No. 618,067. Patented Jan. 24, 1899.

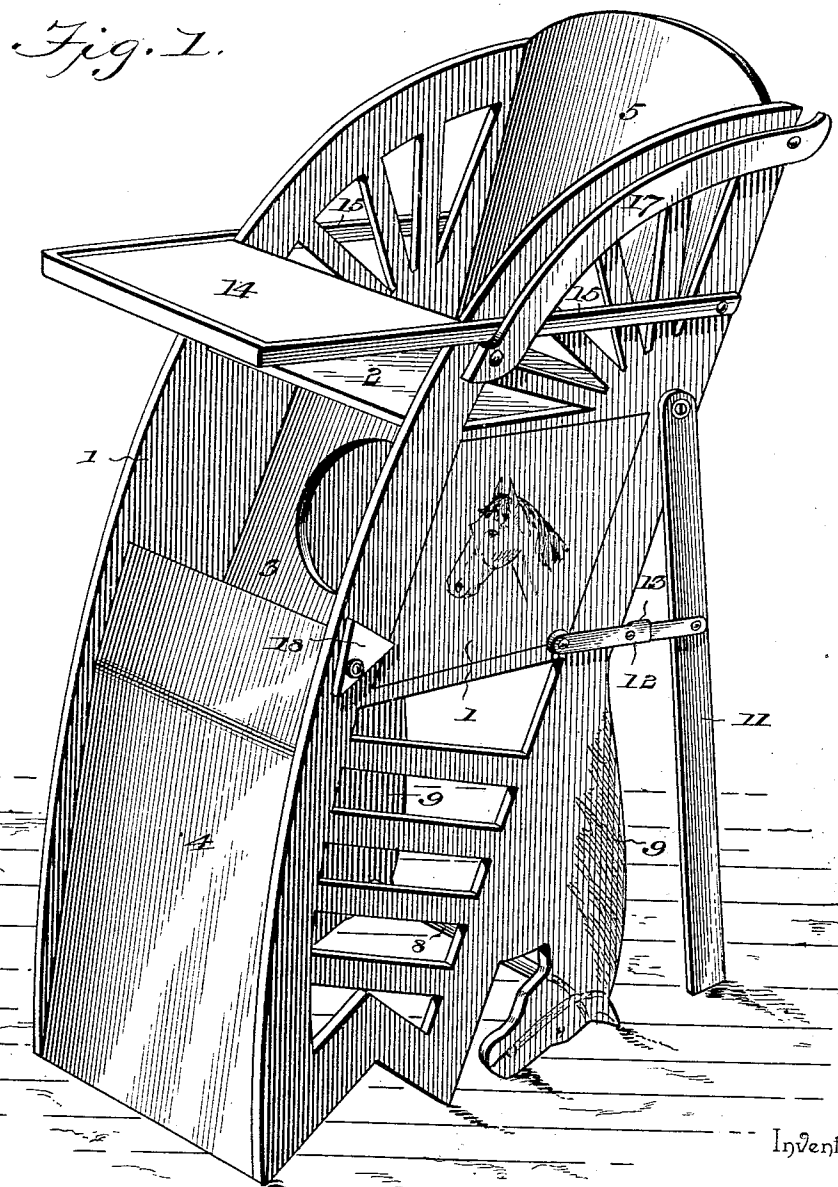
J. W. DIGGS & A. ROETTGER.

CONVERTIBLE CHAIR.

(Application filed Dec. 30, 1897.)

(No Model.) 2 Sheets—Sheet 1.

Fig. 1.



