E. HANSEN.

COMBINATION CHAIR AND BED.

APPLICATION FILED OCT. 18, 1917.

1,297,683. Patented Mar. 18, 1919.

Fig. 1.

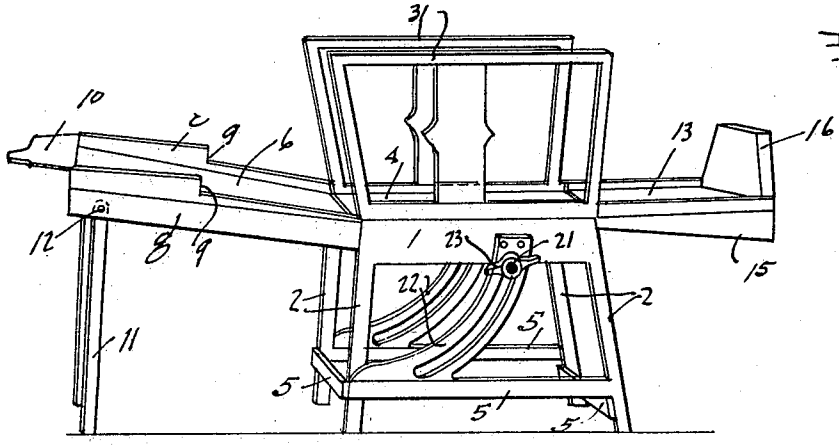


Fig. 2.

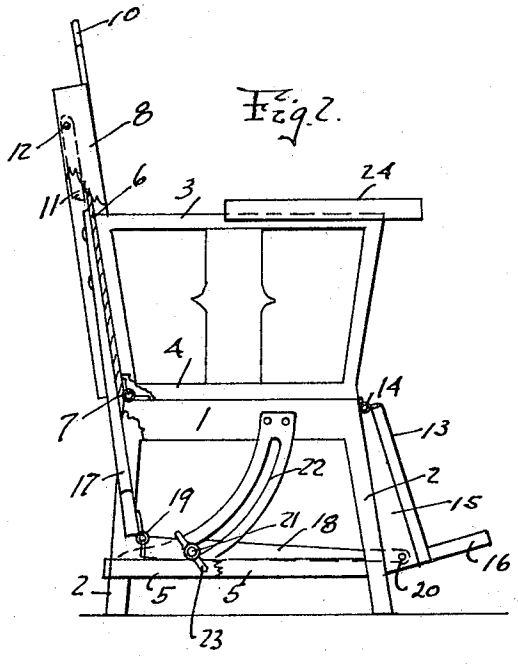
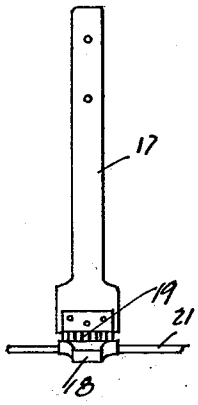


Fig. 3.



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COMBINATION CHAIR AND BED.

1,297,683. Specification of Letters Patent. Patented Mar. 18, 1919.

Application filed October 18, 1917. Serial No. 197,302.

To all whom it may concern:

Be it known that I, EDWARD HANSEN, a citizen of Sweden, residing at Seattle, in the county of King and State of Washington, have invented certain new and useful Improvements in Combination Chairs and Beds, of which the following is a specification.

This invention relates to improvements in combination chair and bed and has for its principal object to provide an improved and novel type of chair which may be folded in such a way as to form a cot or bed; to provide in a combination bed and cot, novel spring means for assisting in normally returning the device to the chair position. Another object of my device is to provide simple and cheap means of constructing a child's chair which is easily converted into a cot.

Other objects will appear as my invention is more fully explained in the following specification, illustrated in the accompanying drawing and pointed out in the appended claim.

In the drawings, Figure 1 is a perspective view of my device shown as a cot or bed. Fig. 2 is a side elevation of the device shown as a chair with parts broken away. Fig. 3 is a fragmentary front elevation of the operating mechanism of the device.

