

Nov. 9, 1926.

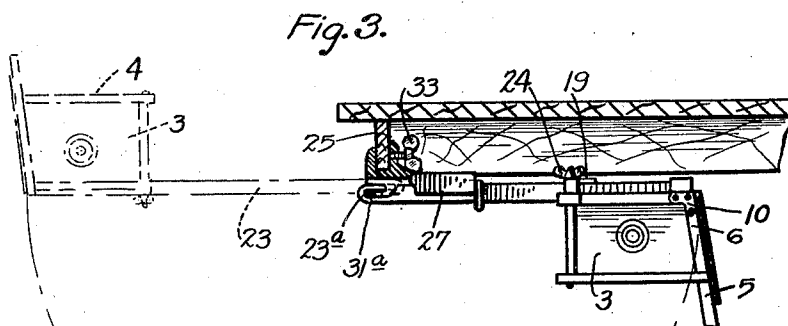
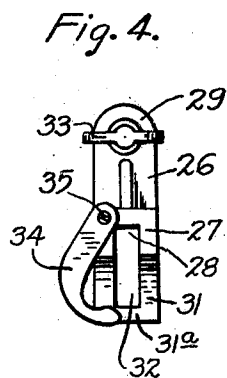
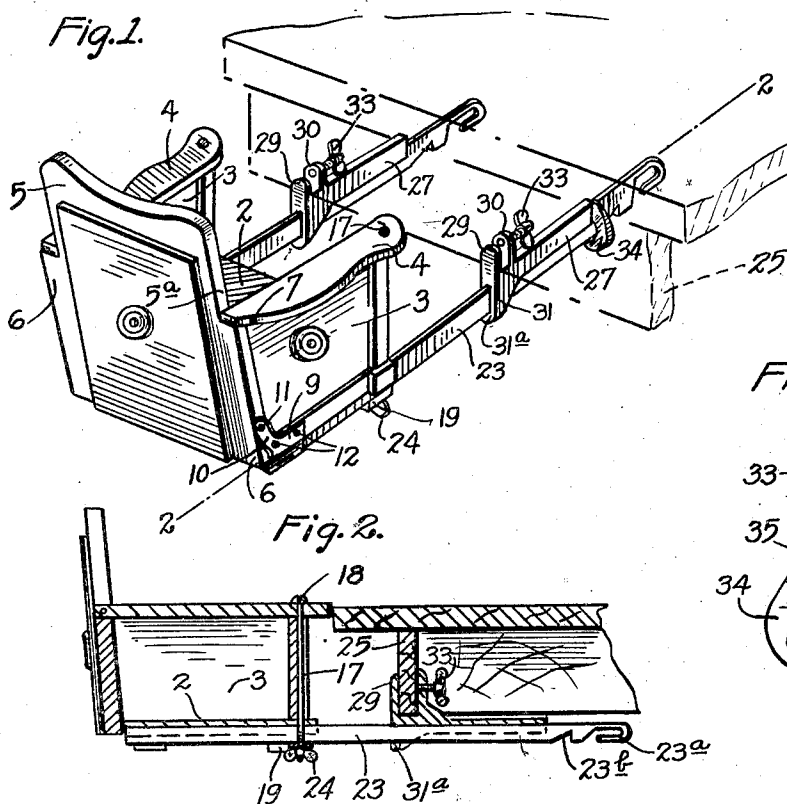
1,606,541

J. STRAITH

INFANT'S CHAIR

Filed Dec. 15, 1921

2 Sheets-Sheet 1



Inventor
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By his Attorney

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Nov. 9, 1926.

