

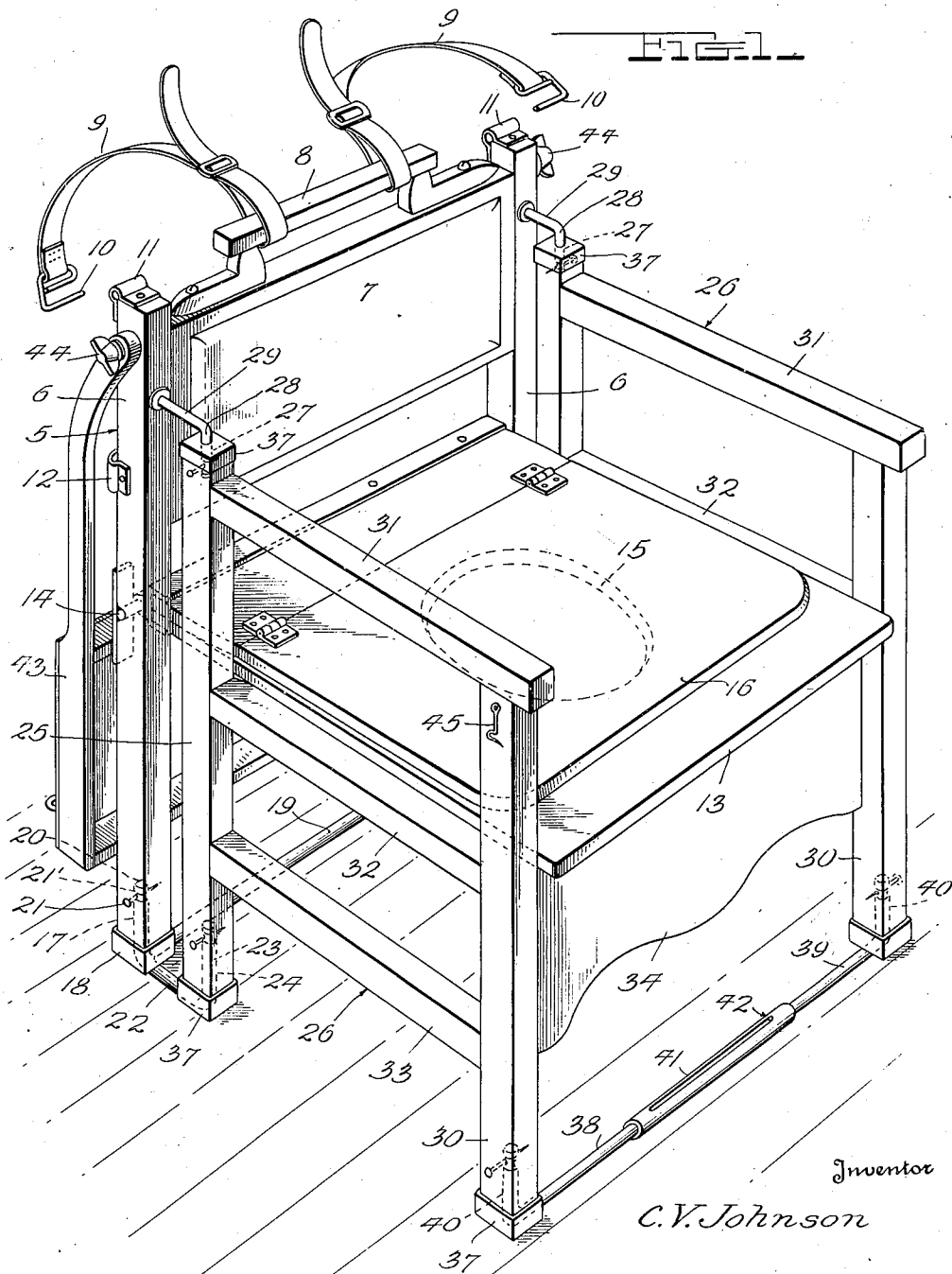
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C. V. JOHNSON
CHILD'S FOLDABLE CHAIR

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3 Sheets-Sheet 1



Inventor

C.V. Johnson

By
H.B. Wilson & Co.

