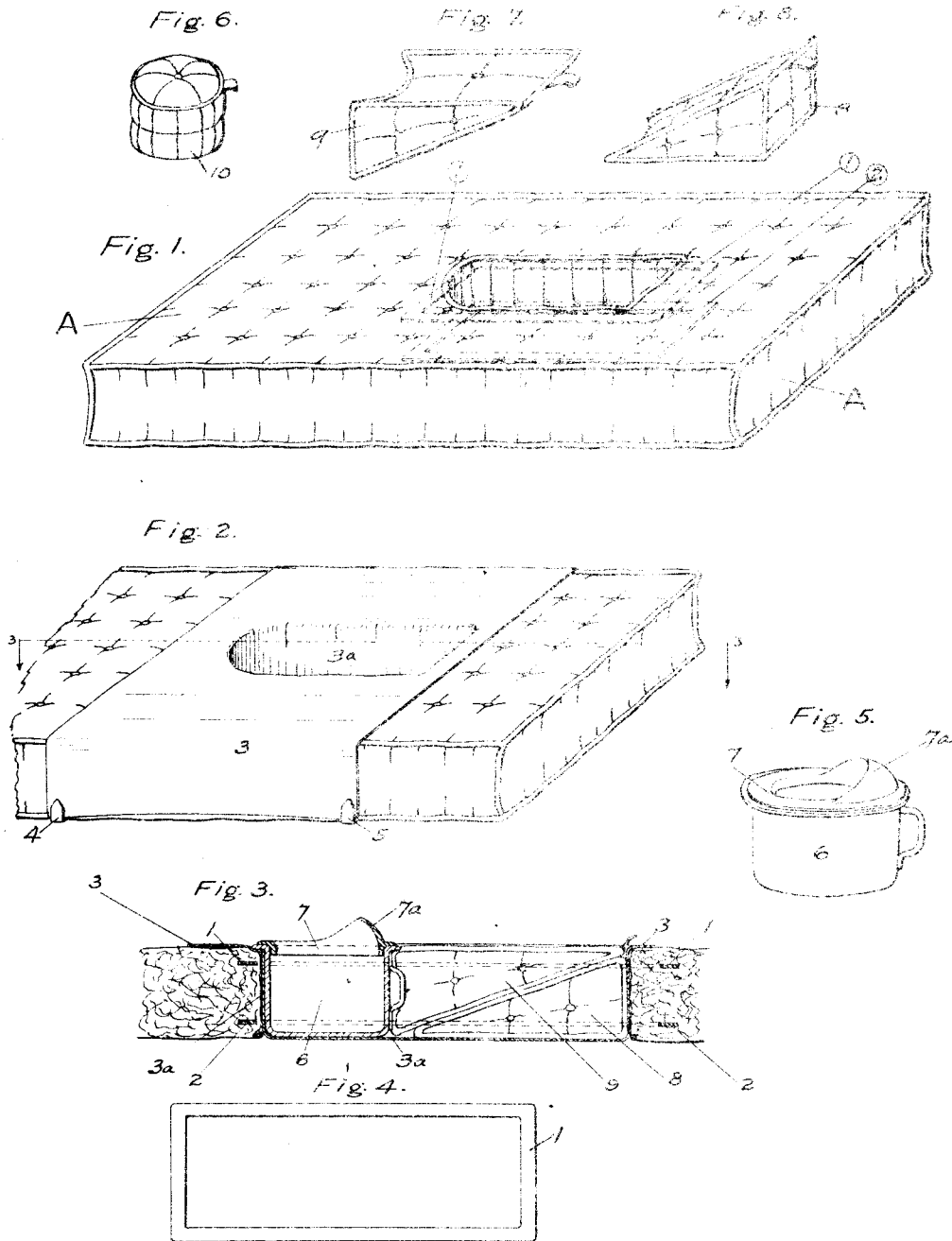


I. E. MALARKEY.
 REVERSIBLE SANITARY MATTRESS FOR INVALIDS.
 APPLICATION FILED JAN. 24, 1914.

1,107,683.

Patented Aug. 18, 1914.



Witnesses:

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UNITED STATES PATENT OFFICE.

ISABEL EDGAR MALARKEY, OF PORTLAND, OREGON.

REVERSIBLE SANITARY MATTRESS FOR INVALIDS.

1,107,683.

Specification of Letters Patent.

Patented Aug. 18, 1914.

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To all whom it may concern:

Be it known that I, ISABEL EDGAR MALARKEY, a citizen of the United States, and a resident of Portland, in the county of Multnomah and State of Oregon, have invented certain new and useful Improvements in Reversible Sanitary Mattresses for Invalids, of which the following is a specification.

My invention relates to certain new and useful improvements in mattresses which are especially designed for the use of invalids, and the invention primarily has for its object to provide a mattress that can be used on the ordinary type of bed without any reconstruction of the bed or of the bed springs, and in its generic nature, the invention provides a mattress having an opening through the same, the mattress being covered by a sheet of rubber or other suitable material, which sheet has a pocket that conforms to and fits within the opening in the mattress, there being also provided suitable plugs to fit in the pocket of the sheet and close the same whereby the upper surface of the mattress will be substantially flush throughout, one of the plugs being shaped in a manner that when removed the resultant opening will be such as to receive a vessel or chamber which is designed to fit therein.