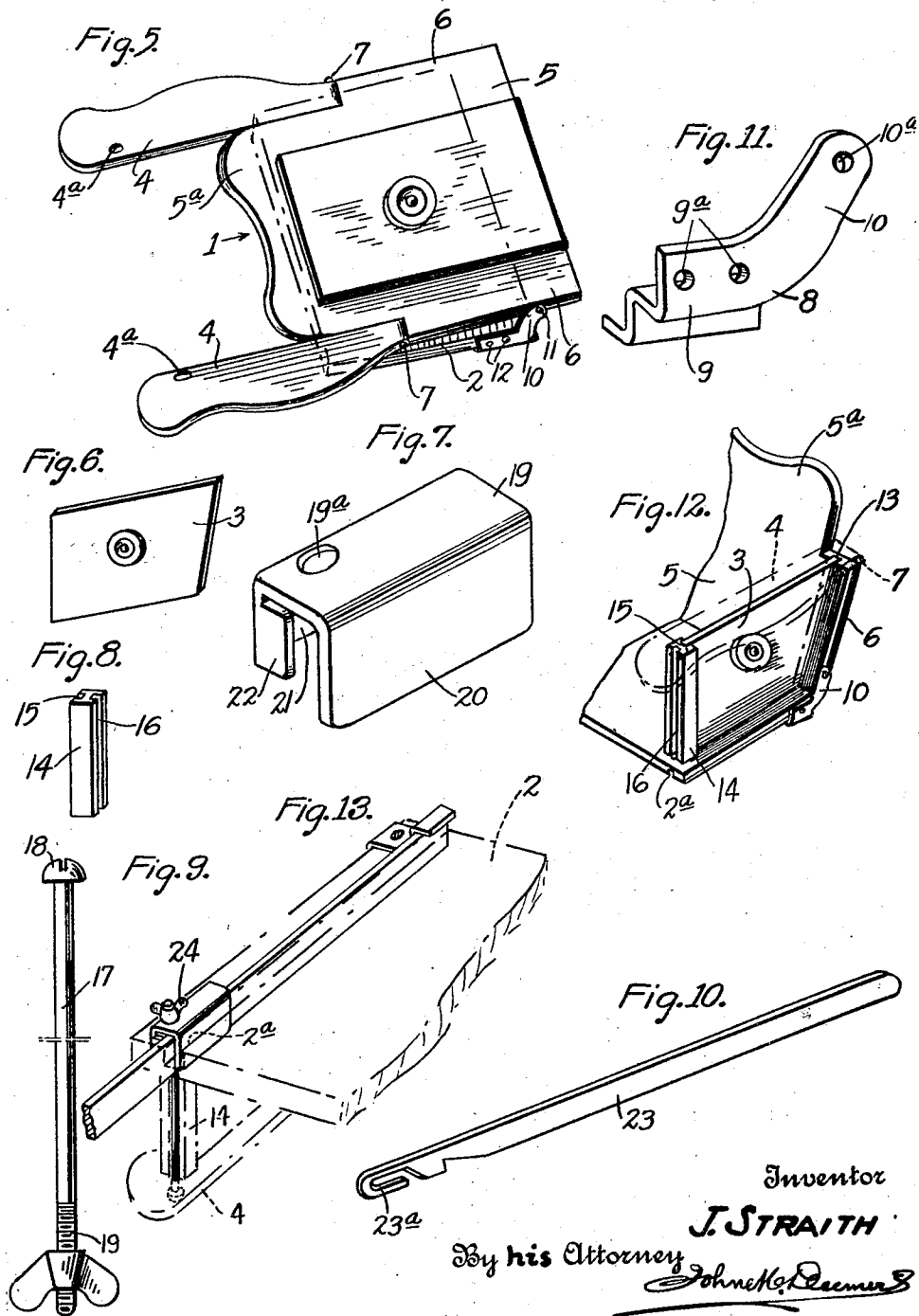
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2 Sheets-Sheet 2



UNITED STATES PATENT OFFICE.

JOHN STRAITH, OF RICHMOND, VIRGINIA.

INFANT'S CHAIR.

Application filed December 15, 1921. Serial No. 522,483.

This invention relates to infants' chairs, having reference particularly to an improved chair adapted for attachment to a table or other article of household furniture.

The invention has for an object the provision of an inexpensive and durable article of this character which is adapted to be swingingly attached to a table, whereby it may be alternately maintained extended beneath the table and in lateral relation thereto.

A further object of the invention is to provide a device of this character which, when extended for use, is laterally adjustable toward and away from the table.

Further objects of the invention being to provide a device of the character named which is provided with means for preventing a child from detaching it by exerting foot-pressure against the table; and means for maintaining the device in position beneath the table, when the chair is not in use.

A still further object of the invention being to provide a device comprising a plurality of foldable and detachable elements adapted to be readily assembled, disassembled and packed in a relatively small space for purposes of storage and transportation.

