Oct. 3, 1939. H. J. FRAUNE ET AL 2,174,627

CHAIR

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Fig. 1.

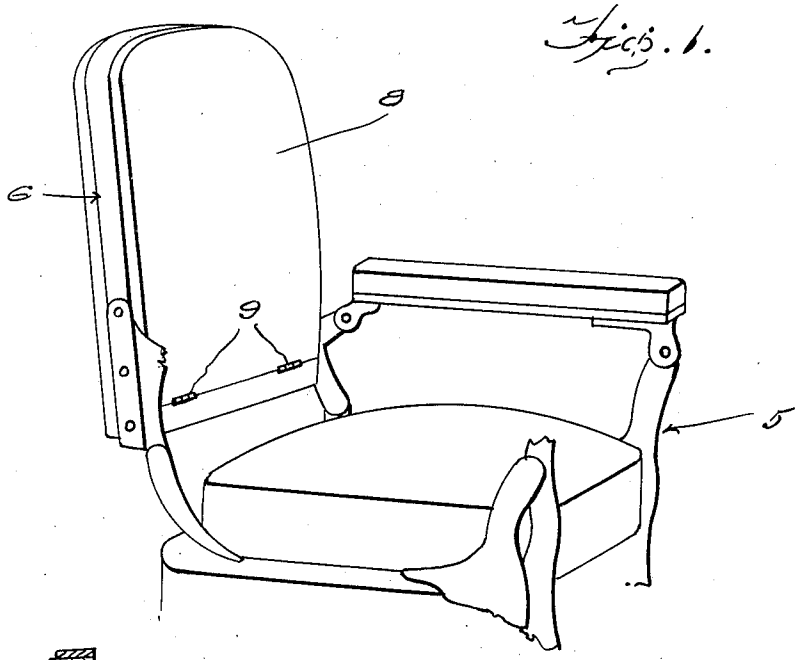
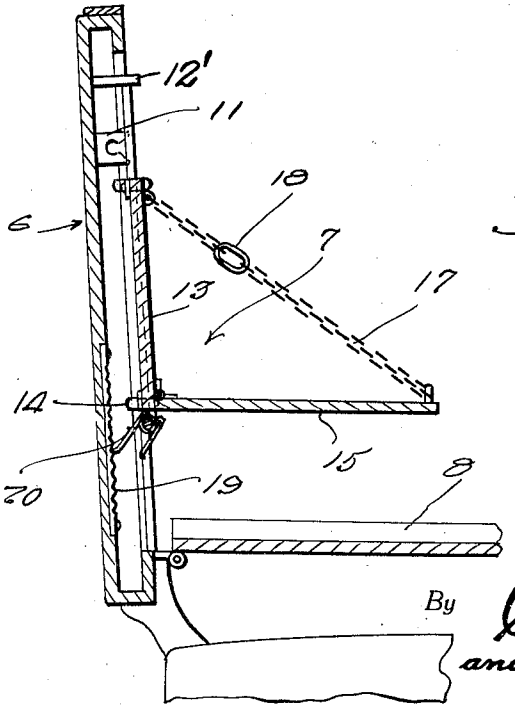


Fig. 4.



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Fig. 2.

