A. C. SETTAN.

COLLAPSIBLE HIGH CHAIR.

APPLICATION FILED MAY 24, 1916.

1,232,985.

Patented July 10, 1917

2 SHEETS—SHEET 1.

Fig. 1.

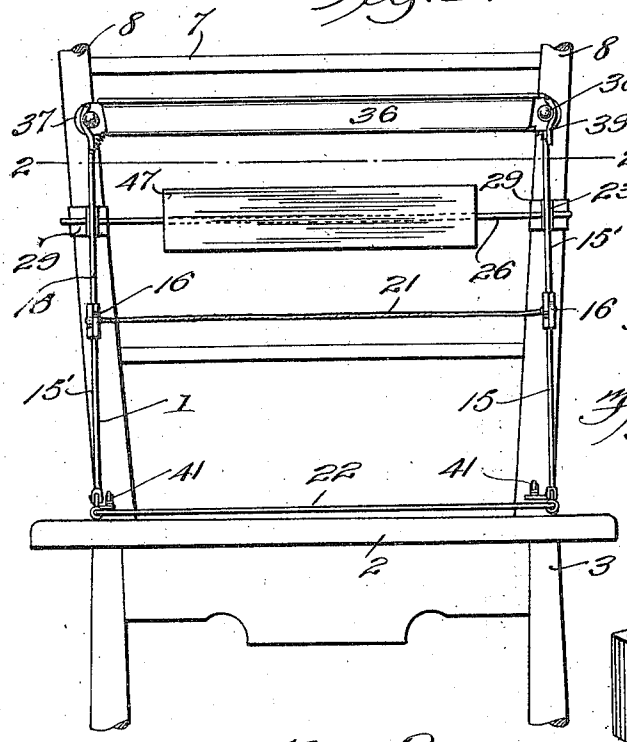


Fig. 9.

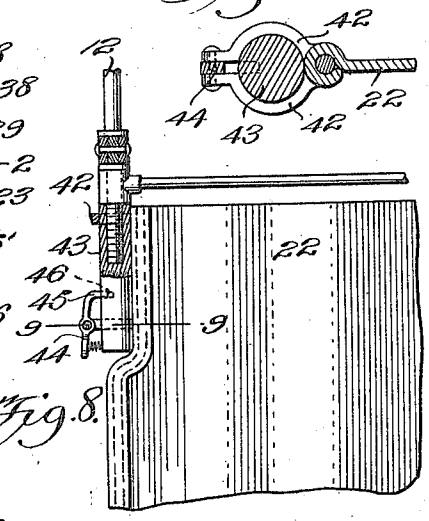


Fig. 8.

Fig. 10.

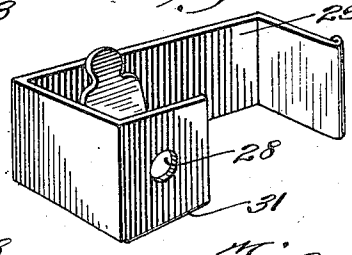


Fig. 2.

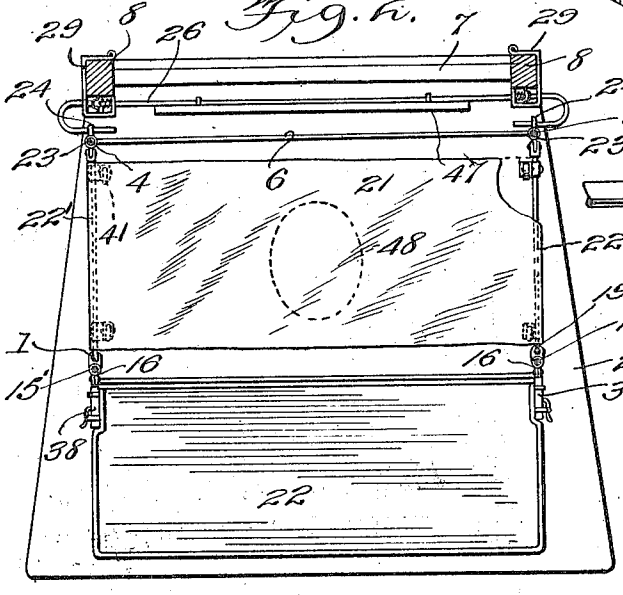


Fig. 11.

