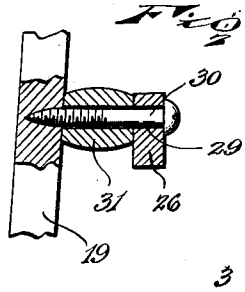
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HIGH CHAIR

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Fig. 3.



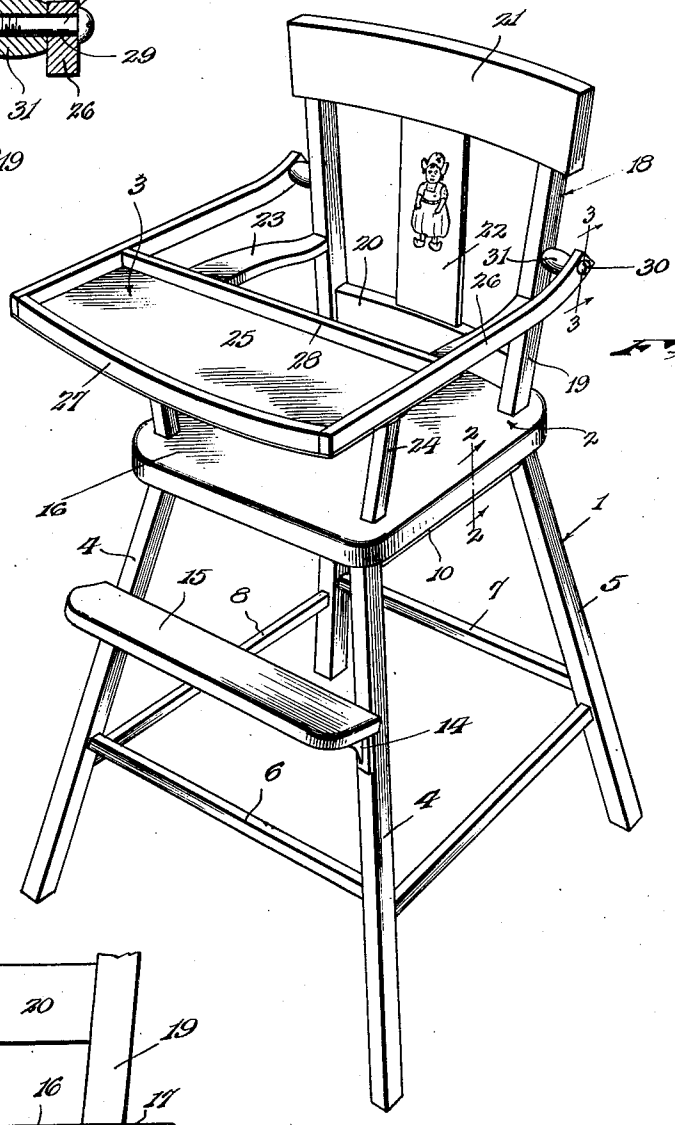


Fig. 1.

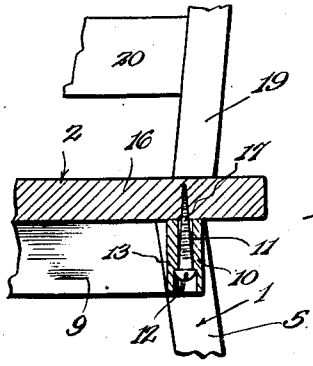


Fig. 2.

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Fig. 4.

