

[54] **COLOSTOMY AID**

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[52] U.S. Cl. .... **128/283**

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

[58] Field of Search ..... **128/283, 295**

[56] **References Cited**

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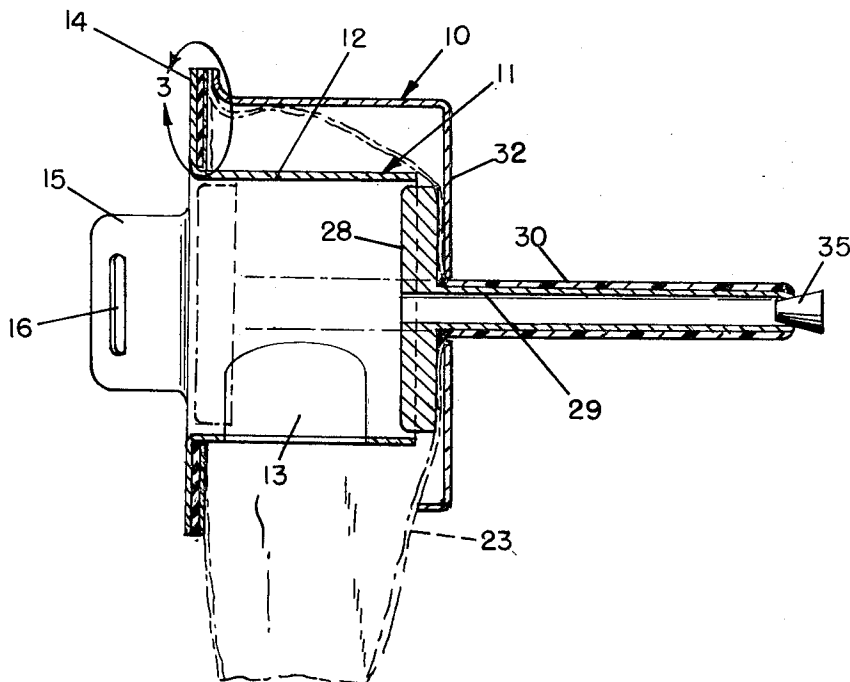
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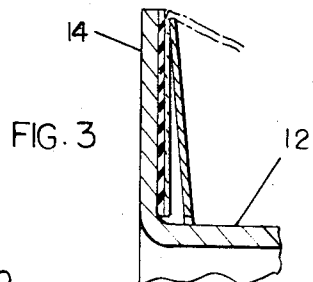
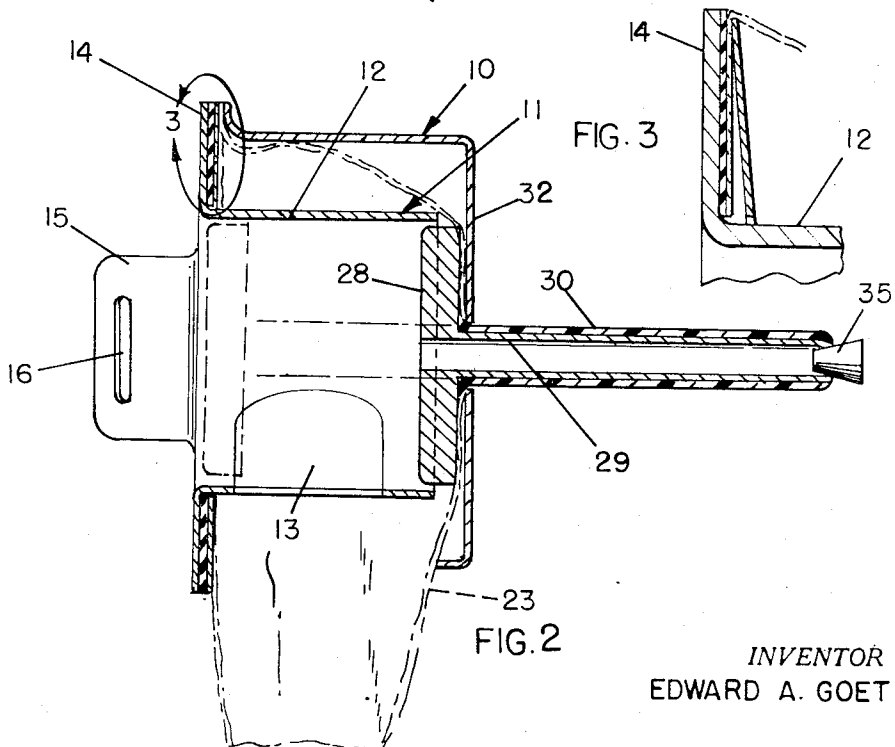
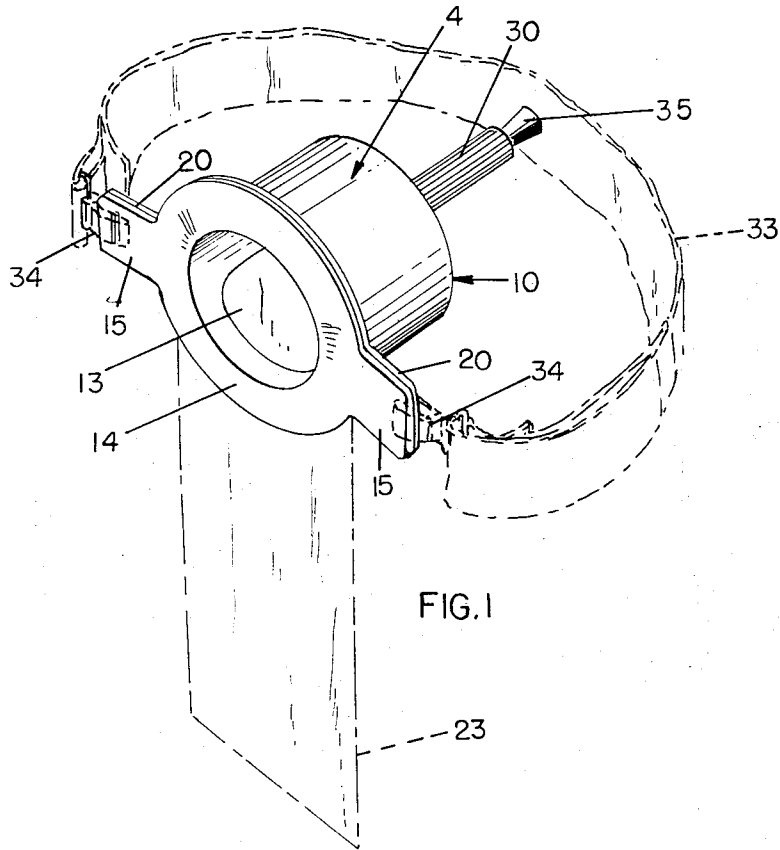
[57] **ABSTRACT**

