Sept. 19, 1961 H. E. HART 3,000,015

HOSPITAL APPLIANCE

Filed Oct. 17, 1960

Fig. 1.

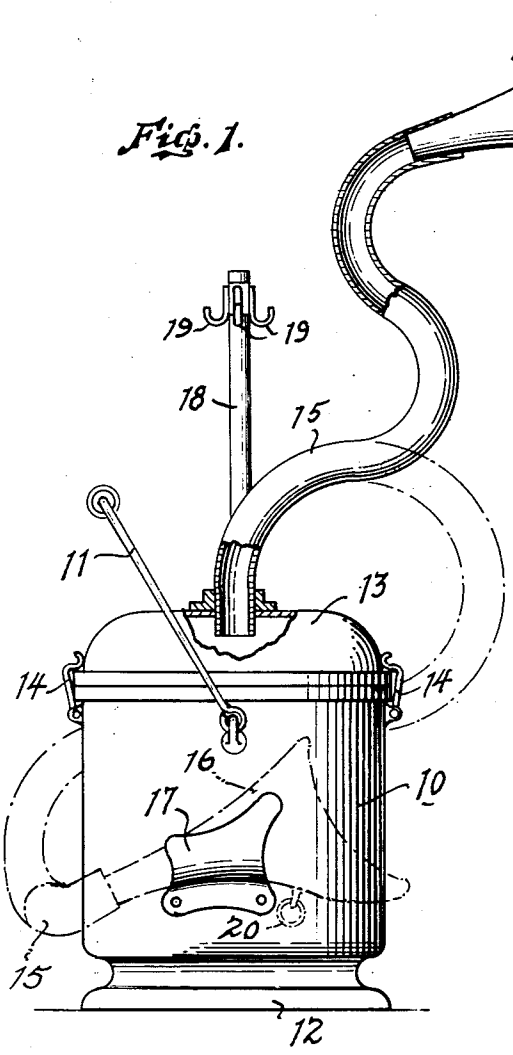


Fig. 2.

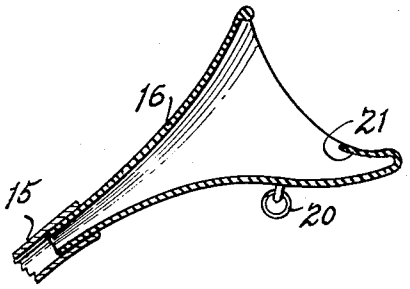
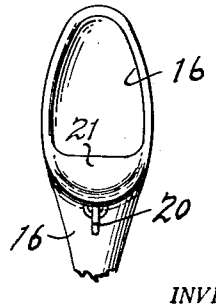


Fig. 3.



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HOSPITAL APPLIANCE

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1 Claim. (Cl. 4—110)

My present invention relates to a hospital appliance and, more particularly, to an improved urinal and bulk collecting container therefor.

An object of my invention is to provide a safe, sanitary and convenient means for use in hospitals and the like for the relief of bedridden patients when the need arises.

A further object of the invention is to provide a urinal of practical, sanitary construction which may be employed by a patient without the assistance of a nurse or the like and which may be repeatedly used without requiring an emptying thereof after each use.

Another object of the invention is to provide a urinal having a body engaging and area encompassing cone-like member which, when applied to the genital region of a patient, may be safely used for the relief of a patient requiring same.

Another object of the invention is to provide a body engaging receptacle having a drainage connection with a container disposed externally of the bed, that is provided with a retaining lip or dam at its open end which will prevent an overflow or spilling in the event of delayed drainage therefrom.

Other objects and advantages will be in part evident to those skilled in the art and in part pointed out hereinafter in the accompanying description taken in connection with the accompanying drawing wherein:

FIGURE 1 is a side view of my improved appliance with portions broken away and in section to reveal details of construction,

FIGURE 2 is a fragmentary sectional view taken along the central vertical plane of a portion of the device as shown in FIGURE 1, and

FIGURE 3 is a fragmentary view showing the open end of the device as shown in FIGURE 2.

