Jan. 2, 1951 W. M. CLONINGER 2,536,036

COLOSTOMY APPARATUS

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Fig. 1.

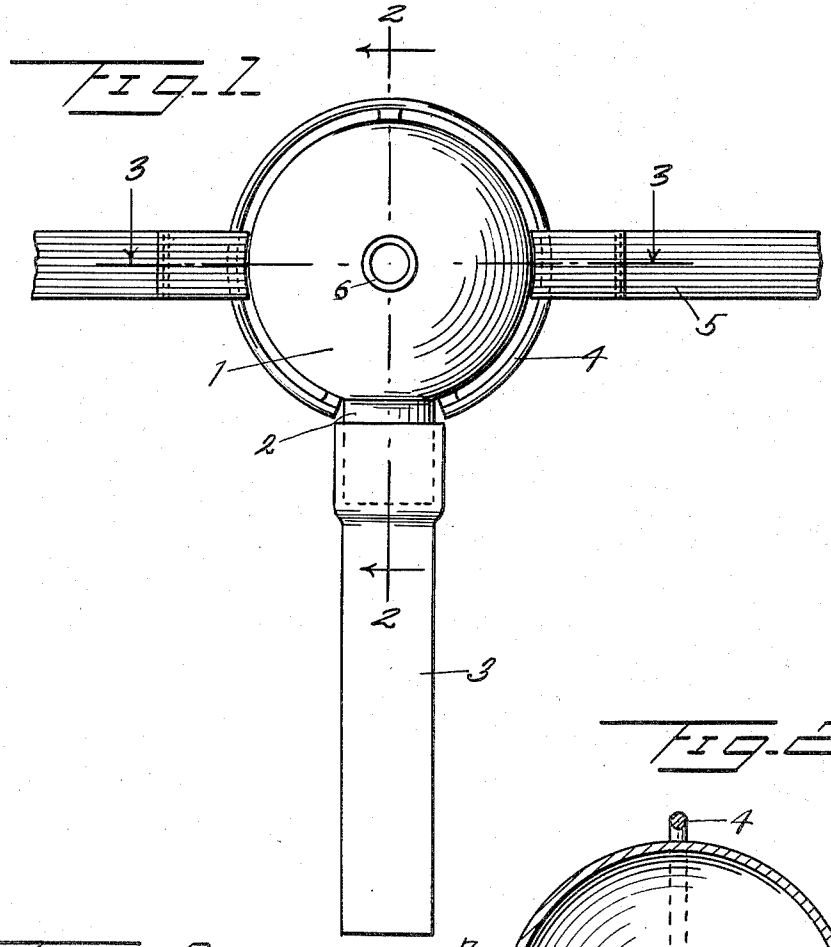


Fig. 2.

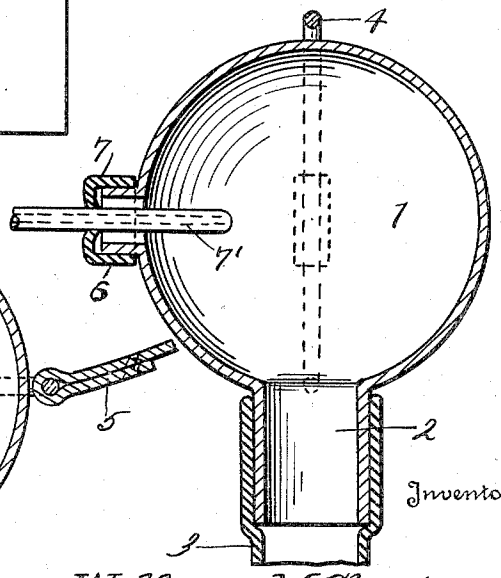
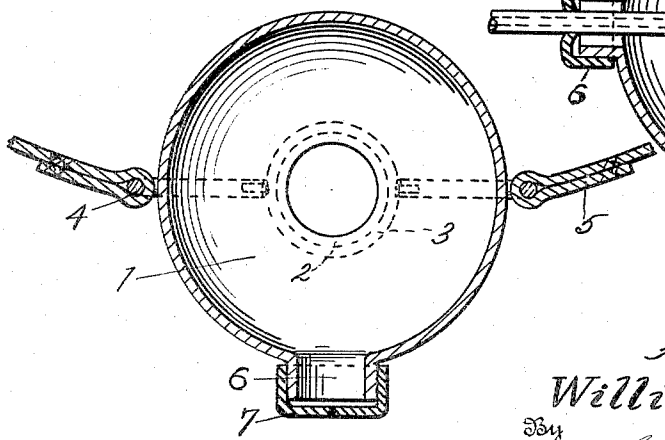


Fig. 3.



