

A. HOUDARD.
BED PAN.
APPLICATION FILED FEB. 8, 1910.

1,048,462.

Patented Dec. 24, 1912.

2 SHEETS—SHEET 1.

Fig. 1

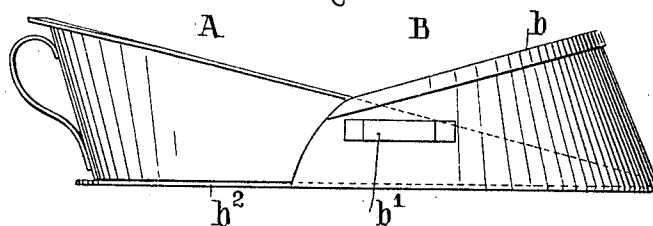


Fig. 2

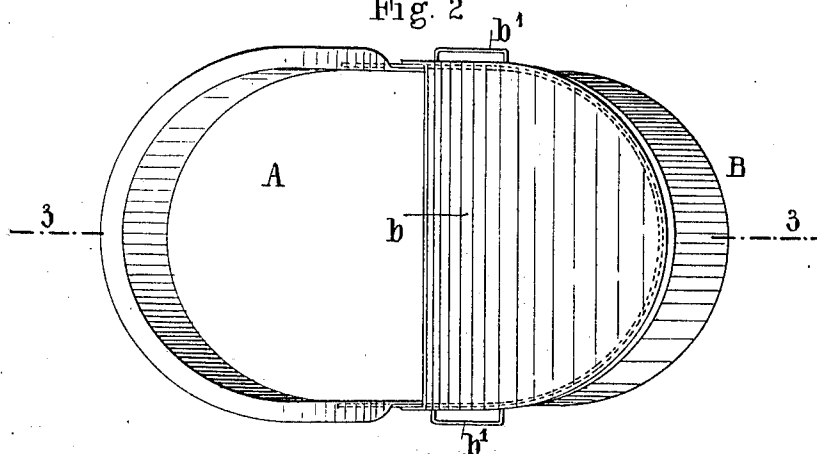


Fig. 3

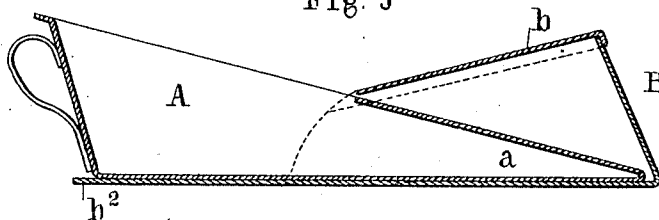


Fig. 8

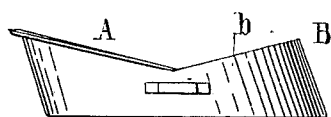
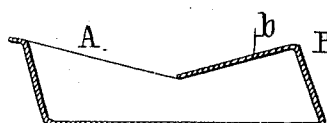


Fig. 9



WITNESSES

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2 SHEETS—SHEET 2.

