

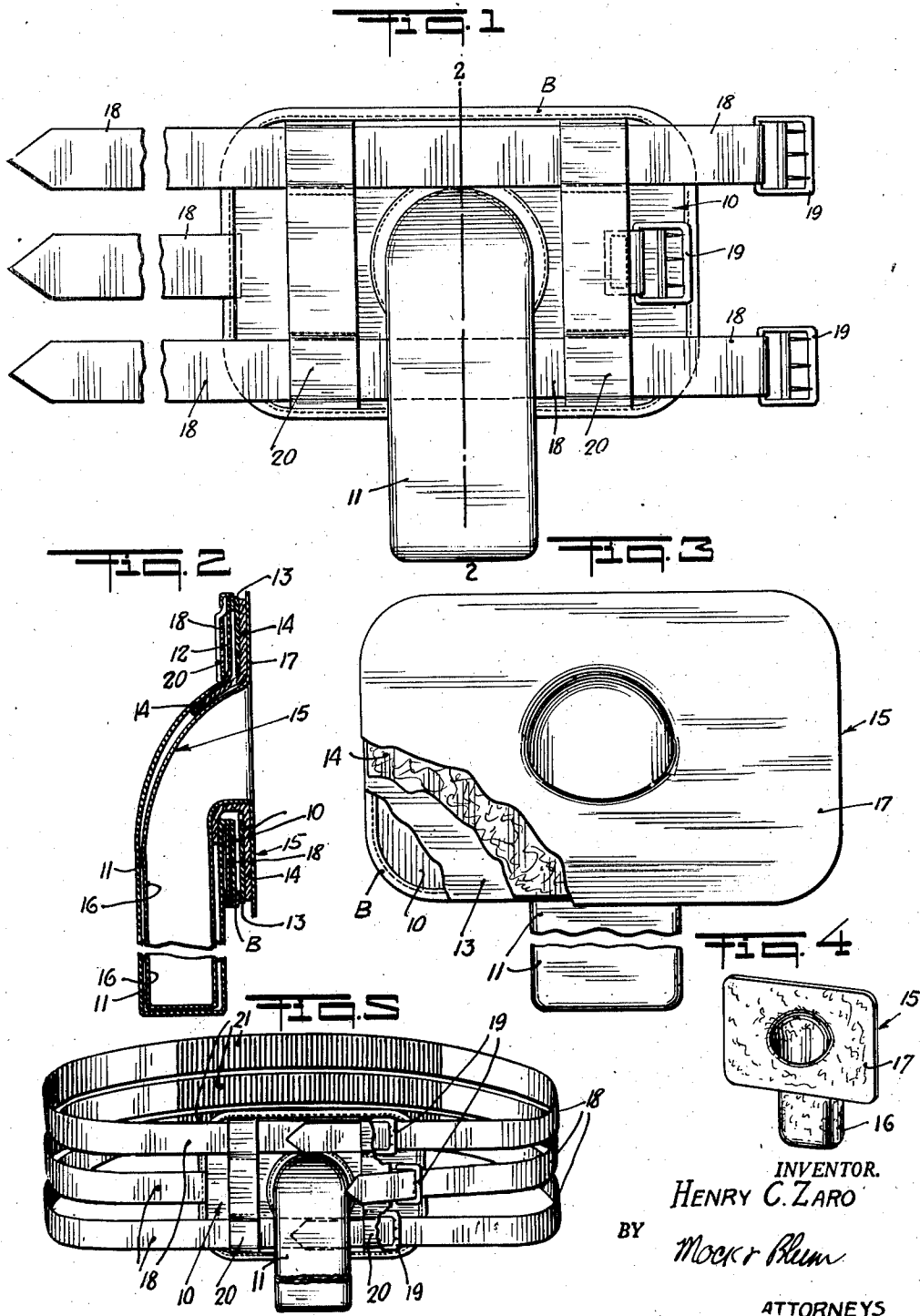
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COLOSTOMY APPLIANCE

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COLOSTOMY APPLIANCE

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2 Claims. (Cl. 128—283)

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My invention relates to a new and improved colostomy appliance or device. The principal object thereof is to provide a colostomy appliance which has impermeable disposable means whereby the device can always be maintained in a sanitary usable condition.

Another object of my invention is to provide a colostomy appliance or device having comfortable holding means whereby the device may be securely and comfortably supported around the body of the wearer.

Another object of my invention is to provide a unitary and compact colostomy device which is especially adaptable and efficient for the purpose for which it is intended.

Still another object of the invention is to provide a new and improved colostomy unit which is comparatively light in weight, not cumbersome, and so constructed and assembled that it will be kept sanitary and comfortable at all times.

Other objects of my invention will be stated in the annexed description and drawings which illustrate a preferred embodiment thereof.

Fig. 1 is a front elevational view of the improved device, the supporting straps being shown in extended position and partially broken away.

Fig. 2 is a sectional view on the line 2—2 of Fig. 1.

Fig. 3 is a rear view of the device, shown partially broken away to more fully illustrate the component parts thereof, the supporting straps not being shown for the convenience of illustration.

Fig. 4 is a perspective view of the disposable receptacle member.

Fig. 5 is a perspective view of the complete device with the supporting straps shown in closed position.