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Fig. 4.

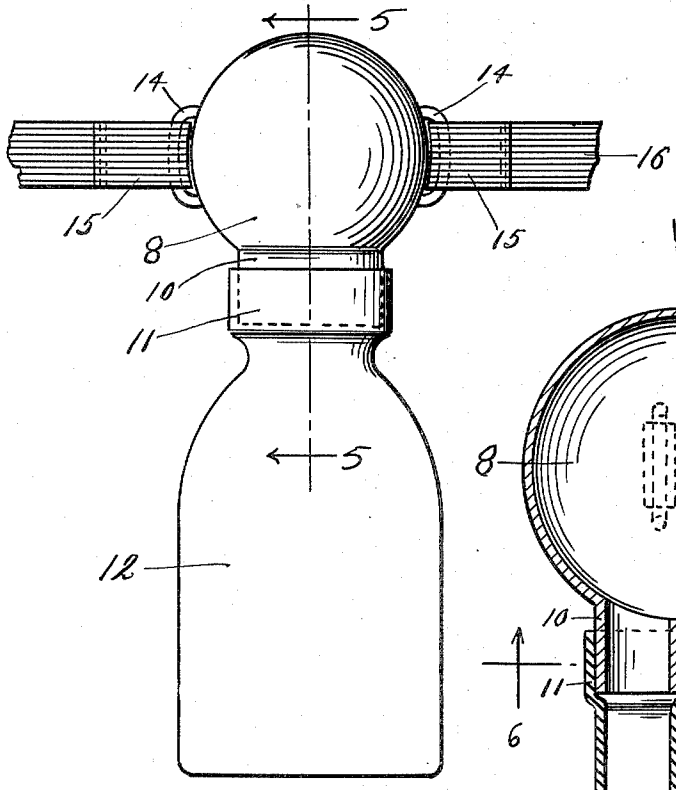


Fig. 5.

Fig. 7.

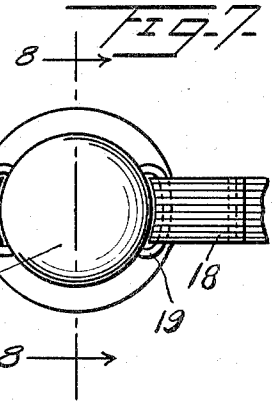
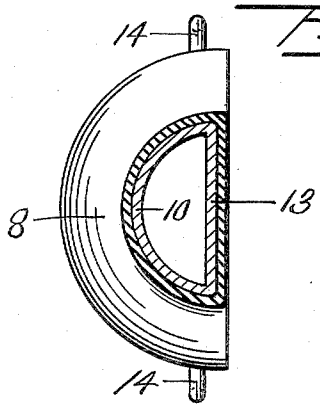


Fig. 6.



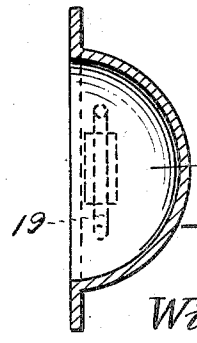


Fig. 8.

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2,536,036

COLOSTOMY APPARATUS

William Murvin Cloninger, Compton, Calif.

Application December 21, 1948, Serial No. 66,539

1 Claim. (Cl. 128—283)

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This invention relates generally to surgery, and more particularly to a colostomy apparatus for irrigating the bowel. As is well known to those versed in the art to which this invention appertains, where the rectum is cancerous or otherwise diseased, it is sometimes necessary to make a colostomy opening or incision in the colon in order to irrigate the bowel.

The primary object of my invention is to provide a colostomy apparatus whereby this trying experience may be performed in a better, quicker and more sanitary way.

A further object of my invention is to provide a colostomy apparatus that may be easily cleaned and in which the hollow cap that is worn permanently during the day or night will not bulge and attract unwelcome attention.

