(No Model.)

A. C. WIERENGA.

ATTACHMENT FOR BEDS.

No. 492,249. Patented Feb. 21, 1893.

Fig. 1.

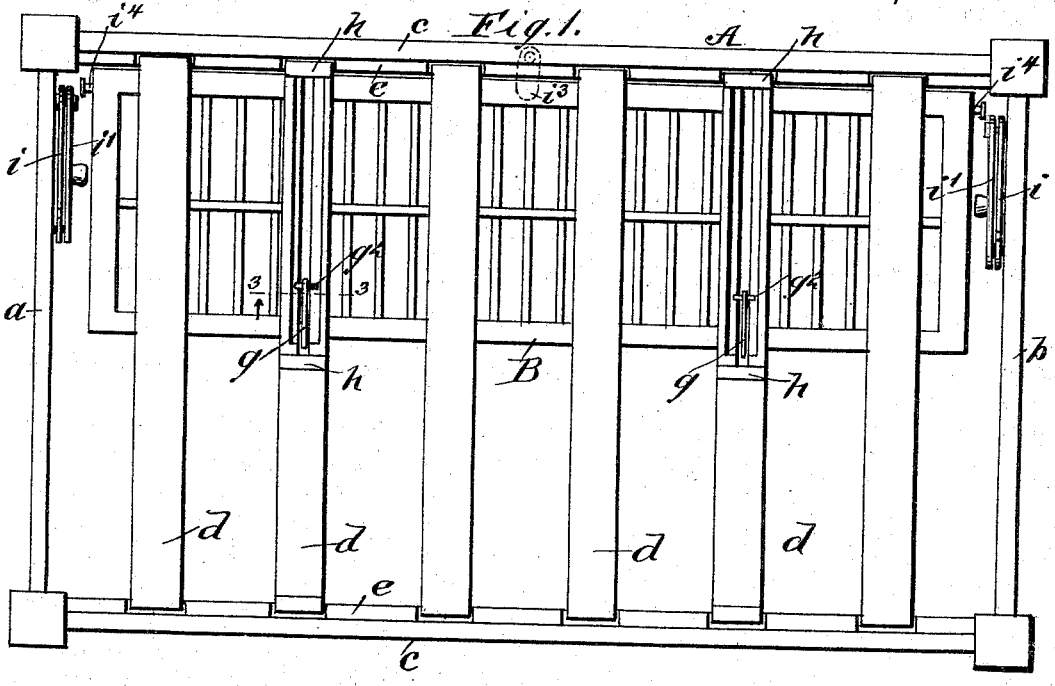


Fig. 2.

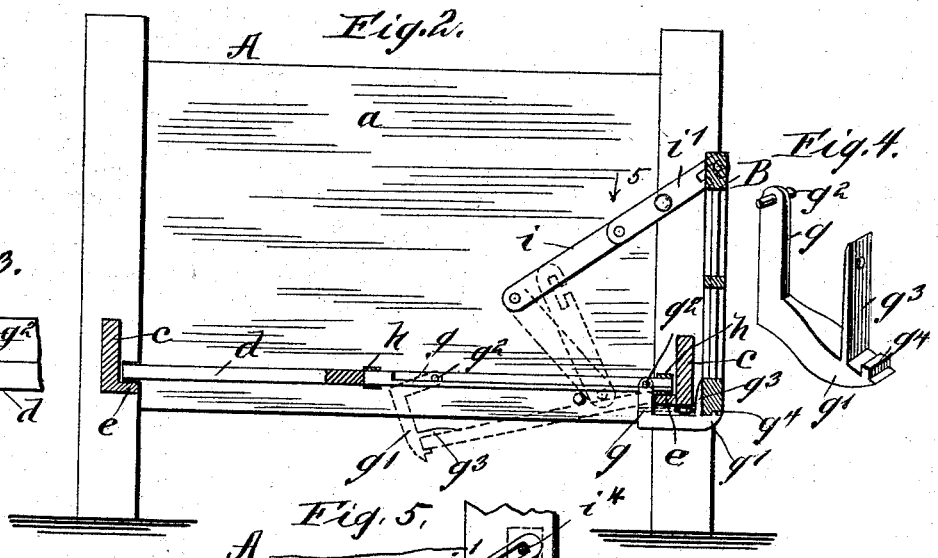


Fig. 4.

