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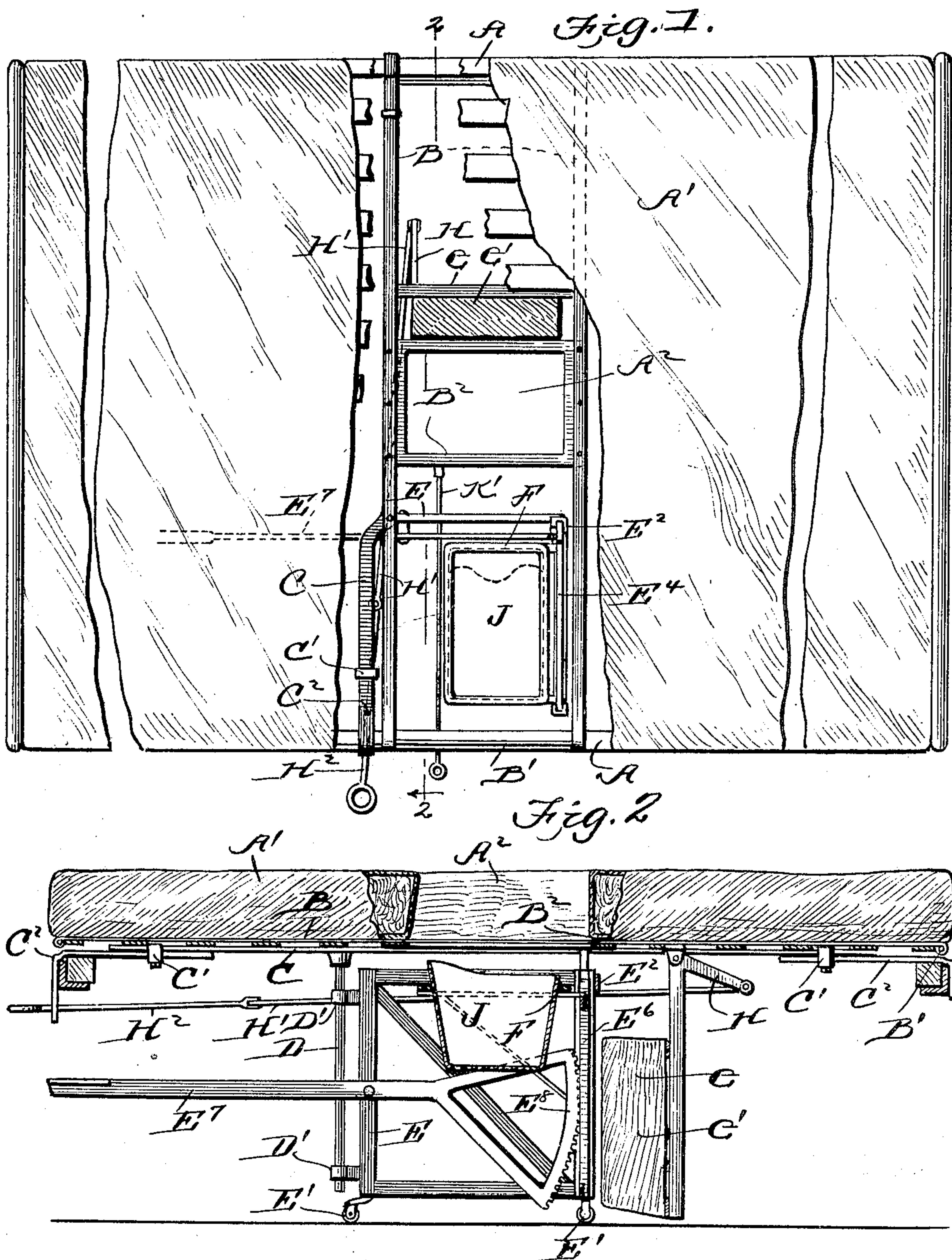
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BED PAN.

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WITNESSES:

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BED-PAN.

No. 828,754.

Specification of Letters Patent.

Patented Aug. 14, 1906.

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To all whom it may concern:

Be it known that we, JOHN LOPITSCH and FREDERICK NAUMANN, citizens of the United States, residing at Green Bay, in the county of Brown and the State of Wisconsin, have invented a new and useful Improvement in Bed-Pans, of which the following is a specification.

This invention relates to an adjustable bed-pan adapted to be supported under a bed, and includes a mattress specially constructed to be employed in combination with the pan.