Fig. 4

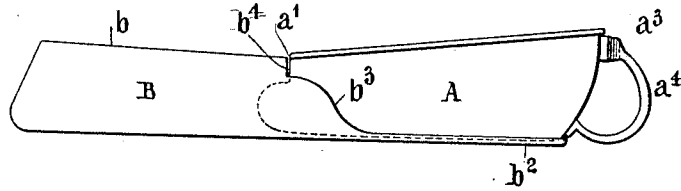


Fig. 5

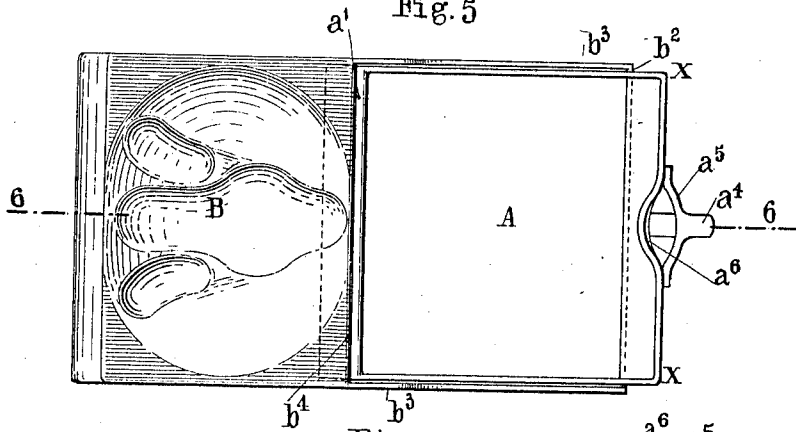


Fig. 6

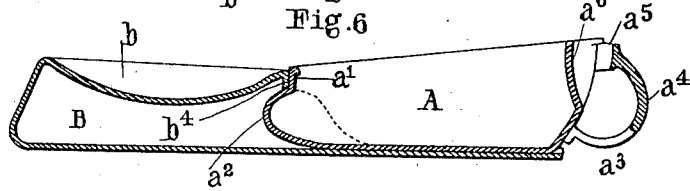
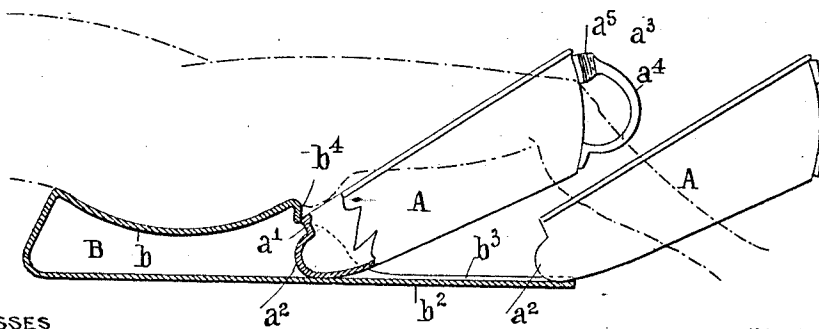


Fig. 7



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UNITED STATES PATENT OFFICE.

ADOLPHE HOUDARD, OF NEUFCHÂTEL, BRAY, FRANCE.

BED-PAN.

1,048,462.

Specification of Letters Patent.

Patented Dec. 24, 1912.

Application filed February 8, 1910. Serial No. 542,706.

To all whom it may concern:

Be it known that I, ADOLPHE HOUDARD, a citizen of the Republic of France, and resident of Neufchâtel-en-Bray, Seine-Inférieure, in the Republic of France, have invented new and useful Improvements in Bed-Pans, of which the following is a specification.

This invention relates to a bed pan characterized by the fact that it is provided with a seat having a declivity corresponding to the human structure and cavities for the reception of the bony and fleshy parts of the invalid, and thus enables him to remain, without fatigue and without pain, upon the apparatus for a prolonged period of time and be thus better able to bear the attentions which he receives than he can upon an ordinary basin.

By way of example a bed pan constructed according to this invention is described hereinafter with reference to the accompanying drawing in which:

Figure 1 represents it in elevation, Fig. 2 shows it in plan, Fig. 3 is a longitudinal section taken along the line 3—3 of Fig. 2, Fig. 4 shows in side view a modified construction of the bed pan, Fig. 5 is a corresponding plan, Fig. 6 is a section taken along the line 6—6 of Fig. 5, Fig. 7 indicates its method of use, Figs. 8 and 9 show on a reduced scale and in elevation and longitudinal section respectively a bed pan constructed according to a second modified construction.

The bed pan is composed of the pan or basin proper A, which in the case of Figs. 1 to 3 may be constructed like an ordinary basin, and of the seat B, provided with a platform *b* inclined in the opposite direction to the basin and upon which the invalid seats himself; this platform may be in one piece with the side wall of the seat or be movable thereon. The seat B is fixed to a base plate *b*² upon which is placed the basin A the front part of which *a* passes beneath the platform *b*. Side handles *b*¹ *b*¹ serve for carrying the seat about.

In the constructional form shown in Figs. 4 to 7, the front wall of the basin A has a vertical surface intended to bear against the front edge *b*⁴ of the seat B and an arched part *a*² catching under the platform *b* of the said seat; this special shape of the front of the basin allows it to be fitted to the seat when the person has seated himself on the

latter without fear of pinching the fleshy parts. This operation is conducted as follows: The basin is placed at an angle upon the front part of the base plate *b*² as shown in Fig. 7 and then slid under the fold which the thighs form to the edge *b*⁴ of the seat B until it comes in contact with this edge; the basin is then lowered into the horizontal position by rocking it about the arched part *a*² the curvature of which is such that the edge *a*¹ rises as it slides against the edge *b*⁴ which causes this edge *a*¹ to come under the fold of the thighs. The junction of the seat and of the basin is perfectly made and there is no fear of liquids passing between these two parts of the bed pan. The basin is provided at the rear with a handle *a*⁵ of special form which permits of its being well held in the hand. This handle is constituted by a part *a*⁴ the lower end of which is fixed directly to the basin and the upper end is connected thereto by an arched part *a*⁵ fixed opposite a depression *a*⁶ in the basin forming with this arched portion a seating for the thumb which is thus not exposed to risk of contact with the contents of the basin.

