

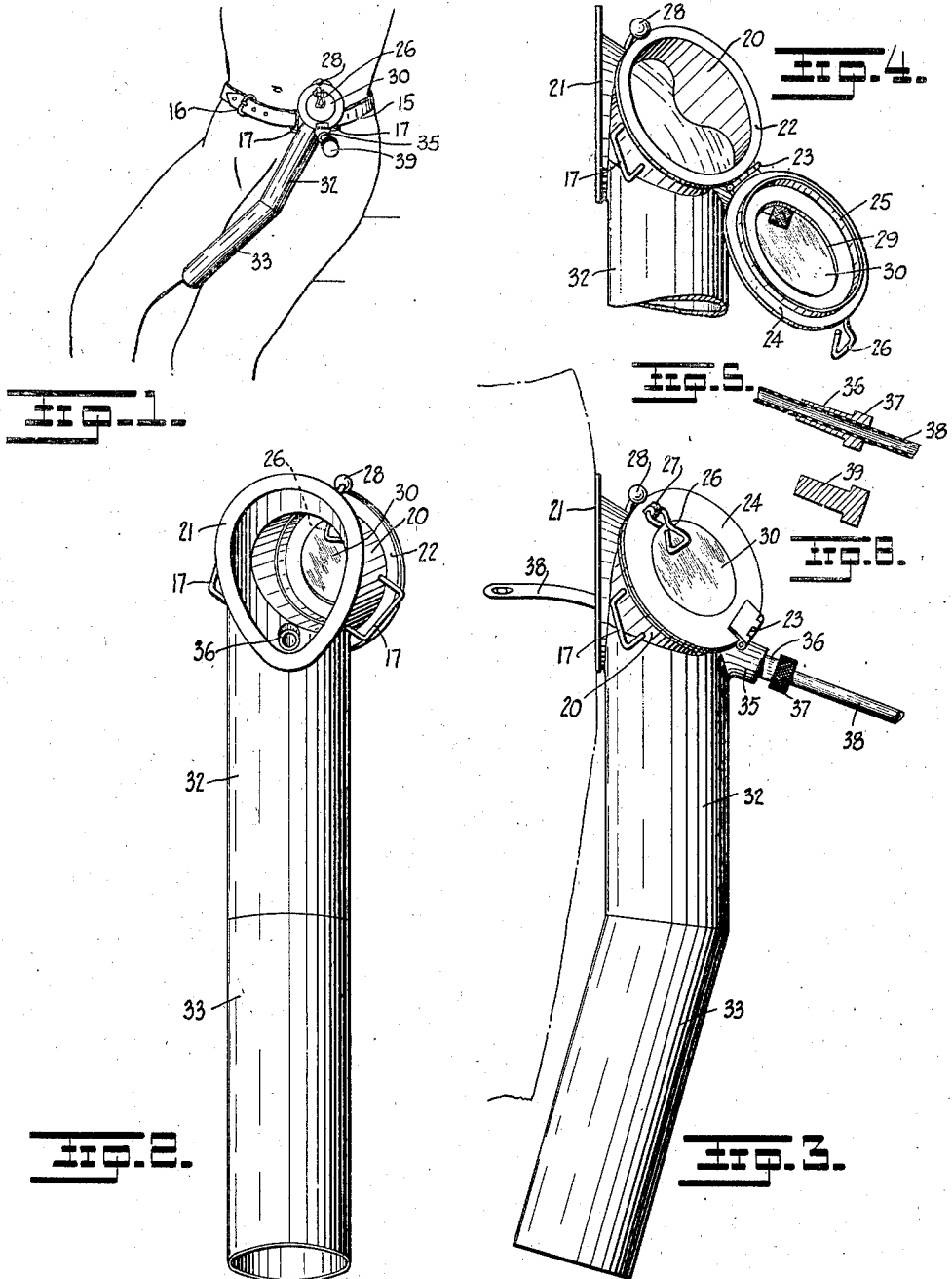
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COLOSTOMY APPLIANCE

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COLOSTOMY APPLIANCE

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Substituted for abandoned application Serial No.
337,130, May 25, 1940. This application March
20, 1943, Serial No. 479,853

1 Claim. (Cl. 128—283)

This invention relates to surgical appliances and more especially to a detachable apparatus for the use of persons who have had a colostomy, or similar abdominal operation, by reason of which the natural use of the colon is prevented from functioning as an evacuation outlet.