In carrying out my invention I provide a collapsible chair-element, supporting brackets, slidably and swingingly adjustable means for detachably and adjustably fastening the same to a table, means for preventing accidental detachment from the table when the chair is in use, and means for supporting and maintaining the chair in place beneath the table, when it is not in use, and other novel features all as hereinafter fully described and specifically set forth in the appended claims.

In the accompanying drawings forming part of this specification, Figure 1 is a perspective view showing my improved device attached to one side of a table;

Fig. 2 is a longitudinal sectional view taken on the line 2—2 of Fig. 1;

Fig. 3 is a similar view showing the device positioned beneath the table;

Fig. 4 is an end view of a hanger for fastening the device to the table, the same being drawn on an enlarged scale;

Fig. 5 is a perspective view of the chair-element folded;

Figures 6, 7, 8, 9, 10 and 11 are perspec-

tive views showing several elements of the device detached;

Fig. 12 is a fragmentary perspective view showing parts of the chair-elements; and

Fig. 13 is a fragmentary perspective view showing other parts, said view being inverted.

In the example of my invention illustrated by the drawings, 1 indicates the chair-element comprising a seat 2, sides 3, arms 4 and a back 5. The back 5 is provided with offset parts 6, upon the upper ends of which rest the rear ends of the arms 4, said arms being pivoted to the upper part 5^a of the back 5, by means of screws or pins 7, whereby when the device is collapsed or folded, as shown in Fig. 5 of the drawings, said arms may be extended on a plane with the back 5.

The seat 2 is swingingly connected to the back 5, by means of hinge-elements 8, comprising respectively, a horizontal arm 9 and an obliquely extended arm 10, the upper end of the arm 10 being provided with a hole 10^a, for engaging a pivot-pin 11, which is extended into the back 5, and the arm 9 is being provided with screw-holes 9^a, for the accommodation of screws 12, which extend into the seat 2, whereby said back may be folded over on said seat, as shown in Fig. 5 of the drawings.

Each member 6 of the back 5 is provided with a slot 13, for engagement respectively, with the rear ends of the sides 3, an upright clamping member 14 being provided for engaging the forward end of said side, said clamping-member having a slot 15, for engaging the forward end of the side 3. The forward face of the member 14 is provided with a slot 16, for the accommodation of a rod 17, having a head 18 and a screw-threaded end 19, said rod extended through an aperture 4^a, of the chair-arm 4, the screw-threaded end of the rod 17 extends through an aperture 19^a, of a clamping member 19, which is approximately U-shaped in cross section. One side wall 20 of the clamping member 19 extends into a slot 2^a, of the seat 2, and the other side wall 21 bears on the bottom of said seat and is provided with a lateral tongue 22. Extended between the tongue 22 and the wall 20, of the clamping member 19, is a supporting rod 23, said rod being fixed in clamped engagement with the member 19, by means of a thumb-nut 24, and said rod 23 extended

rearwardly within the slot 2^a, thus it is securely fixed to the seat 2, but adapted for detachment therefrom when it is desired to fold and disassemble the device.

5 As a means for mounting the device on the frame of a table, as 25, I provide brackets 26, which respectively comprise a horizontal arm 27 having a channel or groove 28, upwardly extended jaws 29 and 10 30, and a downwardly extended member 31, having a slot 32, through which the rod 23 extends, whereby said rod may be reciprocated within said bracket. The jaws 29 and 15 30 of the bracket 26 are adapted for clamping engagement with the frame 25, and the bracket is fixed to said frame by means of a set-screw 33, which is threaded through the jaws 30. On the inner end of each rod 23 is a hook 23^a, which is adapted to fulcrum on the cross member 31^a, of the downwardly extended bracket-part 31, when it 20 is desired to swing the device beneath the table, as shown in Fig. 3 of the drawings; and as a means for holding the arms in inwardly extended horizontal position each bracket, at the inner end thereof, is provided with a hook 34, which swings on a pivot 35, as shown in Fig. 4 of the drawings. The rods 23 may also be respectively provided 25 with a notch 23^b adapted for engaging the cross member 31^a to prevent detachment of the device from the table should the chair be moved too far laterally from the table when a child is located therein. The arms 23, 30 however, are of such length, relatively to the length of a child's legs, to prevent the child from pushing the device away from the table far enough to disconnect it from its brackets; but if for any reason the chair 35 is moved too far from the table while it is occupied said notch will act as a stop and maintain the rod on an approximately horizontal plane.

