May 23, 1950 A. G. GOLDBERG 2,508,822

SUSPENSIBLE CHILD'S CHAIR

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Fig. 1.

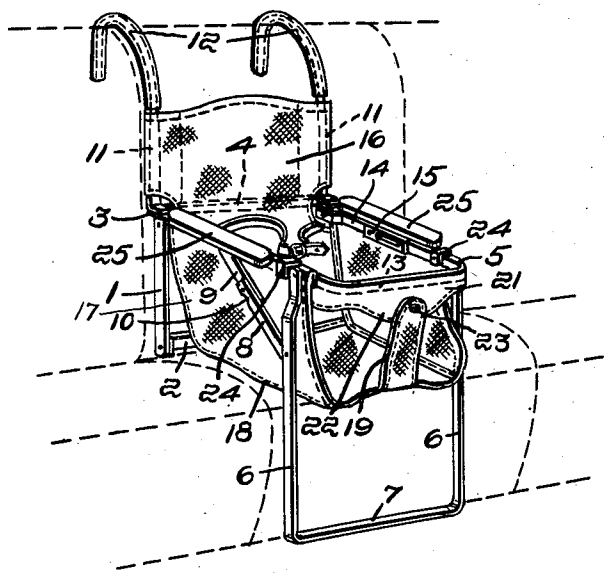
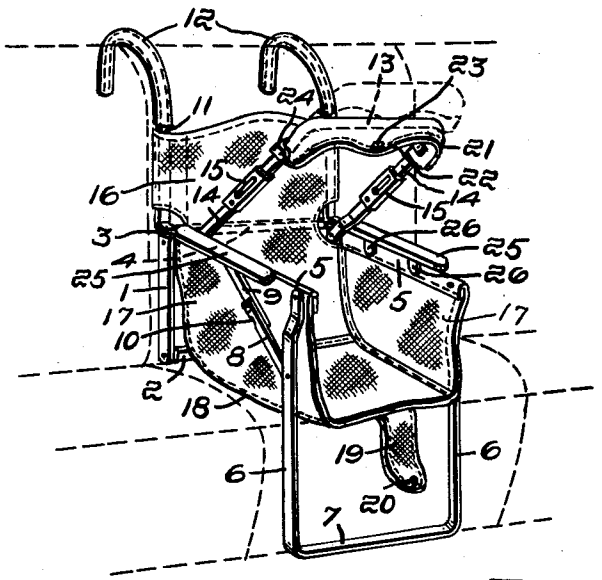



Fig. 2.




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Fig. 3.

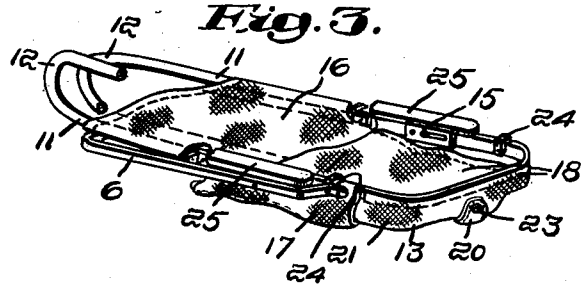



Fig. 4.

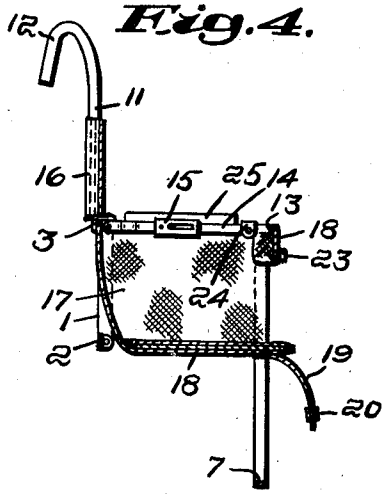
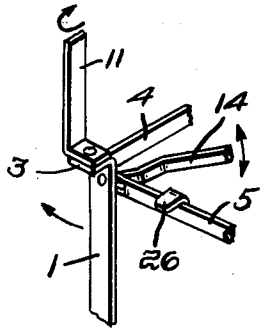



Fig. 5.




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## SUSPENSIBLE CHILD'S CHAIR

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3 Claims. (Cl. 155—10)

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This invention relates to improvements in a suspensible chair for a child adapted primarily for use in vehicles, such as automobiles, in which the chair may be detachably hung upon the back of a front or rear seat, but which may also be supported upon the back of a chair, sofa, or other type of furniture, or other suitable support. Usual suspensible chairs of this type comprise a frame having a back provided with upwardly extending hook-shaped suspending members adapted to engage over the back of an automobile seat and having horizontal arms extending therefrom, a fabric seat member mounted upon the arms and depending therefrom with a horizontal seat section and a front vertical section secured to said arms to prevent the child from sliding or otherwise getting out of the chair extending upwardly from the front edge thereof provided with apertures through which the legs of the child are inserted, which when the child is placed in or removed from the chair requires the child to be raised upwardly sufficiently to enable the insertion or removal of its legs from said front apertures.