Attorney

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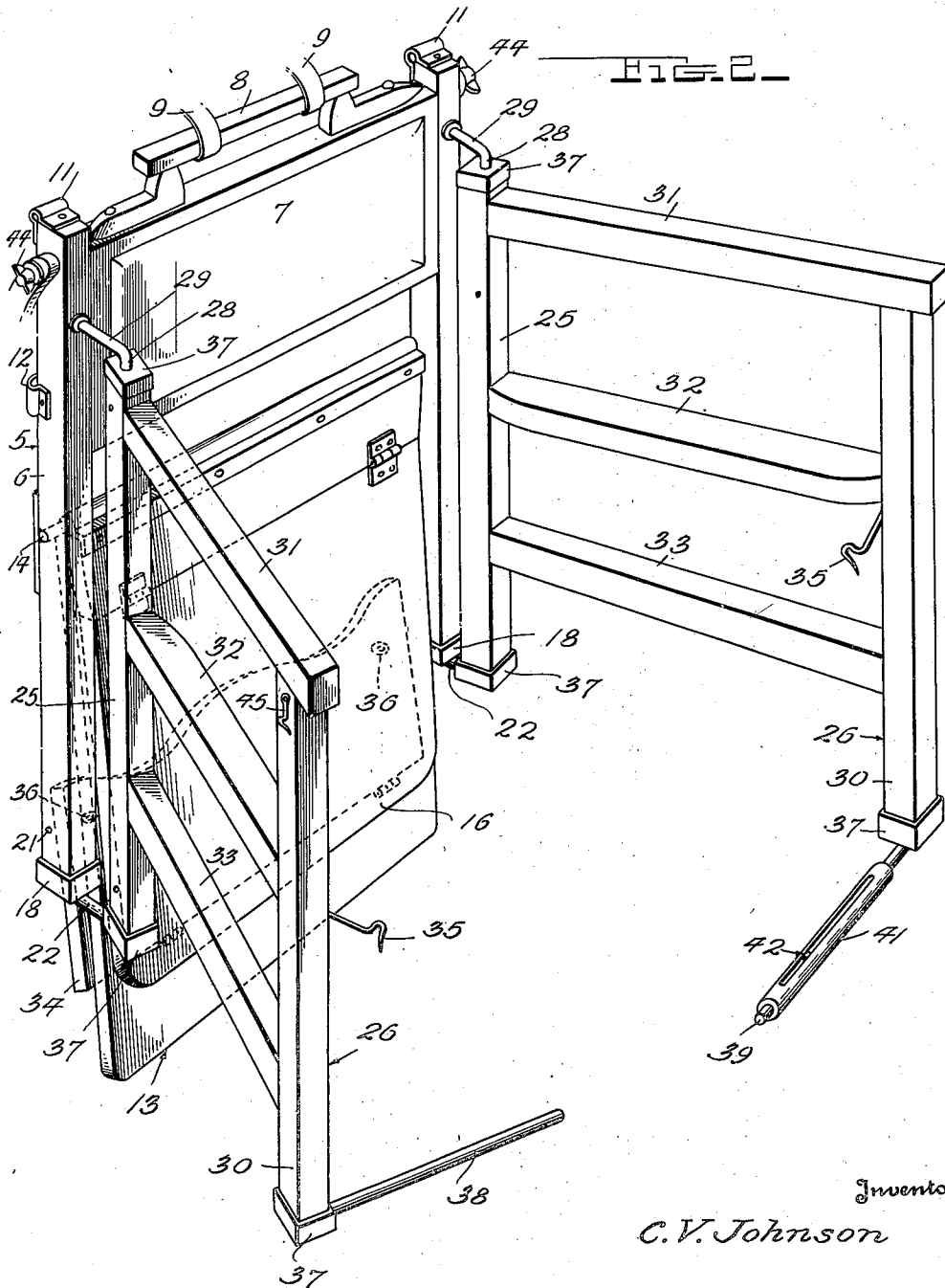
C. V. JOHNSON

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Inventor

C. V. Johnson

By *H. B. Wilson* & Co. Attorney

March 15, 1949.

