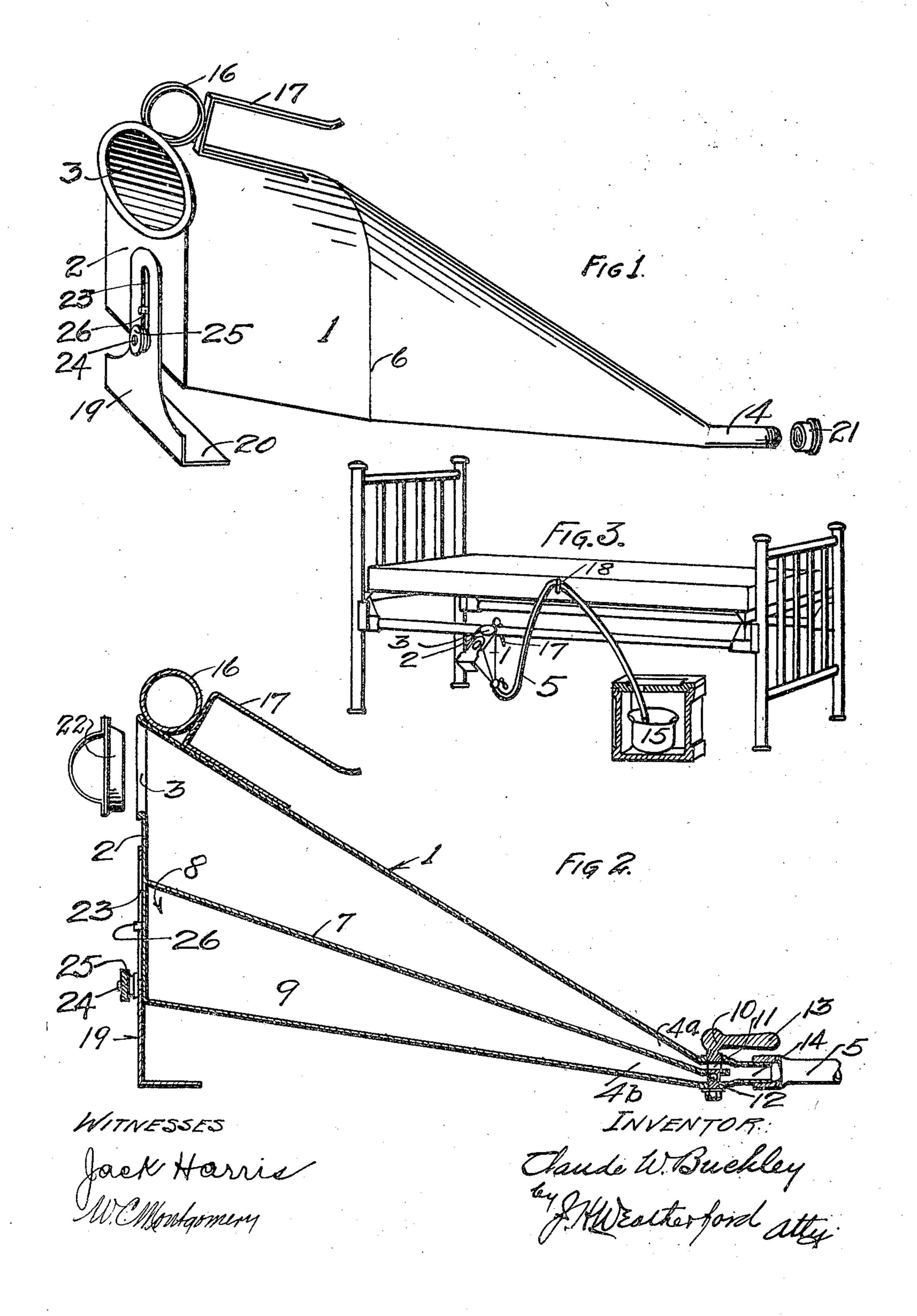
C. W. BUCKLEY.
URINAL.
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UNITED STATES PATENT OFFICE.

CLAUDE W. BUCKLEY, OF MEMPHIS, TENNESSEE.

URINAL.

Refiled for abandoned application Serial No. 181,710, filed July 20, 1917. This application filed May 26, Serial No. 299,732.

To all whom it may concern:

10 and use the same.

This invention relates more particularly desired. persons without the necessity of arising the larger end 2— to the smaller end 4—, or from a recumbent position. It is more espe- if desirable to increase the capacity and 15 cially designed for the use of males but to eliminate all possibility of urine spattermay also be readily used by females by add-

ing flange.

vide a device which will rest on and can end. 20 be moved to any portion or position on the The receptacle 1— may be a single chamthe bed, and to provide such a device with partition 7—. In this case an opening 8 means of adjustment whereby the draining is formed in the partition 7— so that in case 25 angle of the device may be readily varied. the upper chamber fails to properly drain. 30 an ordinary urinal separate from the tube, which has openings 11— and 12— respec-

specifications and claims. In the drawings:—

its preferred form.