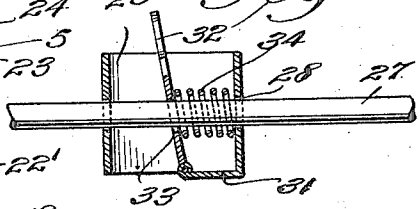
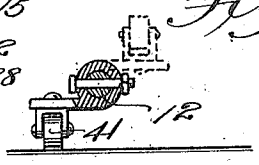


Fig. 12.



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Witnesses

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2 SHEETS—SHEET 2.

Fig. 3.

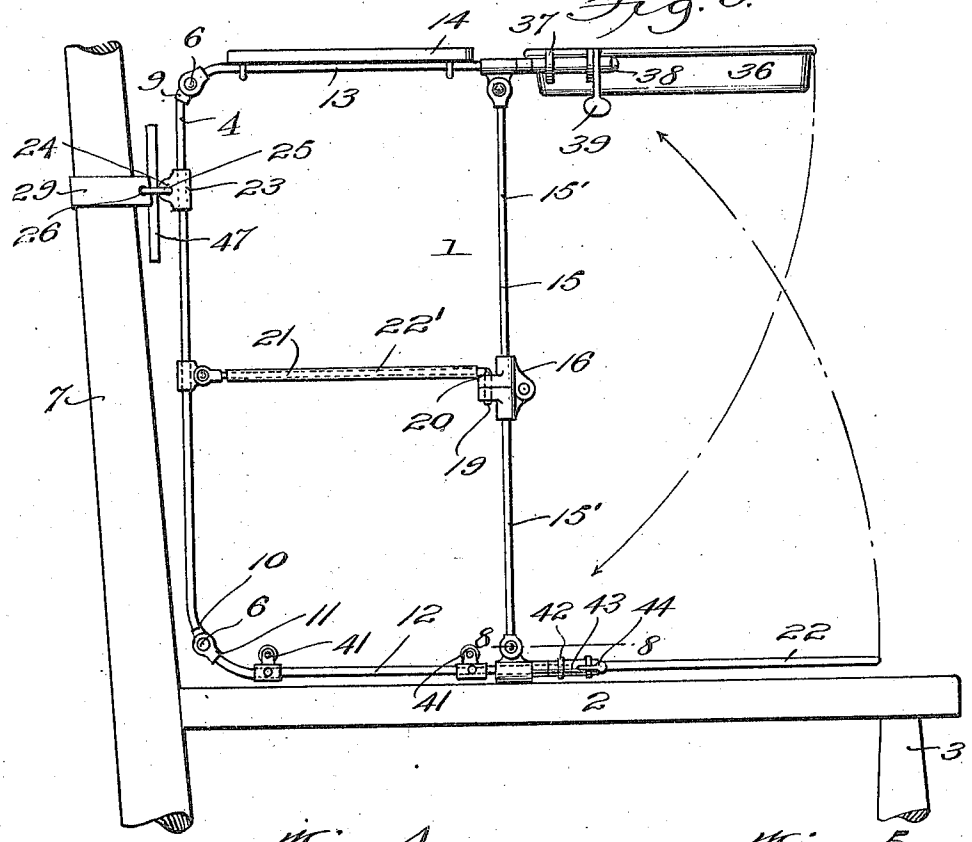


Fig. 4.

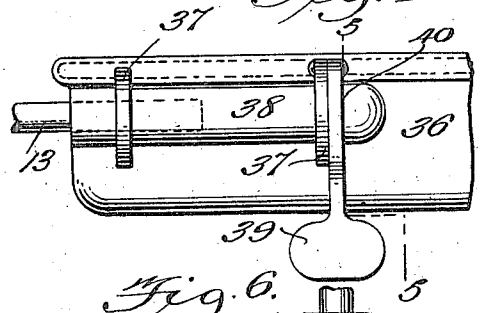


Fig. 5.

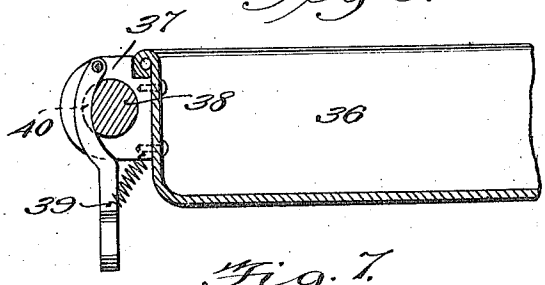


Fig. 6.