It is known that devices exist for the purpose of receiving excrement from openings in the body, and it is also known that such appliances are worn only with great personal discomfort and pain, rapidly become foul with fecal matter, and are difficult, substantially impossible, to thoroughly cleanse to an inodorous, sterile condition.

Having this matter in mind, it is an object of the invention to provide an appliance composed wholly of nonabsorbent material, such as metal, glass, ceramics, hard plastics, etc., capable of being rendered aseptic, and entirely eliminating fibrous substances, rubber and similar porous material.

A further feature is in the provision of a colostomy apparatus designed to be supported on the body, in a balanced condition and deliver matter entered therein to a suitable place of disposal.

Another purpose is to produce an apparatus for this purpose having, in addition to a form fitting attachment flange, a hermetically sealable, opposed opening for the entrance of a douche, or other instrumentalities.

These and other important purposes, which will later appear, are accomplished by the novel and practical construction, combination and arrangement of parts hereinafter described and illustrated in the accompanying drawing, constituting a material part of this disclosure, and in which:

Figure 1 is a general perspective view showing a complete embodiment of the invention and indicating the manner of its application.

Figure 2 is a front elevational view of the apparatus.

Figure 3 is a side elevational view of the same.

Figure 4 is a fragmentary view, similar to figure 3 but showing the shutter as opened.

Figure 5 is a fragmentary longitudinal sectional view of a hollow removable plug used in construction.

Figure 6 is a similar sectional view of stopper to replace the plug.

Referring in further detail to the drawing, a belt, designated by the numeral 15, is provided with a buckle 16 whereby it may be adjusted to the body of a person, as clearly indicated.

The belt or strap is connected at its ends to loops 17 extending from opposite sides of a hollow head 20 having opposed angular faces, one of

which is provided with an annular flange 21 conformable to the surface of the body and to be applied in a manner to cover the surgically made aperture therein.

The opposite face is provided with a circular flange 22 and at its lower edge is a hinge 23 connecting a cover 24, having an outstanding, slightly bevelled, annular ledge 25 adapted to snugly engage within the interior margin of the flange 22 to form an impervious joint when closed; a pull handle 26 is attached to the cover by a lug 27, and a snap catch 28, fixed to the head, is arranged to retain the cover when closed.

In addition, the cover has a central opening covered hermetically tight by a transparent member 30, through which a view of the interior is obtainable.

Extending from the larger portions of the head 20 is a tube 32 of considerable diameter, bent midway its lengths to project, as at 33, and of such length as to extend alongside the lower limbs of the individual to a place of disposal.

At a point, approximately at the junction of the tube 32 with the head 20, is a tubular projection 35 conically tapered within its outer end portion and adapted to be closed by a corresponding plug 36, having a knurled head 37 for convenience in operation.

Insertible through the bore of the plug is a flexible hose 38 by means of which a douche or catheter may be entered and extended inwardly as far as may be desired, thus affording means to enter liquids in cleansing the body opening in the person, or of entering medicaments.

When the hollow plug is not in use it is readily removed and a solid plug 39 is substituted.

It is to be noted that the entire apparatus is so designed as to normally hang, of its own volition, in a suitable manner; that all parts are readily amenable to thorough cleansing, and being rendered aseptic.

It will thus be seen that there is provided a device in which the several objects of this invention are achieved, and which is well adapted to meet the conditions of practical use.

The instant application is a substitute for my prior application, Serial No. 337,130, filed May 25, 1940.

As various possible embodiments might be made of the above invention, and as various changes might be made in the embodiment above set forth, it is to be understood that all matter herein set forth is to be interpreted as illustrative and not in a limiting sense.

Having thus described my invention what I

claim as new and desire to secure by Letters Patent is:

A colostomy appliance comprising a cylindrical tube having a hollow head, said head comprising a pair of angularly disposed projecting faces each having an outwardly extending annular flange, one of said face flanges adapted to be applied to the body of the patient, the flange of the other face having a cover pivoted thereto, said cover

having an opening and a transparent plate in said opening, a catch secured to said last-mentioned flange in opposed relation to the pivot of said cover, said last-mentioned face further having a pair of opposed loops, a belt secured to said loops, and an irrigating tube mounted on said head at the junction of said cylindrical tube with said head.

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