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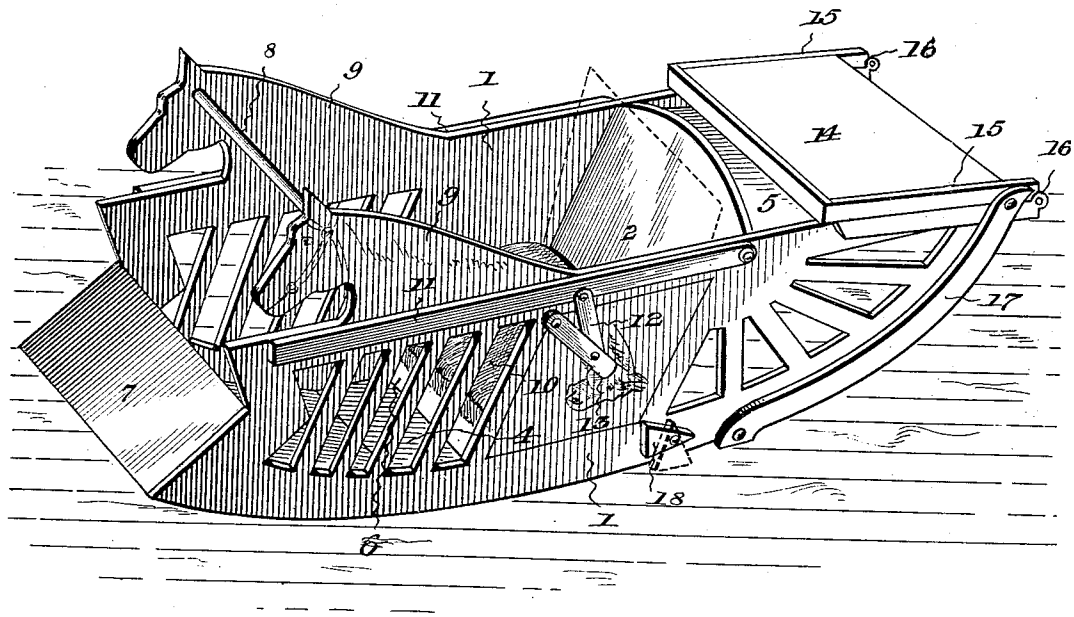


Fig. 2.

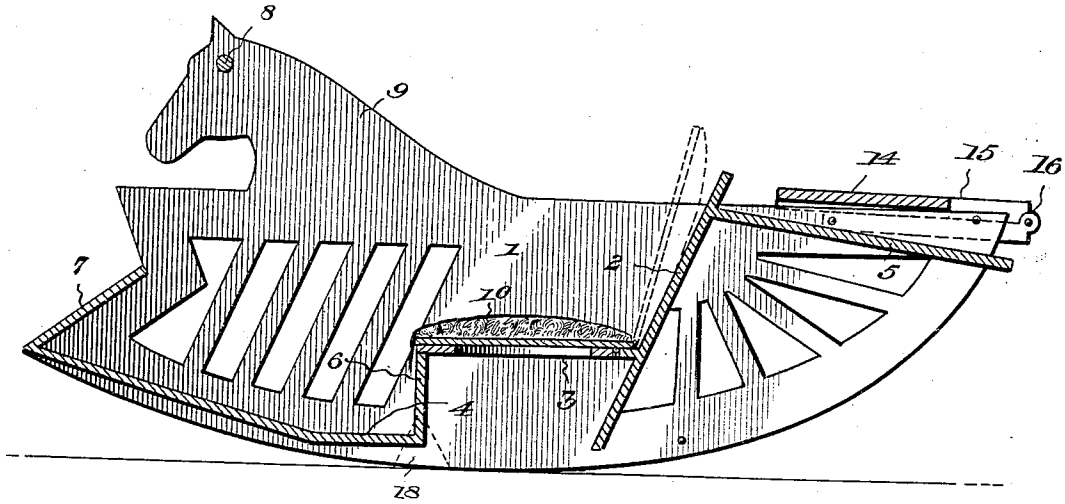


Fig. 3.

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UNITED STATES PATENT OFFICE.

JAMES WESTLEY DIGGS AND AUGUST ROETTGER, OF ST. LOUIS, MISSOURI.

CONVERTIBLE CHAIR.

SPECIFICATION forming part of Letters Patent No. 618,067, dated January 24, 1899.

Application filed December 30, 1897. Serial No. 664,500. (No model.)

To all whom it may concern:

Be it known that we, JAMES WESTLEY DIGGS and AUGUST ROETTGER, citizens of the United States, residing at St. Louis, State of Missouri, have invented a new and useful Convertible Chair, of which the following is a specification.

