April 14, 1953 J. B. YOUNG 2,634,794

FOLDING INFANT'S CHAIR

Filed Sept. 6, 1950 3 Sheets-Sheet 1

Fig. 1.

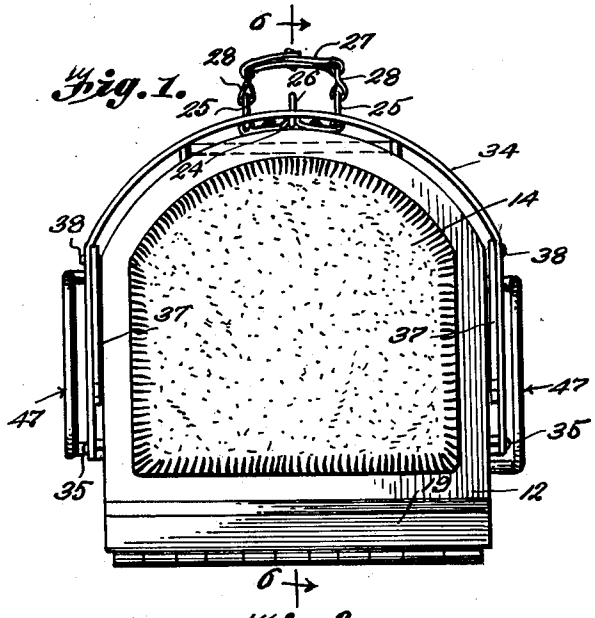


Fig. 2.

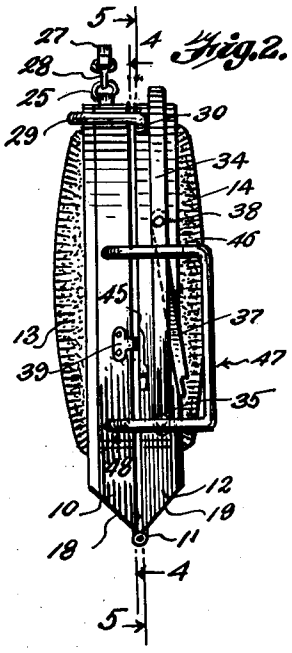


Fig. 3.

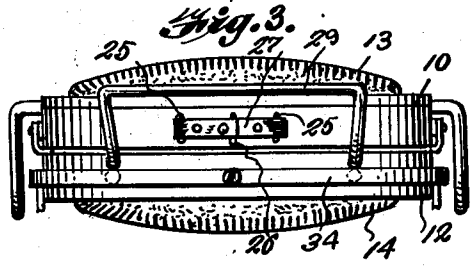


Fig. 4.

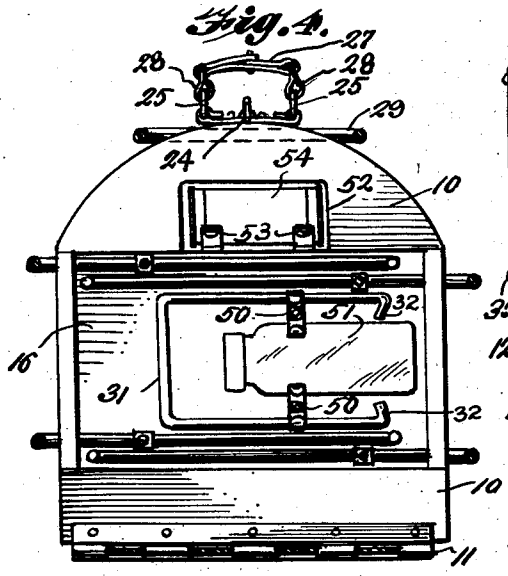
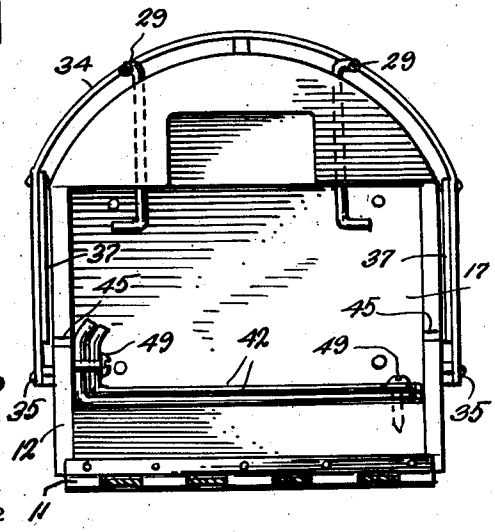


Fig. 5.