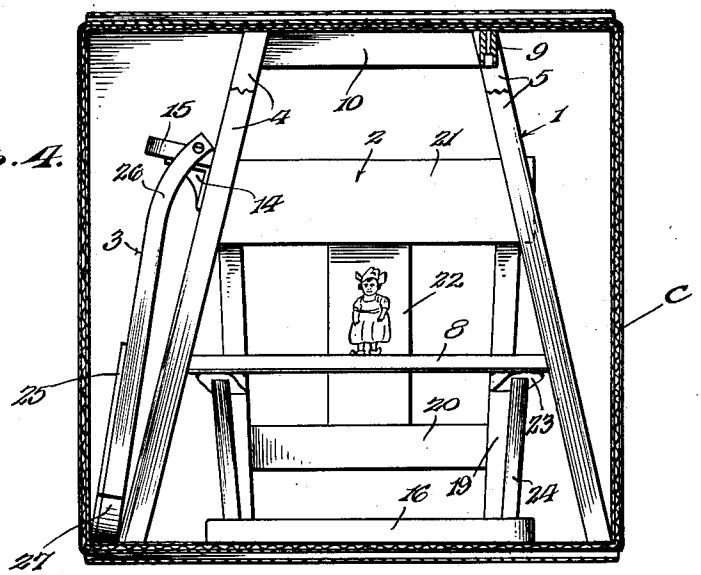
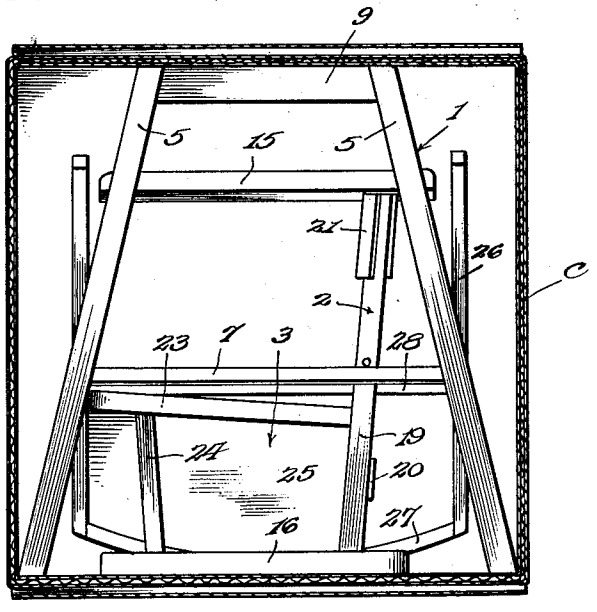


Fig. 5.



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Patented Feb. 2, 1926. 1,571,846

UNITED STATES PATENT OFFICE.

WILLIAM C. LEHMAN, OF CANNELTON, INDIANA.

HIGH CHAIR.

Application filed December 19, 1924. Serial No. 756,994.

To all whom it may concern:

Be it known that I, WILLIAM C. LEHMAN, a citizen of the United States, residing at Cannelton, in the county of Perry and State of Indiana, have invented certain new and useful Improvements in High Chairs, of which the following is a specification.

This invention relates to improvements in high chairs. The ordinary high chair, when packed for shipment, occupies considerable space and the freight classification under which they are shipped is, therefore, comparatively high. It is, therefore, one of the important objects of the present invention to provide a high chair comprising a number of units which may be very compactly arranged and the chair shipped, in a semi-knocked-down condition in corrugated paper cartons occupying much less space than would be occupied by the chair if shipped in set up condition. In this connection, the invention has as a further object, to so construct the several units that they may be readily assembled by anyone and secured together in a few moments' time.

Another important object of the invention is to provide a high chair comprising a number of units, as stated above, which units, when assembled, will produce a very substantial and durable chair, the construction being such that there will be no visible evidence of the knock-down nature of the structure.

In the accompanying drawings:

Figure 1 is a perspective view of the high chair embodying the invention.

Figure 2 is a detail vertical sectional view taken on the line 2—2 of Figure 1, looking in the direction indicated by the arrows.

Figure 3 is a similar view on the line 3—3 of Figure 1, looking in the direction indicated by the arrows.

Figure 4 is a view partly in elevation and partly in section, illustrating the manner in which the component units of the chair are arranged within the shipping carton.

Figure 5 is a similar view from another angle.