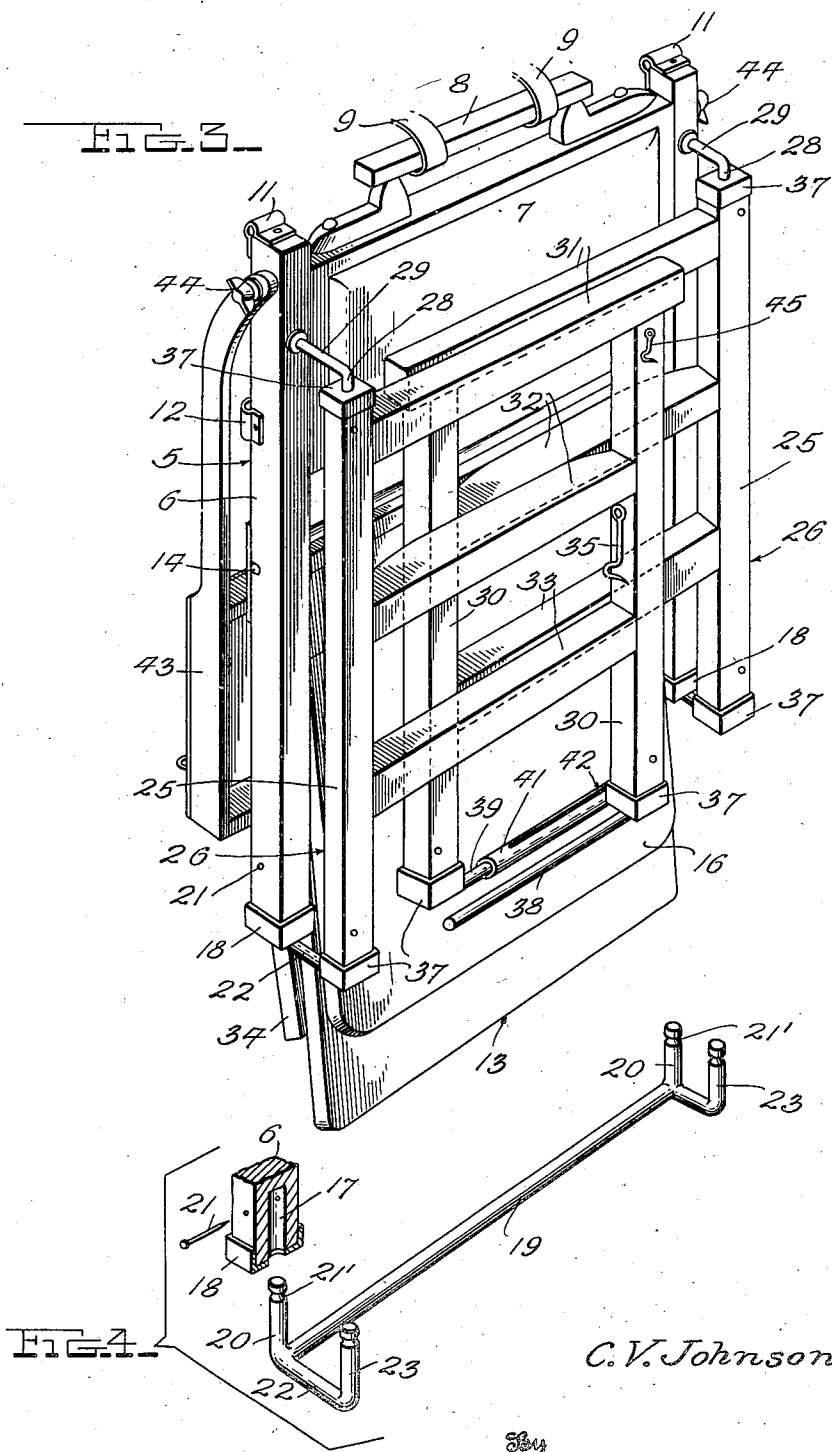
C. V. JOHNSON

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CHILD'S FOLDABLE CHAIR

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3 Sheets-Sheet 3



Inventor

C. V. Johnson

By *A. B. Willson & Co.* Attorney

UNITED STATES PATENT OFFICE

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CHILD'S FOLDABLE CHAIR

Clarence Verne Johnson, Yates Center, Kans.