INVENTOR.
JOHN B. YOUNG

BY

Patrick D Beavers
ATTORNEY

April 14, 1953 J. B. YOUNG 2,634,794

FOLDING INFANT'S CHAIR

Filed Sept. 6, 1950 3 Sheets-Sheet 2

Fig. 6.

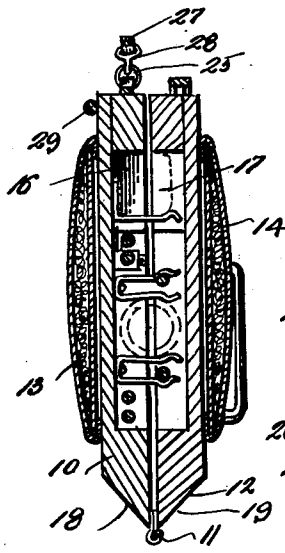


Fig. 8.

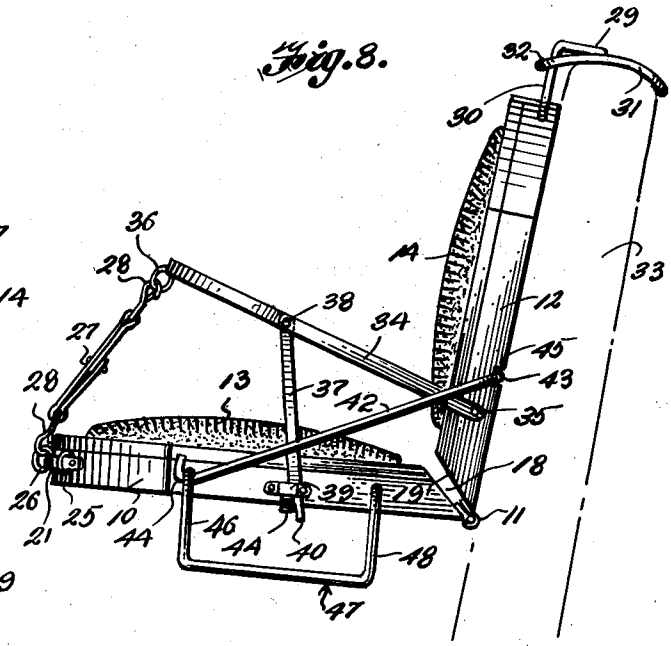


Fig. 7.

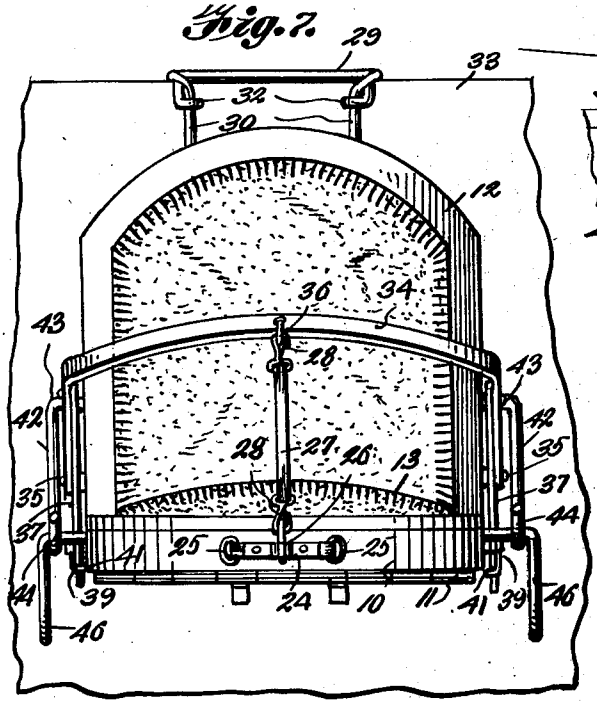


Fig. 8a.