This invention consists of a stainless steel vertically disposed inner housing having a tubular member with a rectangular opening in the wall thereof. The aforesaid tubular member is provided with a flange

with two opposed rectangular lugs on the bottom thereof that are contoured to the abdomen of a person. An outer housing having a second vertically disposed tubular member considerably larger in diameter than that of the first mentioned tubular member encompasses the first mentioned tubular member. The second mentioned tubular member has its wall cut away to expose the aforesaid rectangular opening in the wall of the first mentioned tubular member. The second mentioned tubular member has an integrally formed horizontally disposed top having a round opening in the center thereof and two opposed rectangular lugs integrally formed on the bottom of the aforesaid vertically disposed wall, the aforesaid lugs being of the same size and contour as that of the first mentioned lugs. The aforesaid lugs in both the lower and the upper rectangular members have matching rectangular openings therein for the reception of a metal snap fastener having an elastic belt that encompasses the body of the person on which this invention is placed. A clear rectangular plastic drain tube has one end encompassing the first mentioned tubular member and is held in place by the second mentioned tubular member. A gasket is located between the lugs of the two members and a gasket spring and plunger, having a vertically disposed tubular member, is located in the center of the device. The aforesaid tubular member has a plastic enema tube extending outward from the top thereof.

**2 Claims, 5 Drawing Figures**





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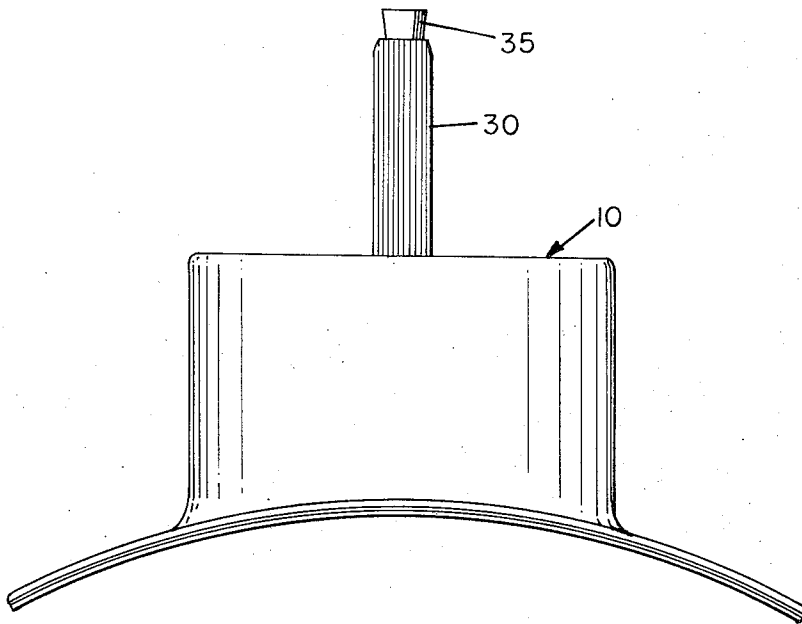