As shown in the said drawings, the device comprises a holder member 10 of generally rectangular shape. The said holder has its exposed faces covered by rubber or a rubberized material or fabric or any other suitable impervious material. Said holder 10 may be formed of a sheet of heavy rubber or it may be constructed with a filter of any suitable flexible material with the exposed faces of the said filler covered by rubber or rubberized material. As shown in Fig. 1, a marginal binding B is secured by stitching to the marginal edges of holder 10 to present a neat and finished appearance to the holder.

Holder 10 is provided with a central opening. A depending receptacle member 11, closed at its bottom end, is secured to holder 10 adjacent the marginal edge of the opening. As shown in Fig. 2,

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the open end of receptacle 11 is provided with an annular marginal edge which is secured by an adhesive or in any suitable manner intermediate the front and rear rubber faces of holder 10. Receptacle 11 is made of the same material that holder 10 is formed of, preferably any impervious and impermeable material. It will be noted that receptacle 11 is perpendicular to the longitudinal axis of holder 10 and extends substantially below the bottom longitudinal edge thereof. In effect, said member 11 is an extension of holder 10. Member 11 can therefore be formed integrally with holder 10 if made of rubber. If made of leather or the like, member 11 can be secured to holder 10 as shown in Fig. 2. The open end of receptacle 11 is circular in cross-section and said receptacle 11 becomes rectangular in cross-section as it extends downwardly.

For convenience, the face of the holder 10 from which receptacle 11 projects, is designated as the front face of said holder 10, the face having the opening is designated as the rear face thereof.

As shown in Figs. 2 and 3, a rubber sheet 13 is superposed on the rear face of holder 10, said sheet 13 being provided with a central opening which registers with the opening in holder 10. Said member 13 is substantially of the same size, shape and contour as the rear face of holder 10. In the assembled position shown in Figs. 2 and 3, the rear face of sheet 13 abuts the rear face of holder 10.

A pad of cellu-cotton 14 is superposed on the front face of rubber sheet 13, said pad being provided with a plurality of centrally located radially disposed serrated incisions extending there-through. The purpose of providing pad 14 is to provide absorbent means in the event of seepage or the like and to render the device more comfortable for the wearer. The rear face of pad 14 abuts the front face of rubber sheet 13.

Members 13 and 14 are assembled with holder 10 and are removably secured to said holder 10 by the disposable receptacle member 15. As shown in Fig. 3, the receptacle 15 is substantially identical in configuration and size with holder 10 and its extension 11. Receptacle 15 is provided with a downwardly depending portion 16 and a collar 17 which is integral with the same the plane of said collar being substantially parallel to the longitudinal axis of said depending portion.

In the assembled position shown in Figs. 2 and 3, the front face of collar 15 abuts the front face of the cellu-cotton pad 14. As is clearly

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shown in Fig. 2, the serrated incisions formed in said cellu-cotton pad 14 are forced into receptacle 11 when portion 16 of the disposable receptacle member 15 is passed through the same. In this manner said serrations are located intermediate members 11 and 16 (see Fig. 2) and form a barrier to prevent escape of body gases, odors, noises, etc. Portion 16 also passes through the opening in rubber sheet 13 and extends into receptacle member 11, thus retaining members 13 and 14 on the holder 10.

Disposable receptacle member 15 is preferably made of any waterproof paper or any similar and impermeable material so that after the device is used, the said paper receptacle can be removed and discarded and a fresh one inserted so that the device can be maintained sanitary at all times.

As shown in Figs. 1 and 5, the device is provided with a plurality of longitudinal straps 18, each being provided with the usual buckles 19, whereby the device can be worn around and secured to the body of the wearer. The said straps 18 are slidably secured to holder 10 by means of the transverse strips 20 which are secured to the front face of holder 10 by stitching the same adjacent the longitudinal edges of said straps, thus forming a plurality of loops in which said straps are slidably held. These loops may be integral with holder 10 and can be formed by making a number of aligned incisions in the front wall thereof.

In order not to inconvenience the wearer, buckles 19 are of such a size that they may be slipped under the loops formed in strips 20, as is clearly shown in Fig. 5. In this manner, there are no exposed metal parts to annoy the wearer.

As a further means of comfort to the wearer, I form the central portion of each of straps 18 of a resilient, yieldable and stretchable material 21, such as any suitable elastic material or fabric. This affords additional comfort for the back of the wearer. In order to further enhance the wearer's comfort, portions 21 are positioned to

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overlap each other when the device is secured to the body of the wearer.

I provide a plurality of straps 18 (preferably three) so as to be certain that the device will be held in close contact with the body. This is important to prevent the escape of any undesirable body gases, odors, noises, etc. To assure a close fit, I provide a strap adjacent the upper and lower longitudinal edges of holder 10.

The entire device when worn will not be cumbersome or conspicuous in view of the configuration of receptacle member 11.

I claim:

1. A colostomy appliance comprising a holder 15 having an opening, a receptacle secured to said holder and depending from said opening, a replaceable receptacle having a flat collar surrounding an opening, and having an excrement receiving bag depending from said latter opening through said first opening into said first receptacle, an absorbent pad having an opening and having a flat part surrounding said latter opening and being positioned between said holder and said collar and having a tubular part extending from said latter opening into said first receptacle, said pad being separated by said bag from any received excrement, and means supporting said holder and adapted to secure said appliance to the body of the wearer.

2. A colostomy appliance as claimed in claim 1, said tubular part having radially disposed serrated incisions.

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