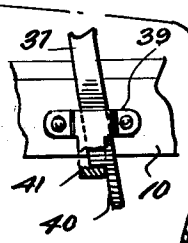
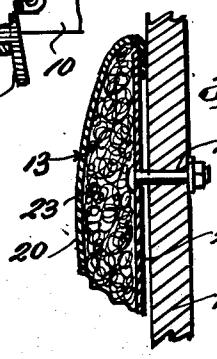


Fig. 11.



INVENTOR.
JOHN B. YOUNG

BY

Patrick D Beaver
ATTORNEY

April 14, 1953 J. B. YOUNG 2,634,794

FOLDING INFANT'S CHAIR

Filed Sept. 6, 1950 3 Sheets-Sheet 3

Fig. 9.

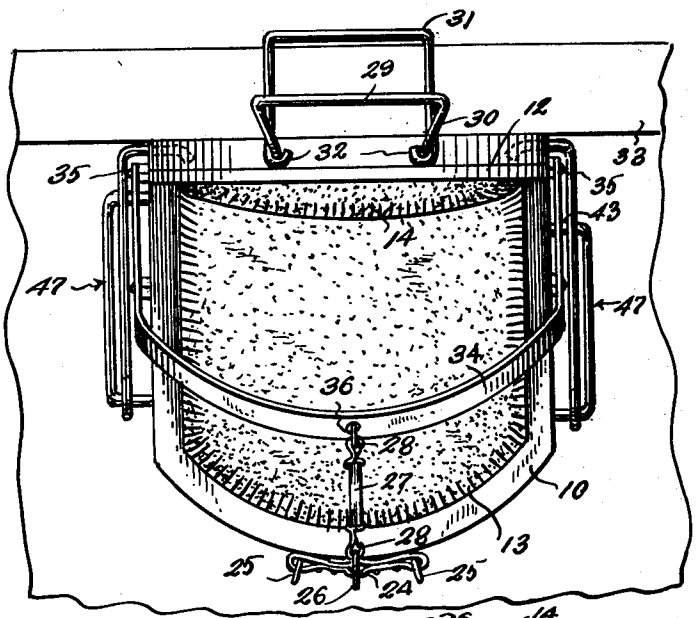


Fig. 10.

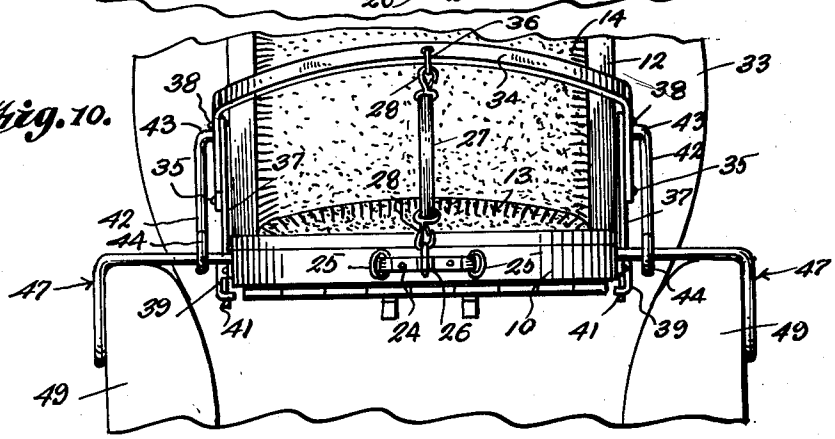


Fig. 12.



Fig. 13.

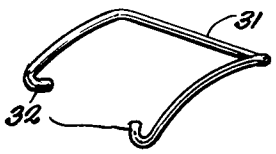
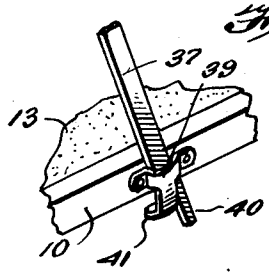


Fig. 14.



INVENTOR.
JOHN B. YOUNG

BY

Patrick D Beaver
ATTORNEY

Patented Apr. 14, 1953 2,634,794

UNITED STATES PATENT OFFICE

2,634,794

FOLDING INFANT'S CHAIR

John B. Young, Atlanta, Ga.

