March 13, 1951 C. MARTONICZ 2,544,850

INVALID'S CHAIR

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FIG. 1

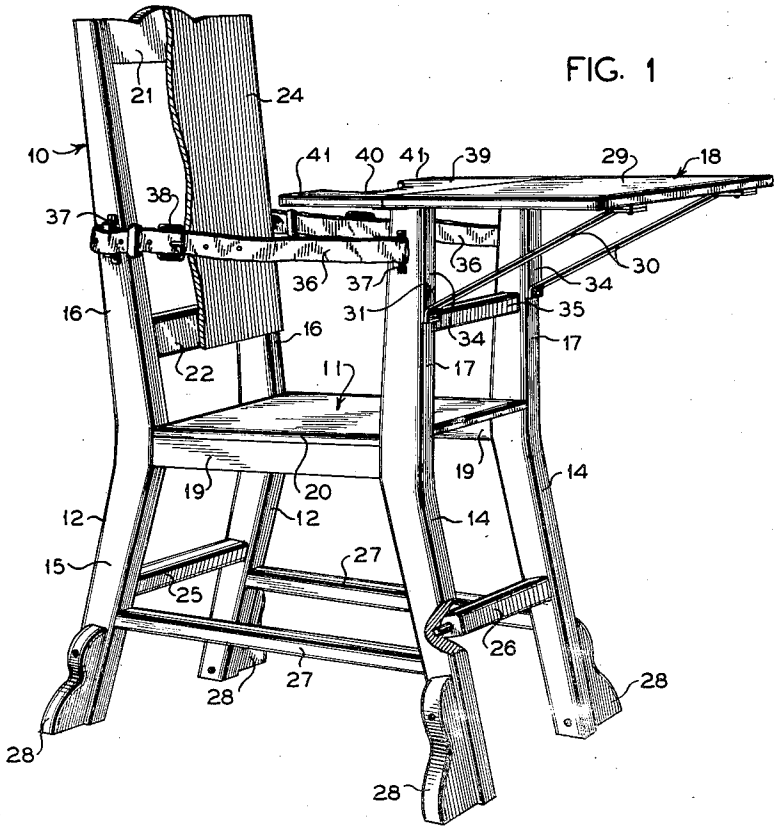
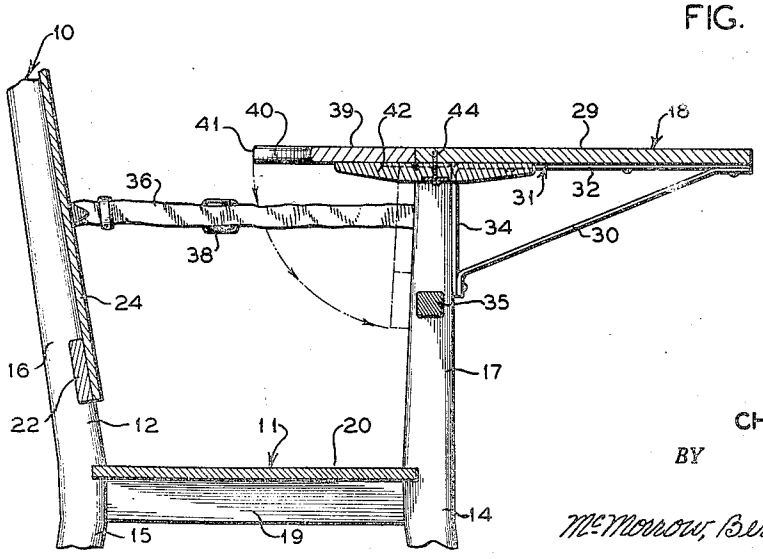


FIG. 2



INVENTOR.
CHARLES MARTONICZ

BY

McMorrow, Berman & Davidson
ATTORNEYS

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INVALID'S CHAIR

Charles Martonicz, Cleveland, Ohio

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3 Claims. (Cl. 155—128)

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This invention relates to a chair, and more particularly to a chair for invalids.

It is an object of this invention to provide an invalid's chair of the kind to be more particularly described hereinafter for an invalid child, and more particularly for an invalid child who must be supported on said chair in a straddle position, as in the case of a child having his leg in a cast for correcting certain infirmities.

Another object of this invention is to provide a chair of this kind which is formed with a table top and a table top leaf which is hinged for swinging into alignment with the top to provide a comfortable and accessible table arrangement. The seat of the chair, while being substantially narrower than most conventional chair seats, is substantially supported and braced against inadvertent tipping movement to upset the person seated thereon.