The chair embodying the invention comprises a support unit indicated in general by the numeral 1, a seat unit indicated in general by the numeral 2, and a tray unit indicated in general by the numeral 3. The support unit comprises a pair of front legs 4 and a pair of rear legs 5, and the legs 4 are connected between their upper and lower ends by a transverse round indicated by the numeral 6, the rear legs being similarly connected by a round 7. Rounds 8 extend between and connect respective ones of the front and rear legs, and the legs 4 are preferably disposed in position inclining upwardly toward each other as are also the rear legs, the front and rear legs, furthermore, occupying planes converging upwardly. A cleat 9 extends between the upper ends of the rear legs 5 and has its upper edge flush with the upper ends of the said legs, as clearly shown in Figures 2, 4 and 5 of the drawings. Cleats 10 are secured to and extend between the upper ends of the legs 4 and 5 at each side of the support unit and also have their upper edges flush with the upper ends of the said legs. For a purpose to be presently explained, the cleats 9 and 10 are formed each with a plurality of openings 11 which extend vertically in the cleats and which are enlarged at their lower ends, as at 12, thereby providing a shoulder 13 near the lower end of each opening and within the same. Brackets 14 are secured upon the forward sides of the legs 4 between the upper ends of the legs and the round 6, and a foot rest or step 15 is secured to and supported upon the said brackets and extends transversely between the legs in advance of the same.

The seat unit 2 comprises a seat bottom 16 which is disposed to rest at its under side upon the upper ends of the legs 4 and 5 and upper edges of the cleats 9 and 10, and screws 17 are fitted through the openings 11 and are threaded into the said seat bottom 16, the heads of the screws bearing against the shoulders 13 in said openings and being concealed in the enlarged lower ends of said openings. The seat unit 2 further comprises a back indicated in general by the numeral 18 and including uprights 19, a lower cross piece 20, and a curved upper cross piece or back rest 21, and a panel 22 is preferably arranged between the upright members 19 and extends between the upper edge of the cross piece 20 and the lower edge of the back rest 21 and constitutes, likewise, a back rest and which may be ornamented, as for example, by a picture or some fanciful design painted or otherwise represented upon its face, it being understood that the chair as an entirety may be finished in any

suitable enamel or other wood finish and in any desired color.

The seat unit further comprises arm rests 23 which are secured at their rear ends to the upright members 19 and are supported at their forward ends by short uprights 24, the upper ends of which are secured to the under sides of the forward ends of the arm rests and the lower ends of which are secured to the bottom 16.

The tray unit 3 comprises a tray bottom 25 preferably in the nature of a relatively thin board which is secured at its ends to the under sides of arms 26 and at its forward edge to the under side of a preferably longitudinally curved front piece 27 which extends transversely between the forward ends of the said arms 26. The tray bottom 25 is secured at its rear edge to the under side of a cross piece 28 which extends between the arms 26 in rear of the cross piece 27, and the said cross pieces 27 and 28 and said arms 26 constitute walls surrounding the tray bottom. The arms 26 at their rear ends are preferably curved upwardly as shown in Figure 1 and 4 of the drawings, and each arm is formed near its rear end with an opening 29 for the passage of the shank of a screw 30 which screw is likewise fitted through a spacer 31 and threaded into the respective uprights 19 of the back of the seat unit. The spacers 31 are preferably of wood and of oval shape and have blunt ends, and one end of each spacer engages against the outer side of the respective upright 19 and the other end against the inner side of the rear end of the respective arm 26, the screws 30 constituting pivots about which the arms may swing so that the tray unit as a whole may be swung upwardly and rearwardly when not in use and when a child is being placed in the chair, and swung downwardly and forwardly when the child has been seated, in which latter position, the bottom board 25 of the tray will rest at its ends upon the upper sides of the arm rests 23. It will be observed that the spacers 31 serve to so space the arms 26 from the opposite sides of the back of the seat unit that the arms will clear the members comprising the back when the tray is swung from one position to another.

