No. 755,264. PATENTED MAR. 22, 1904.

A. WILCHER.

ATTACHMENT FOR BEDSTEADS.

APPLICATION FILED MAR. 9, 1903.

NO MODEL. 2 SHEETS—SHEET 1.

Fig. 1.

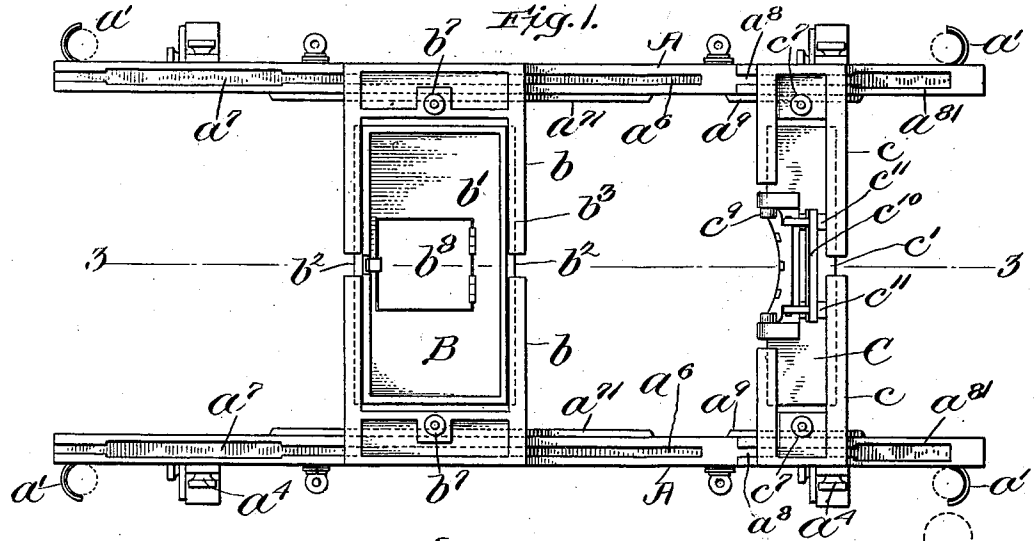


Fig. 2.

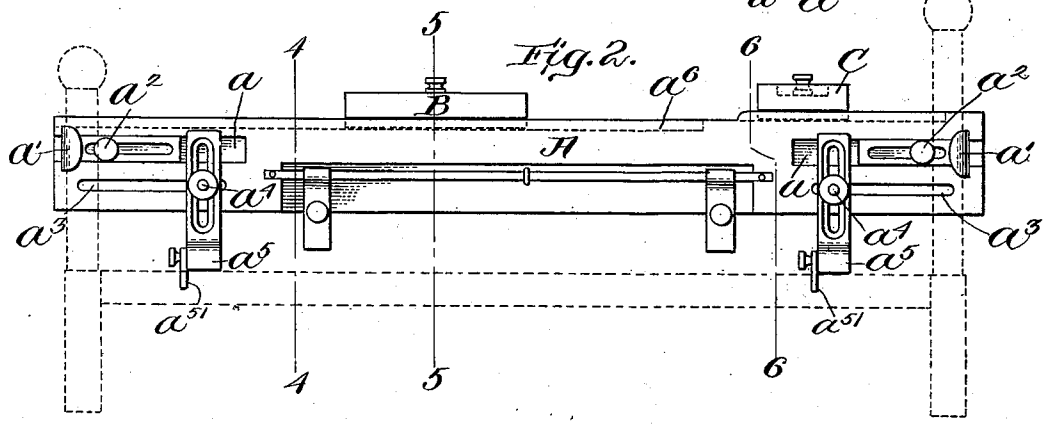
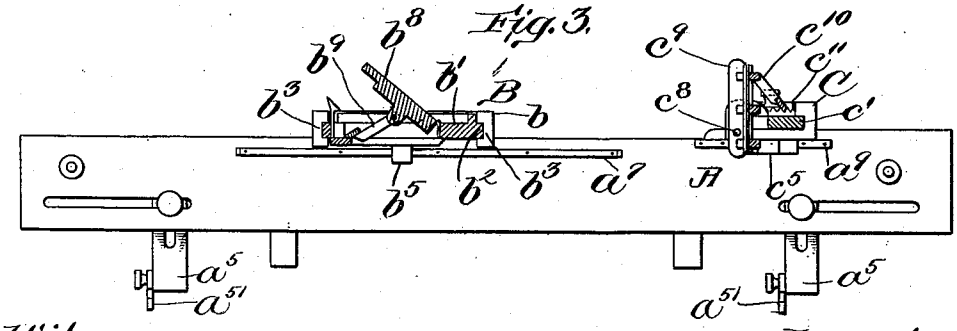


Fig. 3.



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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

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NO MODEL. 2 SHEETS—SHEET 2.