A still further object of my invention is to provide a colostomy apparatus that is simple and economical in construction and highly efficient and durable in use.

With the foregoing and other objects in view that will appear as the nature of my invention is better understood, the same consists in the novel features of construction, combination and arrangement of parts illustrated in the accompanying drawings and more particularly pointed out in the appended claim.

In the accompanying drawings, which are for illustrative purposes only and are therefore not drawn to scale:

Figure 1 is a face view of the irrigating assembly.

Figure 2 is a vertical transverse section, taken on line 2—2 of Figure 1.

Figure 3 is a horizontal section, taken on line 3—3 of Figure 1.

Figure 4 is a face view of the hollow semi-spherical drain cup and associated bag.

Figure 5 is a vertical transverse section, taken on line 5—5 of Figure 4.

Figure 6 is a horizontal section, taken on line 6—6 of Figure 5.

Figure 7 is a face view of the hollow protective cap that is worn permanently during the day or night, and Figure 8 is a vertical transverse section, taken on line 8—8 of Figure 7.

Referring to the drawings for a more particular description of my invention, and in which drawings like parts are designated by like reference characters throughout the several views, the irrigating assembly comprises the hollow spherical ball 1, of transparent plastic or similar material, formed at its bottom with the depending nipple 2, which fits in the upper end of the

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rubber discharge tube 3. The hollow spherical ball 1 is formed with an outer spaced concentric ring 4, to which is connected the ends of the elastic strap or belt 5, whereby the irrigating assembly may be fastened to the waist of the patient.

The front wall of the hollow ball 1 is formed with a smaller horizontally disposed forwardly extending nipple 6, normally closed by the perforated rubber cap 7, through which and the aforesaid nipple 6 extends the lower end 7' of the discharge nozzle of the water container or reservoir (not shown).

The device further comprises the hollow semi-spherical drain cup 8, which is adapted to fit snugly over the colostomy opening or incision in the colon, as 9, and is formed at its bottom with a depending nipple 10, which fits in the mouth or neck 11 of the rubber bag or receptacle 12. Attention is invited to the fact that the nipple 10 of the drain cup 8 is of semi-circular form in cross section, presenting an inner flat wall or side 13, which causes the mouth or neck 11 of the rubber bag to assume the same shape and fit snugly against the abdomen of the wearer. The drain cup 8 is formed at opposite sides with the outwardly projecting ears 14, to which the ends 15 of an elastic strap or band 16 is connected for supporting the drain cup on the body of the patient.

My device further comprises the hollow semi-spherical protective cap 17, which is worn permanently during the day and night, if necessary, and is supported in place by the elastic strap 18, connected at opposite ends to suitable ears 19 formed at opposite sides of said cap.

In practice, the irrigating assembly is fastened to the waist of the patient in such a way that the discharge tube 3 may be inserted in the colostomy opening or incision 9 in the colon on a straight line. Following the irrigation, the drain cup 8 is placed over the colostomy opening 9, as illustrated in Figure 5 of the drawings, and fastened snugly in place by the elastic strap 16. The drain cup and associated bag are allowed to remain in place until the patient is certain that all drainage has been completed, which may require anywhere from a few minutes to a half hour, depending on the circumstances in each particular case. The drain cup and associated bag are then removed and the hollow semi-spherical cap 17 is then placed over the colostomy opening 9 and worn permanently during the day, and also at night, if necessary. The cap 17 will prevent any leakage or disagreeable odors that might other-

wise emanate from the colostomy incision and at the same time render any unpleasant sounds inaudible.

From the foregoing description taken in connection with the drawings, it is thought that the construction, operation and advantages of my invention will be readily understood, without requiring a more extended explanation.

Various changes in the form, proportions and minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of my invention as defined in the appended claim.

Having described my invention, what I claim as new and desire to secure by Letters Patent, is:

A colostomy apparatus comprising an irrigating assembly, consisting of a hollow spherical ball formed at its bottom with a depending nipple, an elastic discharge tube connected at one end to said nipple, a spaced concentric attaching ring encircling said hollow spherical ball and an elastic strap or belt for fastening the irrigating assembly to the waist of the patient.

WILLIAM MURVIN CLONINGER.

No references cited.