

Dec. 5, 1950

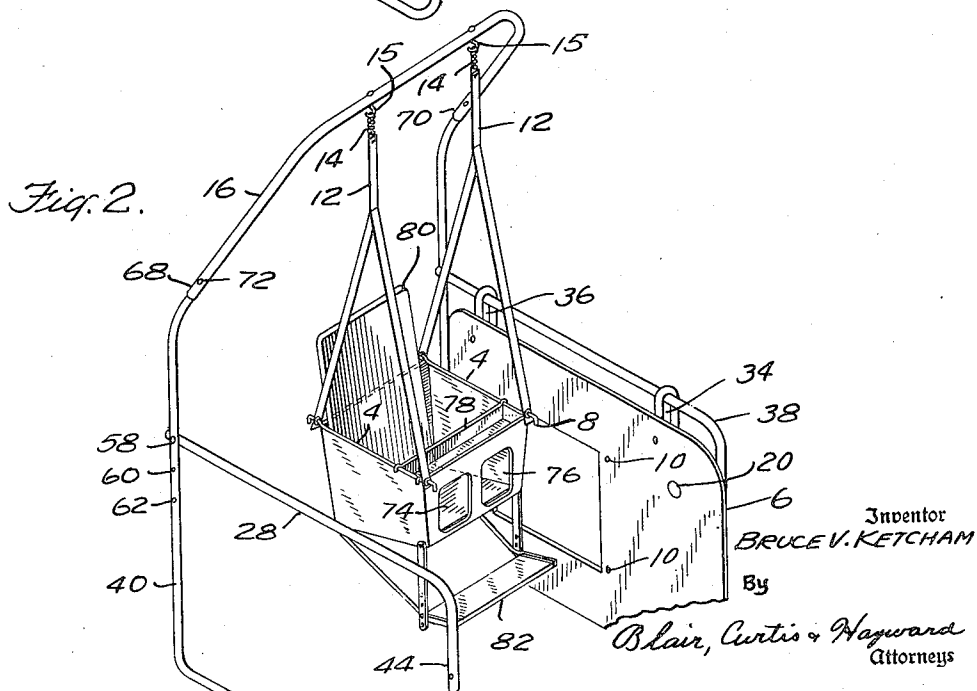
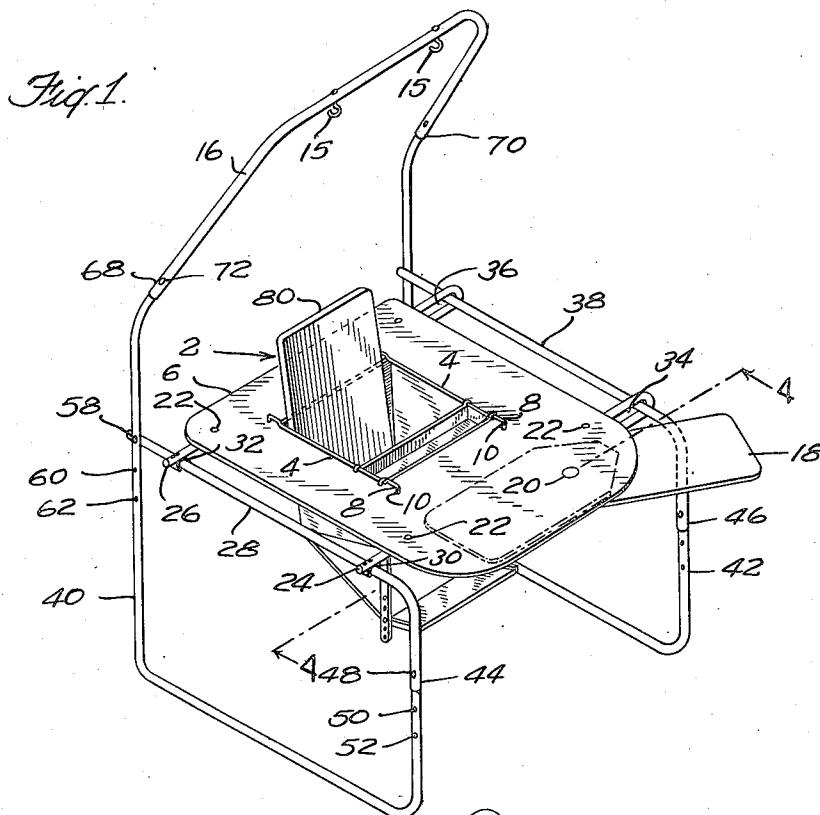
B. V. KETCHAM

