Sept. 13, 1927. 1,641,952

F. A. ABRAHAM

CONVERTIBLE BABY SEAT

Filed Feb. 24, 1925

Fig. 1.

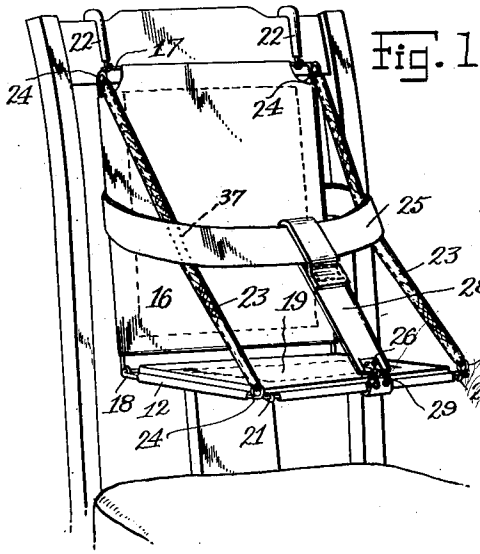


Fig. 2.

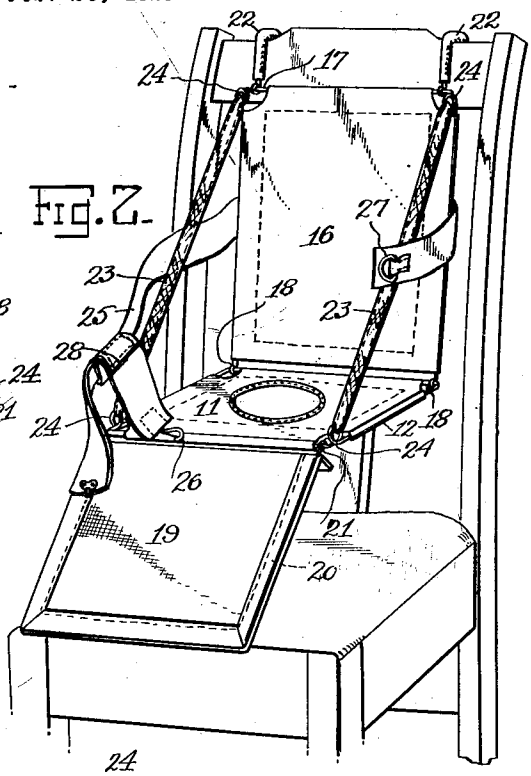


Fig. 5.

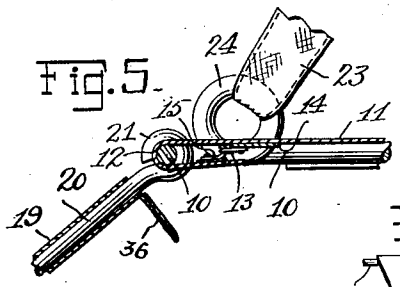


Fig. 4.

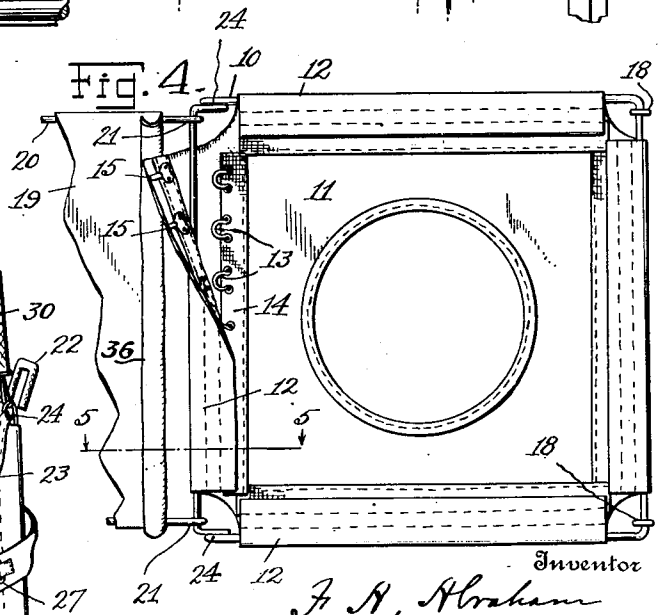
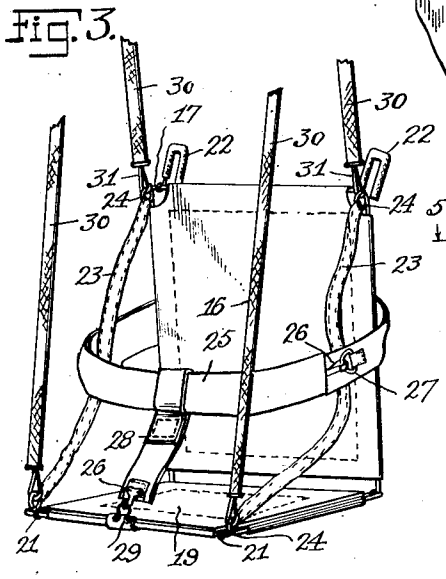


Fig. 3.



