

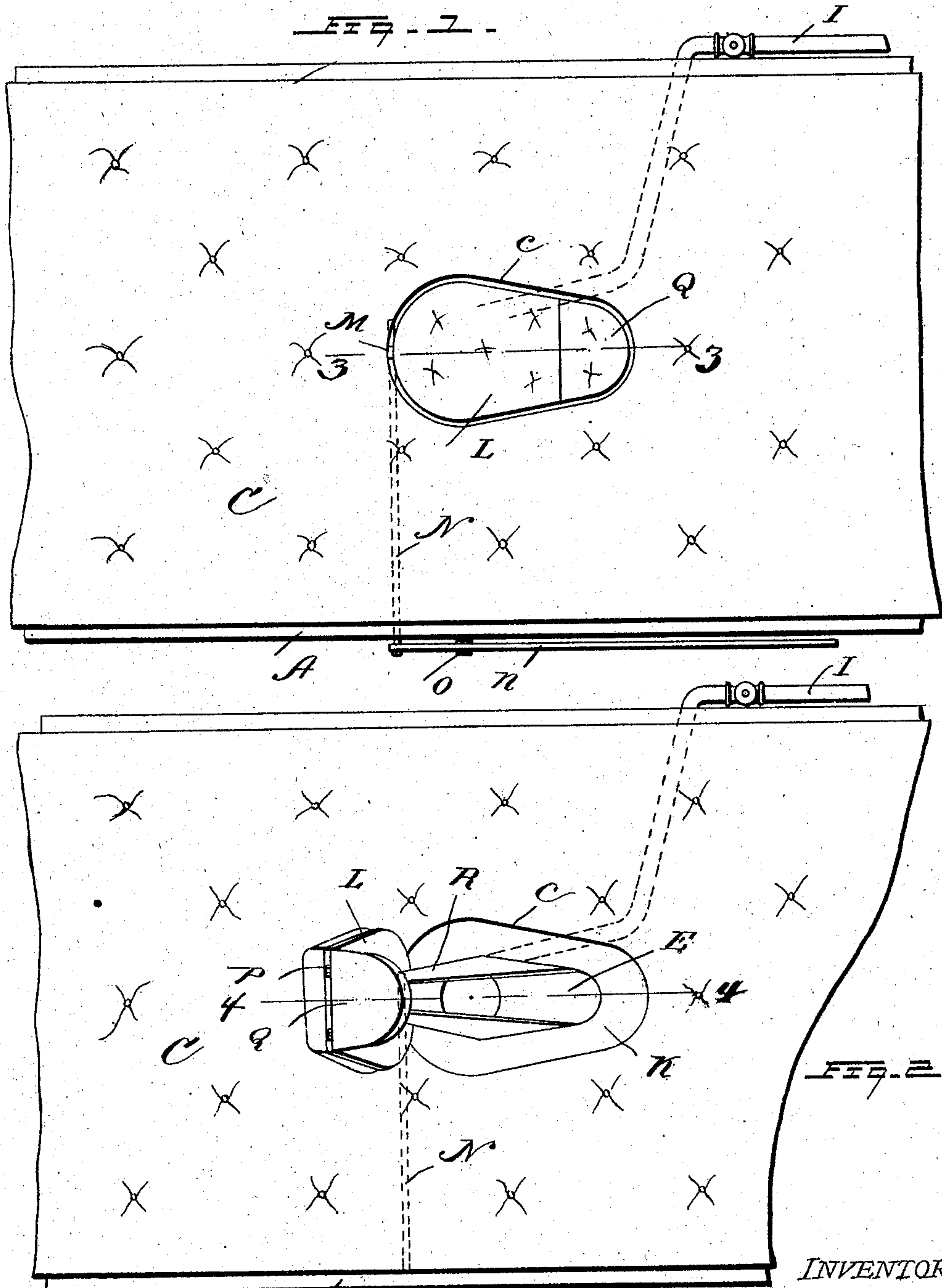
No. 815,481.