The platform *b* of the seat B may be constructed to correspond to the particular anatomy of each person, that is to say to present more or less deep cavities for the bony and fleshy parts, and these cavities may even be determined by a cast taken from the person for whom the bed pan is intended. It will be seen that this platform is raised at the rear and the hollow of the loins assures the passage of this part without its being necessary to make any effort. The platform of the seat of the bed pan shown in Figs. 1 to 3 may of course be constructed in the same way.

In the two examples described the bed pan and its seat may be made of the same material, in particular of enameled sheet iron or of nickel, or of different materials, the seat being subject to more strain than the pan since it has to support the invalid, may be made of stronger and more resisting material than the pan.

In the forms of the basin shown in Figs. 4 to 7 there are neither corners nor inaccessible recesses which conduces to perfect and certain cleaning and it can be easily emptied by one or other of the angles *a* *a* forming a spout.

The special construction of the bed pan in two independent parts, viz. pan and seat,

allows the invalid to be comfortably seated before attending to him and of carrying out the operation of emptying the pan without disturbing him. Notwithstanding these advantages however the pan and its seat may be made in one single piece as shown in Figs. 8 and 9 the platform *b* being movable or not upon the seat *B*. In any case the invention is not limited to details of construction which may vary without altering the spirit thereof.

Having now particularly described and ascertained the nature of the said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. A bed pan comprising a receiving basin and a body supporting platform in front of and inclined downwardly thereto, said platform having in its supporting face a general depression to receive the fleshy parts of the loins and having in said general depression a supplemental central longitudinal depression to accommodate the coccyx and on each side of said central depression a supplemental lateral depression to accommodate the thigh bones, substantially as described.

2. A bed pan comprising a receiving basin and a body supporting platform in front of and inclined downwardly thereto, said platform having in its supporting face a general depression to receive the fleshy parts of the loins and having in said general depression a supplemental central longitudinal depression to accommodate the coccyx and on each side of said central depression a supplemental lateral depression to accommodate the thigh bones, said central longitudinal depression being of materially greater length than the lateral depressions.

3. A bed pan comprising a receiving basin and a body supporting platform in front of and inclined downwardly thereto, said platform having in its supporting face a general depression to receive the fleshy parts of the loins and having in said general depression a supplemental central longitudinal depression to accommodate the coccyx and on each side of said central depression a supplemental lateral depression to accommodate the thigh bones, said lateral depressions having a general inclination toward and convergent upon said central depression.

4. A bed pan having an open receiving basin and a body supporting platform the latter having a general inclination from one end of the appliance down toward said receiving basin and the sides of the latter rising in the opposite direction from the lower edge of the supporting platform, substantially as described.

5. A bed pan comprising a receiving basin and a cooperating independent self-supported platform shaped to conform to the portion of the body supported thereon and having a general inclination downward toward said basin, said cooperating support and basin being independent of each other.

6. A bed pan comprising a receiving basin and a cooperating independent, self-supported platform shaped to conform to the portion of the body supported thereon and having a general inclination downward toward said basin, said cooperating support and basin being independent of each other, and a portion of said basin projecting under said supporting platform.

7. A bed pan comprising a receiving basin and a cooperating independent, self-supported platform shaped to conform to the portion of the body supported thereon and having a general inclination downward toward said basin, said cooperating support and basin being independent of each other, and the latter being furnished with a handle having a protective thumb loop, substantially as described.

8. A bed pan having independent self-contained basin and supporting platform members, said platform member being arranged in front of and having in assembled condition a general inclination downward to the basin member, a general depression in the face of said supporting platform to receive the fleshy portions of the body supported thereon, and supplemental bone accommodating depressions in said general depression, substantially as described.

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

ADOLPHE HOUDARD.

Witnesses:

GEORGES ELIE LÉSERT,
JACQUES LEJEUNE.