The invention consists of the novel features of construction and combination of parts hereinafter set forth, pointed out in the claims, and shown in the accompanying drawings, in which—

Figure 1 is a plan view of a bed centrally broken away to show our device in position beneath it. Fig. 2 is a section on the line 2 2 of Fig. 1. Fig. 3 is a detail perspective view of a carriage or movable frame adapted to support the pan. Fig. 4 is a detail view of the end portion of a supporting-bar and a portion of a side rail of a bed. Fig. 5 is a perspective view of a portion of the mattress, showing the bottom of the same. Fig. 6 is a partial longitudinal section through the mattress.

In the drawings, A represents side rails of a bed, and A' the mattress. This mattress is centrally cut out, as shown at A². Metal strips B are arranged on the under side of the mattress and transversely with respect to the mattress, the strips being parallel and having their ends connected by bars B', which are sewed or stitched to the under side of the mattress A', as shown in Fig. 5. A rectangular frame B² is carried by the strips B, and the opening in the frame alines with that in the mattress.

A bar C extends transversely between the side rails of the bed, and in order that it may be applied to beds of various widths the bar C is connected adjacent its ends by means of a clip C' and set-screw to a clamping member C², which engages the adjacent side rail A. The bar C and clamping members C² being slidable on each other, the combined length of these parts can be adjusted to suit beds of different sizes.

A depending shaft D is carried by the bar C, and hinges D' connect a frame E to the shaft D. The frame E is provided with

casters E' and opposite its hinged end supports a second frame E² at right angles to the frame E. The frame E² has vertically-grooved end members, in which slide vertically a frame E⁴, the frame being provided also with horizontal and brace members E⁵. One of the vertical members of the frame E⁴ is provided with a rack E⁶, and a lever E⁷ is pivoted to the frame E and carries a toothed segment E⁸, which works on the rack E⁶. By depressing with the foot or otherwise the free end of the lever E⁷ the frame E⁴ is moved vertically in the frame E². The frame E⁴ carries a horizontal frame F, adapted to support a bed-pan J. The frames E, E², E⁴, and F will be termed collectively the "carriage," and serve to support the bed-pan J and move it into and out of its desired position. It will be noted that the pan thus supported will have both a horizontal movement through the swinging of the hinged frame E and a vertical movement through the lowering or raising of the frame E⁴. It will be obvious also that both of these movements can be given by means of the free end of the lever E⁷, since the lever is connected at its pivot-point to the hinged frame E.

When the lever E⁷ is swung under the bed into the position shown in dotted lines in Fig. 1, the pan J will be moved out of alignment with the opening A² in the mattress. To close this opening, we employ a frame G, pivoted to one of the bed-slats or otherwise pivotally secured beneath the bed, and this frame carries a section of mattress G' matching the mattress A'. An arm H is connected to the frame G, and pivoted to the free end of the arm H is a draw-rod or lever H', to which is pivotally connected a handle portion H², and by drawing the handle portion outwardly the section of mattress will be lifted upwardly into the opening A², closing the same, and thus making the mattress continuous. The handle portion H² can then be turned under the bed out of the way.

To lock the frame G in its horizontal position, we employ a catch K, operated by a push-rod K'. When the rod K' is pulled outwardly and the catch K withdrawn, the frame G will fall like a trap-door, and the bed-pan J can be swung back into alignment with the opening A².

The advantages of our construction will be obvious to those using devices of this character.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. The combination with a mattress having a cut-out portion, an adjustable bar arranged beneath and transverse to the mattress, a depending shaft carried by said bar, a wheeled frame pivotally connected to the shaft, and a receptacle movably carried by the frame and adapted to be brought into alinement with the opening.

2. A device of the kind described comprising a mattress having a cut-out portion, a hinged frame, a section of mattress carried by said frame and adapted to swing into and out of the cut-out portion, means for swinging the said frame and mattress-section into and out of place, a wheeled carriage adapted to be moved into alinement with the cut-out portion, a vertically-movable receptacle carried by the wheeled carriage, a rack-bar adapted to lift the receptacle vertically and a lever having a rack-segment formed there-

on, said lever being pivoted to the wheeled carriage and adapted to simultaneously move the carriage into position and also lift the rack-bar and the receptacle.

3. A device of the kind described comprising a mattress having an opening therein, a section of mattress adapted to be temporarily brought into said opening, a frame adapted to be swung under said opening, a second frame carried by and at right angles to the first, a third frame carried by and vertically movable in the second frame, a fourth frame carried horizontally by the third frame, a bed-pan mounted in the fourth frame, and a lever pivoted to the first frame and adapted to swing the same in a horizontal plane and to move the third frame vertically, as and for the purpose set forth.

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