March 24, 1964 R. J. JOHNSON 3,126,226

BABY SEAT

Filed Oct. 27, 1961 2 Sheets-Sheet 1

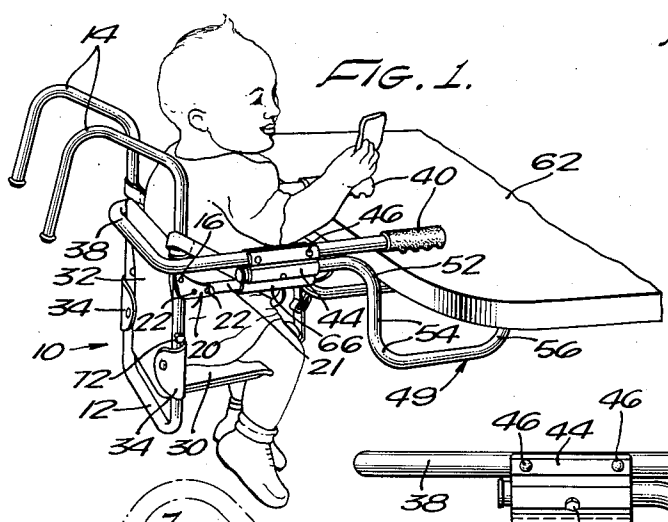


FIG. 1.

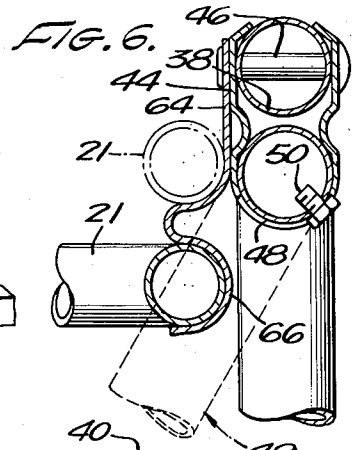


FIG. 6.

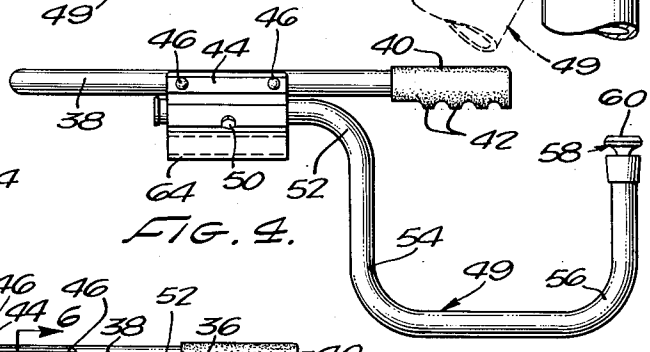


FIG. 4.

FIG. 2.

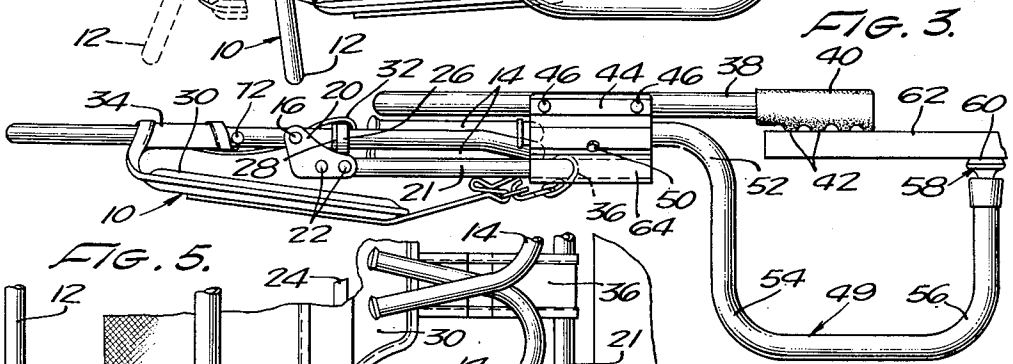


FIG. 3.

