

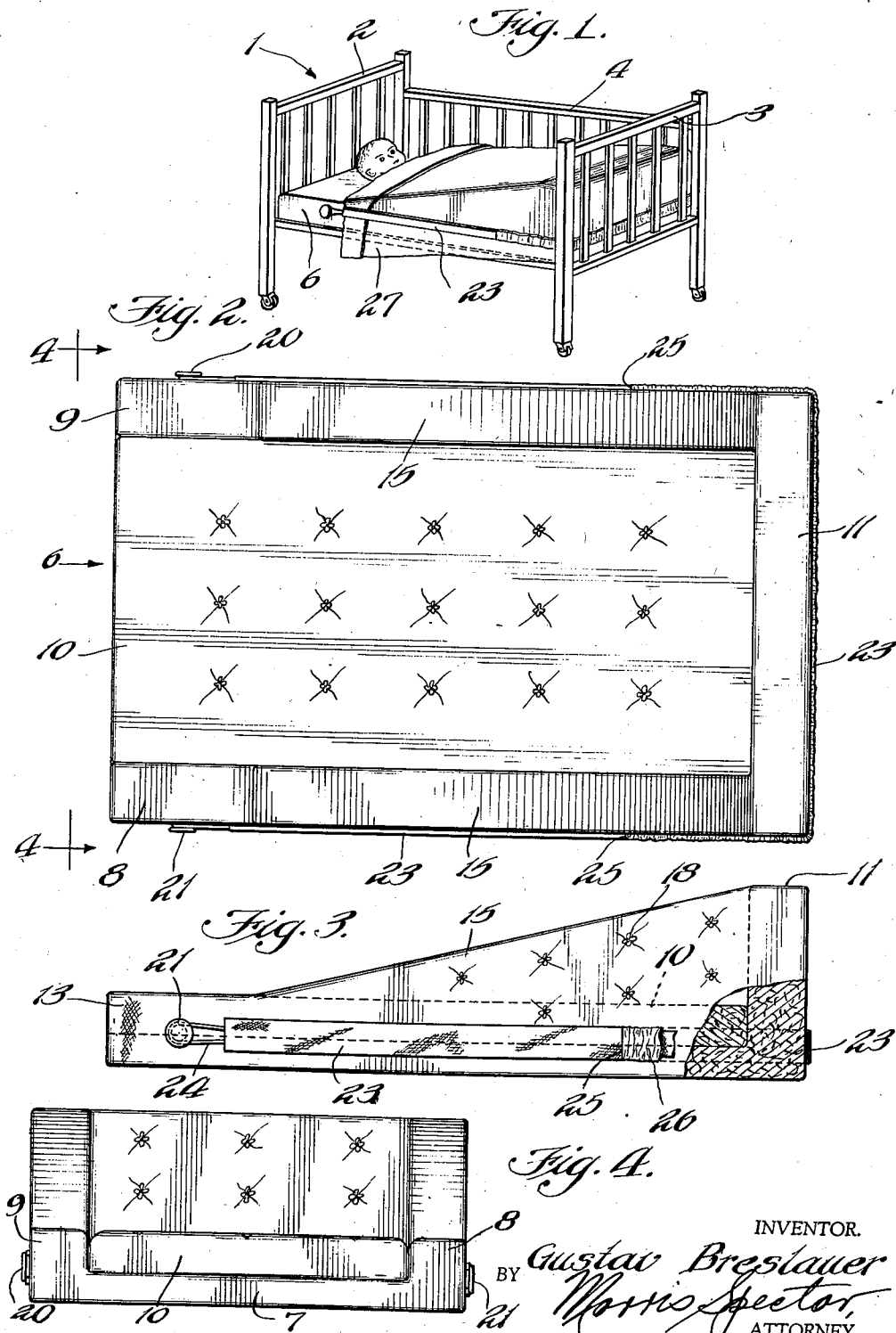
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MATTRESS

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MATTRESS

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5 Claims. (Cl. 5—345)

This invention relates to mattresses in general and more particularly to mattresses for use in babies' cribs, although it is to be understood that the invention is not limited to such use since it is capable of use in a bassinet. Also, the principles of the present invention are applicable to mattress construction in general, such as mattresses for young children's beds and even mattresses for adults' beds.

