Dec. 28, 1948. H. M. WOOD 2,457,294

HIGH CHAIR CONSTRUCTION

Filed Aug. 12, 1946 2 Sheets-Sheet 1

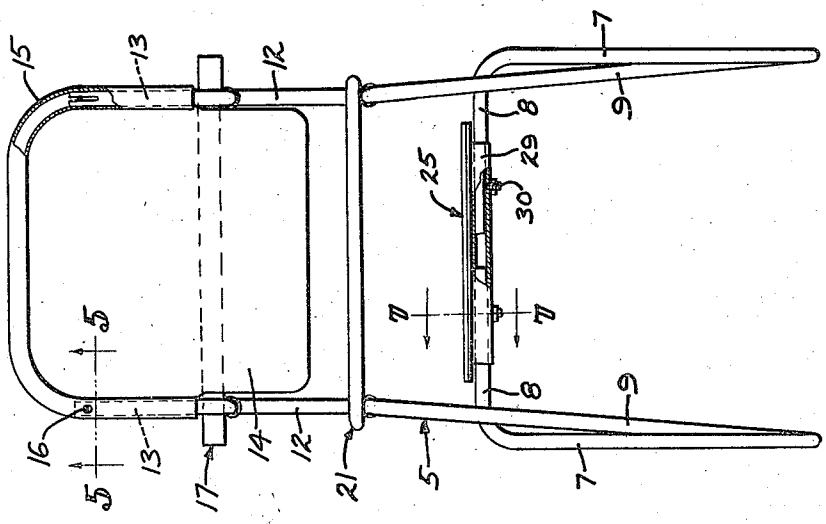


Fig. 2.

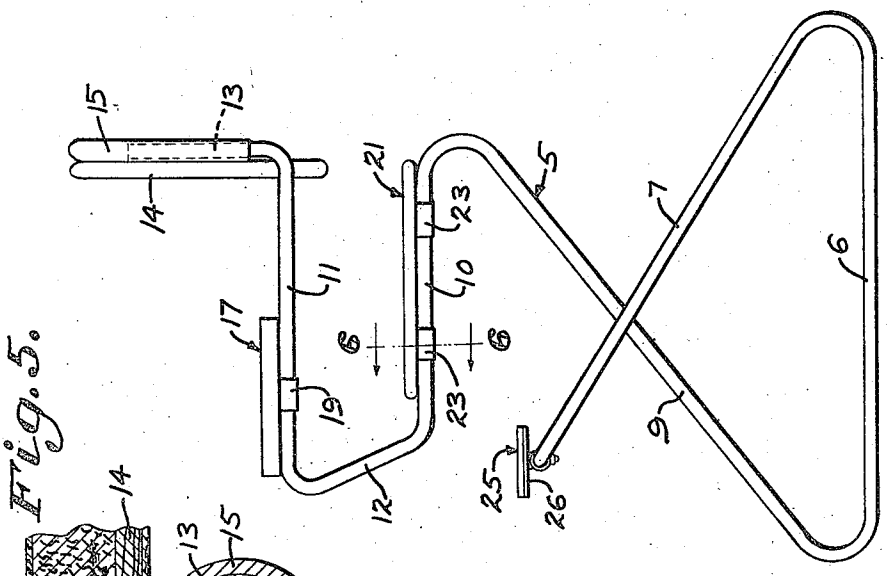


Fig. 1.

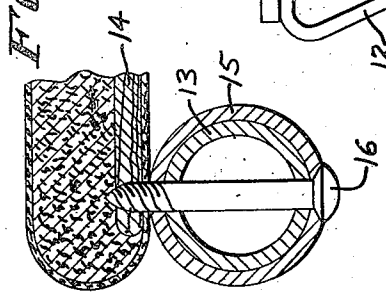


Fig. 5.