In modern types of streamline automobiles the distance from the top of the automobile to the seats has been so reduced that when a child is thus raised its head is likely to strike the top and injure or at least annoy the child.

The principal object of this invention is to provide a suspensible chair with a pivotally mounted child-restraining means adapted to be raised above the head of the child so that the child can be conveniently placed in or removed from the front of the chair without so raising the child as to bump its head against the top.

A further object of the invention is to provide an extensible child-restraining means which can be raised well above the head of the child thus enabling children of different ages and sizes to be conveniently placed in or removed from the chair.

Another important object of the invention is to provide a chair of the character described which can be conveniently collapsed into a minimum space for storage in the trunk of the automobile or elsewhere.

These and other objects and features of the invention will more fully appear from the following description and the accompanying drawings and will be particularly pointed out in the claims.

A preferred embodiment of the invention is disclosed in the accompanying drawings, in which,

Fig. 1 is a perspective view of the chair embodying the invention showing the manner in

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which it is supported upon the back of the seat and the floor of an automobile and illustrating the child-confining device in normal position;

Fig. 2 is a similar view illustrating the child-confining device in raised position;

Fig. 3 is a perspective view of the chair in collapsed position;

Fig. 4 is a vertical median sectional view of the construction illustrated in Fig. 1; and,

Fig. 5 is a perspective view of the junction of a rear leg of the main frame, the rear leg-spacing means, a main frame side bar, and a supplemental frame side bar.

A preferred embodiment of the invention which is disclosed in the accompanying drawings comprises a main frame having vertical horizontally spaced parallel short rear legs 1 connected at their lower ends by a horizontal bar 2 adapted to rest upon the seat of an automobile and having at their upper ends outwardly extending flanges 3 and a spacing bar 4 secured to the upper ends of the rear legs and side bars 5 pivotally mounted upon the upper ends of the legs 1 and normally extending forwardly therefrom. Front legs 6 pivotally mounted upon the free front ends of the side bars 5 are connected at their lower ends by a horizontal bar 7 adapted to rest upon the floor of the automobile. An inclined toggle having links 8 and 9 pivotally connected respectively to the legs 6 and side bars 5 is provided with interengaging means 10, which may be a flange on one of the members 8 or 9 extending beneath the other member, for normally locking the arms in alinement. Suspension members 11, which are respectively pivotally mounted upon the flanges 3, extend upwardly parallel to the rear legs and are provided with hook-shaped end portions 12 preferably enclosed in rubber shields adapted to embrace the upper edge of the back of the seat of an automobile, a chair, or other suitable suspending means.

A supplemental child-confining frame is pivotally mounted upon the side bars of the main frame and comprises a horizontal bar 13 having curved end portions merging into horizontal side bars 14 which extend in juxtaposition to the side bars 5 of the main frame, and are pivotally connected at their rear ends to the side bars of the main frame in proximity to the rear legs 1. The side bars on the supplemental frame comprise a slotted sleeve 15 which embraces adjacent end portions of the alined sections of the bars of the supplemental frame and is secured to one of said sections with a stud mounted in the adjacent end of the other section slidably mounted

in the slot of said sleeve, whereby the horizontal section of the supplemental frame may be extended sufficiently to swing over the head of the child.

A seat member of flexible material, such as canvas, comprises a vertical section 16, the respective edges of which embrace the suspension members 11 and side sections 17 which are secured at their upper edges, as by hems, to the forwardly extending side bars 5 of the main frame and a depending horizontal seat section 18 which preferably extends beyond the ends of the horizontal bars of the main section and is provided at its forward edge midway of its width with a forwardly extending flap 19 having adjacent its end the locking member 20.

The horizontal bar of the supplemental frame has secured thereto, as by a hem, or by rivets, a fabric strip 21 of like material extending around the curved sections of the bar and provided intermediate of its length with a depending portion 22 having a locking member 23 complementary to that in the flap which extends from the central portion of the seat member.

The side members of the supplemental frame are provided with means such as hook-shaped members 24 rigidly connected thereto adapted to engage over the side bars 5 of the main frame to retain the supplemental frame in horizontal position.

In the operation of the device when the child is to be placed in the chair the horizontal bar of the supplemental frame is pulled outwardly to extended position and swung upwardly to vertical position, the child thereupon is deposited on the seat of the chair, and the supplemental frame swung downwardly to horizontal position and pushed rearwardly to enable the hook-shaped members to engage the horizontal bars 5 of the main frame. The flap 19 and the portion 22 are then placed in juxtaposition and locked thereby enabling the legs of the child to extend through apertures on opposite sides of the flap 19, thus confining the child within the chair and preventing it from sliding forward or otherwise escaping from the chair. When the child is to be removed from the chair the locking means is disengaged and the supplemental frame swung upwardly about its pivot in extended position so that the child can be readily removed from the front of the chair without the necessity of lifting the child in such manner that its head might engage the top of the automobile. After the child has been removed from the chair the chair may be collapsed by swinging the suspension members into substantial parallelism with the plane of the back of the main frame, then swinging the side bars of the main frame downwardly into substantial parallelism with the plane of the back of the chair, and finally breaking the toggles and swinging the front legs rearwardly into approximate parallelism with the plane of the rear legs.