45 bed, showing the urinal hung on one of the registers with the opening 4^b, and after side rails of the bed, with a flexible tube draining should be again closed. leading from the same to a vessel beneath If desired a valve may be placed on the the bed.

ence numerals.

1— is the receptacle or urinal closed at the tube. its larger section or mouth by an end 2, 2— 16— is a ring fastened to the larger end having an opening 3— through the upper of the receptacle 1— by which it may be

portion thereof and having its opposite or 55 Be it known that I, Claude W. Buckley, smaller end terminating in a tube 4, 4 a citizen of the United States residing at adapted to be slipped into the end of a rubber Memphis, in the county of Shelby and State tube 5— (Figures 2 and 3). It will be noted 5 of Tennessee, have invented certain new and that the opening 3 is at the extreme top of useful Improvements in Urinals, of which the end 2, so that in case it should be de- 60 the following is a full, clear, and exact de-sired to empty the urinal through that end, scription, such as will enable others skilled there would be no flange or other obstrucin the art to which it appertains to make tions to interfere. 22 is a cover which may be used to close the opening 3 if it be so

to devices to be used by invalids or other The receptacle 1— may be tapered from ing outside, may be carried partway, say 70 to the point 6— (Figure 1—) of uniform The objects of my inventions are to pro-size, and tapered from there to the smaller

bed and which when so used will readily ber, or as shown in Figure 2— in section, 75 drain to a receptacle beneath one side of may be divided into two chambers by a A further object is to provide means where- it will overflow into the lower or overflow 80 by the device may be closed off if it be nec- chamber 9—. Both the upper chamber and essary to remove or change the drainage the lower chamber 9— terminate at their tube, or if it be desired to use the device as smaller ends 4a, 4b, in a double valve 10 and to provide further means whereby, if tively at right angle to each other. These 85 the drainage be accidentally cut off, an aux- openings are adapted to register with the iliary chamber will come into use, if needed openings 4a, 4b, respectively. The valve 10 to prevent overflow, with means of drain- has a single terminal 13-, with one opening 35 ing this auxiliary receptacle.

14—therethrough, connected to both the up-I accomplish these objects as will be more per and lower openings 11— and 12—. The 90 fully hereinafter set forth in the drawings, tube 5— leads from the terminal 13— to a vessel 15— situated below the bed (Fig. 3).

The valve 10— is normally so turned that Figure 1 is a perspective of the urinal in the upper channel 4ª is left open into the tube 5— and the lower channel 4b is closed. 95 Figure 2 is a longitudinal section on the Should the overflow chamber 9— come into center line showing a modification. use it may be drained by turning the valve Figure 3 is a perspective of an iron frame stem at right angles until the opening 12—,

end 4— (Fig. 1) or the end 4— may be Referring now to the drawings in which entirely closed, either by a permanent 50 the various parts are designated by refer- closure, not shown, or by a cap 21—which is adapted to slip over or screw on the end of 105

lifted, and 17— is a hook-handle to be used as a handle, or to slip over the rail of the bed as a hook, to support the receptacle when not in use. If desired, the tube 5— 5 may be fastened to the mattress by a pin 18— so that it will be in proper position to drain when the receptacle is put into use.

The drainage angle of the vessel may be varied by means of a support 19— having 10 a foot portion 20— adapted to rest on the bed. This support 19— is provided with a valve to the said receptacle. slot 23— which embraces and slides on a 3. A device of the class described, for use threaded post 24— projecting from the end in connection with a bed, comprising a taperjecting from the end 2— through the slot to support the same in a draining position. 23— serves as a guide.

may be desired. This support may be made closed ends, a valve at the termination of stationary if desired, or it may be entirely the two smaller ends adapted normally to

ing my invention into effect, this is capable ceptacle. of a wide range of modification without de- 4. A device of the class described, for use in parting from the spirit of my invention. I connection with a bed, comprising a tapered of the appended claims.

What I claim and desire to secure by Letters Patent in the United States is:—

1. A device of the class described, for use in connection with a bed, comprising a tapering vessel, an end closing the mouth of the 40 same, a service opening through the upper 45 adjacent to the smaller end of the said vessel, tacle. 50 mally to close one and keep open the other surface of the bed, to hold the vessel in a 115 55 ceptacle, and a flexible tube leading from the tube leading from the said valve to the said 120 said valve to the said receptacle.

