June 22, 1937. V. H. ANDERSON 2,084,788

URINAL

Filed Dec. 2, 1936

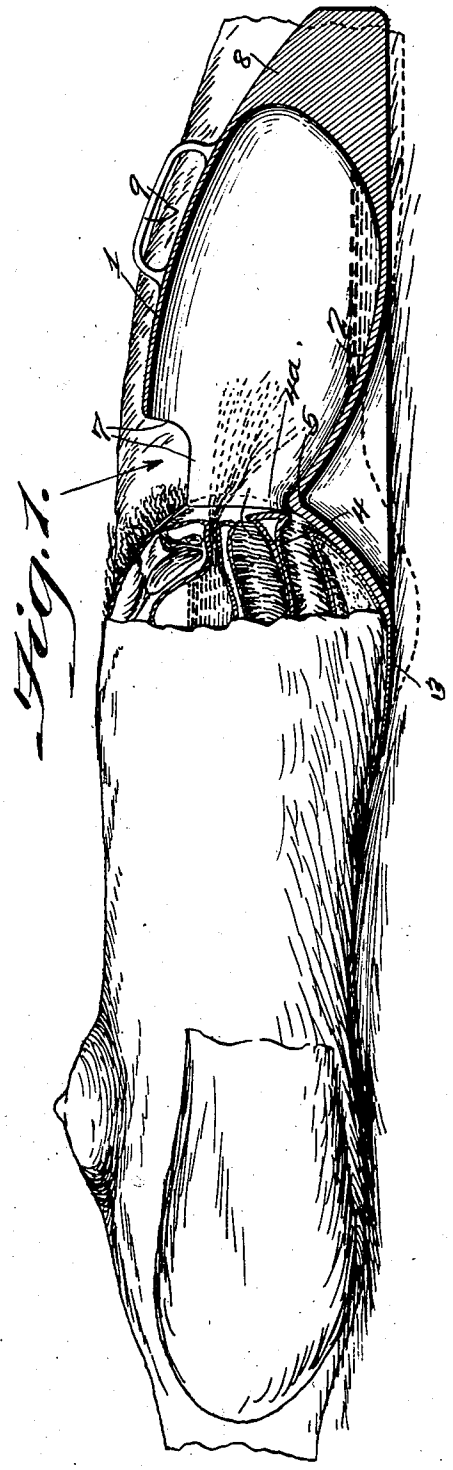


Fig. 1.

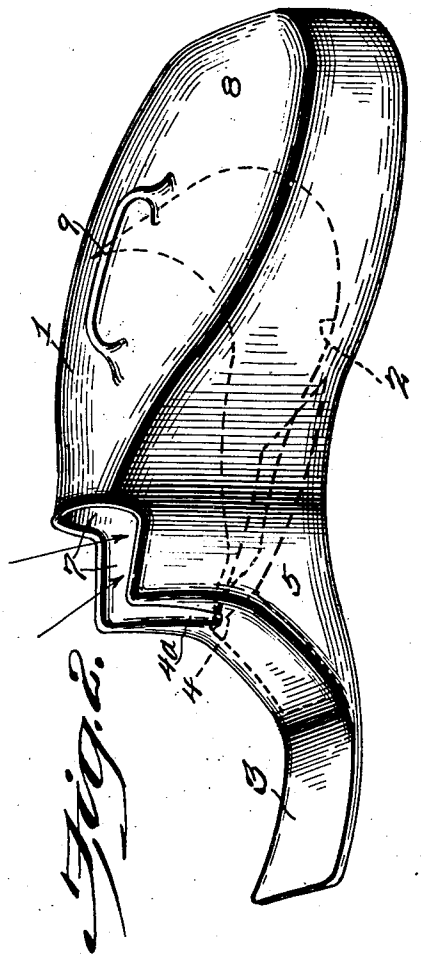


Fig. 2.

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Patented June 22, 1937 2,084,788

UNITED STATES PATENT OFFICE

2,084,788

URINAL

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Application December 2, 1936, Serial No. 113,763

11 Claims. (Cl. 4—112)

This invention relates to an improved urinal for various patients, particularly those who are unconscious that is to say, unaware that they may be voiding, though it may be used for other patients.

The whole scheme is to provide a urinal that may fit in the crotch between the legs of the patient in order to catch the urine, there being an extension at the forward end of the urinal for the purpose of fitting under and conforming to the rump or buttocks of the patient in order to insure holding the urinal in position so that it will not become misplaced. The legs of the patient lie on opposite sides of the urinal as is shown in Figure 1.

