May 4, 1937. W. P. McNALLY 2,079,176

PORTABLE COLLAPSIBLE BABY'S CHAIR

Filed Dec. 30, 1936

Fig. 1.

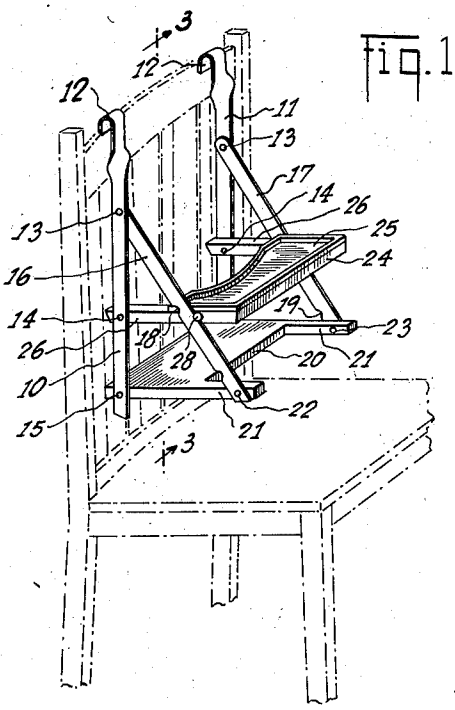


Fig. 2.

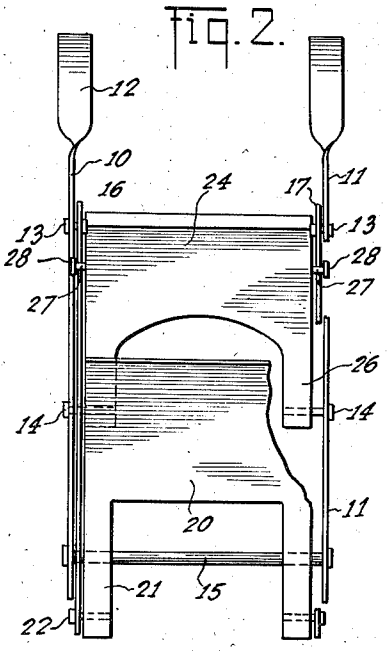


Fig. 3.

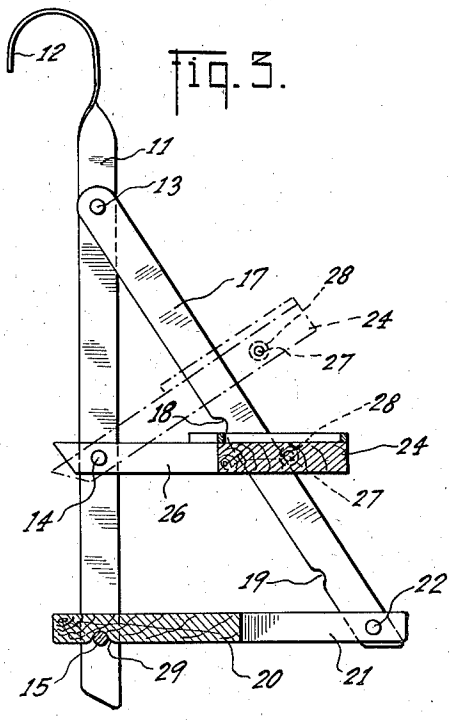
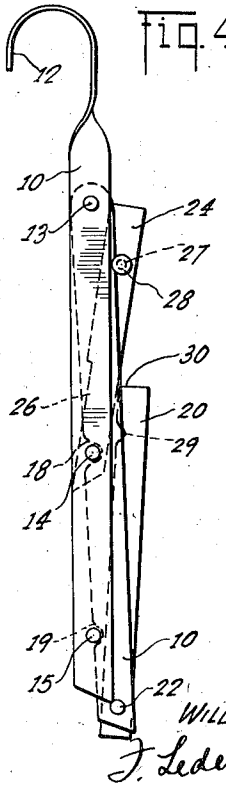


Fig. 4.



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PORTABLE COLLAPSIBLE BABY'S CHAIR

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3 Claims. (Cl. 155—79)

The main object of this invention is the provision of a collapsible infant's chair which is adapted to be collapsed into a small compact parcel so that the same may be conveniently carried about, and which when extended, is adapted to be suspended from the upright back of a chair, and to serve the purpose of a baby's highchair.

Another object of the invention is the provision of such a device which is simple in construction and operation, and at the same time inexpensive in cost of manufacture.

The above and other objects will become apparent in the description below, in which characters of reference refer to like-named parts in the accompanying drawing.

Referring briefly to the drawing, Figure 1 is a perspective view, illustrating the manner of suspending the extended device from a chair.

Figure 2 is a front elevational view of the extended device.

Figure 3 is a cross-sectional view taken on the line 3—3 of Figure 1.

Figure 4 is a side view showing the device in collapsed position.

Referring in detail to the drawing, the numerals 10 and 11 indicate a pair of parallel normally vertical brackets which are provided with hooks 12 at their upper ends, by means of which the device is adapted to be suspended from the upper edge of a chair back. At spaced-apart distances along each bracket 10 and 11, and equidistant on both brackets, are a series of pins 13 and 14, and a rod 15 bridging the brackets 10 and 11 near their lower ends. A pair of links 16 and 17 are pivotally secured at their upper ends on the pins 13 in the brackets 10 and 11, respectively. At spaced-apart intervals on the underside of the links 16 and 17, a pair of notches 18 and 19 are cut out of each of these links.