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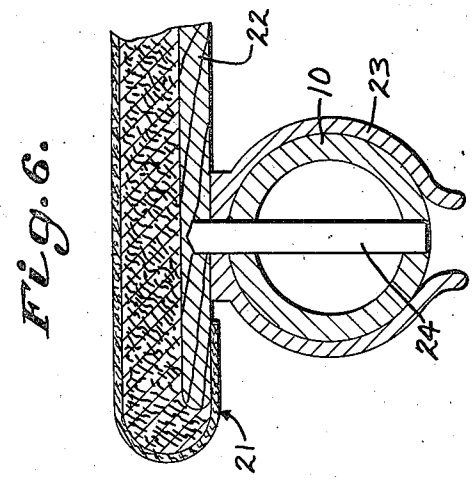


Fig. 6.

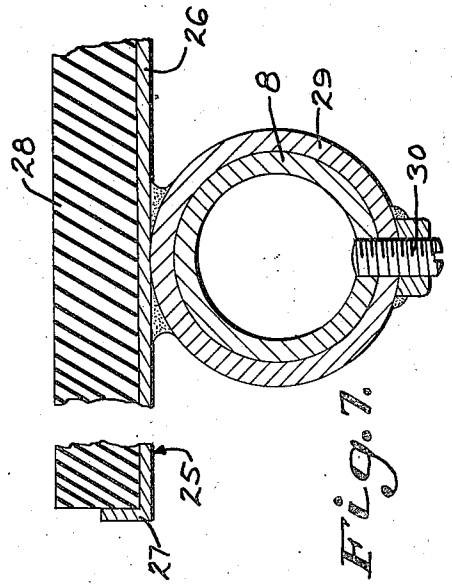


Fig. 7.

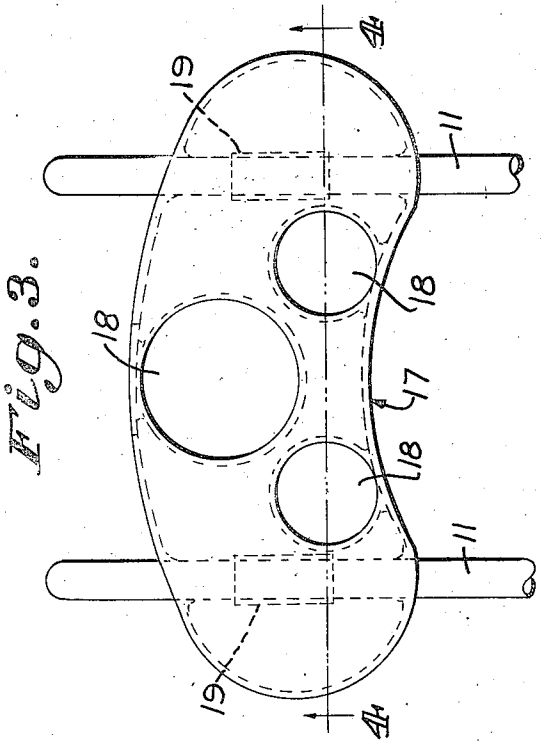


Fig. 3.

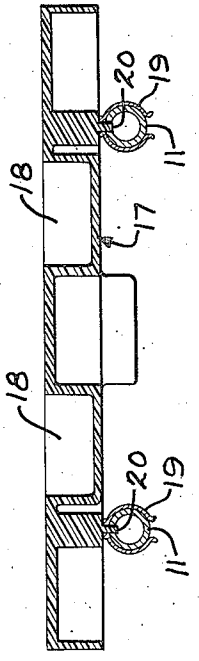


Fig. 4.

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UNITED STATES PATENT OFFICE

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HIGH CHAIR CONSTRUCTION

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Application August 12, 1946, Serial No. 690,059

3 Claims. (Cl. 155—196)

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This invention relates to chair construction, and more particularly to the construction of high chairs.

The primary object of the invention is to provide a high chair embodying separable sections, each section embodying a length of metal tubing bent to provide a back rest support, tray support, seat support and footrest support.

Another object of the invention is the provision of means whereby the chair sections will be secured together by means of the back rest, tray, seat and footrest, which are fitted thereover and secured to the chair sections.

Still another object of the invention is to provide a high chair which may be shipped knocked down and readily and easily assembled to provide a high chair, by persons unfamiliar with mechanics.