2,533,019

COMBINATION BABY SWING AND TABLE ASSEMBLY

Filed Feb. 6, 1947

2 Sheets-Sheet 1



Inventor
BRUCE V. KETCHAM
By
Blair, Curtis & Hayward
Attorneys

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B. V. KETCHAM

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Fig. 3.

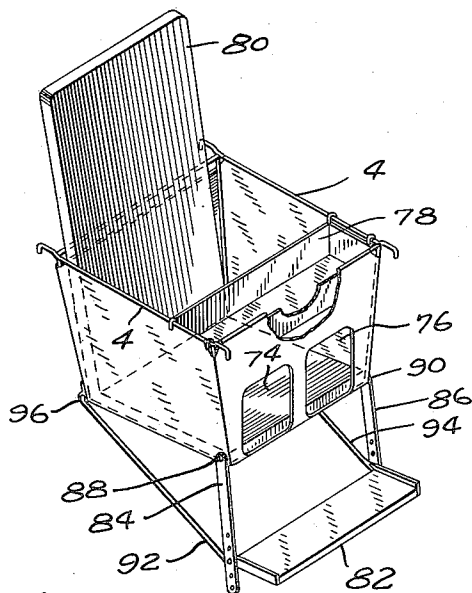


Fig. 4.

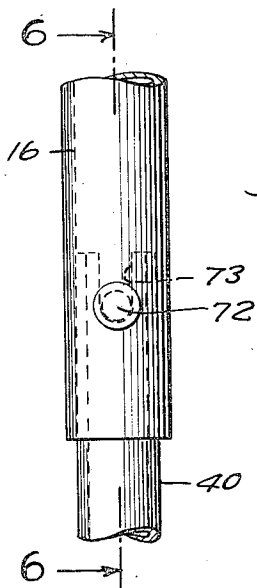
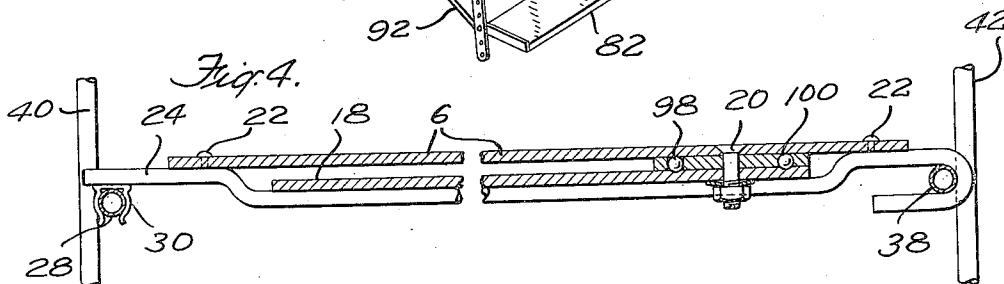


Fig. 5.

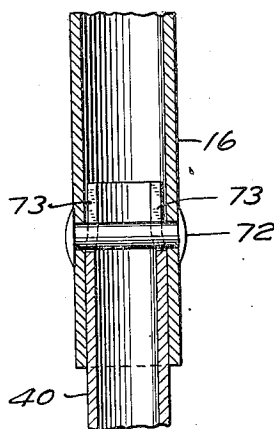


Fig. 6.

Inventor
BRUCE V. KETCHAM

By
Blair, Curtis + Hayward
Attorneys

UNITED STATES PATENT OFFICE

2,533,019

COMBINATION BABY SWING AND TABLE
ASSEMBLY

Bruce V. Ketcham, Manchester, Conn.

Application February 6, 1947, Serial No. 726,797

6 Claims. (Cl. 155-41)

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This invention relates to multiple function juvenile furniture. It relates more particularly to a baby seat that may be converted readily from a swing to a stationary seat-table assembly.