The seat panel 20 is provided with a pair of arms 21 extending outwardly therefrom, which have mounted near their extremities pins 22 and 23. The lower extremities of the links 16 and 17 are pivotally mounted on the pins 22 and 23, respectively. The seat panel 20 has one end on its underside carved out to provide a hemispherical groove 29 extending the width of the panel. When the device is in operative position, the rod 15 registers in the groove 20, and thus that end of the panel 20 is supported on the rod 15, the seat panel being thus prevented from shifting its position by the engagement between the rod 15 and the groove 29. Clearance spaces, as shown, are provided between the brackets 10 and 11 and the panels 20 and 24, to accommodate the links 16 and 17 when the device is collapsed.

A table panel 24, which is provided with a peripheral raised edge 25, has a pair of arms 26 extending in the opposite direction from the seat panel arms 21. The arms 26 are pivotally mounted on the intermediate pins 14. On each side of the table panel 24, a lug 27 extends rigidly from the table panel, and is provided with an enlarged head 28.

When the extended device is suspended from a chair back as shown, the infant sits on the panel 20 and has its legs between the arms 21 of the latter. Thus the infant has its back to the chair back and faces the table panel 24.

Assuming that the device is in extended position, as shown in Figures 1 and 3, it is collapsed into a small mass in the following manner: The table panel 24 is first rotated in a counter-clockwise direction (Figure 3) into the position shown in broken lines. In the latter position, the lugs 27 will be clear of the links 16 and 17 at a maximum distance therefrom. The grooved end of the seat panel 20 is then lifted clear of the rod 15, and the panel 20 is then swung in a clockwise direction about its pivots 22. Then the links 16 and 17 are swung in a clockwise direction until they strike the lugs 28. In this position of the links 16 and 17, it is now possible to rotate the seat panel 20 in a counter-clockwise direction through an arc of nearly 180 degrees, which operation is performed. Then the table panel 24 is swung further in a counter-clockwise direction until the lugs 27 strike the edges of the brackets 10 and 11, the links 16 and 17 during this time being forced in a clockwise direction by the lugs 27 into alignment with the brackets 10 and 11. The seat panel 20 is then urged further in the counter-clockwise direction toward the brackets 10 and 11 until it reaches its extreme collapsed position shown in Figure 4, in which the upper extremity 30 of the panel 20 strikes the arms 26 of the panel 24. In the latter position, the ends of the rod 15 register in the notches 19 of the links 16 and 17, and the pins 14 register in the notches 18 of the links, with the links 16 and 17 lying in the clearance spaces between the brackets 10 and 11 and the sides of the panels 20 and 24, respectively.

The lugs 27 are situated at such a distance from the pins 14 on the panel 24, that in the extended position of the device they prevent rotation of the panel below the horizontal position shown in Figure 1, by engagement with the links 16 and 17, thus supporting the table panel 24 and limiting it to the horizontal position. The heads 28 of the

lugs **27** lock the links **16** and **17** against the sides of the panel **24**, and thus prevent slipping of the lugs **27** away from these links owing to sidewise movement of the panel **24** by the infant.

When the device is collapsed, as shown in Figure 4, it is conveniently portable. The manner in which the device is readily extended and hung from the chair back, is apparent from the above.

Obviously, modifications in form and structure may be made without departing from the spirit and scope of the invention.

I claim:

1. A device of the class described comprising a pair of side brackets adapted to be suspended from a chair back, a table panel pivotally mounted on said brackets intermediate their length, lugs extending from the sides of said table panel, links pivotally secured at one end to said brackets at a point above said table panel, a seat panel pivotally mounted on the lower ends of said links, a rod bridging the lower ends of said brackets, said seat panel having a groove on its lower side, said rod registering in said groove to support said seat panel in horizontal position, said lugs resting on said links to support said table panel in horizontal position.

2. A device of the class described comprising a pair of side brackets adapted to be suspended from a chair back, a table panel pivotally mounted on said brackets intermediate their length, lugs extending from the sides of said table panel, links pivotally secured at one end to said brackets at a point above said table panel, a seat panel pivotally mounted on the lower ends of said links, a rod bridging the lower ends of said brackets, said seat panel having a groove on its lower side, said rod registering in said groove to support said seat panel in horizontal position, said lugs resting on said links to support said table panel in horizontal position, said table panel being rotatable against said brackets, and said seat panel being disengageable from said rod and rotatable about the end of said links and against said brackets to collapse the device into a compact mass.

3. A device of the class described comprising a pair of side brackets adapted to be suspended from a chair back, a table panel pivotally mounted on said brackets intermediate their length, lugs extending from the sides of said table panel, links pivotally secured at one end to said brackets at a point above said table panel, a seat panel pivotally mounted on the lower ends of said links, a rod bridging the lower ends of said brackets, said seat panel having a groove on its lower side, said rod registering in said groove to support said seat panel in horizontal position, said lugs resting on said links to support said table panel in horizontal position, said lugs having heads thereon releasably locking said links against said table panel to prevent sidewise slipping of said lugs away from said links.

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