March 3, 1953 L. O. FINWALL 2,630,164

CONVERTIBLE HIGH CHAIR AND STOOL

Filed Feb. 14, 1950 2 SHEETS—SHEET 1

Fig. 1.

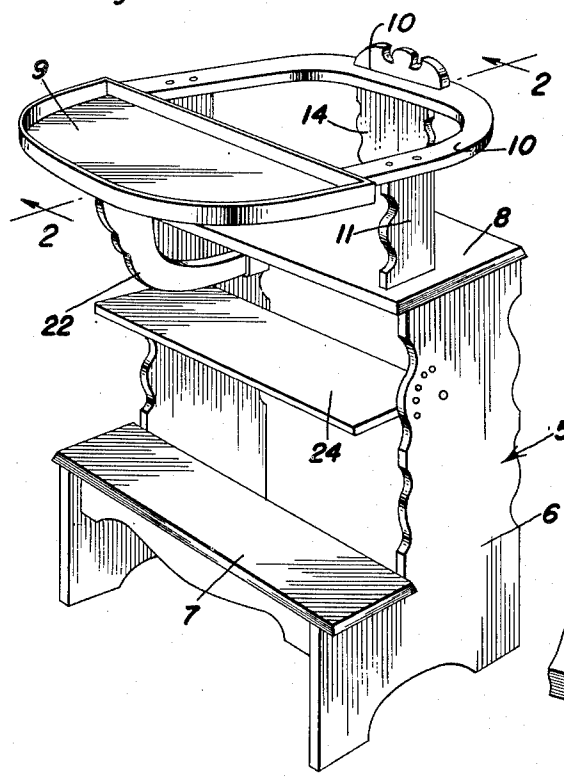


Fig. 3.

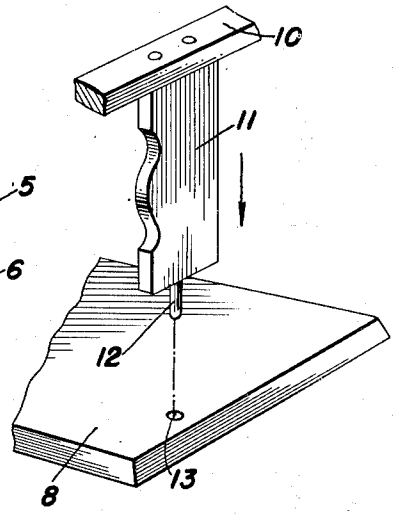


Fig. 4.

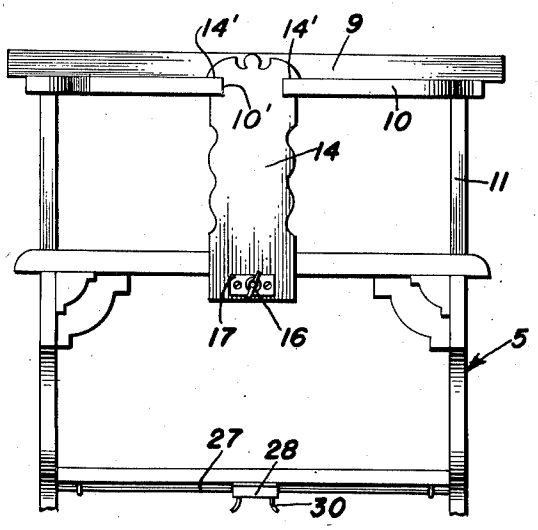
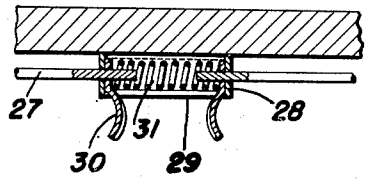


Fig. 5.



Leonard Orlando Finwall

INVENTOR.