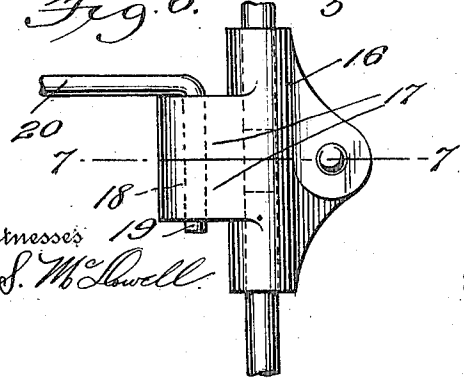
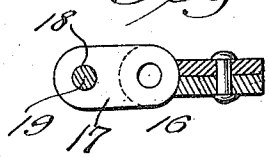


Fig. 7.



Witnesses

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UNITED STATES PATENT OFFICE.

ARTHUR C. SETTAN, OF BROOKLYN, NEW YORK.

COLLAPSIBLE HIGH CHAIR.

1,232,985. Specification of Letters Patent. Patented July 10, 1917.

Application filed May 24, 1916. Serial No. 99,589.

To all whom it may concern:

Be it known that I, ARTHUR C. SETTAN, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Collapsible High Chairs, of which the following is a specification.

This invention relates to a receptacle for supporting children and a primary object thereof is to provide a structure for association with any standard form of chair so that the latter will be capable of being employed as a child's high chair.

Another object of the invention is to provide a device of the above character with a plurality of foldable sections which are formed with means for locking the device in an assembled or set up position upon a chair, and for folding the device into a compactly arranged, collapsed position when the latter is not being used.

A further object resides in a portable child's chair or receptacle consisting of a steel wire frame structure designed for cooperation with a chair or any other similar base, the chair being of such formation that a child may be safely seated or positioned therein, and, while permitted considerable freedom of movement, is effectively prevented from falling out of the chair while seated therein without requiring the services of an attendant.

A still further object of the invention is the provision of a collapsible high-chair having a fabric supporting seat which may be readily removed from the chair in the event of the seat becoming soiled or worn, so that a sanitary condition of the chair may be readily maintained.

Among other features, the invention comprehends a chair of the above character which will serve for the following and other purposes; (1) as an ordinary high chair when placed upon a standard form of chair; (2) as a child's chair when placed upon a floor or when used independently of a standard chair; (3) as a stool chair when modified form of seat is used therein; and (4) as a form of a walker chair when the foot plate thereof is removed and when the casters of the device are put in operation.

In the drawings, wherein is illustrated the preferred form of the invention,

Figure 1 is a front elevation of the invention illustrating the same applied to a standard form of chair,

Fig. 2 is a horizontal sectional view taken on the line 2—2 of Fig. 1,

Fig. 3 is a side elevation of the invention,

Fig. 4 is a detailed side elevation of the removable pan, illustrating the method of locking the same to the chair,

Fig. 5 is a transverse section taken on the line 5—5 of Fig. 4,

Fig. 6 is a detail view of one of the hinge brackets utilized in the portable frame,

Fig. 7 is a horizontal sectional view taken on the line 7—7 of Fig. 6,

Fig. 8 is a horizontal sectional view taken on the line 8—8 of Fig. 3,

Fig. 9 is a transverse sectional view on the line 9—9 of Fig. 8,

Fig. 10 is a perspective view of the chair embracing clamp,

Fig. 11 is a transverse sectional view taken through the chair embracing clamp, and

Fig. 12 is a detail sectional view of the caster wheel construction.

Referring more particularly to the drawings, the invention resides in the chair structure 1, which, in practice, is preferably placed upon the seat 2 of a chair 3, of any standard design. However, it should be understood at this juncture, that the invention is not limited in scope to use and conjunction with chairs or similar articles of furniture, as it may be simply positioned upon a floor and serve in the capacity of a chair by itself. In practice, a child may be positioned therein and while allowed sufficient room and freedom to amuse itself, will be kept free from harm or mischief without necessitating the services of a care-taker or attendant.