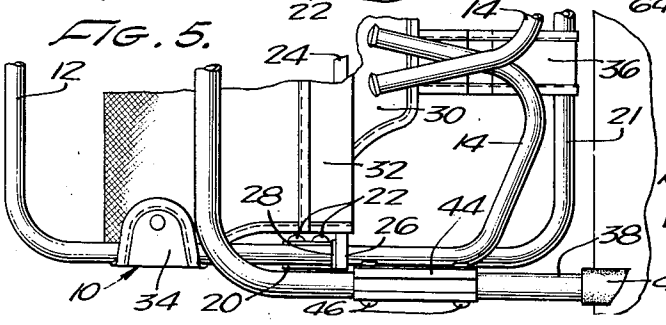


FIG. 5.

INVENTOR.
ROBERT J. JOHNSON
BY Lyon Lyon
ATTORNEYS

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BABY SEAT

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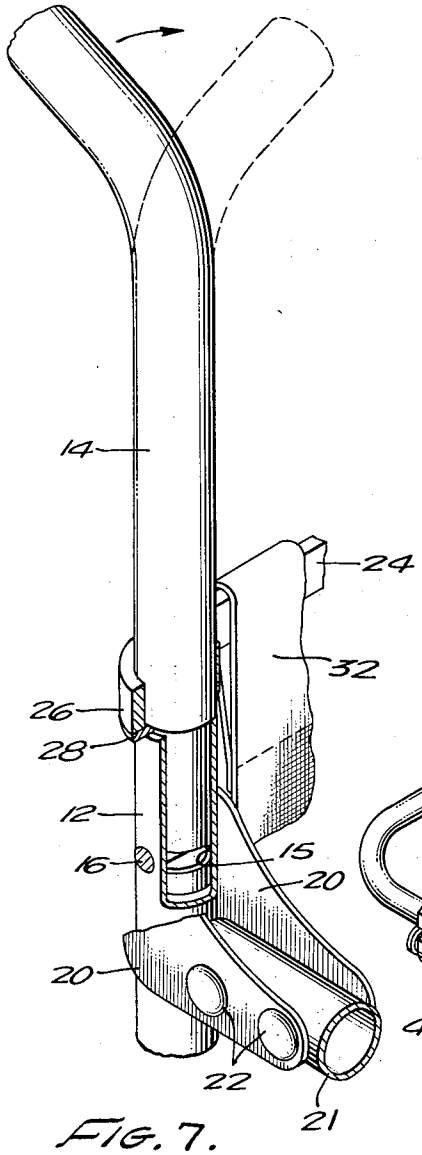


FIG. 7.

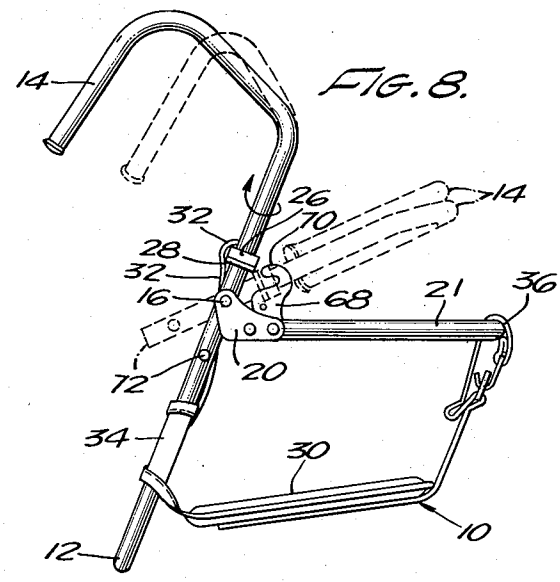


FIG. 8.