One of the objects of this invention is to provide a combination swing and table which will be simple, practical and thoroughly durable. Another object is to provide a construction of the above character which may be readily manufactured from inexpensive materials and at low labor cost. Another object is to provide a construction of the above character which will afford a certain amount of amusement to an infant and at the same time provide a practical place for eating. Another object is to provide a construction of the above character in which a swing may be quickly and easily converted into a seat supported in a fixed position with respect to the table. Other objects will be in part obvious and in part pointed out hereinafter.

The invention accordingly consists in the features of construction, combinations of elements, and arrangements of parts as will be exemplified in the structure to be hereinafter described, and the scope of the application of which will be indicated in the following claims.

In the accompanying drawings in which is shown one of the various possible embodiments of this invention:

Figure 1 is an isometric view of the structure with the seat in fixed position surrounded and supported by the horizontal table surface;

Figure 2 is a similar view with the table swung out of the way to the vertical position and the seat supported from the frame to provide a resilient swing;

Figure 3 is an isometric view illustrating the details of construction of the seat portion;

Figure 4 is a cross section of the table taken along the line 4-4 of Figure 1 illustrating the construction of the retractable extension arm; and

Figures 5 and 6 are an elevation and section respectively of the telescoping joint which connects the upper and lower portions of the frame structure.

Similar reference characters refer to similar parts throughout the several views of the drawings.

Referring now to the drawings in detail, in Figure 1 the baby seat, generally indicated at 2, constructed of canvas and reinforced with a wire framework 4, is shown in the fixed or stationary position supported by a table portion 6. The seat is positioned and supported by downwardly directed extensions 8 of the wire framework 4 which fit loosely in holes 10 in the table portion 6.

With the table portion in the horizontal position as shown in Figure 1 the entire weight of

the seat is borne by the table 6. For use as a swing (Figure 2) the seat is connected by reinforced cloth straps 12 and springs 14 to hooks 15 secured to the upper frame portion 16. The straps 12 advantageously are removed when the table portion is in use.

A rotatable extension 18 is pivotally secured by a screw 20 to the table 6. The extension 18 may be rotated outwardly to the position shown in Figure 1 and may be used in this position to support food or other articles beyond the reach of an infant occupying the seat. When not in use, the extension arm may be rotated about a screw 20 and concealed beneath the surface of the table 6 as indicated by the broken lines.

The table surface is secured by rivets 22 to tubular cross pieces 24 and 26. These cross pieces are releasably attached to a tubular frame member 28 by friction clamps 30 and 32. The opposite ends of the cross pieces 24 and 26 are formed into U-shaped loops, thus providing slidable hinge structures 34 and 36 around tubular frame member 38.

The frame members 28 and 38 are attached to tubular supporting members 40 and 42, respectively. The supporting members 40 and 42 are smaller in diameter than the frame members 28 and 38 to permit the use of telescoping sections 44 and 46. The height of the table portion 6 may thus be adjusted by locking the telescoping section 44 in the desired position by means of screw 48 and one of the adjusting holes as indicated at 50 and 52. The opposite end of supporting member 40 is adjusted by relocating thumb screw 58 in one of the corresponding holes as indicated at 60 and 62. The supporting member 42 is adjusted in a similar manner to the corresponding height.

The upper frame portion 16 which supports the seat when it is in use as a swing (see Figure 2) is connected to supporting members 40 and 42 by detachable telescoping joints 68 and 70, the details of which are shown in Figures 5 and 6. The outer section of each joint is provided with a suitable locating rivet 72, which rests in a slot 73 in the upper end of the inner section.

To remove the table portion to permit the seat to be supported by straps 12, the seat is lifted upwardly away from the table 6 and the left-hand edge of the table portion is moved upwardly, releasing friction clamps 30 and 32. The table portion is then moved toward the right until the cross pieces 24 and 26 are clear of frame member 28 and permitted to rotate downwardly to assume the vertical position shown in Figure 2. The seat 2 is now resiliently supported by the upper frame portion 16 through springs 14 and straps 12.