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4 Claims. (Cl. 155—140)

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The invention aims to provide a new and improved child's chair which may be used as a nursery chair, as a high chair, as an ordinary chair for the floor, or as a chair upon the seat of an automobile, the construction being such that the chair may be readily folded compactly for carrying or to occupy little room when not in use.

Figure 1 of the accompanying drawings is a perspective view showing the chair ready for use.

Fig. 2 is a perspective view showing the two side frames swung outwardly and the seat dropped.

Fig. 3 is a perspective showing the chair completely folded.

Fig. 4 is a detail perspective view showing the means for connecting the legs of the back frame and for pivotally connecting the lower ends of the side frames with said back frame.

A preferred construction has been illustrated and will be rather specifically described, with the understanding, however, that within the scope of the invention as claimed, variations may be made.

A back frame 5 is provided, having legs 6, a back rest 7 and a carrying handle 8. To this handle, straps 9 are adjustably secured, said straps having hooks 10 at their ends for reception in eyes 11 at the upper extremities of the legs 6 or in other eyes 12 spaced downwardly from said eyes 11. The straps are useable for fastening the chair of the present invention upon an ordinary adult's chair for use as a high chair, or upon an automobile seat, or for securing a child in the chair.

A seat 13 is pivotally connected at 14 with the legs 6 of the frame 5, to swing downwardly as seen in Figs. 2 and 3, when the chair is to be folded. The seat is preferably formed with an opening 15 and with a hinged cover 16 for said opening, but a seat of some other type could be readily applied upon removal of the seat herein shown. For example, a seat for a boy or a seat for a girl may be readily mounted in the chair by a dealer to suit the wishes of a customer.

The lower ends of the legs 6 are formed with downwardly open sockets 17 and said ends are preferably provided with metal caps 18. A horizontal rod 19 extends between the caps 18 and is provided with upstanding studs 20 which are secured in the sockets 17, preferably by means of nails or the like 21 driven into the legs 6 and received in grooves 21' in said studs. The ends of the rod 19 are also provided with forwardly projecting rigid arms 22 having upstanding pivot

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studs 23. These pivot studs are received in sockets 24 in the rear legs 25 of two inwardly foldable side frames 26, the studs 23 being held in the sockets 24 in the same manner that the studs 20 are held in the sockets 17. The upper end of each leg 25 is formed with a socket 27 and these two sockets receive downwardly projecting pivot studs 28 on rigid arms 29 which project forwardly from the upper portions of the back legs 6. Preferably these pivot studs 28 are secured in the sockets 27 in the same manner as the studs 20 are secured in the sockets 17.

Each side frame 26, includes a front leg 30, an arm 31 connecting the upper end of this leg with the leg 25, a seat-supporting bar 32 connecting both legs 30 and 25, and a rung or the like 33 also connecting said legs. The seat-supporting bars 32 are sufficiently wide to project inwardly beyond the legs 25 and 30 to support the seat 13, as seen in Fig. 1. However, when the side frames 26 are swung outwardly as seen in Fig. 2, the seat may downwardly fold and lie against the rod 19, as will be clear from this view. An apron 34 is pivotally hung from the front portion of the seat 13 to normally extend between the front legs 30 of the side frames 26, and hooks 35 are provided on the legs 30 to engage eyes 36 on said apron (Fig. 2), said hooks and eyes serving to normally hold the side frames 26 against outward swinging. However, after these side frames have been outwardly swung sufficiently to allow downward folding of the seat 13, said side frames 26 may be swung inwardly into overlapped relation with each other as seen in Fig. 3. The ends of the legs 25 of these side frames and the lower ends of the legs 30, are preferably provided with metal caps 37 identical with the caps 18 above described.

Two horizontal rods 38 and 39 are pivoted at 40, on vertical axes, to the lower ends of the legs 30. These rods 38 and 39 normally extend toward each other as seen in Fig. 1 and are held in alinement by means of a sleeve 41 slidable on the rod 39 and having a pin and slot connection 42 with this rod. When the rods are connected by the sleeve 41, the entire chair may be placed upon an ordinary adult's chair or upon an automobile seat, and said rods and sleeve, as well as the rear rod 19, will then rest upon the seat of the adult's chair or car, forming a stable support for the child's chair. The latter chair may be fastened to the adult's chair or to the automobile seat by means of the straps 9. Thus, the improved chair may be used as a seat for the child in an automobile (or in any other conveyance) and may be used as a high-chair, in addition to

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being useable as a nursery chair and as an ordinary chair upon the floor.