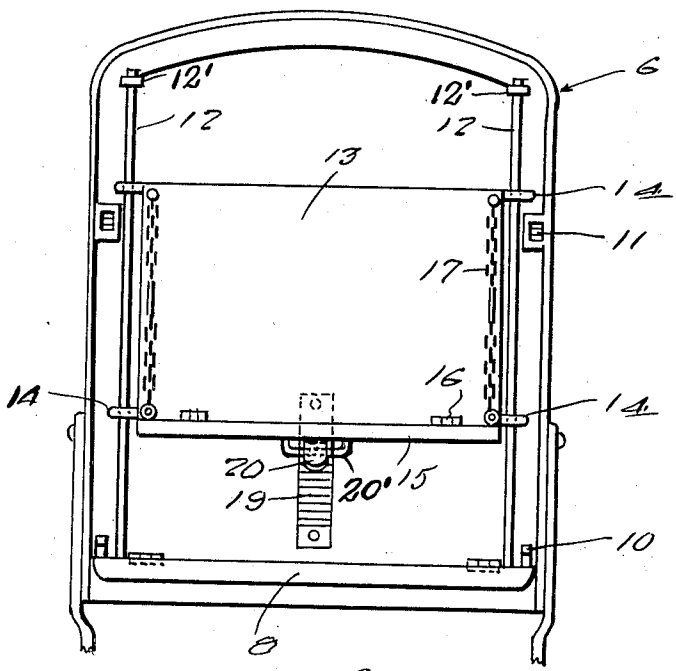
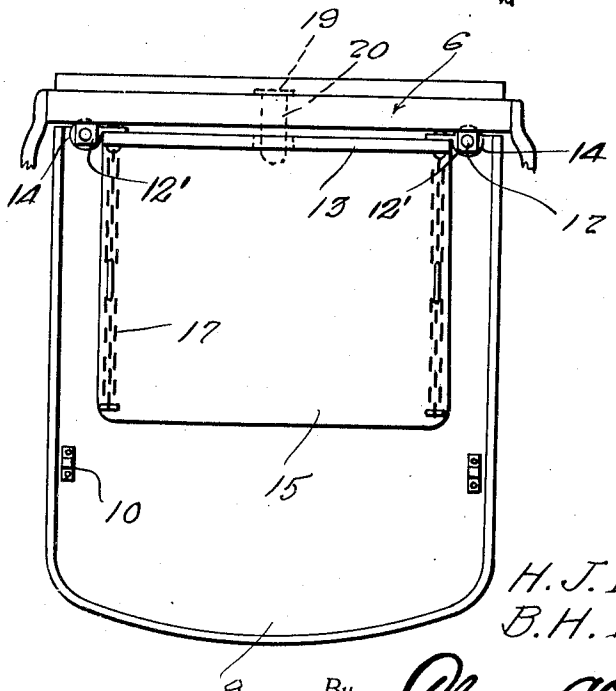


Fig. 3.



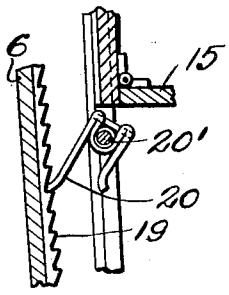


Fig. 5.

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UNITED STATES PATENT OFFICE

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CHAIR

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Application October 19, 1938, Serial No. 235,904

4 Claims. (Cl. 155—132)

This invention relates to chairs and an object of the invention is to provide a barber chair, dental chair, or any similar type of chair with auxiliary chair means for serving a child or other small person; and the invention together with its objects and advantages will be best understood from a study of the following description taken in connection with the accompanying drawings wherein:

Figure 1 is a fragmentary perspective view of a chair having our invention applied thereto.

Figure 2 is a fragmentary elevational view showing the back of the chair and the child's seat associated therewith arranged for accommodating the child.

Figure 3 is a top plan view of the assembly as shown in Figure 2.

Figure 4 is a vertical sectional view showing the child's chair extended for use.

Figure 5 is a detail sectional view showing the spring means carried by the child's chair engaging the rack.

Referring to the drawings by reference numerals it will be seen that 5 indicates a portion of a chair which latter may be a barber's chair, dental chair, or chair of any other and analogous type. Only such part of the chair will be herein referred to as deemed necessary for a complete understanding of the invention.

Thus in accordance with the present invention the back or back-rest 6 of the chair is hollow to form an open front casing in which is accommodated, parts of, an auxiliary child's seat indicated generally by the reference numeral 7.

For the open front side of the casing formed by the back or back-rest 6 there is provided a panel 8 which is hinged to the back 6 at the lower edge of the panel as at 9. This panel is flanged as shown so that when the panel is in closed position a closed chamber is formed by the chair back in which is located the parts forming the invention.