Application September 6, 1950, Serial No. 183,356

6 Claims. (Cl. 155—79)

1

The present invention relates to a folding infant's chair and it consists in the combinations, constructions and arrangement of parts herein described and claimed.

Generally there is provided a folding infant's chair which comprises a back portion and a seat portion hinged thereto for movement about a 270° arc. When in closed condition the device may be easily carried by a handle strap and all the various parts of the device are then arranged in a very compact manner. When opened, however, the device may be mounted upon the back of an automobile seat or the like or, on the other hand, may be mounted upon the arms of an arm chair, theater chair or the like. Various novel devices are included in the invention and means is provided for the compact storing of infant's needs such as, baby powder, bottles and the like.

It is accordingly an object of the invention to provide a device of the character set forth which is simple in construction and operation, relatively inexpensive to manufacture and yet effective and efficient in use.

A further object of the invention is the provision, in a device of the character set forth, of a novel combined carrying handle and brace member forming a part of the invention.

A further object of the invention is the provision of novel means for mounting a device of the character set forth upon the back of a chair or the like.

A further object of the invention is the provision, in a device of the character set forth, of novel means for mounting the same upon the arms of a chair or the like.

Other and further objects of the invention will become apparent from a reading of the following specification taken in conjunction with the drawings, in which:

Figure 1 is a front elevational view of an embodiment of the invention shown in closed condition,

Figure 2 is a side elevational view of Figure 1,

Figure 3 is a plan view of Figure 1,

Figure 4 is a sectional view taken along line 4—4 of Figure 2,

Figure 5 is a sectional view taken along line 5—5 of Figure 2,

Figure 6 is a sectional view taken along line 6—6 of Figure 1,

Figure 7 is a front elevational view of the device shown in opened condition and mounted upon the back of a chair,

Figure 8 is a side elevational view of Figure 7,

Figure 8a is a fragmentary elevational view, partly in section, illustrating certain details of the invention,

2

Figure 9 is a plan view of the device as shown in Figures 7 and 8,

Figure 10 is a view similar to Figure 7 but showing the device mounted upon the arms of a chair,

Figure 11 is an enlarged fragmentary vertical sectional view illustrating certain details of construction,

Figure 12 is a perspective view of a brace member utilized in the invention,

Figure 13 is a perspective view of an extension member forming a part of the invention, and

Figure 14 is a fragmentary perspective view illustrating further details of the invention.

Referring more particularly to the drawings, there is shown therein a seat member 10 hinged at one end, as indicated at 11 to a back member 12. Both the members 10 and 11 are provided upon their outer side with padding 13 and 14, respectively, and on their opposite sides with wells 16 and 17, respectively. The adjacent edges of the members 10 and 12 are cut at 45° angles so that the limit of rotation of either member with respect to the other about the hinge 11 is limited to an arc of 270° and it will be seen that when the device is in opened condition, as shown for example, in Figure 8 of the drawings, the adjacent edges so described will abut one another. The edges or ends are indicated at 18 and 19, respectively.

The padding 13 or 14 may consist, as illustrated in Figure 11, of an outer covering 20 which is held against the outer face of the seat or back members 10 or 12 as the case may be by means of a plate 21 secured to the member 10 or 12 by means of bolts 22. The space encompassed by the plate 21 and the covering 20 may be filled with suitable yieldable material 23.

The free end of the seat member 10 has centrally and transversely secured thereto a band 24 having rings 25 loosely mounted at either end thereof and a ring 26 likewise loosely mounted but centrally thereof. A combined carrying strap and brace 27 is provided at either of its ends with a snap hook 28. The hooks 28 are normally engaged in the rings 25 to form a carrying handle for the device which extends through the perpendicularly extending bight portion 29 of a U-shaped support member 30. The legs of the member 30 are each inwardly directed in that portion thereof which forms the perpendicularly directed portion 29, as clearly illustrated in Fig-

ure 9 of the drawings. A U-shaped extension member 31 is provided with inwardly directed hooks formed at the free ends of each of its legs, as indicated at 32. The hooks are engageable over the legs 29 of the member 30 and when it is desired to mount the chair forming the present invention upon the back of an ordinary chair, as shown at 33 in Figure 8, it will be seen that the member 31 will rest upon the top of the back 33 to support the device.