FIG. 4

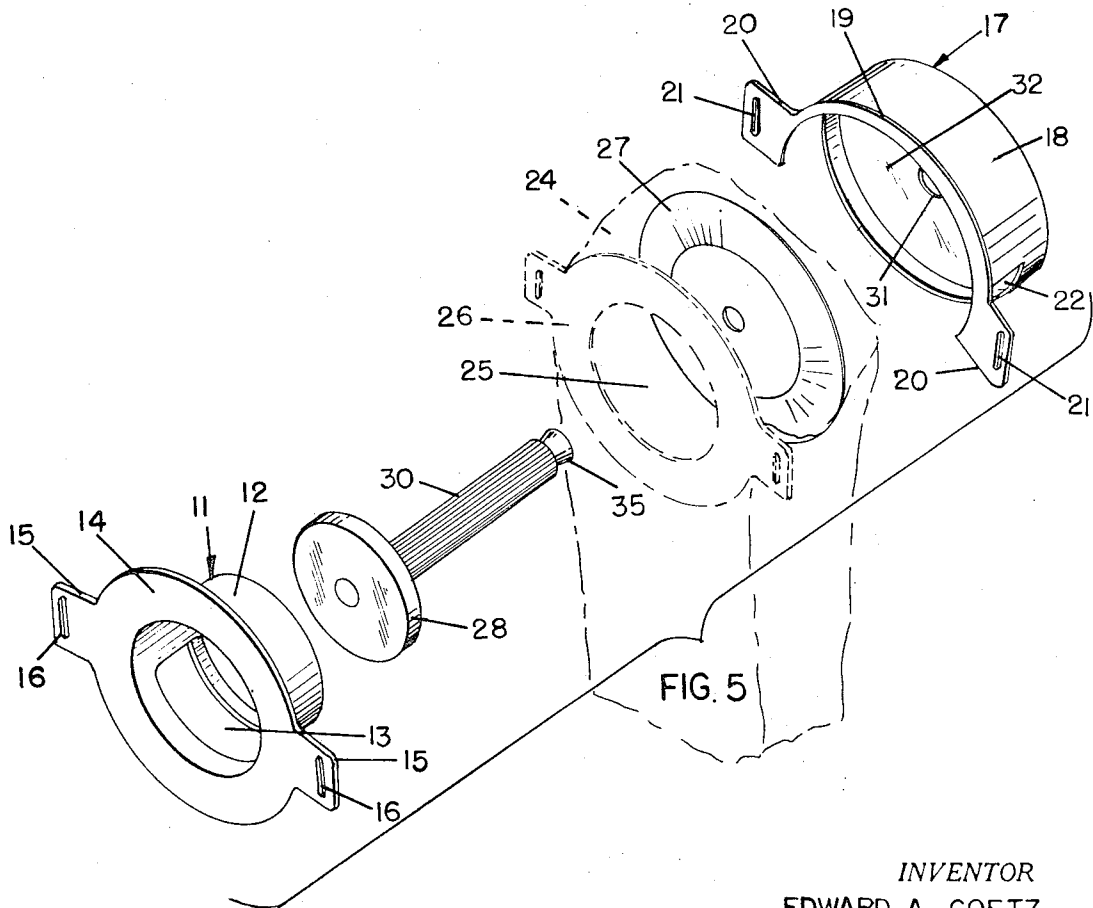


FIG. 5

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## COLOSTOMY AID

The invention relates to colostomy which is defined as the surgical operation of forming an artificial anal opening in the colon, and more particularly to a mechanical aid used in this aforesaid operation.

It is therefore the principal object of this invention to provide a colostomy aid of the character herein described that will cut down the leakage around the abdomen during a colostomy operation.

Another object of this invention is to provide a colostomy aid of the character herein described that will permit the refilling of the enema bag in a more convenient manner with the use of two hands, if it is so desired.

Another object of this invention is to provide a colostomy aid that will permit the pushing of the plunger down against the stomach so that the water can be retained, as will be understood by those experienced in the art.

Still another object of this invention is to provide a colostomy aid of the character herein described that contains a minimum number of parts which can be washed after being easily disassembled and can be reassembled in a minimum amount of time and with a minimum amount of effort.

Other and further objects and advantages of this invention will no doubt appear from time to time as the reading of this specification and its appended claims proceeds.

In the drawings:

FIG. 1 is a pictorial view of this invention ready for use.

FIG. 2 is a sectional view of this invention, taken substantially along line 2—2 of FIG. 1, and viewed in the direction indicated by the arrows.

FIG. 3 is an enlarged sectional view of that part of this invention encompassed by the arrowed ellipse and indicated by the number 3 in FIG. 2.

FIG. 4 is an enlarged view of this invention, as indicated by the arrowed line and number 4 in FIG. 1.

FIG. 5 is a pictorial exploded view of this invention.

In the several views of this invention, like parts of the device are indicated by like reference numbers. The reference number 10 indicates this invention in its entirety.

Directing one's attention first to FIG. 5 of the accompanying drawings it will be seen that this invention consists of a stainless steel inner housing 11. The housing embodies a tube 12 having a rectangular opening 13 in the wall thereof. The lower end of the just mentioned tube has an integrally formed flange 14 extending outward at right angle from the tube. Two diametrically opposed and integrally formed lugs 15, that are rectangular when viewed from the top, extend outward from the aforesaid flange 14. Each lug is provided with a rectangular opening 16. A stainless steel outer housing 17, that also embodies a tube which is indicated by the reference number 18 in the accompanying drawings, is mounted on top of the aforesaid inner housing 11 when this invention is assembled. The aforesaid tube 18 is obviously larger in diameter than tube 12 of the inner housing 11.

Continuing to look at FIG. 5 of the drawings it will be seen that the aforesaid tube 18 also has a flange 19 on its lower end thereof as well as two integrally formed

and outwardly extending and opposed rectangular lugs 20 which are the same size as that of the aforesaid lugs 15 that are part of the aforesaid inner housing 11 of this invention. Lugs 20 are provided with the same size rectangular openings 21 as that of the openings 16 in lugs 15 of this invention. A large rectangular recess 22 is seen to be located in the aforesaid wall of the tube 18 of the outer housing 17. The recess is in line with the rectangular opening 13 in the wall of the aforesaid tube 12 of the inner housing 11 when this invention is assembled.