2. A device of the class described, for use 6. A device of the class described, for use in connection with a bed, comprising a taper- in connection with a bed, comprising a taing vessel, an end closing the mouth of the pering vessel, having a partially closed 60 same, a service opening through the upper mouth, a supporting leg projecting below the 125 portion of the said end, a tapering overflow said tapering vessel and adapted to rest on chamber with closed mouth beneath the said the horizontal surface of the bed, to hold the vessel adapted to support the same in a said vessel in a draining position while in use, draining position and having its smaller end a receptacle, a flexible tube leading from the

sel, a communicating opening from the said vessel to the said overflow chamber, adjacent to the said closed ends, a valve at the termination of the two smaller ends, the said valve having a rotatable stem with 70 openings at right angles and adapted normally to close one and keep open the other of the said ends and when rotated to reverse the said opening and closing, a receptacle, and a flexible tube leading from the said 75

2— and is held in position by a thumb nut ing vessel, a tapered overflow chamber with 15 25— on the said post. A pin 26— also pro- closed mouth beneath the said vessel adapted 80 and having its smaller end adjacent to the By loosening the thumb nut 25— the sup-smaller end of the said vessel, a communiport 19— may be lowered or raised and the cating opening from the said vessel to the 20 draining angle increased or decreased, as said overflow chamber adjacent to the said 85 removed and the larger end be supported by close one and keep open the other of the said hand to provide drainage. ends and adapted to reverse the said opening 25 While I have illustrated and described and closing, a receptacle, and a flexible tube 90 the preferred form or construction for carry-leading from the said valve to the said re-

30 therefore do not wish to be limited to the vessel, a tapered overflow chamber, with 95 details of construction herein set forth, but closed mouth, beneath the said vessel adaptdesire to avail myself of such variations and ed to support the same in a draining position modifications as fairly fall within the scope and having its smaller end adjacent to the smaller end of the said vessel; a communicating opening from the said vessel to the said 100 overflow chamber adjacent to the said closed ends, a valve at the termination of the two smaller ends, the said valve having a rotatable stem with openings at right angles and adapted normally to close the one and keep 105 portion of the said end, a tapering over- open the other of the said ends and when flow chamber with closed mouth beneath rotated to reverse the said opening and said vessel adapted to support the same in a closing, a receptacle, and a flexible tube leaddraining position and having its smaller end ing from the said valve to the said recep-

a communicating opening from the said ves- 5. A device of the class described, for use sel to the said overflow chamber adjacent to in connection with a bed, comprising a tathe said closed ends, a valve at the termina-pered vessel, having a partially closed mouth, tion of the two smaller ends adapted nor- a support adapted to rest on the horizontal of the said ends and adapted to reverse the draining position while in use, and means opening and closing, a support beneath the for adjusting the support to vary the insaid overflow chamber, means of adjusting clination of the vessel, a valve at the smaller the said support to varying heights, a re- end of the vessel, a receptacle, and a flexible receptacle.

65 adjacent to the smaller end of the said ves- vessel to the said receptacle, and means for 130

110

tube.

5 use in connection with a bed, comprising a tapering vessel, a tapering overflow chamber with closed mouth beneath the said vessel adapted to support the same in a draining position, and having its small end adjacent 10 to the small end of the said vessel, a comoverflow chamber adjacent to the said closed pering vessel, a hook-handle thereon, an end end, and a closure valve.

8. A device of the class described, com-15 prising a tapering vessel, an end partially closing the mouth of the same, a tapered overflow chamber with closed mouth beneath the said vessel, adapted to support the same in a draining position, having its smaller 20 end adjacent to the smaller end of the said vessel, a communicating opening from the said vessel to the said overflow chamber adjacent to the said closed ends, a receptacle, and a flexible tube leading from the said 25 ends to the said receptacle.

9. A device of the class described, comprising a tapering vessel, having a partially closed mouth, and a support comprising a leg projecting below the said tapering vessel 30 and terminating in a foot adapted to rest on the horizontal surface of the bed, to hold the vessel in a draining position while in use.

35 tapering vessel, a hook-handle thereon, an end closing the mouth of the same, a service opening through the upper portion of the said end, a cover for the said service opening, a tapering overflow chamber, with 40 closed mouth beneath the said vessel adapted jacent to the said closed ends. 45 said overflow chamber adjacent to the said portion of the said end, a tapering overflow 110 50 port beneath the said overflow chamber, re- the said overflow chamber adjacent to the 115 said small ends to the said receptacle.