It is one of the objects of the present invention to provide a mattress structure so arranged that the bed clothes may be supported in elevated position over the feet of the occupant of the bed and supported out of contact with the feet of the occupant. As a result the weight of the bed clothes does not exert a pressure upon the feet of the occupant of the bed. This is particularly advantageous in the case of an infant or a young child.

It is a further object of the present invention to provide a structure of the above mentioned character the sides of which are so arranged as to inhibit heat transfer so that the occupant of the bed will be kept quite warm.

It is a still further object of the present invention to provide a structure of the above mentioned character over which the bed clothes may be placed and held firmly against displacement.

It is a still further object of the present invention to provide a mattress structure having elevated sides at the foot portion of the bed which, with the bed clothing, can form an air pocket to keep the occupant of the bed warm and wherein the bed clothes though elevated at the foot of the bed taper downwardly towards the head of the bed to come in contact with the occupant and thus protect the chest and neck of the occupant from cold.

While the principles of the present invention are particularly applicable to a mattress structure for accomplishing the above mentioned results, that is, wherein the sides and foot portion are made of mattress material, it is within the purview of the present invention to make the sides and back portion of non-mattress material such as, for instance, of wood. This still preserves the features of maintaining the bed clothes elevated from the feet of the occupant of the bed and of preventing displacement of the bed clothes due to restlessness of the occupant of the bed, while at the same time permitting some heat transfer, as may be desirable during the summer months.

The attainment of the above and further ob-

jects of the present invention will be apparent from the following specification taken in conjunction with the accompanying drawing forming a part thereof.

In the drawing:

Figure 1 is a perspective view of a portion of a child's crib in which a mattress of the present invention has been placed;

Figure 2 is a plan view of the mattress of Figure 1;

Figure 3 is a side view; and

Figure 4 is an end view of the mattress, said view being taken at the head portion of the bed along the line 4—4 of Figure 2 and looking in the direction of the arrows.

In Figure 1 there is shown at 1 an ordinary standard type of baby's crib, which may have the usual type of bed spring therein, said crib having a head portion 2, a foot portion 3, a side portion 4 and, perhaps, an additional side portion between the head and foot portions, opposite the side portions 4. This may, however, be omitted if desired. A mattress 6 embodying the present invention is placed within the crib, said mattress resting upon the usually provided crib spring. The mattress 6 includes a base 7 having similar sides 8 and 9 extending upwardly therefrom to form a shallow rectangular trough in which a usual type of mattress pad 10 is removably placed. The sides 8 and 9 are joined by a back 11. The pad 10 lies between the sides 8 and 9 and against the back 11, as is apparent from the drawing. The sides 8 and 9 terminate flush with the top pad 10, adjacent the front of the mattress to form horizontal sills 13 extending a short distance from the head of the bed. The sides 8 and 9 are then inclined upwardly, as indicated at 15, so that at the foot of the bed the sides are of a height a little in excess of the length of foot of the occupant of the bed. Thus in one crib made by the applicant the back 11 was at a height approximately eight inches above the top of the pad 10, so that the sides 15 tapered from a height eight inches above the pad 10 at the back of the mattress to zero inches above the pad adjacent the head of the mattress and a short distance from the head end of the mattress, that is, at the point where the sills 13 join the inclined portion 8. The base 7 of the mattress, sides 8 and 9, and inclined sides 15, as well as the back 11, constitute one unitary mattress structure tufted in the usual manner, as by tufts 18. This, of course, is optional.

Oversized buttons 20 and 21 are secured to the outer sides of the side portions 8 and 9. A strap

23 having loops 24 looped around the buttons 20 and 21 extends from the button 21, along the side 8, along the back 11 and then along the side 9 from the button 21 to the button 20. That part of the strap 23 which extends along the back 11 and from the back to the points 25—25 is preferably of elastic material, like rubber, so that the strap is elastic. The elastic strap permits some stretching of the strap. The strap is preferably encased in a casing of cloth or the like, the cloth being shirred, as indicated at 26, to permit stretching of the strap. The bed covers 27 rest upon the inclined sides 15 and are then passed between the mattress and the strap 23. The covers are thus securely but releasably held in place by the strap and are held in elevated position, above the feet of the occupant of the bed by the sides 15—15 and the back portion 11 of the mattress. The bed covers 27 extend over the back 11 of the mattress, on the outside of the mattress, that is, between the mattress and the rear wall 3 of the crib.