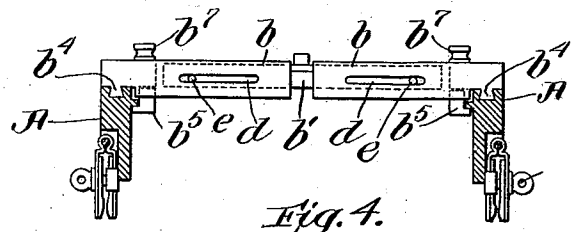


Fig. 4.

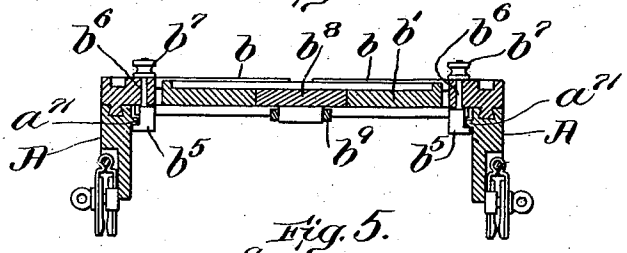


Fig. 5.

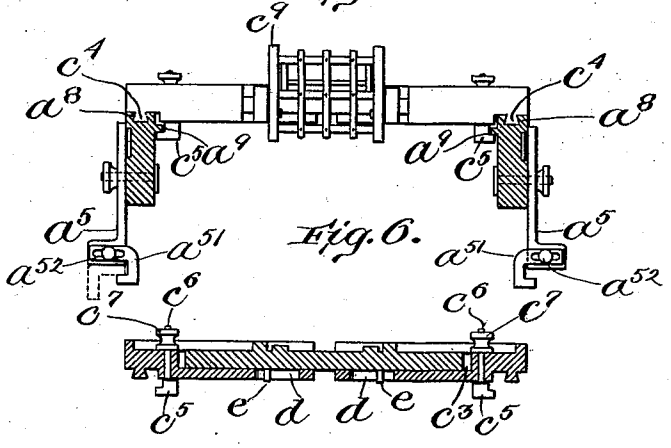


Fig. 6.

Fig. 7.

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No. 755,264. Patented March 22, 1904.

UNITED STATES PATENT OFFICE.

ASA WILCHER, OF EVERETT, MASSACHUSETTS.

ATTACHMENT FOR BEDSTEADS.

SPECIFICATION forming part of Letters Patent No. 755,264, dated March 22, 1904.

Application filed March 9, 1903. Serial No. 146,845. (No model.)

To all whom it may concern.

Be it known that I, ASA WILCHER, a citizen of the United States, and a resident of Everett, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in Attachments for Bedsteads, of which the following is a specification.

My invention relates to bedsteads; and its object is to provide an attachment for bedsteads equipped with conveniences for the use of the occupant of the bed and also for the use of the attendant or person in charge of the occupant.

My device is particularly adapted to use in the care of invalids or children.

My attachment comprises a pair of side bars each provided at its ends with means for detachably engaging the ends of a bedstead and also one or more extensible cross-bars mounted on the side bars, each equipped with appliances and conveniences of the character presently to be described. In the best form of my invention the side bars and cross-bars are made adjustable lengthwise, so that the attachment may be expanded or contracted to fit bedsteads of different sizes. Preferably also two cross-bars are employed, which are mounted at their ends on the side bars with provision for movement or adjustment lengthwise of the latter, and one of these two cross-bars carries a back-rest and the other a table.

In the following description my invention is set forth in detail, and the novel features thereof are pointed out and defined in the claims.

In the accompanying drawings, illustrating an embodiment of my invention, Figure 1 is a plan view of my improved attachment for bedsteads. Fig. 2 is a side view of the attachment shown in Fig. 1. Fig. 3 is a section on line 3 3 of Fig. 1. Fig. 4 is a section on line 4 4 of Fig. 2. Fig. 5 is a section on line 5 5 of Fig. 2. Fig. 6 is a section on line 6 6 of Fig. 2. Fig. 7 is a longitudinal sectional view of the cross-bar shown in Fig. 6.

Having reference to the drawings, A A represent the two side bars of my new attachment for bedsteads. Each side bar A at each end thereof is formed with a groove a upon its outer side, in which is mounted an adjustable hook a', held in position by a clamp a^2. As shown by dotted lines in Fig. 2, each hook a' is adapted to engage one of the posts of a bed. Each side bar A is made with slots a^3, in each of which is mounted a clamp a^4, by which a slotted leg a^5 is fixed to the side bar with provision for vertical and sidewise adjustment thereof. By means of the legs a^5 the side bars are supported at the proper height above the bed, while the hooks a' hold them in place on the bedstead.

