device to be worn against the body to support a bag or other suitable receptacle to catch the discharge from a stoma, which device is simple, comfortable and easy to manipulate. For a more complete understanding of the invention, reference may be had to the following description thereof, and to the drawings, of which

Figure 1 is a perspective view of an embodiment of the invention as it is being assembled with a bag; and

Figure 2 is a sectional view of the same when assembled with a bag.

The appliance is adapted for use with an elastic belt 10 of soft rubber or an equivalent to hold it firmly but yieldingly against the abdomen. The ends of the rubber belt may be looped over or otherwise secured to a rectangular coupling member 12 which may conveniently be a piece of stiff wire bent to shape, the ends of the wire being spaced to enable the user to lift a bag clear without pulling it through the coupling member.

A plate 14 is provided to be behind the coupling member 12 so as to be pressed by that member. The plate is of any convenient rigid or semi-rigid material such as an acrylic polymer, nylon, cellulose acetate, or an equivalent, the plate having sufficient thickness to be fairly stiff. To minimize discomfort for the wearer, the plate is slightly arched and the upper and lower margins 16, 18 are curled forward so that no sharp edges will be pressed against the body even when the wearer is bending forward.

The plate 14 has a central aperture or hole 20, preferably about an inch in diameter.

2

The upper portion of a suitable bag 22 of thin waterproof material, e.g., polyethylene, which is limp and flexible is thrust through the hole 20 and also through a similar hole 24 in an annular disk 26 of rigid or semi-rigid material, preferably a synthetic resin. The portion of the bag adjacent to the mouth, which has been gathered so that it can be passed through the holes 20 and 24, is opened out and passed around the rim of the disk 26, then gathered again and thrust forward through the hole 20 as indicated in Figure 2.

When the appliance is in use, the belt 10 presses the disk 26 against the abdomen of the wearer, the disk itself being completely covered by the neck portion of the bag 22. When the belt is taken off, the bag is easily detached and can be quickly replaced by another.

What is claimed is:

1. In an ileostomy appliance a plate having a central aperture and margins curved forward from the central portion thereof, a flexible annular disk behind said plate having a central aperture of approximately the same size as the aperture in the plate, and a bag of limp waterproof material extending back through both of said apertures, then around the periphery of said disk and forward through the aperture in the plate.

2. In an ileostomy appliance, a rectangular plate having a central aperture and upper and lower margins curved forward from the central portion thereof, a flexible annular disk behind said plate having a central aperture of approximately the same size as that of the plate, a coupling member against the forward face of said plate between said curved margins, said coupling member consisting of a rigid rectangular loop of stiff wire with spaced ends leaving an opening in the top of the loop, and a bag of limp waterproof material extending back through said loop and the apertures in said plate and disk, then around the periphery of the disk and forward through the plate aperture and the loop.

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