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UNITED STATES PATENT OFFICE.

FRED A. ABRAHAM, OF MARTINSVILLE, INDIANA.

CONVERTIBLE BABY SEAT.

Application filed February 24, 1925. Serial No. 11,289.

The object of this invention is to provide a simple structure which is convertible into either a high-chair especially for use at table, or a nursery-chair, or a swing, as occasion may demand, the construction being inexpensive and strong and such that the seat may be folded into an exceedingly compact condition for convenience in handling, packing and transportation, as more fully hereinafter set forth.

In the drawing—

Fig. 1 is a perspective view of the seat adjusted for use as a high-chair;

Fig. 2 is a similar view of the seat adjusted for use as a nursery-seat;

Fig. 3 is a similar view of the seat adjusted for use as a swing;

Figs. 4 and 5 are detail views hereinafter more particularly described.

Referring to the drawing annexed by reference-characters, 10 designates the central or main frame which consists of a heavy wire bent into rectangular form. This rectangular wire-frame has stretched across it the nursery-seat fabric 11, this fabric being detachably connected to the four frame-bars by hems 12, the free edges of which are detachably connected to the under side of the fabric inside of the frame-bars by means of a hook-and-eye arrangement, the eyes 13 being attached permanently to the under side of the fabric by strips of fabric 14 and the hooks 15 being attached to said free edges. This makes the nursery-seat fabric readily removable for the purpose of cleaning, etc., and at the same time insures tautness in all directions sufficient to support the weight of the child.

A back-frame fabric 16 is attached to the rear bar of the seat-frame through the medium of a rectangular wire-frame 17 whose vertical side rods are pivotally connected to said rear bar of the seat-frame by means of eyes 18 formed on the lower end of said vertical rods. The fabric is attached to the back-frame by suitable hems formed in the edges of the substantially rectangular piece of fabric used for this purpose. The eyes 18 enable the back member to be folded down flat over the seat member.

Another frame consisting of a rectangular piece of fabric 19 hemmed to a rectangular wire-frame 20 is pivotally connected to the front bar of the seat-frame by eyes 21. This stiff front frame is adapted to be swung over upon the seat frame and reinforce the same when the appliance is used as a chair or a swing, as shown in Figs. 1 and 3. When the appliance is to be used as a nursery-seat, this front panel or frame is swung over forwardly and allowed to hang freely. When the appliance is to be used on a chair of the proportions shown in Fig. 2, this depending front frame will serve as a leg-rest and as a guard. For the purpose of hanging the appliance in proper position for use as a high-chair or as a nursery-seat, I provide the back frame with a pair of hooks 22 which are pivotally connected to the top bar of the back-frame so as to adapt them to be hung over the top bar of a dinner chair, as shown in Figs. 1 and 2. When thus hung over the back of a chair, the seat will be suspended at a desirable distance above the seat of the chair, as illustrated.

Fabric suspension tape-members 23 are employed to serve as side-guards and also to hold the seat-member in proper relation to the back-member. These suspension tapes or members connect the two upper corners of the back-frame to the two front corners of the seat-frame; for convenience in connecting these tapes to their respective frames, I form the side-bars of the two frames into eyes 24. For the purpose of holding the child in the seat, I provide a body-band 25 which is attached to the fabric of the back-frame and extends around in front of the suspension members 23 so as to pass under the arms of the baby. For the purpose of disconnecting this body-band 25, I sever it at one point and provide one end with a snap-hook 26 and the other end with a ring or eye 27. To keep the child from slipping out forwardly off the front edge of the seat, I provide a central strap 28 which is slidably attached to the body-band 25 at its upper end (by means of a loop formed on the upper end of said strap 28) and detachably attached to the front edge of the seat-frame by means of a hook-and-eye arrangement 29. This central strap 28 is positioned to lie between the legs of the baby and therefore will, together with the body-strap 25 and the suspension members 23, hold the child safely in the seat, preventing it wriggling off the seat in any direction. The body-band 25 is desirably stitched to the side straps 23 where they cross the same, at 37.

When not in use, it will be seen that the three panels or frames may be readily folded

over on each other to make a very compact article. The straps 23, 25 and 28 are of flexible fabric and may be disposed of in any suitable way; for instance, they may be folded between the frame members. When the appliance is used as a swing, as shown in Fig. 3, the chair-hooks 22 are out of use and instead four suspending tapes 30 are used, each one of these being provided with a snap-hook 31 at its lower end for detachable attachment to the suspension loops 24. The tapes at their upper ends may be supplied with similar snap-hooks or other means (not shown) for suspending them from an overhead structure. These suspending members 30 are desirably made of fabric similar to the other fabric members, so that they may be readily placed between the frame-members in packing or placed in the container in which the folded appliance is enclosed.