In its more subordinate nature, the invention provides means for preventing spreading of the mattress around the opening, means for retaining the sheet in place and such other details of construction, arrangement and combination of parts, as will provide a ready and convenient assemblage of parts so that the vessel or chamber may be put into position, or removed and the corresponding plug inserted without disturbing the position of the patient on the bed.

In its further detailed nature, the invention also includes those novel details of construction, combination and arrangement of parts, all of which will be first fully described and then be specifically pointed out in the appended claims, and illustrated in the accompanying drawing, in which:—

Figure 1 is a perspective view of the mattress, the sheet and plugs being removed. Fig. 2 is a detail perspective view of a portion of the mattress with the sheet in position. Fig. 3 is a vertical longitudinal section taken substantially on the line 3—3 on Fig. 2, but showing the plugs and chamber in place. Fig. 4 is a plan view of one

of the reinforcing frames. Fig. 5 is a detail perspective view of a vessel or chamber adapted for use in connection with my invention. Fig. 6 is a detail perspective view of the plug which is used to fill up the chamber or vessel space when the vessel has been removed. Figs. 7 and 8 are detail perspective views of the wedge plugs that cooperate with the plug shown in Fig. 6, or the chamber shown in Fig. 5.

In the accompanying drawing, in which like numerals and letters of reference indicate like parts in all of the figures, A represents the mattress which is provided with a suitably located opening of suitable dimensions, the mattress around the opening, being reinforced by frames 1—2 that are embedded in the mattress structure.

3 designates a sheet of rubber, or other suitable material, which is extended transversely over the top of the mattress and upon the sides thereof, the sheet 3 being secured in place by suitable strap fastening devices 4—5. The sheet 3 is provided with a pocket 3^a shaped to closely conform to the dimensions of the mattress opening, the bottom of the pocket 3^a lying substantially in the same plane as the bottom of the mattress, the sheet 3 and pocket 3^a forming, as it were, a sanitary guard for the mattress structure.

8 is a wedge or filler block constructed of substantially the same material as the mattress, and the block 8 is adapted to fit into the pocket 3^a and cooperate with a second wedge filler block 9 that is also constructed of substantially the same material as the mattress, and lies in the pocket 3^a above the block 8.

10 is a filler block, that conforms generally in shape to the chamber or vessel 6, which is adapted to be located in the pocket 3^a in connection with the filler blocks 8—9, as shown in Fig. 3, it being understood that the plug or block 10 is employed when the vessel 6 is not in use. The plug 10 and filler blocks 8—9 are preferably provided with a covering of rubber cloth or other suitable fluid-proof material so that they may be washed should occasion require. The chamber or vessel 6 is of the ordinary construction excepting that it is provided with a ring or flange 7 that is fitted into the top of the vessel and is provided with a guard or lip 7^a to direct the matter into the vessel 6 and prevent its spilling over and soiling the bed

clothes, as will be clear to those skilled in the art. It will be noticed that the plug 9 has its deeper end curved to conform to the curvature of the vessel 6 or of the plug 10, as the case may be, so that when the vessel 6 is in position, as shown in Fig. 3, the plug 9 will, by engaging the vessel, serve to "lock" the vessel 6 in place, as it were, to prevent its accidental displacement.

10 By my construction, it will be observed, that the mattress is readily reversible and in order to reverse the mattress, the sheet 3 is removed, the mattress turned over, and the sheet 3 placed on the new upper side.

15 In practice, in order to locate the vessel 6 in the pocket 3^a, after the plug 10 is removed, it is only necessary to draw up the wedge 9. It is not necessary to remove the wedge block 8 unless it is desired to turn over the mattress.

20 From the foregoing description, taken in connection with the accompanying drawing, it is thought that the complete construction, uses and advantages of my invention will be clear to those skilled in the art to which the invention appertains and I desire it understood that the form of the invention herein disclosed is the preferred one, although slight changes in the details of construction and arrangement of parts may be made without departing from the spirit of the invention or the scope of the appended claims.

What I claim is:

35 1. A mattress having an opening through the same, a sheet secured over the mattress and having a pocket substantially conforming to the dimensions of said opening, a set

of filler members located in said pocket, said filler members including a pair of removable wedge blocks resting one on the other and a member of cylindrical form.

2. A mattress having an opening through the same, a sheet secured over the mattress and having a pocket substantially conforming to the dimensions of said opening, a set of filler members located in said pocket, said filler members including removable blocks resting one on the other, and a member of cylindrical form.

3. A mattress having an opening through the same, a sheet secured over the mattress and having a pocket substantially conforming to the dimensions of said opening, a set of filler members located in said pocket, said filler members including removable blocks made of resilient material and resting one on the other, and a member of cylindrical form.

4. A mattress having an opening through the same, a sheet secured over the mattress and having a pocket substantially conforming to the dimensions of said opening, a set of filler members located in said pocket, said filler members including removable wedge blocks made of resilient material and resting one on the other, and a member of cylindrical form.

In testimony whereof, I have hereunto set my hand in the presence of two subscribing witnesses.

ISABEL EDGAR MALARKEY.

Witness,

ED KENGE.

DOROTHEA REBE.