

Nov. 15, 1927.

1,649,754

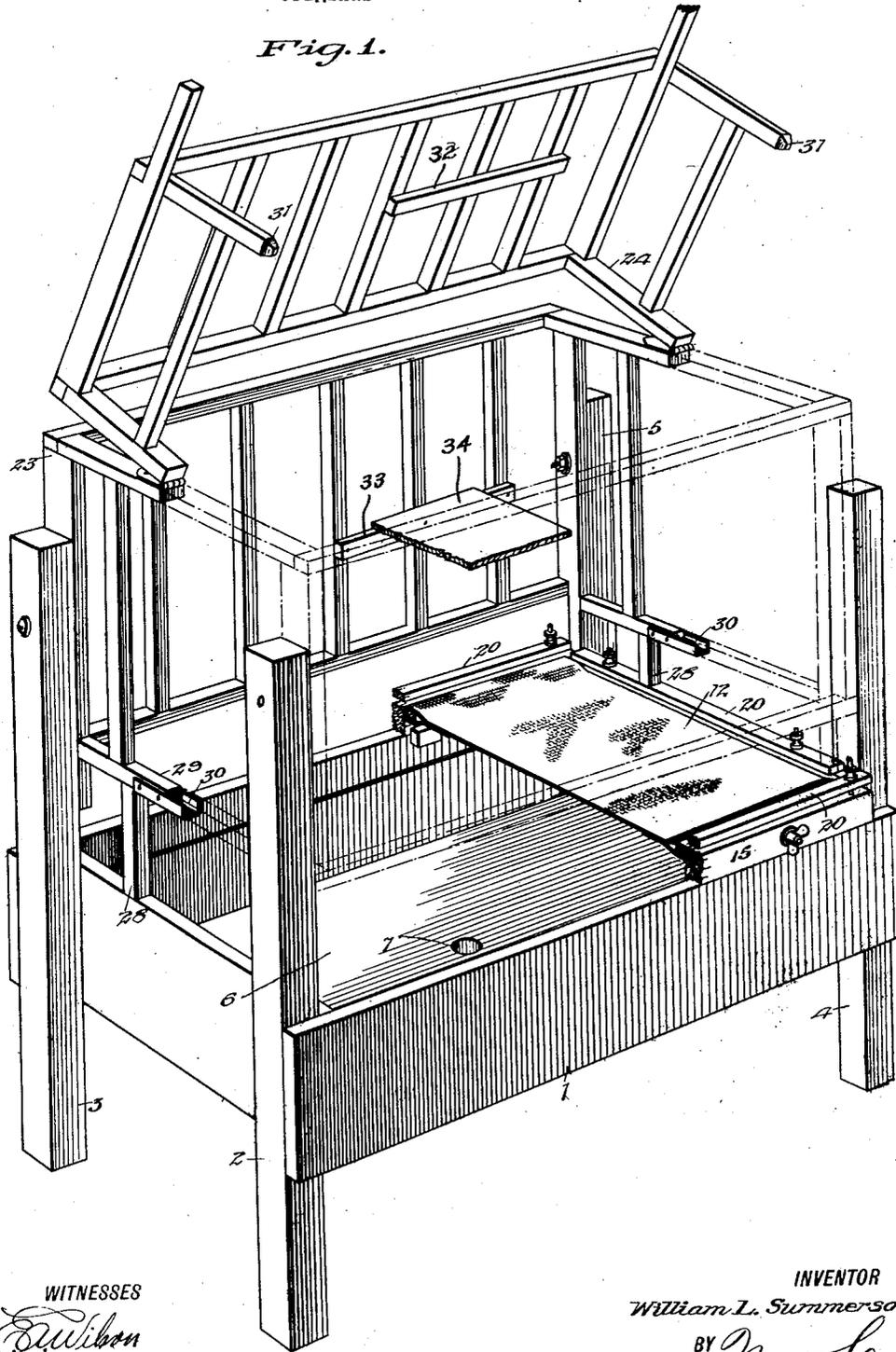
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BABY'S BED

Original Filed March 25, 1922

2 Sheets-Sheet 1

Fig. 1.



WITNESSES

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Fig. 2.

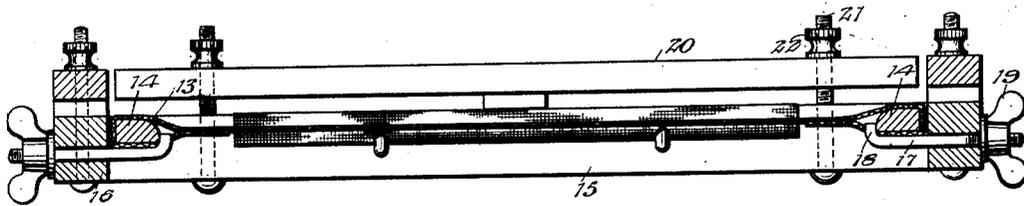


Fig. 3.