Fig. 3.

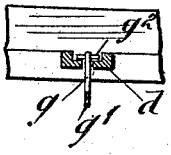
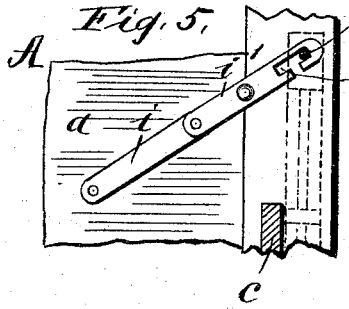


Fig. 5.



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ATTACHMENT FOR BEDS.

SPECIFICATION forming part of Letters Patent No. 492,249, dated February 21, 1893.

Application filed October 24, 1892. Serial No. 449,859. (No model.)

To all whom it may concern:

Be it known that I, ARIE C. WIERENGA, of Zeeland, in the county of Ottawa and State of Michigan, have invented a new and useful Attachment for Beds, of which the following is a full, clear, and exact description.

This invention relates to a novel adjustable attachment for a bedstead, that will afford a safe-guard to prevent children from falling out of an ordinary bed that is provided with the improvement; the device being adapted for a speedy change of position to adjust it for service or remove it from a vertical position at the side of the bed.

The invention consists in the construction of parts, and their combination together and with a bedstead, as is hereinafter described and claimed.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of a bedstead having the improvement attached to it and adjusted to remove it from the side of the bed; Fig. 2 is a view in cross section of a bedstead and the improvement, showing the latter adjusted for use by full lines, and removed from the bed-side by dotted lines; Fig. 3 is a longitudinal sectional view broken, of a bed-side rail, a bed bottom slat, and part of the improvement on the latter, taken on the line 3—3 in Fig. 1; Fig. 4 is a detached perspective view of a detail of construction that is part of the improvement; and Fig. 5 is a detached, broken, partly sectional view of part of the head board of a bedstead, and a portion of the novel attachment connected with it.

The bedstead A, may be of any preferred make that is not adapted to fold, or of a kind known as open beds, having a headboard *a*, footboard *b*, side rails *c*, and transverse bottom slats *d*, the latter named parts resting with their ends upon ledges *e*, on the inner surfaces of the side rails, in the usual way.

The novel attachment consists in part of a light strong rectangular frame B preferably slatted as shown, but may be constructed of a single board if desired. Said frame is of such a proportionate length as will allow it to vibrate freely between the head and foot-boards of the bedstead when in position on the latter.

Two, or if needed a greater number, of similar hangers are provided for the adjustable connection of the frame B, with the bedstead. To this end, the hangers, one of which is shown detached in Fig. 4, are each bent "L" shaped, producing two main limbs *g*, *g'*, at right angles to each other. The limbs *g* are flattened, and near their free ends are transversely perforated to receive cross pins such as g^2.

The bed bottom slats *d*, that are to be engaged by the hangers, are each longitudinally slotted from near one end toward the opposite end, and a shallow recess is produced along each edge of a slot on the top side of the slat, as indicated in Fig. 3, and preferably an encircling band *h*, is secured around the end of each slat where the slot in it terminates, so as to prevent the slats from splitting, a similar band *h*, being placed at the other terminal of each slot that may be near the longitudinal center of the slat, as shown in Figs. 1 and 2. The other limbs *g'*, of the hangers are thickened as indicated in Fig. 4, and a pad g^3, is formed on each of said limbs; these pads being secured at the side of the frame B, along the edge that will be lowermost when the frame is in an upright position at the outside of a bed-side rail *c*, as represented in Fig. 2. By preference a rib g^4, is formed on the portion of the limb *g'*, that projects outwardly from the pad g^3, on each hanger; said ribs being designed to enter a notch in the lower edge of the frame, and coact with the pads to retain the hangers in firm connection with the frame B.