The structure 1 consists of a plurality of steel wire frames, formed to provide a rear section composed of spaced vertical rods 4 and 5, connected by horizontally extending rods 6, the rods 4 and 5 being positioned contiguously to the back rest 7 of the chair 3 and are secured to the rungs 8 in a manner to be presently disclosed. The

upper and lower terminals of the rods 4 and 5 are provided with enlarged heads 9 and 10, the heads 10 being pivotally connected with similar head members 11 secured to the free ends of a U-shaped lower section 12, the latter being positioned upon the seat 2 of said chair and comprising the base of the structure 1. Rods 13, extending parallel to the forwardly extending portions of the base section 12, are pivotally secured to the upper head members 9 of the rods 4 and 5; said rods 13 comprise the upper section of the device, and are equipped with arm rests 14, designed to enable a child to place its arms thereon without being injured by the metallic rods 13.

Extending parallel with the rods 4 and 5, and connecting the lower section 12 with the upper section 13 is a front section 15 consisting of pivotally connected rods 15', the latter being provided with pivoted joints 16 at their central meeting extremities, which permit the upper and lower portions of the section 15 to fold in parallel relation. In order to lock the above sections in an assembled operative position, when the rods 15 are in vertical alinement, the joints 16 are formed with integral offset ears 17 having alining openings 18 passing vertically therethrough. The ears are adapted to receive the downwardly turned extremities 19 of horizontally extending locking rods 20, the latter being disposed midway of the lower section 12, and the upper section 13 and serve to connect the rods 4 and 5 with the forwardly disposed section 15.

A fabric seat 21 is removably secured to the rods 20 by providing the same with lapped portions 22' into which the rods 20 are inserted, it will thus be apparent that if the seat 21 should become soiled or damaged, the same is capable of being readily removed from the structure 1 by disconnecting the rods 20 from the ears 17 and then by slipping the seat 21 from off the rods 20. The seat may thus be conveniently renovated and placed back into service or a new one may be substituted in place of the removed seat. A foot plate 22 is secured to the front portion of the base section 12, so that when a child is positioned upon the seat 21, the feet of the child will not contact with the seat 2 of the chair 3, thereby preventing the latter from becoming marred or scratched.

In order to secure the structure 1 to the chair 3, so that the former will not slip from its position upon said chair, the rods 4 and 5 are provided with fixed sleeves 23 formed with integrally projecting ears 24 having openings 25 located therein. A horizontally positioned retaining rod 26 is provided with inwardly bent extremities which are inserted into the openings 25 of the sleeve members 23, and said rod 26 has a rear portion 27 thereof extending through alining openings 28 formed in securing brackets 29. The brackets are formed to frictionally engage with the back rest rungs 8 of the chair 3 and are provided with integral lower ledges 31 to the extremities of which are hinged spring pressed locking arms 32. Elongated openings 33 are formed in the arms 32 and are positioned in horizontal alinement with the openings 28 of the brackets, in order to receive the rear portion 27 of the rod 26. Coil springs 34 surround the portion 27 and are confined between fixed brackets 29 and the movable locking arms 32, so that the walls of the opening 33 are frictionally engaged with said retaining rod 26 and maintain the same in a relatively stationary position. By rocking the arms 32 to a substantially vertical position the rod 26 will be permitted to move laterally, so that the structure 1 may be disengaged from its locked relation with said rod 26 and the chair 3.

A removable tray 36 is secured to the forward extremity of the rods 13 of the upper section and serves to support a child's toys or may be employed as a meal receiving tray. The tray is provided with apertured side lugs 37 which receive enlarged sleeves 38 secured to the end of the rods 13. Spring pressed locking latches 39 are pivotally mounted upon the lugs 37 and when the tray is positioned upon said sleeves, the latches are adapted to engage with recesses 40 formed in the sleeve, thus securing the tray in an operative position upon the structure 1. By releasing the latches from engagement with said recesses, the tray may be slipped off sleeves and removed from the structure 1 to permit said tray to be cleaned or otherwise attended to.

When the invention is not in service, the various sections thereof may be folded into compact relation so that the device will require but a minimum of storage space.

From the foregoing description it is thought that the advantageous features of the present invention will be clearly perceptible, as the device is of comparatively simple design, of few parts and not likely to become broken or out of order. It will be apparent that by use of the device any ordinary form of chair may be readily converted into a high chair without in any way altering the construction or appearance of the former, and that the device can be secured to the chair quickly and conveniently by an unskilled person, and does not require the services of bolts or clamping nuts to secure it to a chair or other article of furniture. When a device is not used upon a chair casters 41 may be secured to the lower section 12, so that the structure will be

capable of being wheeled about a room or the like.