B and C represent the cross-bars which carry the conveniences to be used by the occupant of the bed. The cross-bar B comprises three main parts b, b, and b'. The middle section b' is made with tongues b^2, mounted in grooves b^3, provided on the end sections b. Each end section b upon its under side is made with a tongue b^4, which engages a groove a^6 in one of the side bars A. Upon the inner side of each side bar A is provided a tongue a^{71}, which is engaged by a jaw b^5, provided on the end of a bolt b^6. At its upper end each bolt b^6 is threaded and carries a nut b^7, by means of which the jaw b^5 may be drawn up tightly against the tongue a^{71}, so as to clamp the cross-bar B in any desired position along the grooves a^6. The central portion of the middle section b' of cross-bar B is made up of a hinged section b^8, to the under side of which is pivotally connected a frame b^9. This section b^8 is adapted to be supported by the frame b^9 in the inclined position shown in Fig. 3 and to be used as a desk or a rest for a book or the like. When not used for this purpose, the frame b^9 may be swung up against the under side of the section b^8 and the latter lowered into the same plane with the rest of the section b', so that a perfectly flat table may also be provided when desired. Each groove a^6 is enlarged, as at a^7, near one end of its bar A, so as to provide a gate through which the tongues b^4 may be withdrawn when it is desired to remove the cross-bar B.

The cross-bar C, like the cross-bar B, is made in three main sections, comprising two end sections c and a middle section c'. The middle section c' fits into grooves c^3, provided

upon the end sections *c*. Each end section *c* upon its under side is provided with a tongue c^4, which engages a groove a^8, provided upon the top edge of one of the side bars A. Upon the inner side of each side bar A is provided a tongue a^9, which is engaged by a jaw c^5, provided upon the lower end of a bolt c^6. The upper end of the bolt c^6 is threaded and has mounted on it a nut c^7, by means of which the jaw c^5 may be clamped firmly against the tongue a^9, so as to fix the end section *c* to the side bar A. The grooves a^8 are each open at one end, so that the tongues c^4 may be removed from the grooves a^8 when it is desired to remove the cross-bar C either at the end of said groove or through a gate a^{81}. Pivoted at c^8 is a back-rest c^9, to the upper end of which is pivotally connected a frame c^{10}. The lower free end of the frame c^{10} is adapted to engage with racks c^{11}, provided upon the upper face of the middle section *c'*, and by engagement with said racks to support the back-rest in any desired angular position.

The end sections of each cross-bar B and C are made with slots *d*, which engage pins *e*, projecting from the middle section of said cross-bars. These pins and slots limit the movement of the two end sections away from each other, and thereby prevent them becoming separated.

My new attachment is readily expanded or contracted to fit beds of different lengths and different widths. When it is not desired to use the cross-bars, they may be moved along the slots to the ends of the side bars out of the way of the occupant of the bed, or they may be entirely removed without necessitating the removal of the side bars A. Upon each leg a^5 is mounted a hook a^{51}, which engages the side bar of the bed, as indicated in Fig. 6, wherein the side bar of the bed is represented by dotted lines. Each hook is adjustably fastened to its leg a^5 by a clamp a^{52}, so that the hook may be adjusted according to the position and width of the side bar of the bed. These hooks a^{51} serve to prevent upward displacement of the attachment, and thereby aid in holding it in place.

What I claim is—

1. An attachment for bedsteads comprising a pair of side bars; means for detachably fastening the side bars to a bedstead, and an extensible cross-bar mounted on the side bars and adapted to be used by the occupant of the bedstead.

2. An attachment for bedsteads comprising a pair of side bars; means for detachably fastening the side bars to a bedstead, and an extensible cross-bar secured to the side bars with provision for adjustment longitudinally thereof.

3. An attachment for bedsteads comprising a pair of side bars; means for detachably fastening the side bars to a bedstead above the side rails of the latter, whereby they can be placed in position and removed at will, and two extensible cross-bars adjustably mounted on the side bars, one of which is provided with a back-rest and the other with a table.

4. An attachment for bedsteads comprising a pair of extensible side bars; means for detachably fastening the side bars to a bedstead, an extensible cross-bar, and a back-rest on said cross-bar.

5. An attachment for bedsteads comprising a pair of side bars; means for detachably fastening the side bars to a bedstead; an extensible cross-bar mounted upon said side bars; means for adjusting said cross-bar longitudinally of the side bars; and a back-rest on said cross-bar.

6. An attachment for bedsteads, comprising a pair of extensible side bars; means on said side bars for engaging the ends of a bedstead; an extensible cross-bar; means for fastening the ends of the cross-bar to the side bars with provision for adjustment of said cross-bar longitudinally of the side bars, and a back-rest on said cross-bar.

7. An attachment for bedsteads, comprising a pair of side bars; means on the said side bars for engaging the ends of a bedstead; a cross-bar fixed at its ends to the side bar; an adjustable section on the said cross-bar, and means for supporting said section in an inclined position.

8. An attachment for bedsteads comprising a pair of side bars; means for detachably fastening the side bars to a bedstead; one or more cross-bars carried by the side bars and adapted to be used by the occupant of the bedstead, and legs on the side bars for engaging the side rails of a bedstead to support the side bars above the side rails.

9. An attachment for bedsteads comprising a pair of side bars; means for detachably fastening the side bars to a bedstead; an extensible cross-bar mounted on the side bars and adapted to be used by the occupant of the bedstead, and legs on the side bars for engaging the side rails of the bedstead to support the side bars above the side rails.

Signed by me at Boston, Massachusetts, this 6th day of March, 1903.

ASA WILCHER.

Witnesses:
ROBERT CUSHMAN,
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