A further object of this invention is to provide flexible straps or supporting members connected between the table-supporting posts and the chair back for restraining a child on the chair, the straps being readily removable for seating a child in the chair or assisting him in removal therefrom.

With the above and other objects in view, my invention consists in the arrangement, combination and details of construction disclosed in the drawings and specification, and then more particularly pointed out in the appended claims.

In the drawings:

Figure 1 is a perspective view, partly broken away, and partly in section, of an invalid's chair constructed according to an embodiment of my invention;

Figure 2 is a fragmentary longitudinal section, partly broken away, of the invalid's chair.

Referring to the drawings, the numeral 10 designates generally an invalid's chair constructed according to an embodiment of my invention for supporting thereon an invalid child, and particularly an invalid child whose legs are held firm in a cast, the legs being held in a straddle position so that while normally the child must be supported in a reclining position, the child may be supported on a chair for eating and other purposes. The chair 10 of this invention is formed with open sides so that the straddled legs of the child may be extended outwardly therefrom and the child will be supported on the chair against inadvertent sliding movement.

The chair 10 is formed with a normal horizontal seat 11 having a pair of rear supporting legs 12 and a pair of front supporting legs 14. The rear supporting legs 12, preferably formed of wood, include a lower depending leg portion 15 having an upwardly and rearwardly-extending top or back portion 16 formed on the upper end thereof. The upper ends of the front leg members 14 are formed with upwardly-extending post sections 17 for supporting a table top section 18 in upwardly-spaced relation from the seat 11.

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A pair of forwardly-extending seat brace members 19 are fixed between the upper ends of the lower leg sections 15 and the upper ends of the lower leg sections 14, clearly shown in Figures 1 and 2 of the drawings. The seat member 20 is fixedly secured on the longitudinally-extending side seat braces 19 by bolts, glue or other suitable fastening means.

An upper transverse brace 21 is fixed between the extreme upper ends of the upwardly and rearwardly-extending back portions 16 of the rear legs 12, and a lower transverse brace member 22 is fixed between the rear legs 12 spaced slightly above the seat 11. A back panel 24 is fixed to the transverse braces 21 and 22 and to the forward sides of the upwardly and rearwardly-extending back-supporting posts 16.

A suitable transverse brace 25 is fixed between the lower rear leg sections 15 intermediate the length thereof and a transverse brace member 26 is fixed between the front leg sections 14 intermediate the length thereof and below the seat 11. A pair of longitudinally-extending brace members 27 are fixed between the respective front and rear legs 12 and 14 on each side of the chair 10 for rigidly securing the legs 12 and 14 in their erected positions.

As the chair 10 is preferably formed for invalid children and preferably for children who must be seated on the chair in a straddled position, the seat 11 will be substantially narrower than normal seats for chairs of this kind, and in order to stabilize the chair 10 with children seated thereon, outwardly-extending bracing members 28 are fixedly supported on the extreme lower ends of the front and rear legs. The bracing members 28 may be substantially V shape in configuration, having the divergent ends thereof at the lower ends of the supporting legs and the convergent ends joining the legs intermediate the length thereof. The bracing members 28 may also be of a substantially triangular, although decorative, configuration, as clearly shown in Figure 1 of the drawings, but in any event, the lower ends of the supporting members 28 will be extended transversely outwardly from the legs 12 and 14 for supporting the chair 10 erect while the child may be positioned transversely on the seat 11.

The table 18, secured on the extreme upper ends of the forward legs and posts 17, extends forwardly from the forward sides of the supporting posts 17 and will normally be positioned at a point intermediate the vertical height of the rear back-supporting members 16. The table 18 is formed with a table top member 29 which is fixedly secured, at its rear transverse edge, to the

extreme upper ends of the supporting posts 17. The rear transverse edge of the panel 29 will be positioned in transverse alignment with the rear edges of the supporting posts 17, as clearly shown in Figure 2 of the drawings. The forward end of the table top 18 is rigidly supported by a brace member 30 which is secured at its rear end to the upwardly-extending posts 17 intermediate the length thereof and extends forwardly and upwardly to be fixedly secured to the extreme forward end of the table top panel 29. For further support of the table top 18, an L-shaped brace 31 may be formed with the brace 30 and includes a horizontal arm 32 which is fixedly secured to the lower side of the panel 29 and a depending arm 34 which is fixedly secured to the extreme upper ends of the supporting posts 27. A similar bracing means, as the bracing means 30 and 31, will be positioned on each of the supporting posts 17 on the opposite sides of the chair 10. A suitable transverse brace 35 is fixed between the upwardly-extending table-top-supporting posts 17 intermediate the length thereof for holding the posts 17 against outward divergent movement.