The foot plate 22 is removable from the frame or base section 12 and, as stated before, when applied to the frame it is utilized to prevent the feet of a child from marring or scratching the chair when the chair structure is employed upon said chair. However, when the device is used independently of the chair 3 the caster wheels are thrown into operation and the plate 22 is removed from the frame, this construction permitting the child within the chair to propel the latter over a floor or other base in substantially the same manner as a "baby walker." As shown, the plate 22 is provided with curved arms 42 which pass over the locking extension 43 secured to the base section 12. A spring pressed latch 44 is carried by the arms 42 and is provided with an inturned extremity 45 normally engaging with an opening 46 formed in the locking extension 43. Thus it will be seen that the plate 22 is capable of being rigidly secured to the chair structure 1 in a simple and convenient manner and may be also readily removed therefrom in the event of the chair structure being used as a child's chair.

The retaining rod 26 may be provided with a back rest 47 in order that a child may be comfortably seated within the chair structure, as will be clearly understood. Furthermore, the fabric seat 21 may be provided with a central opening 48, as disclosed in Fig. 2, in order that the invention may serve in the capacity of a child's stool chair.

In view of the foregoing it is thought that the construction and operation of the present invention will be clearly understood, and therefore, a more extended explanation has been accordingly omitted.

Having described my invention, I claim;—

1. A chair or receptacle of the class described, consisting of a foldable and portable frame structure, including pivotally connected upper, lower, rear and front sections, means for locking said sections in an assembled or operative position, locking rods pivotally connected with the rear section and coöperating with the front section, and a removable fabric seat connected with said locking rods.

2. A chair for children comprising a foldable frame structure, said structure consisting of pivotally connected upper, lower, rear and front sections, means for locking the said sections in an assembled or operative position, a removable flexible seat connected with said sections, and brackets detachably secured to said structure for retaining the latter in a relatively fixed position.

3. A chair for children comprising a foldable frame structure, said structure consisting of pivotally connected upper, lower, rear and front sections, means for locking the said sections in an assembled or operative position, a removable flexible seat connected with said sections, brackets detachably secured to said structure for retaining the latter in a relatively fixed position, and a retaining rod connected with a structure and coöperating with openings formed in attaching brackets, utilized to secure said structure to an article of furniture.

4. A chair or receptacle of the class described, consisting of a foldable and portable frame structure, including pivotally connected upper, lower, rear and front sections, means for locking said sections in an assembled or operative position, locking rods pivotally connected with the rear section cooperating with the front section, a removable seat connected with said locking rods, attaching brackets, a retaining rod connected with the structure and coöperating with openings formed in said brackets to secure said structure to an article of furniture, and spring pressed arms pivoted upon said brackets and normally holding the said retaining rod in a stationary position.

5. A chair for children comprising a foldable and portable frame structure, said structure consisting of pivotally connected upper, lower, front and rear sections, means for locking the said sections in an assembled or active position, locking rods pivotally connected with the structure and cooperating with the front portion thereof to retain said structure in an assembled position, a removable seat connected with said locking rods, and brackets detachably secured to said structure for retaining the latter in a relatively fixed position.

6. A chair or the like of the character described, consisting of a portable frame, including a rear section, upper and lower forwardly extending sections pivotally connected with the extremities of the rear sections, a front section including pivotally connected parts, connecting said upper and lower sections, apertured lugs carried by the adjacent extremities of said pivoted members of the front section, and locking rods pivotally connected with the rear section and having their forward extremities received within the apertures of said lugs for holding said sections of the frame in operative relation.

7. In a chair of the character described including a portable frame, said frame consisting of pivotally connected upper, lower, front, and rear sections, means for locking said sections in operative relation, a back rest supported by the rear section, and a foot rest removably associated with said lower section and normally lying in a plane therewith.

8. In a chair of the character described

comprising a portable frame, said frame consisting of pivotally connected upper, lower, front and rear sections, locking bars pivotally connected with the rear section and coöperating with the front section for holding said frame rigid, a back rest supported by the rear section, a removable fabric connected with said locking bars, a foot rest associated with the lower section, and means for removably connecting said foot rest with said lower section.

In testimony whereof I affix my signature in presence of two witnesses.

ARTHUR C. SETTAN

Witnesses:
MARIE BUDERUS,
EMMA E. MÜLLER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."