Referring more particularly to the drawings, numeral 1 indicates side frames having legs 2 and upstanding side arms 3. The side frame, legs and arms are arranged in parallel pairs and are held in spaced relationship by means of a chair bottom 4 and leg braces 5. To one end of the chair bottom 4, a back 6 is hinged as at 7 and is provided with side members 8 which are cut away as at 9 to leave space for the end of the side arms 3 to project past the shoulder of the side members 8. A head rest 10 is secured to the front end of the back 6. It will be noted that side members 8 extend outwardly beyond the back 6 and that a false back 11 is hinged as at 12 intermediate the side members 8 and outside of the back 6. The false back is dropped down and used as a leg when the device is in the cot position as shown in Fig. 1 and folds in against the back 6 when in the chair position as shown in Fig. 2. At the opposite end of the chair bottom 4, a foot extension 13 is hinged as at 14. Foot extension 13 is provided with tapered side boards 15 which when in the chair position rest against the front legs 2 in order to hold the foot member at the proper angle. When in the cot position, the foot extension member 13 is held in the same plane as the chair bottom 4. A foot rest 16 is secured at right angles to the member 13 and is utilized to support the foot when in the chair position and as a foot board when in the cot position. It will be understood that the outside width of the side frames of the chair are the same as the outside widths of the foot extension member and of the back so that the device when in either position presents a continuous side line. The operating mechanism for converting the device from a chair to a cot or vice versa, includes a back lever 17 which is secured to the back 6 and which extends well down below the back and nearly to the members 5 when in the chair position. A link 18 is secured at one end to the lower end of back lever 17 by means of a spring hinge 19 and is pivoted at the front end to a rod 20 which passes through side boards 15. It will thus be seen that the back portion and the foot rest portion of the device are connected by link and lever means. Tension rod 21 passes through link 18 adjacent spring hinge 19 and is slidably retained at its ends in slotted quadrants 22, one on the outside of each side frame 1. Thumb nut 23 serves to tighten up or set the tension rod 21 in order to retain the lever 18 in any desired position of its travel. It will be understood that the slots in quadrants 22 are arranged in such a way that as the back is thrown down about the hinge point 7 and the lever 17 and link 18 straighten out the tension rod 21 will travel freely in the slots. The spring 19 tends to draw the lever 17 and link 18 into position shown in Fig. 2 and thereby materially assists in returning the device from cot position to chair position. A child's high chair table 24 may be slidably used upon tops of arms 3 when the device is in chair position. This table is removable.

While I have shown a particular form of embodiment of my invention, I am aware that many minor changes therein will readily suggest themselves to others skilled in the art without departing from the spirit and scope of the invention and I therefore desire to avoid being limited to the exact

form shown and described. Having described my invention, what I claim as new and desire to protect by Letters Patent, is—

Claim:

In a chair of the class described the combination of a central chair section including legs, a bottom and vertical side members extending up from the bottom, the rear edges of the side members inclining upwardly and outwardly, a back section hinged to the bottom, the sides of the back section being cut away to form overhanging flanges, the cut-away portions engaging the upwardly inclined edges of the side members and the flanges engaging over the top edges of said members, a bar depending from the back section, a foot rest hinged at its upper end to the front of the bottom, a link pivoted at one end to the foot rest, a spring hinge connecting the opposite end of the link and the lower end of the bar, a pair of curved slotted guides on the sides of the central chair section, a rod extending through the slotted guides and the link, lock nuts for clamping the rod to the guides, and folding legs pivoted near the upper portion of the back, whereby when the back is thrown down the link connection will elevate the foot rest and a bed will be formed, the back being supported by the legs.

In testimony whereof I affix my signature in the presence of two witnesses.

EDWARD HANSEN.

Witnesses:

FRANK H. FOWLER,

MARGUERITE LEYDA.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."