A substantially U-shaped safety belt 34 is pivoted at each of its free ends, as indicated at 35, to opposite sides of the back member 12 and when not in use is aligned closely with the adjacent sides of the back member 12 but when in use may be swung upon its pivotal point 35 to a position above the seat member 10, as illustrated in Figure 8 at which time the hooks 28 may be engaged in the ring 26 and in a ring 36 centrally mounted upon the member 34.

A brace member 37 is pivotally connected, as indicated at 38, to each side of the member 34 and, when the device is in carrying position, is adapted to lie between the member 34 and the back member 12, as indicated at Figure 1 of the drawings, but when the member 34 is extended for use, the brace member 37 may be extended downwardly through brackets or sockets 39 affixed to each side of the seat member 10. The free end of each of the arms 37 is provided with a shoulder 40 which is adapted to bear on a stop lug 41 formed integrally with the bracket 39 thereby to support rigidly the member 34.

When an infant has reached an age where the confining device 34 is no longer necessary and additional or stronger support is needed for the seat member 10 when in operative position there is provided a pair of brace arms 42 each provided with an integrally formed inwardly directed U-shaped hook 43 at one end and inwardly directed curvular hook 44 likewise formed integrally at the other end. A notch 45 is formed upon the inner face of each side of the back member 12 for the reception of the hook 43 of one of the brace members while the hook 44 of each of the brace members 42 is engageable under the forward leg 46 of an arm engaging member generally designated at 47. The members 47 are each provided with forward legs 46, as aforesaid and rearward legs 48 which legs are laterally slidable in either side of the seat member 10 and which are each bent downwardly so as to be engageable with the outer faces of the arms 49 of a conventional chair.

The brace members 42 may be stored when not in use by arranging the same inwardly of a pair of laterally extending screws 49. Within the well 16 there is provided a pair of clip members 50, formed of spring material, and in the outer ends of the clip members 50 the extension 31 may be engaged and stored when not in use while between the inner ends of the members 50 there may be removably mounted a bottle 51 or the like. In an extension recess 52 of the well 16 there is provided a pair of spring clips 53 for the removable mounting of, for example, a box of baby powder or the like as indicated at 54.

It will be seen that the device may easily be carried by folding the same upon its pivotal hinge 11 to the position shown in Figures 1 to 3, inclusive, at which time the combined handle and brace member 27 may extend through the member 29 thereby to hold the entire device together as a single unit. In this condition the members 47 are moved to their innermost positions and the members 31 and 42 are stored within the wells 16 and 17.

When, however, it is desired to utilize the device as a seat, it is only necessary to revolve the hinged parts about their axis 11 and, to support the same upon the back of a chair, the device 29 is utilized whereas, when it is desired to support the device upon the arms 49 of a chair, the devices 47 are utilized to support the same. It will be apparent that the wells 16 and 17 register with each other when the device is in folded condition and that elements stored in one of the wells may protrude slightly into the other of such wells.

While but one form of the invention has been shown and described herein, it will be readily apparent to those skilled in the art that many minor modifications may be made without departing from the spirit of the invention or the scope of the appended claims.

What is claimed is:

1. A device of the character described comprising a seat member, a back member hinged to said seat member, each of said members being provided with a well in the rear face thereof, said rear faces abutting each other in closed condition and said members being revoluble 270° to open condition, a U-shaped safety belt having its ends pivoted to said back member, a strap, means for interconnecting the strap with the seat member and the safety belt, means for connecting each end of the strap with said seat member to form a carrying handle, a chair back-engaging member vertically slidable in the outer end of said back member and having a horizontal portion engageable over the outer end of said seat member when the device is in closed condition, extension means for said chair back-engaging member, bracing means for said seat member, and brace means for said safety belt.

2. A device of the character described comprising a seat member, a back member hinged to said seat member, each of said members being provided with a well in the rear face thereof, said rear faces abutting each other in closed condition and said members being revoluble 270° to open condition, a U-shaped safety belt having its ends pivoted to said back member, a strap, means for interconnecting the strap with the seat member and the safety belt, means for connecting each end of the strap with said seat member to form a carrying handle, a chair back-engaging member vertically slidable in the outer end of said back member and having a horizontal portion engageable over the outer end of said seat member when the device is in closed condition, an outwardly and downwardly extending chair arm-engaging member horizontally slidable in each side of said seat member, extension means for said chair back-engaging member, bracing means for said seat member, and bracing means for said safety belt.