Our invention relates to convertible chairs, and has for its object to provide a construction adapted for use as a high or nursery chair and as a hobby-horse, the parts being compactly arranged and embodying the minimum number of movable parts, neither of which is detachable.

Further objects and advantages of this invention will appear in the following description, and the novel features thereof will be particularly pointed out in the appended claims.

In the drawings, Figure 1 is a perspective view of the convertible chair embodying our invention arranged as a high chair. Fig. 2 is a similar view showing the device arranged as a hobby-horse and indicating in dotted lines the arrangement of parts when the device is used as a nursery-chair. Fig. 3 is a longitudinal section of the same.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

The framework of the device embodying our invention comprises, essentially, the side frames 1, shaped at one edge to form rockers adapted to be arranged upon a horizontal supporting-surface when the device is used as a hobby-horse, (see Fig. 2,) and seat-boards 2 and 3, connecting said side frames transversely and adapted to perform the functions of seats, respectively, when the frame is in its upright position (shown in Fig. 1) and in its horizontal or reclining position. (Shown in Fig. 2.) The side frames are also connected contiguous to their runner edges by a foot-rest 4, extending from one edge of the seat 3 to the contiguous extremities of the frames, and contiguous to their opposite or straight edges by a back 5, extending from the rear edge of the seat 2 to the opposite ends of the frames, said seats being arranged contiguous to the centers of the side frames, and the seat 2 being adapted to serve as a back for the seat 3 when the frames are in their horizontal or reclining position.

Extending forwardly or downwardly, according to the position of the framework, from the front edge of the seat 3 to the plane of the foot-rest 4, is a second foot-rest 6, adapted to serve as such when the framework is in its upright position, (shown in Fig. 1,) and connecting the extremities of the side frames is a guard 7, serving to brace the side frames at their front extremities and also to prevent the occupant of the chair, when the latter is in its horizontal or reclining position, from leaving the chair beneath a transverse hand-hold or grip-bar 8, which connects ornamental brackets 9, carried by the side frames and preferably constructed to represent horse-heads.

The nursery-chair seat 3, which is of the ordinary construction, is preferably hinged to the framework, and arranged to coöperate therewith is a hinged cushion 10, adapted to be folded back into contact with the nursery-seat back or high-chair seat 2 when not in use.

The nursery-chair foot-rest 4 closes the space between the side frames, as above described, between the high-chair foot-rest 6 and the front or lower ends of the side frames, and hence forms the lower portion of the front of the chair when the latter is arranged in its upright position, and the high-chair seat 2 preferably terminates at a distance from the rocker edges of the side frames corresponding with the high-chair foot-rest 6 to form between said high-chair seat and foot-rest and the bounding side frames a receptacle, which is open when the chair is in its upright position to enable the feet of the occupant of the high-chair seat to reach the foot-rest 6, but which is closed when the device is in its horizontal or reclining position (indicated in Figs. 2 and 3) by the surface of the support upon which the chair rests, said receptacle, however, being accessible by reason of the hinged nursery-chair seat.

In order to support the framework in its upright or high-chair position, we preferably employ folding legs or supports 11, pivotally mounted upon the side frames and connected therewith by folding braces 12 of toggle construction, the members of each brace being held in alinement or operative relation when

extended by means of stops 13 on one of the members engaging the edge of the other member.

In connection with the above-described construction we also employ a table or rest 14, having side arms 15 of folding construction, the same being provided at intermediate points with stop-hinges 16 and being terminally pivoted to the side frames, said arms operating in guides 17, having terminal stops to limit the swinging movement of the table or rest arms. When not in use, the table or rest is adapted to be folded parallel with and contiguous to the high-chair back 5, and when in use it is held extended in an approximately horizontal position in front of and above the high-chair seat to prevent the occupant of said seat from falling forwardly and also to form a rest for supporting dishes or toys. The legs or supports 11 are adapted to fold parallel with and contiguous to the straight rear or upper edges of the side frames when the device is in use as a hobby-horse or nursery-chair. In this connection we also employ means for preventing the rocking of the device when in use as a nursery-chair, said means in the construction illustrated consisting of stop-blocks 18, pivotally mounted upon the side frames contiguous to their rocker edges and respectively in front and in rear of the centers thereof. When these stop-blocks are arranged in their operative positions, (indicated in dotted lines in Figs. 2 and 3,) the device is held from rocking in either direction; but when not in use they may be turned to arrange them within the contour of the side frames, as indicated in full lines in the drawings.