The wire reinforced canvas seat (see Figure 3) is provided with suitable leg openings 74 and 76

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and may include advantageously a removable tray 78. A rigid L-shaped back and seat support 80 is also provided and may be constructed of wood or similar material. The support 80 fits snugly into the seat and may be readily removed by lifting it upwardly out of the seat. An adjustable foot-rest 82 is supported by vertical members 84 and 86 which are hinged to the wire framework 4 at 88 and 90, respectively. Members 84 and 86 are provided with suitable holes for adjusting the position of the foot-rest, which is also supported by members 92 and 94 connected to the rear of the seat by a suitable hinge construction as at 96.

As seen in Figure 4, the extension 18 of the table has a relatively large hinge area centered at the screw 20 to assist in maintaining the surface of the extension arm 18 parallel with the surface of the table. Ball bearings 98 and 100 are provided to reduce the friction that might otherwise be occasioned by the large area of contact of the hinge structure.

The entire unit may be disassembled readily for packing and shipping by separating the upper and lower portions at joints 63 and 70, removing the four adjusting screws to separate the frame members 23 and 33 from the supporting members 40 and 42, and removing the frame member 33 from the table 6 by sliding it through the hinge structures 34 and 36.

From the foregoing it will be observed that the combination baby swing and seat-table assembly embodying my invention is well adapted to attain the ends and objects hereinbefore set forth and to be economically manufactured, since the separate parts are well suited to production methods and are subject to a variety of modifications as may be desirable in adapting the invention to different applications.

As many possible embodiments may be made of the above invention and as many changes might be made in the embodiment set forth, it is to be understood that all matter hereinbefore set forth or shown in the accompanying drawings is to be interpreted as illustrative and not in a limited sense.

I claim:

1. A multiple function baby seat adapted to be readily converted from a chair swing to a relatively stationary chair and table assembly, comprising: a lower frame portion; an upper frame portion supported by said lower frame portion; a table portion having a central opening therein and pivotally secured to said lower frame portion and adjustable to occupy either a horizontal or vertical position; a seat; and flexible supporting means connecting said seat to said upper frame portion, said seat fitting in the central opening of said table portion and being supported by said table portion when said table portion is in a horizontal position for use as a stationary seat-table combination and being supported by said flexible supporting means when said table is in a vertical position.

2. In a combination baby swing and table, in combination, a frame structure, a seat, flexible means supporting said seat from said frame structure under a first condition of operation, and a table portion supported by said frame structure and movable into supporting relationship with respect to said seat under a second condition of operation.

3. In a combination baby swing and table, in combination, a frame structure, a seat, flexible

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means connecting said seat to said frame structure, and a table portion pivotally connected to said frame structure, said table being movable about said pivotal connection into and out of supporting relationship with respect to said seat, said table portion having an opening therein in which said seat is positioned when said table portion is in supporting position.

4. In a combination baby swing and table, in combination, a frame structure including upper and lower portions, a seat, flexible means connecting said seat to the upper portion of said frame structure, a table member connected to said frame structure, said table member being movable into and out of supporting relationship with respect to said seat, said seat being supported by said flexible means when said table member is out of supporting position.

5. In a combination baby swing and table, in combination, a frame structure including a pair of horizontal supporting portions and an upper supporting portion positioned above the horizontal supporting portions of said frame structure, a seat, flexible supporting means for connecting said seat to said upper supporting portion, a table member, means pivotally connecting said table member to one of said horizontal supporting portions, said table being movable about said pivotal connection between horizontal and vertical positions, and means to connect said table member to the other horizontal supporting portion of said framework when said table is in a horizontal position, said table supporting said seat when it is in a horizontal position, said seat being supported by said flexible supporting means when said table is in a vertical position.

6. In a combination baby swing and table, in combination, a framework including an upper portion and a pair of side portions, the upper portion of said framework being U-shaped, the side portions of said framework including a pair of horizontal portions spaced from the bottom of said framework, a seat, flexible means connecting said seat to the upper portion of said framework, a table member, means pivotally connecting one edge of said table member to one of the horizontal portions of said framework, detachable connecting means connecting the other edge of said table member to the other of said horizontal portions, said table being capable of being pivoted on said pivotal connection between horizontal and vertical positions, said table member when in a horizontal position supporting said seat, said flexible means supporting said seat when said table member is in a vertical position.

BRUCE V. KETCHAM.

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