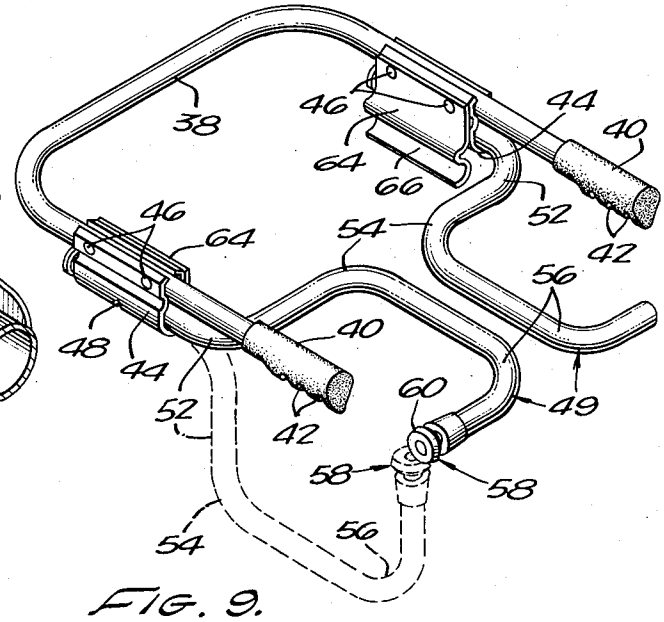


FIG. 9.

INVENTOR.
ROBERT J. JOHNSON
BY Lyon & Lyon
ATTORNEYS

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3,126,226

BABY SEAT

Robert J. Johnson, 6591 Carthage St., San Diego, Calif.

Filed Oct. 27, 1961, Ser. No. 148,178
10 Claims. (Cl. 297—174)

This invention relates to an improved infant seat.

When an infant is too young to support itself in an ordinary chair, it is desirable to have a specially constructed chair for same. This is particularly desirable when transporting the infant in an automobile and when feeding same from a table.

It is an object of this invention to provide a device which forms a seat for an infant which may either be supported from for example, a car seat, or the like, and also from a flat surface such as a table or the like.

It is still a further object of this invention to provide such a device which can withstand the rough treatment and abuse same must absorb.

It is still a further object of this invention to provide such a device which may be folded into a compact unit for storage or for packaging prior to sale.

Other objects and advantages will be readily apparent from the following description:

In the drawings:

FIGURE 1 is a perspective of the device attached to a table.

FIGURE 2 is a side elevation of the device.

FIGURE 3 is a side elevation illustrating folding of the seat.

FIGURE 4 is a side elevation of the table support mechanism.

FIGURE 5 is a fragmentary plan view illustrating insertion of the chair into the table support mechanism.

FIGURE 6 is a view taken along line 6—6 of FIGURE 2.

FIGURE 7 is a view taken along line 7—7 of FIGURE 2.

FIGURE 8 is a view illustrating folding of said seat.

FIGURE 9 is a view illustrating folding of said table supporting mechanism.

The seat 10 has a U-shaped upturned tubular back rest frame 12 which has a generally U-shaped hook 14 projecting telescopically into each leg of frame 12. Each hook has a slot 15 therein through which a pin 16 passes permitting the hooks 14 to be pivoted within limits defined by the length of the slots.

One pin 16 pivotally secures a bracket 20 to the U-shaped frame 12 while another pin 16 secures a similar pair of brackets one on each side of hook 14 to the frame 12. A U-shaped tubular arm rest frame 21 is rigidly secured by pins 22 to brackets 20 so that the back rest frame may pivot with respect to the arm rest frame from approximately a right angle to approximately parallel.

A cross bar 24 has its extremities formed into loops 26 which fit on back rest frame 12 and abut a washer 28 secured on each hook 14 as seen in FIGURE 7.

A seat 30 is supported by a suitable fabric 32 depending from cross bar 26 looped around back rest frame as at 34 and arm rest frame as at 36.

Thus when the hooks are rotated towards one another and back rest frame 12 is pivoted to its closed position best seen in FIGURES 3 and 5, it forms a relatively compact package suitable for storage or shipping. In this folded or closed position the chair or infant seat thus formed is adapted to be inserted into the table support mechanism. The table support mechanism comprises a U-shaped upper frame 38 having grips 40 at the extremity of each leg thereof. Each grip is formed of rubber or any other suitable material and has a series of protuberances 42 for frictionally engaging the upper surface of a table.

Depending from each leg of frame 38 is a strap 44 secured to the frame by pins 46 and having a slot 48 therein. Into each strap is inserted an extremity of an undertable gripping member 46 having a pin 50 fitting into slot 48 securing same therein while permitting rotation thereof with respect to frame 38 within the limits of the slot 48.