Another purpose of the invention is to provide an upward extension which fits as close as possible to the urethra in order that when the patient is voiding the urine will easily enter the urinal and since the urinal is provided with an inclined bottom, the urine will easily flow toward the bottom of the urinal and therefore will not escape nor will not spill when the urinal is removed.

Another purpose is to provide a urinal which has at the entrance thereof, that is to say, where the urine enters upon leaving the urethra passage, a wall or flange, such as will prevent a back flow of the urine after it enters the urinal.

Another purpose of the invention is to provide the wall which prevents the back flow of the urine with a vertical opening though which the urine may pass, there being an additional opening of angular outline and adjoining the first opening, and through which a trained nurse can observe whether or not the inclined bottom is moist or soiled when the bed covers are pulled down.

Still another purpose is to provide a urinal having one of its ends facing toward the feet of the patient heavily weighted, so as to remain level on the bed, and in such a manner that the weight of the rump or buttocks will not tilt the urinal.

It is to be understood that the particulars herein given are in no way limitative, and that while still keeping within the scope of the invention, any desired modification of details and proportions may be made in the construction of the appliance according to circumstances.

The invention comprises further features and combination of parts to be hereinafter set forth, shown in the drawing and claimed.

In the drawing:—

Figure 1 is a view showing a torso of a patient with the improved urinal as applied, it being obvious that the urinal is for use to prevent soiling the bed clothes, particularly with patients who are either conscious or unconscious.

Figure 2 is a view in perspective of the improved urinal clearly illustrating the extension that fits under the rump or buttocks of the patient with the entrance extension fitting adjacent the urethra so that the urine will easily enter the urinal without spilling and thereby soiling the bed clothes.

Referring to the drawing, 1 identifies the urinal which comprises a body, which may be any shape, size, and tapered in order to fit the crotch between the legs of the patient without undue inconvenience. This body of the urinal has an inclined bottom 2 in order that the urine will flow downwardly and particularly will not spill when the urinal is removed.

The forward end of the urinal has an extension 3, which is adapted to fit under the rump or buttocks of the patient, for the purpose of retaining the urinal in a secure position as is shown in Figure 1. Also adjacent this extension 3 is an upward extension 4, which has an opening 4a to fit tight against the mouth of the urethra of the patient, so that when the patient is voiding the urine will easily enter the opening of the urinal and without soiling the bed clothes.

In order to prevent back-flow of the urine after entering the opening 4a, the urinal has a flange or a wall 5 which is located in a position as shown in Figure 2 to prevent this action, this flange or wall extends transversely of the mouth of the urinal and also vertically, to insure prevention of the spilling of the urine.

This opening 4a adjoins another opening of angular contour identified at 7 in the upper wall of the urinal, which will enable a trained nurse to observe whether or not the inclined bottom is soiled or otherwise indicating the patient has voided.

The end portion 8 of the urinal is heavily weighted to assist in holding the urinal balanced on the bed under the clothing and in such a manner as to prevent the weight of the buttocks from tilting the weighted end of the urinal upwardly. The outer surface of the upper wall of the urinal has a handle 9, which can be easily grasped for the purpose of removing the urinal from its used position. The urinal as an article of manufacture has its forward end provided with a compound opening consisting of a substantially vertically positioned portion and a substantially horizontally positioned portion, the former for the reception of the urine, the latter permitting

sighting into the urinal to ascertain whether the interior bottom is damp or soiled.

The invention having been set forth, what is claimed is:

1. A urinal comprising a body, hollowed and tapered for the purpose of fitting in the crotch between the legs of a patient, the forward end of the urinal having a substantially vertically positioned opening for the reception of the urine as it leaves the urethra, the forward end of the urinal also having an extension to be inserted under and conforming to the contour of the rump or buttocks of the patient while in a lying down position for the purpose of holding the urinal in position and without dislodging therefrom.

2. A urinal comprising a body, hollowed and tapered for the purpose of fitting in the crotch between the legs of a patient, the forward end of the urinal having a substantially vertically positioned opening for the reception of the urine as it leaves the urethra, the forward end of the urinal also having an extension to be inserted under and conforming to the contour of the rump or buttocks of the patient while in a lying down position for the purpose of holding the urinal in position and without dislodging therefrom, said urinal having an inclined bottom to insure the flow of the urine toward the lower end of the urinal.