The panel 8 is also provided with U-shaped spring latches 10 cooperable with keeper sockets 11, best shown in Figure 2, provided interiorly of the casing formed by the back 6 for releasably securing the panel 8 in closed condition.

Suitably mounted at the front of the hollow or casing formed by the back 6 are vertical spaced parallel guide rods 12. These rods are shown as having their upper ends fastened to the forwardly extending lugs 12' carried by the back 6.

The child's seat 7 embodies a back member 13 which adjacent its upper and lower corners is provided with guide eyes 14 that slidably embrace the rods 12 whereby the back 13 of the seat 7 is constrained to slide vertically at the front of the back 6.

The chair or seat 7 also embodies a seat member 15 hinged to the back 13 as at 16 and at the hinged edge thereof adapted to suitably abut the lower edge of the back 13 to limit downward swinging movement of the seat 15 relative to the back 13.

The seat 15 is also supported from the back 13 through the medium of flexible members 17 which at one end are suitably anchored to the back 13 and at an opposite end are suitably anchored to the seat 15. In the present instance the flexible members 17 are illustrated as being in the form of lengths of chain.

The flexible members 17 are also provided with links 18 through which may be threaded a strap or the like to extend across the body of the child occupying the seat 7 for restraining the child occupying the seat 7.

For supporting the seat 7 at the desired elevation there is suitably mounted interiorly of the chair back 6 a rack bar 19 shown in Figure 4 and engageable with the rack bar 19 is a spring-biased dog 20 pivoted in any suitable manner to the seat 7 such as by means of a rod 20' suitably supported from the lower end of the back 13 of the chair 7, as shown more particularly in Figures 3 and 4.

It will be seen that when the panel 8 is swung down to the position shown in Figure 4, and the seat is extended as also shown in Figure 4, panel 8 will serve as a foot-rest for the child occupying the seat 7.

When the seat 7 is not in use the seat part 15 thereof is folded up against the back 13 at the front of the chair back 6 and then the panel 8 of the chair back is swung upwardly to the position shown in Figure 1 so that the back 6 and panel 8 form a closed chamber in which are located the parts of the child's chair so that none of the parts of the chair are visible.

It is thought that a clear understanding of the construction, utility and advantages of an invention of this character will be had without a more detailed description thereof, and it is to be understood that it is in no wise intended to limit the application of the invention to any one particular type of chair.

Having thus described the invention what is claimed as new is:

1. A chair having a hollow back with an open front, a panel for the open front of said back and hinged thereto, and an auxiliary seat embodying

a back slidably mounted at the front of the hollow of the chair back, and a seat member hinged to the said back of said auxiliary seat.

2. A chair having a hollow back with an open front, a panel for the open front of said back and hinged thereto, and an auxiliary seat embodying a back slidably mounted at the front of the hollow of the chair back, and a seat member hinged to the said back of said auxiliary seat, and interengaging means mounted on the chair back and on said auxiliary seat for securing the auxiliary seat at the desired position of vertical adjustment.

3. A chair including a back having an open front, a hinged panel for closing the open front of the chair back, a pair of spaced parallel guide rods mounted at the front of the chair back, an auxiliary seat including a back member having guide eyes extending laterally therefrom and slidably embracing said guide rods, and a seat member hinged to the back of said auxiliary seat.

4. A chair including a back having an open front, a hinged panel for closing the open front of the chair back, a pair of spaced parallel guide rods mounted at the front of the chair back, an auxiliary seat including a back member having guide eyes extending laterally therefrom and slidably embracing said guide rods, and a seat member hinged to the back of said auxiliary seat, means connected with the back and seat of the auxiliary seat for limiting downward swinging movement of the seat member relative to said back of the auxiliary seat, a rack bar vertically mounted within the hollow of the chair back, and a spring-biased dog pivotally mounted on the auxiliary seat and cooperable with said rack bar for securing the auxiliary seat at the desired position of vertical adjustment.

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