Each undertable gripping member has a portion within strap 44 which is parallel to the adjacent leg of U-shaped frame 38 and then is bent downwardly as at 52 forwardly as at 54 and upwardly as at 56 and has a table engaging member 58 at its extremity. This table gripping element has a rubber or similar upper surface 60 to contact and frictionally engage the underside of the table 62.

A bracket 64 (see FIGURE 6) is secured to each leg of frame 38 by pins 46 having its lower extremity bent as at 66 to receive a leg of arm rest frame 21 therein to support the seat.

The seat may be folded or unfolded as seen in FIGURE 8 and heretofore described, while the table support mechanism may be folded or unfolded as seen in FIGURE 9 and heretofore described. To assemble the two, the seat is placed in the folded position and the legs of arm rest frame 21 moved from the left to right in FIGURE 9 into the engaging bend 66 of bracket 64 until brackets 20 strike sleeve 44 at which time the chair is unfolded reaching the position of FIGURE 1.

To disassemble the two, the chair is folded and pulled away to the right in FIGURE 9.

A latch 68 is pivotally mounted about a pin 22 having a hook 70 adapted to engage a pin 72 on one hook 14 to latch the seat in the open or unfolded position.

While what hereinbefore has been described as the preferred embodiment of this invention, it is readily apparent that alterations and modifications may be resorted to without departing from the scope of this invention and such alterations and modifications are intended to be included within the scope of the appended claims.

I claim:

1. A seat for an infant comprising: a frame for frictionally engaging the upper surface of table, a member attached to said frame frictionally engaging the undersurface of a table, an arm rest frame, brackets on said first mentioned frame for receiving and supporting said arm rest frame, a back rest frame pivotally secured to said arm rest frame having a pair of legs terminating adjacent said arm rest frame, an engaging hook pivotally connected to each leg, a seat suspended from said arm rest frame, means limiting pivoting of said hooks from a position overlying one another to a position substantially parallel to one another, and means limiting pivoting of said back rest from a position substantially parallel to said arm rest to a position substantially normal thereto.

2. A seat for an infant comprising: a frame for frictionally engaging the upper surface of a table, a member attached to said frame frictionally engaging the undersurface of a table, an arm rest frame, brackets on said first mentioned frame for receiving and supporting said arm rest frame, a back rest frame pivotally secured to said arm rest frame having a pair of legs terminating adjacent said arm rest frame, an engaging hook pivotally connected to each leg, a seat suspended from said arm rest frame, means limiting pivoting of said hooks from a position overlying one another to a position substantially parallel to one another, means limiting pivoting of said back rest from a position substantially parallel to said arm rest to a position substantially normal thereto, and latch means interconnecting said arm rest and said back rest holding same in said last mentioned position.

3. A seat for an infant comprising: a U-shaped frame having frictional gripping elements at the ends thereof

for frictionally engaging the upper surface of a table, a member connected to each leg of said frame formed to engage the undersurface of said table, a U-shaped arm rest frame, bracket on said first mentioned frame for receiving and supporting said arm rest frame, a back rest frame pivotally secured to said arm rest frame having a pair of legs terminating adjacent said arm rest frame, an engaging hook pivotally connected to each leg, and a seat suspended from said arm rest frame.

4. A seat for an infant comprising: a U-shaped frame having frictional gripping elements at the ends thereof for frictionally engaging the upper surface of a table, a member connected to each leg of said frame formed to engage the undersurface of said table, a U-shaped arm rest frame, bracket on said first mentioned frame for receiving and supporting said arm rest frame, a back rest frame pivotally secured to said arm rest frame having a pair of legs terminating adjacent said arm rest frame, an engaging hook pivotally connected to each leg, a seat suspended from said arm rest frame, and means limiting pivoting of said hooks from a position overlying one another to a position substantially parallel to one another.