PATENTED MAR. 20, 1906.

N. E. SMITH.  
BED ATTACHMENT.

APPLICATION FILED JULY 18, 1905.

2 SHEETS—SHEET 1.



WITNESSES:

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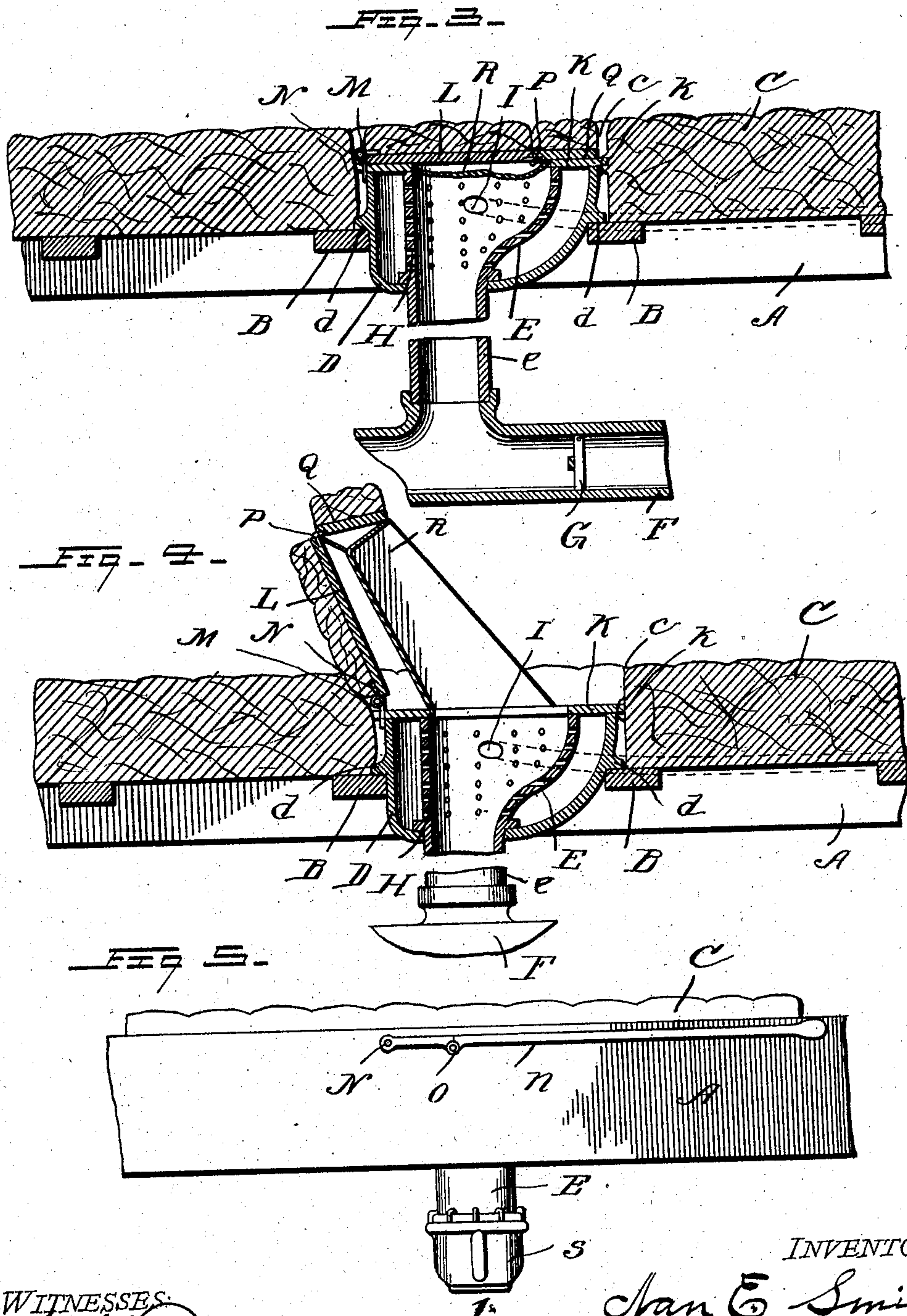
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# UNITED STATES PATENT OFFICE.