From the above description it will be seen that the main parts of the framework perform functions in both positions of the device. For instance, the high-chair seat performs the function of a back for the nursery-chair seat, while the guard which connects the front edge of the nursery-chair seat to the plane of the nursery-chair foot-rest and closes the front side of the said receptacle performs the function of a foot-rest when the device is in its upright or high-chair position. The only adjustable parts are the legs or supports for maintaining the device in its upright position and the folding table or rest, which may or may not be used, as preferred, when the chair is in its upright position. Neither of the described adjustable parts is detachable, and yet when not in use said parts are folded into compact form, so as to be out of the way of the occupant of the chair.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having described our invention, what we claim is—

1. In a convertible chair, the combination of a high-chair seat, side frames for supporting the same as a high chair, and an auxiliary or nursery-chair seat located below and approximately perpendicular to the high-chair seat, at an intermediate point thereof, whereby when the auxiliary or nursery-chair seat is in its operative position, the high-chair seat serves as a back therefor, substantially as specified.

2. In a convertible chair, the combination of a high chair seat, side frames for supporting the same as a high chair and having rounded front edges to serve as rockers when said side frames are disposed horizontally, and an auxiliary or nursery-chair seat located below the high-chair seat, and approximately perpendicular thereto, and at an intermediate point of the high-chair seat, whereby the high-chair seat forms a back for the nursery-chair seat when the side frames are supported upon their rocker edges, substantially as specified.

3. A convertible chair having side frames constructed at one edge to form rockers, high and nursery chair seats connecting said frames at an intermediate point, a seat-back and a foot-rest extending respectively from said seats to the opposite ends of the frames and arranged contiguous, respectively, to the opposite edges thereof, a grip-bar connecting said frames above said foot-rest, and a guard connecting the ends of the frames contiguous to the outer edge of the foot-rest, substantially as specified.

4. A convertible chair having side frames constructed at one edge to form rockers connected at an intermediate point by contiguous high-chair and nursery-chair seats disposed in angular relation to each other, the nursery-chair seat being arranged at a point between the planes of the opposite edges of the side frames, and the high-chair seat extending beyond the plane of the nursery-chair seat to a point contiguous to the rocker edges of the side frames, and a high-chair foot-rest extending from said nursery-chair seat approximately to the rocker edges of the side frames to complete a receptacle between the plane of the nursery-chair seat and the rocker edges of the side frames, substantially as specified.

5. A convertible chair having side frames connected at intermediate points by high-chair and nursery-chair seats disposed in angular relation, a seat-back and a foot-rest arranged in operative relation, respectively, with said seats, and adjustable legs or supports mounted upon the side frames and adapted to be extended when the device is in an upright position, substantially as specified.

6. A convertible chair having side frames connected at an intermediate point by high-chair and nursery-chair seats disposed in angular relation, a seat-back and a foot-rest arranged in operative relation, respectively, with said seats, adjustable legs or supports pivotally mounted upon the side frames for extension when the device is in an upright po-

sition, and folding braces connecting intermediate points of the legs or supports with the side frames, and each having members connected by stop-hinges, substantially as specified.

7. A convertible chair having side frames constructed at one edge to form rockers and connected at an intermediate point by high-chair and nursery-chair seats disposed in angular relation, a seat-back and a foot-rest arranged in operative relation, respectively, with said seats, a table or rest having arms pivotally mounted upon the side frames, said arms being of sectional construction with their members connected by stop-hinges, and guides for the arms of the table or rest, carried by the side frames and provided with terminal stops to limit the movements of said arms, substantially as specified.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in the presence of two witnesses.

JAMES WESTLEY DIGGS.
AUGUST ROETTGER.

Witnesses:
WILLIAM PETTKER,
ALFRED E. SMITH.