5. A seat for an infant comprising: a U-shaped frame having frictional gripping elements at the ends thereof for frictionally engaging the upper surface of a table, a member connected to each leg of said frame formed to engage the undersurface of said table, a U-shaped arm rest frame, bracket on said first mentioned frame for receiving and supporting said arm rest frame, a back rest frame pivotally secured to said arm rest frame having a pair of legs terminating adjacent said arm rest frame, an engaging hook pivotally connected to each leg, a seat suspended from arm rest frame, and means limiting pivoting of said hooks from a position overlying one another to a position substantially parallel to one another, and means limiting pivoting of said back rest from a position substantially parallel to said arm rest to a position substantially normal thereto.

6. A seat for an infant comprising: a U-shaped frame having frictional gripping elements at the ends thereof for frictionally engaging the upper surface of a table, a member connected to each leg of said frame formed to engage the undersurface of said table, a U-shaped arm rest frame, bracket on said first mentioned frame for receiving and supporting said arm rest frame, a back rest frame pivotally secured to said arm rest frame having a pair of legs terminating adjacent said arm rest frame, an engaging hook pivotally connected to each leg, a seat suspended from arm rest frame, means limiting pivoting of said hooks from a position overlying one another to a position substantially parallel to one another, means limiting pivoting of said back rest from a position substantially parallel to said arm rest to a position substantially normal thereto, and latch means interconnecting said arm rest and said back rest holding same in said last mentioned position.

7. A seat for an infant comprising: a U-shaped frame having frictional gripping elements at the ends thereof for frictionally engaging the upper surface of a table, a member connected to each leg of said frame formed to engage the undersurface of said table, said last mentioned members being pivotally connected to said frame, means limiting pivoting thereof from a position overlying one another to a position substantially parallel to one another, a U-shaped arm rest frame, bracket on said first mentioned frame for receiving and supporting said arm rest frame, a back rest frame pivotally secured to said arm rest frame having a pair of legs terminating adjacent said arm rest frame, an engaging hook pivotally connected to each leg, and a seat suspended from said arm rest frame.

8. A seat for an infant comprising: a U-shaped frame having frictional gripping elements at the ends thereof for frictionally engaging the upper surface of a table, a member connected to each leg of said frame formed to engage the undersurface of said table said last mentioned members being pivotally connected to said frame, means limiting pivoting thereof from a position overlying one another to a position substantially parallel to one another, a U-shaped arm rest frame, bracket on said first mentioned frame for receiving and supporting said arm rest frame, a back rest frame pivotally secured to said arm rest frame having a pair of legs terminating adjacent said arm rest frame, an engaging hook pivotally connected to each leg, a seat suspended from said arm rest frame, and means limiting pivoting of said hooks from a position overlying one another to a position substantially parallel to one another.

9. A seat for an infant comprising: a U-shaped frame having frictional gripping elements at the ends thereof for frictionally engaging the upper surface of a table, a member connected to each leg of said frame formed to engage the undersurface of said table said last mentioned members being pivotally connected to said frame, means limiting pivoting thereof from a position overlying one another to a position substantially parallel to one another, a U-shaped arm rest frame, bracket on said first mentioned frame for receiving and supporting said arm rest frame, a back rest frame pivotally secured to said arm rest frame having a pair of legs terminating adjacent said arm rest frame, an engaging hook pivotally connected to each leg, a seat suspended from said arm rest frame, means limiting pivoting of said hooks from a position overlying one another to a position substantially parallel to one another, and means limiting pivoting of said back rest from a position substantially parallel to said arm rest to a position substantially normal thereto.

10. A seat for an infant comprising: a U-shaped frame having frictional gripping elements at the ends thereof for frictionally engaging the upper surface of a table, a member connected to each leg of said frame formed to engage the undersurface of said table said last mentioned members being pivotally connected to said frame, means limiting pivoting thereof from a position overlying one another to a position substantially parallel to one another, a U-shaped arm rest frame, bracket on said first mentioned frame for receiving and supporting said arm rest frame, a back rest frame pivotally secured to said arm rest frame having a pair of legs terminating adjacent said arm rest frame, an engaging hook pivotally connected to each leg, a seat suspended from said arm rest frame, means limiting pivoting of said hooks from a position overlying one another to a position substantially parallel to one another, means limiting pivoting of said back rest from a position substantially parallel to said arm rest to a position substantially normal thereto, and latch means interconnecting said arm rest and said back rest holding same in said last mentioned position.

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