BY Clarence A. O'Brien and Harvey B. Jacobson

Attorneys

March 3, 1953 L. O. FINWALL 2,630,164

CONVERTIBLE HIGH CHAIR AND STOOL

Filed Feb. 14, 1950 2 SHEETS--SHEET 2

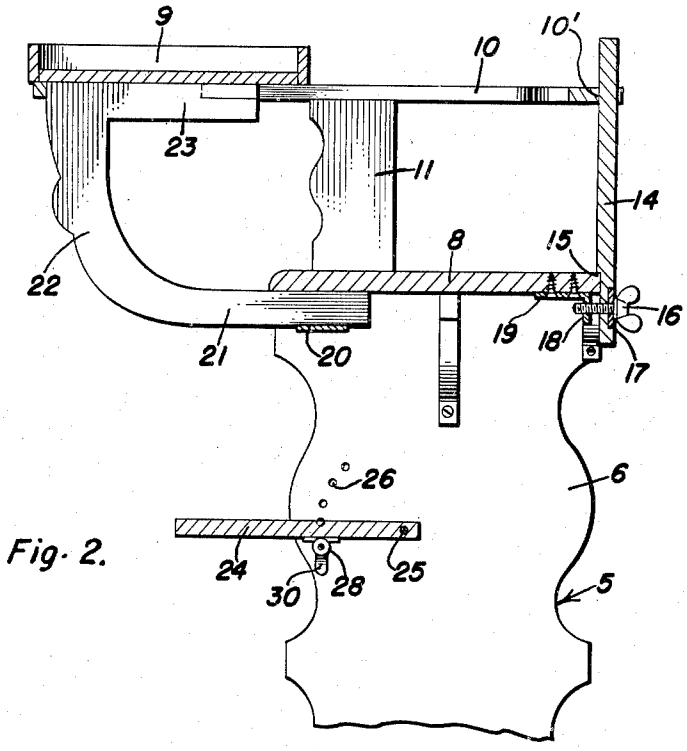


Fig. 2.

Fig. 7.

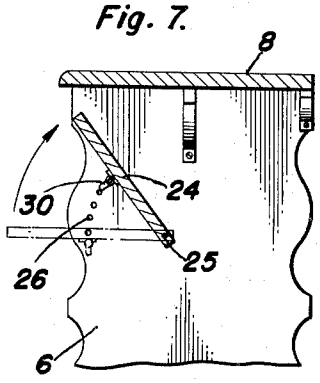
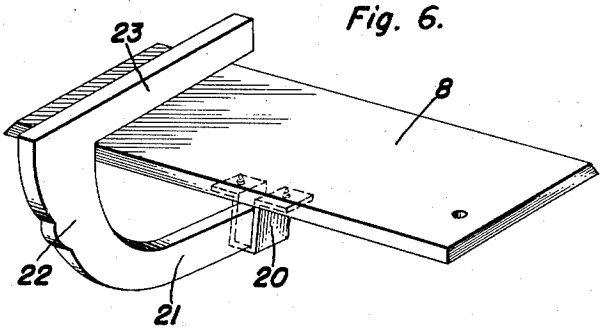


Fig. 6.



Leonard Orlendo Finwall

INVENTOR.

BY Clarence A. O'Brien and Harvey B. Jacobson

Attorneys

Patented Mar. 3, 1953 2,630,164

UNITED STATES PATENT OFFICE

2,630,164

CONVERTIBLE HIGH CHAIR AND STOOL

Leonard Orlendo Finwall, St. Paul, Minn.

Application February 14, 1950, Serial No. 144,180

2 Claims. (Cl. 155—127)

1

The present invention relates to new and useful improvements in convertible furniture and more particularly to a high-chair attachment for stools.

An important object of the invention is to provide a kitchen stool of the step-ladder type and providing means for attaching a child's feeding tray to the top of the stool to form a high-chair.

A further object of the invention is to provide novel means for easily and quickly attaching the high chair tray with arm and back rests as a unitary structure on top of the stool whereby the top of the stool forms a seat for the high-chair.

Another object of the invention is to provide a foldable foot rest carried by the stool for use with the high chair.

A still further object is to provide a device of this character of simple and practical construction, which is strong and durable, neat and attractive in appearance, relatively inexpensive to manufacture and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a perspective view showing the device assembled for use as a high-chair;

Figure 2 is an enlarged fragmentary vertical sectional view taken substantially on the line 2—2 of Figure 1;

Figure 3 is a fragmentary perspective view of the attaching means for the sides of the child's feeding tray;

Figure 4 is a rear elevational view;

Figure 5 is an enlarged fragmentary sectional view of the spring-actuated locking plungers for the foot rest;

Figure 6 is a perspective of the tray support; and

Figure 7 is a fragmentary vertical sectional view of the stool with the tray removed therefrom.