For the comfort of the child suitable horizontal arm rests 25 are mounted, as by the brackets 26, upon the side bars of the main frame.

It will be understood that the particular embodiment of the invention shown and described herein is of an illustrative character and that various changes in construction and arrangement of parts may be made within the spirit and scope of the following claims.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is:



1. A suspensible chair for a child comprising a main frame having vertical rear legs, means for maintaining said legs in suitably spaced parallelism, upwardly extending suspension members secured to said legs and having rearwardly curved hooked end portions adapted to embrace the upper edge of a wide vertical supporting member, side bars connected to and normally extending horizontally from the respective rear legs, front legs of substantially greater length than the rear legs connected to the front ends of said side bars, a seat member of strong flexible material having a vertical section connected at its side edges to said suspension members, and a depending seat member mounted at its edges upon said side bars and having a horizontal seat section provided midway of its front edge with a flap, a supplemental child-confining frame having a front horizontal bar, curving at its ends into rearwardly extending extensible bars in juxtaposition to the side bars of the main frame and pivotally connected thereto adjacent to the respective rear legs, means on the side bars of said supplemental frame adapted detachably to engage the side bars of the main frame to hold the supplemental frame in horizontal position, a strip of strong flexible material mounted upon and extending across the front bar and the curved end portions thereof provided centrally with a downwardly extending portion complementary to the flap on said seat section, and cooperating locking means upon the said flap and portion adapted when engaged to provide apertures for the respective legs of a child, whereby upon release of the locking means the supplemental frame may be swung upwardly above the child's head thereby to enable the child to be horizontally removed from the chair.

2. A suspensible chair for a child comprising a main frame having vertical rear legs, means for maintaining said legs in suitably spaced parallelism, upwardly extending suspension members secured to said legs and having rearwardly curved hooked end portions adapted to embrace the upper edge of a wide vertical supporting member, side bars connected to and normally extending horizontally from the respective rear legs, front legs of substantially greater length than the rear legs connected to the front ends of said side bars, a seat member of strong flexible material having a vertical section connected at its side edges to said suspension members, and a depending seat member mounted at its edges upon said side bars and having a horizontal seat section provided midway of its front edge with a flap, a supplemental child-confining frame having a front horizontal bar provided with rearwardly extending extensible bars in juxtaposition to the side bars of the main frame pivotally connected thereto adapted to be swung upwardly to permit the child to be horizontally removed from the chair, a flap secured to and depending from said horizontal bar, and cooperating locking means upon said flaps adapted when engaged to provide apertures for the legs of the child.

3. A suspensible collapsible chair for a child comprising a main frame having rear legs provided at their upper ends with laterally extending flanges, suspension members having flanges pivotally mounted upon the respective flanges of said legs and having curved hooked extensions adapted to embrace the upper edge of a wide vertical supporting member, horizontal spacing bars connecting the upper and lower ends of said legs to maintain said legs and suspension mem-

bers in parallelism, side bars pivotally connected to the upper ends of said rear legs and extending forwardly therefrom, relatively long front legs pivotally connected to the front ends of the side bars, inclined toggle members connecting the legs to the side bars, means for normally retaining the toggle members in alinement, a seat member of strong flexible material having a vertical section connected at its edges to said suspension members and a depending horizontal seat section having sides secured at their edges to said side bars and having a flap extending from the central portion of its front edge, a supplemental child-confining frame having a front horizontal bar curving at its ends into rearwardly extending extensible bars in juxtaposition to the side bars of the main frame, and pivotally connected thereto adjacent to the respective rear legs, means on the side bars of said supplemental frame adapted detachably to engage the side bars of the main frame to hold the supplemental frame in horizontal position, a strip of strong flexible material mounted upon and extending across the front bar and the curved end portions thereof provided centrally with a downwardly extending flap portion complementary to the flap



on said seat section, and cooperating locking means upon the respective flaps adapted when engaged to provide apertures for the respective legs of a child, whereby upon release of the locking means the supplemental frame may be swung upwardly above the child's head thereby to enable the child to be horizontally removed from the chair, and whereby by swinging the suspension members the side arms of the main frame and the supplemental frame into parallelism with the plane of the rear legs, breaking the toggle members, and swinging the front legs in parallelism to said plane the chair may be collapsed to occupy a minimum space.

ABRAHAM G. GOLDBERG.


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