For suitably supporting a child on the chair 10, a longitudinally-extending strap 36 is supported between the upper end of each of the table-supporting posts 17 and the upwardly and rearwardly-extending back-supporting member 16. A substantially U-shaped fastening member or bracket 37 is fixedly secured to each of the upwardly-extending supporting posts 17 adjacent the upper end thereof and on the outer side. Similar brackets 37 are fixed on the upwardly-extending back-supporting members 16 in substantially horizontal alignment with the forward brackets 37 and provide suitable loops through which the opposite ends of the looped strap 36 may be engaged. The looped strap 36 is formed as a belt and may include a buckle 38 for slidably receiving one end of the strap and securing that end in looped relation to the remaining portion thereof. By providing a buckle on one end of the strap 36, the strap may be readily engaged or removed from the aligned loops 37 and the respective sides of the chair 10 for suitably restraining a child therein.

A table leaf 39 is hingedly mounted on the rear transverse edge of the table top 29 for swinging movement from a depending position at the rear edge of the table top 29 to an upwardly-extending horizontal position in horizontal alignment with the table top. The leaf 39, in its extended position, will be positioned between the table 18 and the seat back panel 24 and may be formed with an arcuate cut-out portion 40 which will define a pair of rearwardly-extending side arms 41 engageable on the opposite sides of a child seated on the chair 10.

A suitable bracing member or bar 42 is pivotally secured to the lower side of the table panel 29 adjacent the rear transverse edge thereof. A suitable bolt or pivot pin 44 is engaged through the brace 42 intermediate the length thereof for swinging the brace 42 from a transverse position adjacent the rear transverse edge of the panel 19 to a longitudinally-extending position where a portion of the brace 42 will underlie the table top leaf 39 for holding the table top leaf in horizontal planar alignment with the table top panel 29, clearly shown in Figure 2 of the drawings.

In the use of the chair 10, normally the leaf 40 will be positioned in its dependent relation to the panel 29, shown in dotted lines in Figure 2 of the drawings, and the side-supporting members or straps 36 will be loosened from their respective brackets 37. After the child is seated on the seat panel 20, the leaf 39 may be swung upwardly about its pivot to a horizontal position, shown in full lines in Figure 2 of the drawings, and the straps or braces 36 on the opposite sides of the chair may then be placed in their respective brackets and tightened for restraining the child against inadvertent sliding movement from the seat 11.

I do not mean to confine myself to the exact details of construction herein disclosed, but claim all variations falling within the purview of the appended claims.

I claim:

1. An invalid's chair comprising a horizontal seat, supporting legs on said seat, a back on said seat, transversely-spaced-apart supporting posts on said seat and spaced forwardly from said back, a forwardly-extending table top carried by said posts at the upper ends thereof, a top leaf hinged on said table top swingable from a depending position to a horizontal position between said table top and said back, and flexible retaining members releasably secured between said supporting posts and said back spaced above said seat on the opposite sides thereof.

2. An invalid's chair comprising a horizontal seat, supporting legs on said seat, a back on said seat, transversely-spaced-apart supporting posts on said seat and spaced forwardly from said back, a forwardly-extending table top carried by said posts at the upper ends thereof, a top leaf hinged on said table top swingable from a depending position to a horizontal position between said table top and said back, a bracing member swingable on said table top for bracing said leaf in a horizontal position, and flexible retaining members releasably secured between said supporting posts and said back spaced above said seat on the opposite sides thereof.

3. An invalid's chair comprising a horizontal seat, a chair back on said seat, front and rear supporting legs on said seat, upwardly-extending supporting posts on said front legs extending above said seat, a forwardly-extending table top on the upper ends of said posts, a flexible member releasably connected between each of said posts and one side of said seat back for restraining a person seated straddle on said chair, a hinged table top leaf on the rear edge of said table top swingable from a depending folded position to a horizontal extended position between said table top and said seat back, and releasable bracing means carried by said table top engaging said leaf for securing said leaf in extended position.

CHARLES MARTONICZ.

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