The entire mattress unit may be removed from the crib and used in any convenient place outside of the crib. This is due to the fact that the mattress together with the pad 10 has sufficient resiliency to provide the necessary cushion effect. If desired the base portion 7 of the mattress may contain inner springs, as is usual in some types of mattress.

It is within the purview of the present invention to provide side structures such as 15—15 joined by a back foot structure 11 for use in any type of beds. The side structures are preferably of mattress material but not necessarily so. They may be made of metal or of wood. Of course, mattress type sides have more desirable heat insulating properties but in some instances this is not necessary.

The mattress of the present invention holds the bed covers suspended above the feet of the child in the bed. This allows ample space for air circulation under the covers while at the same time protecting the child from drafts. It allows the child almost complete freedom for kicking and other movement under the covers and prevents the child from disarranging the covers or uncovering himself. The cover tapers downwardly towards the neck and chest of the child and thus prevents escape of the warm air from beneath the covers 27. In case of sickness hot water bottles or an electric pad can be secured to the sides 15 or to the back 11, as needed.

In compliance with the requirements of the patent statutes I have here shown and described a preferred embodiment of my invention. It is, however, to be understood that the invention is not limited to the precise construction here shown, the same being merely illustrative of the principles of the invention. What I consider new and desire to secure by Letters Patent is:

1. In a bed, a bed mattress comprising a base portion having longitudinally extending sides forming a shallow trough for receiving a bed pad, at the head of the mattress said sides being of a height substantially equal to the thickness of a bed pad, said sides tapering from adjacent the head of the mattress to a maximum height at the foot of the mattress sufficient to support

bed covers above the feet of an occupant of the bed mattress, said base and sides constituting one integral structure of mattress material, and means for holding bed covers across the tapered sides of the mattress.

2. A mattress comprising a base portion having longitudinal sides extending upward from the base to form a shallow trough for receiving a bed pad, said sides being tapered vertically upward from adjacent the head end of the mattress towards the foot end and being joined at the foot end of the mattress by a transverse side which extends upwardly from the base to substantially the maximum height of said longitudinal sides whereby said longitudinal and transverse sides constitute means for supporting bed covers suspended above the feet of an occupant of the mattress and declining towards the neck and shoulders of the occupant of the mattress, said sides and base constituting one integral structure of mattress material.

3. A mattress comprising a base having substantially the same average thickness at the foot end of the base as at the head end thereof, said mattress having an upstanding rim along the sides and along the foot end of the mattress, said rim being of maximum height above the top of the mattress base at the foot end of the bed and tapering to a minimum height above the top of the mattress base towards the head end of the mattress, the height of the rim at the foot of the mattress being sufficient to support bed covers elevated over the feet of an occupant of the bed.

4. A mattress comprising a base having substantially the same average thickness at the foot end of the base as at the head end thereof, said mattress having an upstanding rim along the sides and along the foot end of the mattress, said rim being of maximum height above the top of the mattress base at the foot end of the bed and tapering to a minimum height above the top of the mattress base towards the head end of the mattress, said rim being of mattress material and an integral part of the mattress and extending to a height at the foot of the mattress sufficient to support bed covers elevated over the feet of an occupant of the bed.

5. A mattress comprising a base having substantially the same average thickness at the foot end of the base as at the head end thereof, said mattress having an upstanding rim along the sides and along the foot end of the mattress, said rim being of maximum height above the top of the mattress base at the foot end of the bed and tapering to a minimum height above the top of the mattress base towards the head end of the mattress, said rim being of mattress material and an integral part of the mattress and extending to a height at the foot of the mattress sufficient to support bed covers elevated over the feet of an occupant of the bed, and means for resiliently holding bed covers in place across said rim, said means comprising a tensioned strap releasably secured to the mattress and extending along the sides and across the foot end of the mattress rim.

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