It will be observed that a feature of importance is the stiff frame 20 covered by the taut fabric 19 and pivotally mounted on the front bar of the seat-frame. This stiff frame, as will be observed, is a little narrower than the seat-frame, so that it may be readily swung over upon the top surface of the fabric of the seat-frame and will lie closely thereagainst. By making this frame 20—19 in this manner, it is unnecessary to provide fastening devices for clamping it down on the seat-frame, while at the same time this swinging frame serves to provide a substantial closed seat in connection with the nursery-seat 11.

A further feature of importance is the provision of a closed eye 24 at each of the upper corners of the back frame and a similar eye at each of the front corners of the seat-frame, whereby these eyes may be utilized as connections for the guard suspension-straps 23 and also for the swing-straps 30, these latter being detachably connected to the eyes by means of snap-hooks 31. In this way, I provide a simple construction for readily converting the folding chair into a swing.

The free edge of the fabric 19 adjacent to the front edge of the main seat-frame is provided with an extension-flap 36 which, when the fabric 19 lies over upon the main seat, folds down over the front bars of the main seat and thus furnishes a finish or valance along the open side of the wire frame 20 and thus nicely disposes of the raw edge of the fabric that would otherwise be presented by the front edge of the seat. This flap is desirably formed by providing the edge of the fabric with a wide hem.

What I claim is:

1. A seat convertible into either a high-chair or a nursery-chair or a swing, embodying a seat-frame having suspension eyes at its two front corners, a back-frame pivotally attached to the back edge of said seat-frame and having a pair of chair-hooks attached to its upper edge, the upper corners of the back-frame being provided with suspension eyes, suspension side-guard members connecting said eyes at each side of the chair, and a stiff fabric-covered frame pivotally attached to the front edge of the seat-member and adapted to swing down to form a leg-rest and guard and to swing over upon the seat-frame and serve as a reinforcing cover for the same, said eyes at the front of the seat-frame as well as the eyes at the top of the back-frame being adapted to serve as connections for the swing members.

2. A baby-seat embodying a seat-frame carrying a fabric nursery-seat having a hole, a back-frame pivotally attached to the aforesaid frame and carrying means at its upper edge for suspending it, side suspension members connecting the upper end of the back-member to the forward edge of the seat-frame, straps for holding the child in the seat between said suspension members, and a stiff cover-member pivotally attached to the front edge of the seat-frame to adapt it to hang in front and serve as a leg-rest and to fold over on the seat-frame and reinforce the same and cover the hole therein, said cover-member having substantially the area of the nursery-seat.

3. A baby-seat embodying a rectangular wire seat-frame, a fabric seat-member stretched on said frame having a hole, a stiff seat-cover pivotally attached to the front edge of said seat-frame and adapted to be swung forwardly and downwardly to serve as a leg-rest guard and over upon the seat-frame and reinforce the same and cover the hole therein, a back-member attached to said seat-member and means for holding it in proper relation to said seat-member, said back-member being provided with means for suspending it on the back of a chair and said seat-cover consisting of a fabric-covered wire-frame of substantially the same area as the seat-member.

4. A baby-seat comprising a back-frame, a seat-frame hinged to the lower edge of the back-frame, side straps connecting the upper corners of the back-frame to the front corners of the seat-frame, a body-band attached to the side edges of the back-frame and stitched to said side straps, and a central crotch-strap slidably connected to said body-band at its upper end and detachably attached at its lower end to the front edge of the seat-frame.

5. A baby-seat embodying a main seat consisting of a stiff wire frame covered with fabric, a wire back-frame pivotally connected to the seat-frame, side straps connecting the top corners of the back-frame to the front corners of the seat-frame, and a supplemental seat-frame consisting of a U

wire frame pivotally connected to the front wire of the seat-frame and having a fabric stretched thereon and fastened thereto, this supplemental frame being narrower than the main seat-frame so as to fold over thereupon and have its wire frame lie within the wire frame of the seat-frame, the front edge of the fabric of said supplemental seat-frame being provided with a flap which hangs down over the front edge of the main seat-frame.

6. A baby-seat comprising a back-frame, a seat-frame hinged to the lower edge of the back-frame, side straps connecting the upper corners of the back-frame to the front corners of the seat-frame, a body-band attached to the side edges of the back-frame, and a central crotch-strap slidably connected to said body-band at its upper end and detachably attached at its lower end to the front edge of the seat-frame.

In testimony whereof I hereunto affix my signature.

FRED A. ABRAHAM.