3. A urinal comprising a body hollowed and tapered for the purpose of fitting in the crotch between the legs of a patient, the forward end of the urinal having a substantially vertically positioned opening for the reception of the urine as it leaves the urethra, the forward end of the urinal also having an extension to be inserted under and conforming to the contour of the rump or buttocks of the patient while in a lying down position for the purpose of holding the urinal in position and without dislodging therefrom the forward end of the urinal where the urine enters the opening having a transverse wall or flange to prevent the escape of the urine.

4. A urinal comprising a body hollowed and tapered for the purpose of fitting in the crotch between the legs of a patient, the forward end of the urinal having a substantially vertically positioned opening for the reception of the urine as it leaves the urethra, the forward end of the urinal also having an extension to be inserted under and conforming to the contour of the rump or buttocks of the patient while in a lying down position for the purpose of holding the urinal in position and without dislodging therefrom, said urinal having an inclined bottom to insure the flow of the urine toward the lower end of the urinal where the urine enters the opening as provided, said urinal having a transverse wall or flange in which said opening is formed to prevent the escape of the urine.

5. A urinal comprising a body hollowed and tapered for the purpose of fitting in the crotch between the legs of a patient, the forward end of the urinal having a substantially vertically positioned opening for the reception of the urine as it leaves the urethra, the forward end of the urinal also having an extension to be inserted under and conforming to the contour of the rump or buttocks of the patient while in a lying down position for the purpose of holding the urinal in position and without dislodging therefrom, said urinal having an inclined bottom to insure the flow of the urine toward the lower end of the urinal where the urine enters the opening as provided, said urinal having a transverse wall or flange in which said opening is formed to prevent the escape of the urine, the forward end of the urinal having an additional opening adjoining the first opening and through which a trained nurse may observe whether or not the bottom of the urinal is soiled.

6. A urinal comprising a body, hollowed and tapered for the purpose of fitting in the crotch between the legs of a patient, the forward end of the urinal having a substantially vertically positioned opening for the reception of the urine as it leaves the urethra, the forward end of the urinal also having an extension to be inserted under and conforming to the contour of the rump or buttocks of the patient while in a lying down position for the purpose of holding the urinal in position and without dislodging therefrom, the forward end of the urinal having a sight opening through which a trained nurse may observe whether the bottom of the urinal is soiled.

7. A urinal comprising a body, hollowed and tapered for the purpose of fitting in the crotch between the legs of a patient, the forward end of the urinal having an upward positioned opening for the reception of the urine as it leaves the urethra, the forward end of the urinal also having an extension to fit under the rump or buttocks of the patient for the purpose of holding the urinal in position and without dislodging therefrom, the end of the urinal remote from the openings being provided with means to retain the urinal balanced in position and thereby preventing the forward end from tilting upwardly.

8. In an article of manufacture, a urinal body, hollowed and tapered for fitting in the crotch between the legs of a patient, the forward end of the urinal body provided with a compound opening, consisting of a substantially vertically positioned portion and a substantially horizontally positioned portion, the former for the reception of the urine, the latter to permit sighting into the urinal body to ascertain whether the interior bottom is damp or soiled.

9. In an article of manufacture, a urinal body, hollowed and tapered for fitting in the crotch between the legs of a patient, one end of the body being provided with means to counteract pressure on the other or opposite end to balance the urinal body in position and thereby prevent said one end from tilting upwardly, the forward end of the urinal body provided with a compound opening, consisting of a substantially vertically positioned portion and a substantially horizontally positioned portion, the former for the reception of the urine, the latter to permit sighting into the urinal body to ascertain whether the interior bottom is damp or soiled.

10. In an article of manufacture, a urinal body, hollowed and tapered for fitting in the crotch between the legs of a patient, the forward end of the urinal body provided with a compound opening, consisting of a substantially vertically positioned portion and a substantially horizontally positioned portion, the former for the reception of the urine, the latter to permit sighting into the urinal body to ascertain whether the interior bottom is damp or soiled, the forward end of the urinal body also having an extension for insertion under and conforming to the contour of the rump or buttocks of the patient while in a lying-down position.

11. In an article of manufacture, a urinal body, hollowed and tapered for fitting in the crotch between the legs of a patient, the forward end of the urinal body provided with a compound opening, consisting of a substantially vertically

positioned portion and a substantially horizontally positioned portion, the former for the reception of the urine, the latter to permit sighting into the urinal body to ascertain whether the interior bottom is damp or soiled, the forward end of the urinal body also having an extension for insertion under and conforming to the contour of the rump or buttocks of the patient while in a lying-down position, the end of the urinal body remote from the compound opening provided with means to counteract the pressure on the forward end to balance the urinal body in position and thereby prevent the remote end from tilting upwardly.

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