A tray 43 is shown pivotally connected by thumb screws 44 with the upper ends of the legs 6, said tray being swingable onto the arms 31 when its use is desired and being swingable to a position behind the back frame 5 when idle. Hooks 45 are shown on the upper ends of the legs 30 to fasten the tray upon the arms 31.

From the foregoing, taken in connection with the accompanying drawings, it will be seen that novel and advantageous provision has been made for carrying out the object of the invention. Whenever the chair is to be folded, the hooks 35 are released and the side frames 26 swung outwardly sufficiently to allow downward swinging of the seat 13, the apron 34 being preferably swung upwardly behind the rod 19 when said seat is swung downwardly, as seen in Fig. 2. Then, the two side frames 26 may be swung inwardly into overlapped relation with each other as seen in Fig. 3, providing a compactly folded structure. Before these side frames can be inwardly folded, it is of course necessary to disconnect the rods 38 and 39 from each other, and these rods may well occupy the positions shown in Fig. 3, in the folded structure.

An ordinary receptacle (not shown) may be connected with the lower side of the seat 13 by means of a suitable spring clip or the like forming no part of the present invention, and hence, not illustrated. A carrying bag may be provided for the entire folded chair, if desired, and said bag may have a special pocket for the receptacle and another pocket for diapers, clothing, nursing bottles and the like. Here again, as the bag forms no part of the invention, it has not been illustrated. When the chair is removed from the bag, it may be quickly and easily set up for use by properly relating the elements, connecting the hooks 35 with the eyes 36 and connecting the rods 38 and 39 by means of the sleeve 41.

I claim:

1. A child's chair comprising a back, upper and lower arms projecting rigidly forward from the upper and lower end portions of said back, said upper arms having downwardly projecting pivot studs at their front ends, said lower arms having upwardly projecting pivot studs at their front ends, two inwardly swingable side frames, said side frames having upwardly open sockets in their upper ends pivotally receiving said downwardly projecting studs, and downwardly open sockets in their lower ends pivotally receiving said upwardly projecting studs, and a foldable seat operatively associated with said side frames and said back.

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2. A child's chair comprising a back having legs, a foldable seat connected with said back, a horizontal rod connecting and secured to the lower extremities of said legs, said rod having forwardly projecting rigid arms at its ends, inwardly foldable side frames pivoted at their lower ends to the front ends of said arms, upper arms projecting rigidly forward from upper portions of said back, the upper ends of said side frames being pivoted to said upper arms, and means for holding said seat and side frames operatively positioned.

3. A child's foldable chair comprising a back having legs, the lower ends of said legs having downwardly open sockets, a foldable seat connected with said back, two side frames having rear legs formed with downwardly open sockets, a horizontal rod extending between the lower ends of said legs of said back, said rod having upstanding studs on its ends secured in said sockets of said legs of said back, said rod also having forwardly projecting rigid arms at its ends, said arms having rigid upstanding pivot studs received in said sockets of said legs of said side frames, means pivotally connecting the upper ends of these legs with said back, and releasable means for holding said side frames and back operatively positioned.

4. In a foldable child's chair having a back, and inwardly foldable side frames pivoted to said back and including front legs; two horizontal rods pivoted to said back and including front legs; two horizontal rods pivoted on vertical axes to the lower ends of said legs, said rods extending toward each other, and a sleeve surrounding the adjacent portions of said rods and holding them in alinement, said rods and sleeve being adapted to rest on an adult's chair seat or an automobile seat, said sleeve being slidable from one of said rods onto the other when the chair is to be folded.

CLARENCE VERNE JOHNSON.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
233,257	Klett	Oct. 12, 1880
1,598,468	Whall	Aug. 31, 1926

FOREIGN PATENTS

Number	Country	Date
433,129	France	Oct. 20, 1911
624,906	France	Apr. 16, 1927