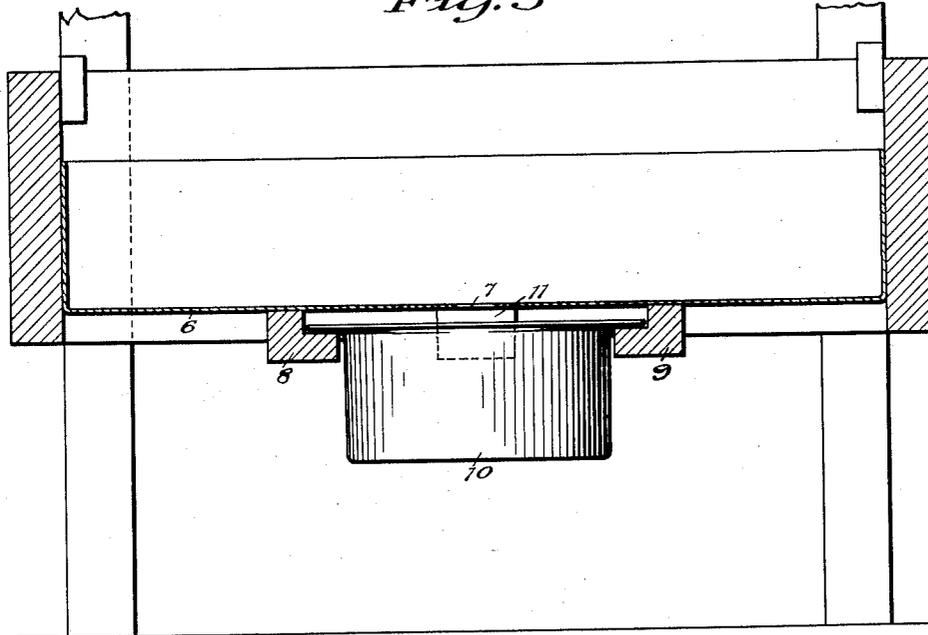
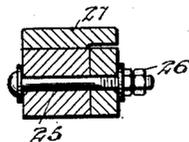


Fig. 4.



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UNITED STATES PATENT OFFICE.

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BABY'S BED.

Application filed March 25, 1922, Serial No. 546,743. Renewed December 6, 1926.

This invention relates to a baby's bed, and has for an object the provision of a bed construction in which the baby is so supported that if there is a tendency for the bed clothing to become wet a minimum amount of discomfort results.

Another object resides in the provision of means whereby if such an action takes place as mentioned above the resultant labor and effort required on the part of the person taking care of the baby will be reduced to a minimum.

A further object resides in the provision of means whereby the bedclothes may be permanently fastened to prevent their coming off through the movement of the child.

A still further object resides in the provision of means whereby the bed can be provided with a simple and easily removable frame so that the baby cannot fall out of the bed.

Another object resides in the provision of means whereby this frame can be moved while in place on the bed to permit access to the child.

A further object resides in the provision of means whereby this enclosing frame may be removed and placed on the floor to function as a play pen.

A still further object resides in the provision of means whereby the fabric supporting the baby is mounted in the frame and can be very readily removed from the bed to be cleaned.

Another object resides in the provision of a construction whereby any moisture produced is absorbed to a minimum degree by the bedclothes and is collected in a simple manner for ready removal.

A further object resides in the particular construction and arrangement of parts which are hereinafter described and claimed and shown in the accompanying drawings.

The invention is illustrated in the drawings, in which—

Figure 1 is a perspective view of the bed showing the body-supporting frame cut away.

Fig. 2 is a section taken through the body supporting frame.

Fig. 3 is a section through the bed with the body-supporting frame removed showing the means whereby any moisture or liquid is readily collected.

Fig. 4 is a section through one of the posts of the bed showing the pivotal rela-

tion between the post and the enclosing frame.

The form of the invention shown in the drawings is a preferred form, although it is understood that modifications in the construction and arrangement of the parts and in the character of the materials used may be adopted without departing from the spirit of the invention.

The invention as illustrated in the drawings comprises a frame 1 supported on four posts, such as 2, 3, 4 and 5. Within this frame is suitably supported a shallow metallic receptacle such as 6 having an aperture 7 in the bottom, preferably in the middle, the bottom of the receptacle being ever so slightly sloped to permit any liquid contained therein to drain out through the aperture 7. Beneath the bottom of the receptacle are disposed a pair of longitudinal cleats 8 and 9 acting as guideways for a pan or vessel 10 to be supported thereby and beneath the aperture 7 whereby any liquid draining from the pan 6 will be received in said vessel 10. A stop cleat 11 is disposed to limit the movement of the vessel 10 as it is pushed forward on the cleats 8 and 9 so that it can be accurately positioned beneath the aperture 7.