On the head-board *a*, and foot-board *b*, of the bedstead A, similar folding braces are loosely secured for the support of the frame B, at its ends when it is in use as a guard wall along the side of the bed. These braces each consist of two link plates *i*, *i'*, that are lapped together by an end portion of each, and pivoted where lapped as represented in Figs. 2 and 5. One end of the jointed links of one brace is pivoted upon the head-board *a*, and a link end of the similar brace is oppositely pivoted upon the foot-board *b*, both on the inner surfaces of said boards. The other end portions of the folding braces, that

may be projected toward the side of the bed, are notched to produce a latch hook on each, these notches i^3, being formed on the lower edges of the braces, that intersect short longitudinal slots therein so that a secure locking engagement of the outer ends of the braces may be effected, by their hooked connection with a stud i^4 on each end of the frame B, near the edge that will be uppermost when the braces are latched thereto.

When the frame B, is to be adjusted for use as a guard for the side of the bedstead near which a child is to be placed in the bed, the frame is drawn outwardly from below the bed slats, where it is sustained as will be further mentioned, the hangers sliding toward the side rail of the bedstead. The frame that is thus projected outwardly beyond the bed side rail is now rocked upwardly, the peculiar shape of the hangers on its then lower edge, permitting such an adjustment, as the limbs g' of said hangers will then lie directly below the bed rail.

It will be seen, that the frame B, when not in service as a guard at the side of the bedstead whereon it is placed, may be swung below the bed slats, and be completely concealed from view, the hangers that depend from the cross pins g^2, being slid toward the center of the bed slats they engage, when the frame is to be transferred from an upright to a horizontal position, the relative adjustment of parts in both positions being indicated by full and dotted lines respectively in Fig. 2. Preferably a turn button i^3, is utilized as a means for supporting the frame B in a nearly horizontal position, said piece being pivoted upon the lower edge of the bed side rail c, as shown by dotted lines in Fig. 1, so that a part revolution of the same on its pivot will locate it below the edge of the frame to sustain it.

By the use of the improved attachment hereinbefore described, an ordinary bedstead may do service as a crib for small children, which is a matter of great convenience in many cases; the erection of the frame B, serving as a guard to prevent the infant from falling out of the bed at the side it is placed, while the other side may be occupied by the mother or nurse.

Many small bed rooms will not admit the location of a child's crib along side of the ordinary open bed that is occupied by the parents of an infant or small child; by the provision of this improvement, the expense and inconvenience of a crib are obviated and equal safety afforded.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination with a bedstead, of angular hangers having a pivoted and sliding connection with the slats of the bedstead, and a frame secured to the hangers, whereby provision is made for swinging the frame under the bedstead when not in use, substantially as specified.

2. The combination with a bedstead, of angular hangers, one member of which has a pivoted and sliding connection with the slats of the bedstead, a frame secured to the other members of the hangers, and means for securing the frame in an upright position at the side of the bedstead or in a nearly horizontal position under the bedstead, substantially as described.

3. The combination with a bedstead having slotted slats, of hangers having a sliding and rocking engagement with the slotted slats, a frame secured to the hangers, and braces secured to the head and foot board and adapted to engage the frame to hold it in an upright position, substantially as described.

4. In a side guard for open bedsteads, the combination with the bedstead frame, and slotted bottom slats thereon, of an elongated frame, hangers attached at one side edge of the frame and in sliding and rocking engagement with the slotted slats, folding braces pivoted on the head-board and foot-board of the bedstead, and adapted to detachably interlock with studs on the ends of the movable frame, and a turn button on the bed rail adapted to support one edge of said movable frame, substantially as described.

5. A guard for bedsteads comprising an elongated frame, L-shaped hangers secured to the frame and provided with a cross pin in one member for their connection with slotted slats of a bedstead, and hinged braces adapted to be secured to the head and foot board of a bedstead and to engage the frame to hold it in an upright position, substantially as described.

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Witnesses:
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