in connection with a bed, comprising a ta- use in connection with a bed, comprising a 55 pering vessel, a hook-handle thereon, an end tapering vessel, an end closing the mouth 120 closing the mouth of the same, a service of the same, a service opening through the opening through the upper portion of the upper portion of the said end, a tapering said end, a cover for the said service open- overflow chamber with closed mouth beneath ing, a tapering overflow chamber with the said vessel, and having its smaller end 60 closed mouth beneath the said vessel adapted to support the same in a draining position and having its smaller end adjacent to the smaller end of the said vessel; a communicating opening from the said vessel to the 65 said overflow chamber adjacent to the said

closing the smaller end of the said vessel closed end, means at the termination of the when the vessel is detached from the said two smaller ends adapted to close one and keep open the other of the said ends, and to 7. A device of the class described, for reverse the said opening and closing, a support beneath the said overflow chamber, 70 means of adjusting the said support to varying heights, a receptacle, and a flexible tube leading from the said small ends to the said receptacle.

12. A device of the class described, for use 75 municating opening from the vessel to the in connection with a bed, comprising a taclosing the mouth of the said vessel, a service opening, a tapering overflow chamber with closed mouth beneath the said vessel adapted 80 to support the same in a draining position, and having its smaller end adjacent to the smaller end of the said vessel; a communicating opening from the said vessel to the said overflow chamber adjacent to the said 85 closed end, a valve at the termination of the two smaller ends adapted normally to close one and keep open the other of the said ends. and adapted to reverse the said opening and closing, a support beneath the said overflow 90 chamber, a means of adjusting the said support to varying heights, a receptacle, and a flexible tube leading from the said valve to the said receptacle.

13. A device of the class described, for 95 use in connection with a bed, comprising a tapering vessel, an end closing the mouth of 10. A device of the class described, for the same, a service opening through the use in connection with a bed, comprising a upper portion of the said end, a tapering overflow chamber with closed mouth beneath 100 the said vessel, and having its smaller end adjacent to the smaller end of the said vessel; and a communicating opening from the said vessel to the said overflow chamber ad-

to support the same in a draining position 14. A device of the class described, for use and having its smaller end adjacent to the in connection with a bed, comprising a tapersmaller end of the said vessel; a communi- ing vessel, an end closing the mouth of the cating opening from the said vessel to the same, a service opening through the upper closed end, means at the termination of the chamber with closed mouth beneath the said two smaller ends adapted to close one and vessel and having its smaller end adjacent keep open the other of the said ends, and to to the smaller end of the said vessel; a comreverse the said opening and closing, a sup- municating opening from the said vessel to ceptacle, and a flexible tube leading from the said closed ends, and a support beneath the said overflow chamber.

11. A device of the class described, for use 15. A device of the class described, for adjacent to the smaller end of the said ves- 125 sel; a communicating opening from the said vessel to the said overflow chamber adjacent to the said closed ends, and means for closing both of the said smaller ends.

16. A device of the class described, for use 130

in connection with a bed, comprising a tapering vessel, an end closing the mouth of the same, a service opening through the upper portion of the said end, a tapering overflow 5 chamber with closed mouth beneath the said vessel and having its smaller end adjacent to the smaller end of the said vessel; a communicating opening from the said vessel to the said overflow chamber adjacent to the 10 said closed ends, a support beneath the said overflow chamber and means of adjusting

the said support.

17. A device of the class described, for use in connection with a bed, comprising a taper-15 ing vessel, having a partially closed mouth, prising a tapering vessel, having a partially a cover for completely closing the same, a support to hold the vessel in a draining position and means of adjusting the support to vary the inclination of the vessel, a handle-20 hook attached to the said vessel, a drainage opening in the smaller end, a means for closing the same, and a detachable tube leading from the said opening to a receptacle.

18. A device of the class described, for use 25 in connection with a bed, comprising a tapering vessel, having a partially closed mouth, a cover for completely closing the same, a support to hold the vessel in a draining position, and means of adjusting the support to 30 vary the inclination of the vessel, a drainage opening in the smaller end, a means for

closing the same, and a detachable tube leading from the said opening to a receptacle.

19. A device of the class described, comprising a tapering vessel, an end closing the 35 larger end of the said vessel, a service opening through the upper portion of the said end, a supporting member adjustably fastened to the said end and projecting below the same to provide a support to hold the 40 said vessel in a draining position, means for adjusting the position of the said supporting member to vary the draining angle of the

said vessel.

20. A device of the class described, com- 45 closed mouth, a support comprising a leg projecting below the said tapering vessel and terminating in a foot adapted to rest on the surface of the bed to hold the said 50 vessel in a draining position, and means for adjusting the length of the said leg to vary the draining angle, an opening in the smaller end, means for closing the said opening and a detachable tube leading from the said 55 opening to a receptacle.

In testimony whereof, I have hereunto

subscribed my name.

CLAUDE W. BUCKLEY.

Witnesses: W. C. Montgomery, JACK HARRIS.