NAN ELMA SMITH, OF DOWELL, TEXAS.

## BED ATTACHMENT.

No. 815,481.

Specification of Letters Patent.

Patented March 20, 1906.

Application filed July 18, 1905. Serial No. 270,175.

*To all whom it may concern:*

Be it known that I, NAN ELMA SMITH, a citizen of the United States, residing at Dowell, in the county of Fisher and State of Texas, have invented new and useful Improvements in Bed Attachments, of which the following is a specification.

My invention is an invalid-bed, and more particularly an attachment in the nature of a bed-pan.

The object of the invention is to provide an article of this kind which is thoroughly sanitary and which can be used without discomfort and fatigue to the patient.

In the accompanying drawings, Figure 1 is a plan view of a bed provided with my attachment, showing it closed, and Fig. 2 is a similar view showing it open. Fig. 3 is a sectional view on the line 3 3 of Fig. 1. Fig. 4 is a sectional view on the line 4 4 of Fig. 2. Fig. 5 is an elevation of a modification.

Referring specifically to the drawings, A denotes the side rails of an ordinary bed, B the slats, and C the mattress. The latter is formed with a suitable opening *c* to receive the parts to be described.

D indicates a vessel which is located within the opening *c* and has on the outside a flange *d*, engaging the slats B, whereby it is supported. The bed-pan proper comprises a bowl-shaped vessel E, which is arranged inside the vessel D and has leg *e* extending through the bottom thereof and communicating with a sewer-pipe F, having a check-valve G to prevent backflow of the discharge. The wall of the vessel E is perforated, as at H, for the purpose of deodorization, the deodorizing agent being placed inside the vessel D. For flushing the vessel E a water-supply pipe I is provided which enters the vessel tangentially, the mouth of the pipe being upwardly presented, so that all parts of the vessel will be thoroughly washed when the water is turned on.

The top edges of the vessels D and E are covered by a rubber pad K, which has at its outer edge loops *k*, whereby it is sewed to the mattress. A lid L, covering both vessels, is also provided, said lid being hinged, as at M, to the vessel D. Means for raising and lowering the lid comprise a rock-shaft N, connected therewith and journaled at its outer end by being extended through the side rail

A. The lever *n* for operating the rock-shaft extends along the outside of the side rail and is of such length as to be within easy reach of the patient. The lever is in two pieces, pivotally connected at O, so that to raise the lid all the patient needs to do is to push forward on the lever, and this can be done without rising.

The lid is in two sections, which are connected by a hinge P to enable it to be more readily slipped from under the patient, the outer and shorter section Q dropping downwardly, as shown in Fig. 4, when the lid is raised. The top of the lid is suitably padded and extends flush with the mattress when closed.

R indicates a rubber shield, which is secured at one end to the top of the vessel E on the inside thereof, the outer end being connected by a tape or other suitable means to the lid. When the lid is raised, the shield is elevated, and being in the shape of a hood it extends around the mouth of the vessel E and forms a shield which effectively protects the mattress and bedclothes from being soiled when the bed-pan is in use. When the lid is closed, the shield hangs down into the vessel E.

In the modified form shown in Fig. 5 the lower end of the vessel E is fitted with a removable receptacle S by a bayonet or other suitable form of joint. This receptacle will be used where no connections can be made with a sewer-pipe.

Having thus described my invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. The combination with a mattress having an opening therein; of a vessel in said opening having a perforated wall; a deodorizer-holder surrounding said perforated wall; and a lid for the aforesaid vessel.

2. The combination with a mattress having an opening therein; of a vessel in said opening; and a lid hinged to the vessel, said lid comprising sections which are hinged together.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

NAN ELMA SMITH.

Witnesses:

J. D. SMITH,  
CHAS. S. MILLER.