It is manifest by employing this invention 45 a child may be placed within the chair and safely maintained at any desired distance from the table without danger of having the chair accidentally tilted, whereby the necessity of closely watching the child, while at the table, is obviated. Further, when the 50 device is not in use, it may be conveniently maintained beneath the table.

I do not wish to be understood as confining myself to the specific details and formation 55 of the mechanical elements of my invention as herein shown and described, as under the spirit of my invention I believe that I am entitled to employ such variations as may fall within the scope of the appended 60 claims.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:

1. An infant's chair attachable to a table 65 and the like, comprising a member attach-

able to the table, said member having a horizontal slot with a closed lower end, a chair having an inwardly extended elongated arm passing through the said slot, the inner end of said arm provided with a forwardly extending open ended slot for the purpose 70 described, and an outwardly extending notch formed in the under side of the arm for the purpose of limiting its outward movement as described.

2. An infant's chair attachable to a table 75 and the like, comprising a horizontally elongated member attachable to a table, said member having at its outer end a slot with a closed lower end, the inner end of the 80 member having a depending catch, and an elongated member attached to the chair and slidable through the said slot, the inner end of the member having an outwardly extending open ended hook adapted to engage 85 with the lower wall of the said slot, whereby the chair may be folded in a horizontal position beneath the table and held by the said latch.

3. A child's seat for tables, comprising a 90 slidably adjustable and swingingly mounted folding chair-element, and detachable rods extended from said chair-element, said rods each having a hooked end and a notch, and brackets for engaging said rods, said 95 brackets having guide ways for said rods and stops for engaging said hooks and notches, and means for fixing said brackets to a table, said rods adapted to be alternatively swung on said brackets and reciprocated therethrough, whereby the chair-element may be alternatively maintained in inverted position beneath the table and 100 parallel with the top thereof and extended laterally therefrom.

4. An infant's chair attachable to a table 105 and the like, the chair seat having in its under side a longitudinal groove, and an elongated metal bar in said groove, means for clamping the said bar in the groove, the 110 inner end of the bar having an outwardly projecting open ended slot, a member attachable to a table having at its outer end a vertical slot, the lower end of the slot being closed, whereby the chair seat may be pulled 115 outward and the hook engaged with the lower wall of the slot and the seat swung inward to a horizontal position beneath the table, and means for sustaining the seat in its said folded horizontal position.

5. An infant's seat attachable to a table 120 and the like, comprising a member attachable to the table, said member having a vertical slot at its outer end with a closed lower end, said seat having a groove, an elongated 125 metal flat bar arranged vertically in the said slot, means for clamping the bar in the seat groove comprising a metal member applied to its under edge, and a bolt passing through the seat and through the said metallic mem- 130

ber, and a nut applied to the said bolt, the inner end of the said flat elongated bar having an outwardly projecting open ended hook adapted to engage the closed lower end of the said slot, the parts operating as described.

6. An infant's chair attachable to a table and the like, comprising a seat portion having at its under side an elongated slot, an elongated flat bar vertically arranged in the said slot, a substantially U-shaped member one of the parallel legs of the U being longer than the other leg, said member having an inwardly extending lip, said bar adapted to fit in the slot formed by the said lip, and a clamping member passing through the seat portion and through the said member for detachably clamping the parts to the under side of the seat portion, the parts adapted to operate as described.

7. An infant's chair attachable to a table or the like, comprising an elongated member attached to the table, the outer end of said member having a vertical slot with a closed lower end, a seat, an elongated projecting member attached to the seat, the extended end having an outwardly extending open ended slot adapted to engage the said closed lower wall of the slot, whereby the seat may be swung under the table in a horizontal position, and a catch pivoted to the inner end of the said member to swing transversely thereof, for the purpose of holding the chair in a horizontal position beneath the table.

Signed at New York, in the county of New York and State of New York this 18th day of August, A. D. 1921.

JOHN STRAITH.