Referring now to the drawings in detail, wherein for the purpose of illustration I have disclosed a preferred embodiment of the invention, the numeral 5 designates generally a kitchen stool of the step-ladder type and which includes side supports 6, a lower step 7 and an upper step 8 which forms the top of the stool.

A high-chair tray is shown at 9 which is

2

secured to the front end of a U-shaped arm and back rest 10. The arm portions of the arm and back rest 10 are supported on top of uprights 11 which are formed with dowels 12 at their lower ends inserted in openings 13 in the top or seat 8 of the stool.

The back portion of the arm and back rest 10 is supported by an upright 14 which is detachably mortised into the same and has a shoulder 15 adjacent its lower portion resting on top of the top or seat 8 and a thumb screw 16 is threaded through a metal wear plate 17 in the lower portion of rear upright 14 and threaded into a downturned flange 18 on a bracket 19 secured to the underside of top or seat 8. For mortising the upright 14 into the arm and back rest 10, the back edge of said arm and back rest 10 is provided with a longitudinal recess 10' therein. The side edges of the upright 14 are notched, as at 14', so that said upright may be fitted and seated in said recess 10' with the notches 14' straddling and fitting over the arm and back rest 10 at the ends of said recess 10'.

A U-shaped bracket 20 is secured to the underside of the front portion of top or seat 8 and in which the lower horizontal end 21 of an upwardly curved tray support 22 is tightly fitted to hold the tray support 22 in an upstanding position in front of top or seat 8. The upper end of tray support 22 is formed with a rearwardly extending arm 23 which underlies the bottom of tray 9 to form a brace for the tray and which is straddled by a child when seated behind the tray to prevent the child from sliding forwardly.

A foot rest 24 is provided with a pivot 25 projecting outwardly at each rear side edge thereof for pivotally supporting the foot rest to the sides or legs 6 of the stool for swinging the front edge of the foot rest vertically. The sides or legs 6 of the stool are formed each with an arcuate row of openings 26 in which the outwardly projecting ends of a pair of locking bars 27 are selectively received, the bars 27 being slidable at their inner ends in the opposite ends of a housing 28 secured to the foot rest 24 and having a slot 29 in its bottom through which finger grips 30 project upwardly into the housing and are attached to the inner ends of the bars 27. A coil spring 31 is positioned in the housing and bears against the upper ends of finger grips 30 to hold the bars 27 in an outwardly projected position in engagement in the openings 26.

In the operation of the device the stool or

ladder 5 is used in the normal manner as a kitchen stool when supports 11, 14 and 22 are removed from the top or seat 8 thereof.

The stool is converted into a high-chair by mounting the supports 11, 14 and 22 on the top or seat 8 in the manner indicated to thus support the tray 9 and arm and back rest 19 thereon, and which thus provides a high-chair for a child occupying top or seat 8.

Foot rest 24 may be raised or lowered into the full and dotted line positions shown in Figure 7 of the drawings.

In view of the foregoing description taken in conjunction with the accompanying drawings it it believed that a clear understanding of the construction, operation and advantage of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and falling within the scope of the appended claims.

Having described the invention, what is claimed as new is:

1. A convertible kitchen stool and high-chair comprising a top for the stool having a rear edge, a tray, a U-shaped arm and back rest connected at its ends to the tray, an upright attached to

said back rest centrally thereof and opposed to the rear edge of the top with a shoulder in the upright resting on said top, a flange depending from said top adjacent said rear edge, and a thumb screw extending through said upright below said top and into said flange and clamping said upright against said rear edge.

2. A convertible kitchen stool and high-chair comprising a top for the stool having front and rear edges, a tray, a U-shaped arm and back rest connected at its ends to said tray, an upright supporting said arm and back rest in the center thereof on the rear edge of said top, a U-shaped bracket depending from said top adjacent said front edge, and an upwardly curved tray support having a horizontal end portion slidably fitted in said bracket and against the bottom of said top.

LEONARD ORLENDO FINWALL.

REFERENCES CITED

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

UNITED STATES PATENTS

Number	Name	Date
D. 153,672	Di Giorgio	May 10, 1949
518,070	Morfoot	Apr. 10, 1894
660,951	Firnhaber	Oct. 30, 1900
664,542	Firnhaber	Dec. 25, 1900
2,008,689	Donahoe	July 23, 1935
2,077,855	Reiss	Apr. 20, 1937