Continuing to look at the drawings it will be seen that this invention also embodies a clear plastic rectangular drain tube 23 although no claim is made for this tube which is a purchased part and is only mentioned and illustrated in the accompanying drawings in phantom lines since the tube is used with the invention. The aforesaid tube is provided with a closed end 24 and a circular opening 25 as well as a gasket 26 that is made of paper and is firmly secured by any desired means to the outside of the tube, as one can see by examination of the aforesaid FIG. 5 of the drawings. When this invention is assembled, the aforesaid drain tube 23 is located inside the outer housing 17 and over the top of the aforesaid tube 12 of the inner housing 11 although the aforesaid gasket 26 is actually located between the lugs of the inner housing 11 and the outer housing 17, as one can best see by looking at FIG. 2 of the accompanying drawings. Here it is also seen that a stainless steel gasket spring 27 is located in the aforesaid drain tube 23 and encompasses the aforesaid tube 12 of the inner housing 11.

Directing ones attention now to FIG. 2 of the accompanying drawings it will be seen that this invention also contains a stainless steel plunger 28 from the center of which extends a steel tube 29 that is encompassed by a plastic or rubber tube 30. The tube 29 of the plunger 28 extends outward through a centrally located opening 31 in the top 32 which is integrally formed with the aforesaid tube 18 of the outer housing 17 of this invention. An enema tube (not shown in the accompanying drawings) is secured to the outer end 32 of the aforesaid tube 29 when this invention is in use.

The way in which this novel invention, whose construction I have just described is used is as follows:

The invention is assembled as illustrated in FIGS. 1 and 2 of the accompanying drawings and placed on the abdomen of the patient where it is secured by an elastic strap 33 which encompasses the body of the patient. Each end of the aforesaid strap 33 is provided with a metal clip 34 which fits through the rectangular opening in the rectangular tabs of this invention. Remove the cork 35 from the end of the aforesaid tube 29 and place one end of the enema tube on the end of tube 29. Now pull the complete assembly away from the abdomen and insert the tube into the stomach as far as doctors recommend, proceed with irrigation by pushing the aforesaid plunger 28 down to the stomach by means of the plastic or rubber tube 30. If too much pressure develops, release the plunger, then return to the stomach.

It will be realized by those experienced in the art that this invention of a colostomy aid has many advantages over any other device used for this purpose at the present time, as has been set forth in the previously

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given objects of this invention which is subject to any and all changes in detail design and/or modifications that one may care to make in the same in so long as the changes and/or modifications fall within the scope and intent of the appended claims.

What I now claim as new is:

1. A colostomy aid of the character described, comprising an inner housing, said inner housing consists of a stainless steel tube having a rectangular opening in a wall thereof, and an integrally formed flange extending outward from one end of the said tube, the said flange having two diametrically opposed rectangular lugs extending outward therefrom; an outer housing encompassing the said inner housing, the said outer housing consists of a stainless steel tube encompassing the said tube of the said inner housing, the tube of the said outer housing being considerably larger in diameter than that of the tube of the said inner housing, and the wall of the said tube of the said outer housing having a large rectangular recess therein that is in line with the rectangular opening in the tube of the said inner housing, the said outer housing also having two diametrically op-

posed rectangular lugs that are the same size as that of the lugs of the said inner housing, the lugs of the said outer housing fitting down on top of the lugs of the said inner housing when the invention is assembled; and means of draining an opening in the stomach on which the said colostomy aid is secured by mechanism located within the said colostomy aid; the said mechanism consists of a plunger that is made of stainless steel, the said plunger embodying a disk having a tube extending upward from the center thereof, and the said tube being encased in a rubber or plastic tube and extending slidably upward through a round opening in the center of a horizontally disposed and integrally formed steel top on the upper end of the said tube of the said outer housing.

2. The invention of claim 1, wherein an elastic belt adapted to be placed around the body of a person on which the said colostomy aid is being used is secured at each end by a metal clip to the lugs of the said invention; and an enema tube is secured to the said tube of the said plunger.

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