3. A device of the character described comprising a seat member, a back member hinged to said seat member, each of said members being provided with a well in the rear face thereof, said rear faces abutting each other in closed condition, and said members being revoluble 270° to open condition, a U-shaped safety belt having its ends pivoted to said back member, a strap, means for interconnecting the strap with the seat member and the safety belt, means for connecting each end of the strap with said seat member to form a carrying handle, a chair back-engaging member vertically slidable in the outer end of said back member and having a horizontal por-

tion engageable over the outer end of said seat member when the device is in closed condition, an outwardly and downwardly extending chair arm-engaging member horizontally slidable in each side of said seat member, a socket affixed to each side of said seat member, a brace member pivotally connected to each side of said safety belt and having its free end receivable in one of said sockets, extension means for said chair back-engaging member, and brace means for said seat.

4. A device of the character described comprising a seat member, a back member hinged to said seat member, each of said members being provided with a well in the rear face thereof, said rear faces abutting each other in closed condition, said members being revoluble 270° to open condition, a U-shaped safety belt having its ends pivoted to said back member, a strap, means for interconnecting the strap with the seat member and the safety belt, means for connecting each end of the strap with said seat member to form a carrying handle, a chair back-engaging member vertically slidable in the outer end of said back member and having a horizontal portion engageable over the outer end of said seat member when the device is in closed condition, an outwardly and downwardly extending chair arm-engaging member horizontally slidable in each side of said seat member, a socket affixed to each side of said seat member, a brace member pivotally connected to each side of said safety belt having its free end receivable in one of said sockets, and a downwardly curved generally horizontal extension for said chair back-engaging member removably engageable thereon, and brace means for said seat.

5. A device of the character described comprising a seat member, a back member hinged to said seat member, each of said members being provided with a well in the rear face thereof, said rear faces abutting each other in closed condition, said members being revoluble 270° to open condition, a U-shaped safety belt having its ends pivoted to said back member, a strap, means for interconnecting the strap with the seat member and the safety belt, means for connecting each end of the strap with said seat member to form a carrying handle, a chair back-engaging member vertically slidable in the outer end of said back member and having a horizontal portion engageable over the outer end of said seat member when the device is in closed condition, an outwardly and

downwardly extending chair arm-engaging member horizontally slidable in each side of said seat member, a socket affixed to each side of said seat member, a brace member pivotally connected to each side of said safety belt and having its free end receivable in one of said sockets, a downwardly curved generally horizontal extension for said chair back-engaging member removably engageable thereon, and a pair of removably mounted bracing hooks removably interconnecting said back member and said chair arm-engaging members.

6. A device of the character described comprising a seat member, a back member hinged to said seat member, each of said members being provided with a well in the rear face thereof, said rear faces abutting each other in closed condition, said members being revoluble 270° to open condition, a U-shaped safety belt having its ends pivoted to said back member, a strap, means for interconnecting the strap with the seat member and the safety belt, means for connecting each end of the strap with said seat member to form a carrying handle, a chair back-engaging member vertically slidable in the outer end of said back member and having a horizontal portion engageable over the outer end of said seat member when the device is in closed condition, an outwardly and downwardly extending chair arm-engaging member horizontally slidable in each side of said seat member, a socket affixed to each side of said seat member, a brace member pivotally connected to each side of said safety belt and having its free end receivable in one of said sockets, a horizontally downwardly curved extension for said chair back-engaging member removably engageable thereon, a pair of removably mounted bracing hooks removably interconnecting said back member and said chair arm-engaging members, said wells having yieldable brackets mounted therein for the storage of said removably mounted parts and for other paraphernalia.

JOHN B. YOUNG.

References Cited in the file of this patent

UNITED STATES PATENTS

Number	Name	Date
1,641,952	Abraham	Sept. 13, 1927
2,291,640	Lee	Aug. 4, 1942
2,428,088	McEachern	Sept. 30, 1947