The bed of the child is to be supported on a suitable sheet of fabric such as 12, which may be of lining cotton, canvas, or other suitable material. This fabric is formed with a fold or casing such as 13 along its edges to receive stiffening or reinforcing members such as 14, which may be strips of wood or other material. This fabric or sheet 12 is adapted to be supported in a frame comprising two side members such as 15 and end members such as 16 joined together in any manner to form a substantially rectangular frame. At intervals throughout these members rods or pins 17 extend therethrough with hooks 18 on the end. These hooks are adapted to engage the reinforcing members 14. The other ends of the rod 17 are threaded to receive winged adjusting nuts such as 19 whereby the fabric may be supported within the frame to any desired degree of tension.

In order to clamp the bed clothes properly so that the movements of the child will not cause them to be displaced, I provide a strip such as 20 along each upper edge of the frame. This strip may be adjusted any desired distance above the frame by means of

bolts 21 and nuts 22. These strips are preferably provided along at least three sides of the frame. By loosening the nuts 22 the bedclothes can be inserted between the frame and the clamping bars 20 and then the nuts 22 tightened to hold the bedclothes in place. The fabric 12 on which the baby is supported is sufficiently flexible to provide a variable support and yet by reason of its thinness and porosity will absorb very little moisture or liquid which may be produced, which, if any is produced, will pass immediately to the pan 6 and out to the receptacle 10, which can readily be removed at any time. This avoids the distribution of moisture by a thick mattress which very soon becomes unsanitary and which is very hard to clean. It is a simple matter to loosen the winged nuts 19 and remove the fabric. It is equally simple to replace a soiled sheet with a fresh one. In addition, the pan 6, when properly cleaned, can be used as a bathtub for the baby. The fact that there is plenty of space beneath the fabric permits proper ventilation so that the baby is kept cool at all times and does not have to lie on a thick, hot mattress.

Disposed above the top of the frame is a pen or enclosing frame made in two sections, designated roughly by the numerals 23 and 24. This is formed in any desired manner, and the section 24 is pivoted, as shown, to the section 23 so that it can be raised to permit ready access to the child, after which it can be lowered to the position shown in dot-and-dash line in Fig. 1 to enclose the child. The section 23 is pivoted to two of the posts of the bed frame by means of a bolt 25 and a nut 26. A stop member or plate such as 27 limits the movement of the frame 23 so as to cause it automatically to stop in the right position. The lower members of the frame, such as posts 28, are adapted to rest on the top of the fabric-supporting frame. The ends of section 23, such as 29, are provided with channel plates 30 to receive the adjacent ends, such as 31, of the frame 24 so as to guide them together to aline the two sections. The particular design of the enclosing frame or pen is immaterial. This pen, by removing the bolts 25, can be lifted off the bed and placed on the floor to act as a play pen for the child.

The sections 23 and 24 of the pen or enclosing frame are provided with cleats 32 and 33 on which, when the sections are in

their normal position, a tray or other platform such as 34 may be disposed. This is useful for the purpose of providing a place to receive the food of the child if it has to eat its meals while confined within the pen, whether the pen is disposed on the bed frame or on the floor. It also acts as a table while the child is playing within the pen, if the child is seated on a chair within the pen.

It will, therefore, be seen that I have provided a simple, efficient bed construction, parts of which are adapted for many uses. It provides a simple, sanitary construction for children. The lining and clothing when soiled can be very readily removed and cleaned and fresh ones substituted.

What I claim is:

1. A bed construction which comprises a bed frame having an open bottom, a sheet metal receptacle removably mounted in said frame and extending across the opening in said frame and provided with a restricted aperture, said receptacle closing the opening in the bed frame and provided with side and end walls snugly engaging the inner walls of the bed frame and cooperating with the bed frame to form a chamber, and a detachable frame mounted on the upper edge of the bed frame above the receptacle and having a sheet of fabric stretched across said frame to support a body thereon and forming a closure for the chamber in the bed frame whereby said chamber is substantially completely enclosed.

2. A bed construction which comprises a bed frame having an open bottom, a sheet metal receptacle removably mounted in said frame and extending across the opening in said frame and provided with a restricted aperture, said receptacle closing the opening in the bed frame and provided with side and end walls snugly engaging the inner walls of the bed frame and co-operating with the bed frame to form a chamber, a detachable frame mounted on the upper edge of the bed frame above the receptacle and having a sheet of fabric stretched across said frame to support a body thereon, and adjustable means for maintaining the frame taut and for drawing the edges of the fabric in close contact with the detachable frame for causing the fabric to enclose the chamber to prevent substantially the escape of air from the chamber.

WILLIAM L. SUMMERSON.