The use of a conventional bed pan or duck by female and male patients often becomes a very embarrassing experience. This is particularly true during the convalescent stage when the patient may have sufficient mobility to permit him or her taking care of these matters without the assistance of a nurse or hospital attendant. It is therefore a principal object of my invention to provide a device that may be placed in a convenient location adjacent the bed of a patient where the facilities provided for may be availed of without the need of an assistant.

For a better understanding of my invention, reference is now made to the accompanying drawing where in FIGURE 1, the numeral **10** designates a pail-like receptacle having a bale **11** by which it may be conveniently transported about. At its bottom the receptacle **10** has a substantially flat base **12** that will serve to prevent an accidental tipping thereof and at its upper end it carries a cover **13** which is tightly fittted over its open end. This cover **13** is secured upon the receptacle **10** by snap fasteners or the like **14** and extending centrally through the top of the cover **13** there is a length of flexible hose or conduit **15** which is connected at its upper end to a patient engaging cone-like receptacle **16**. The flexible conduit **15** will be of sufficient length so that, when the device is in use, the cone-like receptacle will engage with the genital region of a reclining patient with receptacle

10 resting on the floor adjacent to bed. When the device is not in use, this flexible hose or conduit **15** may be coiled partially around receptacle **10** as shown by dot and dash lines with the cone-like receptacle **16** at the end thereof supported upon a saddle-like bracket **17** that is attached to one side of the container **10**. At the other side of container **10**, there is an upstanding support **18** having a plurality of hooks **19** which when engaged by a ring **20** carried by the conical member **16** will serve as a support for the member **16** before or after use in a convenient position which may be easily reached by a bedridden patient.

In its construction the container **10** and the cover **13** should be of stainless steel or of plastic rustless construction which can be easily cleaned and retained in a sanitary condition. The hose or conduit **15** should also be of a diameter of not less than 1½" so that a free drainage thereof will be facilitated. The cone-like body engaging member **16** may be made of vulcanized rubber or a suitable plastic and should be of such construction that it will possess a limited amount of flexibility at its open end.

As is more clearly shown in FIGURE 2 of the drawing, the conical member **16** is provided with an inwardly turned lip **21** at its lower edge to provide a limited liquid retaining cavity therein which will accommodate any sudden accumulation of fluid and thus prevent a spilling thereof when the device is not properly engaged with the body of the user.

As is more clearly shown in FIGURE 3 of the drawing, the open end of conical member **16** is of elliptical cross section and tapers back to a cylindrical cross section where it engages with conduit **15**.

This conical member **16** is also of such a length and breadth at its open end that when applied to the body of a patient it will encompass the rectum as well as the urinary tract so that in extreme cases it is conceivable that the device may be safely employed for elimination purposes particularly where the device may be used with a reasonably rapid drop in the flexible conduit **15** to the container **10**.

While I have, for the sake of clearness and in order to disclose my invention so that the same can be readily understood, described and illustrated a specific form and arrangement, I desire to have it understood that this invention is not limited to the specific form disclosed, but may be embodied in other ways that will suggest themselves to persons skilled in the art. It is believed that this invention is new and all such changes as come within the scope of the appended claim are to be considered as part of this invention.

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

In a combined urinal and body movement accommodating facility, the combination of a pail-like container having a bale for convenient handling, a cover removably attached ot said container having a central opening, a flexible conduit attached to said cover and extending through said central opening, a flaring substantially rigid cone-like member attached to the upper end of said flexible conduit, the length of said flexible conduit being sufficient to reach from said container to said cone-like member when applied to a bedridden patient, a saddle-like bracket mounted upon the side of said container and contoured to receive and support said cone-like member with said flexible conduit in a coiled condition about said

receptacle when said container is being moved from one bed to another, and an upwardly projecting post secured to said container for temporarily supporting said conical member in an elevated position at bed level following a use thereof, and characterized by the fact that said conical member is substantially elliptical in cross-section at its open end and contoured to engage with and encompass the genital region of a patient when in a reclining position, and by the fact that said open end has an inwardly extending lip forming a dam across the lower region of said opening to prevent the escape of fluid when in use.

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