From the foregoing description of the invention, it will be seen that the screws 17 serve to secure the support unit and seat unit together, and it will be understood that by removing these screws, these two units may be separated. It will also be understood that the screws 30 constitute not only pivots for the arms 26 of the tray unit, but they serve also as means for separably connecting the tray unit with the back of the seat unit. Thus, by removing all of the screws 17 and 30, the several units of the chair may be separated.

In practice, the separated units 1, 2 and 3, are packed within a heavy paper carton, indicated in the drawings by the reference letter C, and in arranging the units within this carton, the seat unit 2 is disposed within the carton with the under side of the seat board 16 resting upon the bottom of the carton and the support unit 1 is then disposed in upright position within the carton with the lower ends of the legs 4 and 5 resting upon the bottom of the carton and with the seat unit disposed within the rectangle defined by the rounds 6, 7 and 8, the legs 4 and 5 straddling the seat unit, as shown in Figures 4 and 5 of the drawings. The tray unit 3 is then disposed within the carton with the cross piece 27 resting upon the bottom of the carton and between the lower ends of the legs 4 of the support unit 1 and the adjacent side wall of the carton, the arms 26 of the tray unit extending upwardly in front of the said legs 4 and with their upper ends located at opposite ends of the foot rest 15 of the support unit. It will be observed by reference to Figures 4 and 5 of the drawings, that the carton is of true cubical form and that when the several units are arranged therewithin in the manner stated, the upper ends of the legs 4 and 5 and the upper edges of the cleats 9 and 10 will substantially engage the under side of the top of the carton, the lower ends of the legs 5 seating in the two lower corners of the carton, as best shown in Figure 5. In this manner, shifting of the units within the carton is substantially prevented and it will be understood, of course, that such parts of the seat unit as might come into contact with parts of another unit will be wrapped with excelsior and paper or otherwise suitably protected.

Having thus described the invention, what I claim is:

1. A semi-knock-down high chair comprising a support unit including supporting legs, means connecting and relatively bracing the legs, a seat unit comprising a seat bottom and a back rest carried by and extending upwardly from the rear side of the seat bottom, and arm rests extending forwardly from the back rest, and means separably securing the seat bottom to the top of the support unit, including the arm rests thereof, the legs of the support unit, at their lower portions, being spaced apart a distance greater than the width of the seat unit whereby the said seat unit may be positioned within the support unit for shipment.

2. A semi-knock-down high chair comprising a support unit including supporting legs, means connecting and relatively bracing the legs, a seat unit comprising a seat bottom and a back rest extending upwardly from the rear side of the seat bottom, and arm rests extending forwardly from the back

rest, means separably securing the seat bottom to the top of the support unit, the legs of the support unit, at their lower portions, being spaced apart a distance greater than the width of the seat unit whereby the said seat unit may be positioned within the support unit for shipment, and a tray unit comprising a tray, arms extending rearwardly therefrom in spaced relation to each other, and means pivotally and separably connecting the rear ends of the arms with the back of the seat unit, and a foot rest upon the support unit, the arms of the tray unit being spaced apart a distance greater than the width of the said foot rest, whereby to permit of disposal of the tray unit against the legs of the support unit with the ends of the arms of the tray unit extending at the opposite ends of the said foot rest, in the knocked down condition of the units.

3. A semi-knock-down high chair comprising a support unit including supporting legs, rounds relatively bracing the lower portions of the legs, cleats extending between the upper ends of certain of the legs and having vertical openings therein for the passage of securing elements, a seat unit comprising a seat bottom disposable upon the upper ends of the said legs and cleats of the support unit and over the upper ends of the said openings in the said cleats, and securing elements fitted through the openings in the cleats and driven into the under side of the seat bottom, the seat unit further including a back rest extending upwardly from the rear side of the seat bottom, an arm rest extending forwardly from the back rest, the legs of the support unit being spaced apart at their lower portions a distance greater than the width of the seat unit including the arm rest thereof, whereby the seat unit may be positioned within the support unit for shipment.

In testimony whereof I affix my signature.

WILLIAM C. LEHMAN.