With the foregoing and other objects in view which will appear as the description proceeds, the invention consists of certain novel details of construction and combinations of parts hereinafter more fully described and pointed out in the claims, it being understood that changes may be made in the construction and arrangement of parts without departing from the spirit of the invention as claimed.

Referring to the drawings

Figure 1 is a side elevational view of a high chair constructed in accordance with the invention.

Figure 2 is a rear elevational view thereof.

Figure 3 is a plan view of the tray, illustrating the tray as mounted on the arms of the high chair.

Figure 4 is a sectional view taken on line 4—4 of Fig. 3.

Figure 5 is a sectional view taken on line 5—5 of Fig. 2.

Figure 6 is a sectional view taken on line 6—6 of Fig. 1.

Figure 7 is a sectional view taken on line 7—7 of Fig. 2.

Referring to the drawings in detail, the high chair comprises a pair of identical sections which form the frame of the high chair, and since these frame sections are of like construction, only one section will be described in detail.

These sections are indicated generally by the reference character 5, and each section comprises a length of tubular metal bent to provide a horizontal supporting section 6 and a forwardly extended arm 7 which is disposed at an oblique angle with respect to the supporting section 6, the forward end of the arm 7 being extended laterally as at 8. At the forward end of the horizontal supporting section 6, is a rearwardly extended arm 9 which has a portion thereof extended forwardly in horizontal parallel relation with the horizontal supporting section 6, as at 10.

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Directly above the section 10, is a section 11 which is spaced from the section 10 and is disposed in parallel relation therewith, the sections 10 and 11 being connected by the forwardly extended portion 12.

The section 11 constitutes the arm of the section, and the free end of the section 11, extends upwardly as at 13.

The reference character 14 indicates the back of the high chair, and comprises a base 14 which is padded as shown by Fig. 5 of the drawings. A curved tubular member 15 is secured to the rear surface of the back rest, the ends of the tubular member facing downwardly so that they will receive the upwardly extended ends 13 of the sections. Set screws 16 are now provided to secure the back in position.

The tray is indicated by the reference character 17 and may be constructed of any desired material, the tray being preferably formed with compartments 18 for the reception of food. The tray is supplied with clips 19 that are constructed to fit over the arms 11 of the chair, the clips and tray being formed with pins 20 that extend through openings in the arm sections 11 of the chair, to hold the tray against movement longitudinally of the arm sections 11.

The seat section is indicated by the reference character 21 and comprises a base 22 to which the clips 23 are secured, the clips 23 and base 22 being formed with aligning openings, to accommodate the pins 24 that extend from the horizontal sections 10 of the frame sections, as clearly shown by the drawings. It will of course be understood that the base 22 of the seat may be upholstered in any desired way, for the comfort of the user.

When the seat section is positioned, it will be obvious that the pins 24, engaging within the openings of the clip and base 22, will prevent movement longitudinally of the sections 10.

The footrest is indicated by the reference character 25 and comprises a base plate 26 formed with an upstanding flange 27 within which the block of rubber 28 is held.

A transversely disposed tube 29 is welded to the base plate 26, as shown by Fig. 7 of the drawings, and this tube 29 is designed to accommodate the laterally extended ends 8 of the frame sections. Screws 30 are provided, the screws 30 being ex-

tended through registering openings in the tube 29 and ends 8 of the frame sections. Thus it will be seen that due to this construction, the back rest, tray, seat and footrest sections, are not only secured to the sections of the frame of the high chair, but these elements provide means for securing the sections of the frame together.

While these members secure the sections of the frame together, it is obvious that the frame sections may be readily and easily disconnected from the back rest, tray, seat and footrest sections to the end that the chair may be readily knocked down for shipment.

What is claimed is:

1. In a high chair construction, a frame embodying sections constructed of lengths of tubular material formed to provide vertical ends, a back, a tube secured to the back, the ends of the tube being vertically disposed and in which the vertical ends of the frame sections are secured, the opposite ends of the frame sections being extended inwardly, a footrest, a tube secured to the footrest and adapted to receive the inwardly extended ends of the frame sections, and said back and footrest securing the sections of the frame together.

2. In a high chair construction, a frame embodying spaced sections, each section comprising a base and upper and lower arms extending from the ends of the base, the lower arms being crossed, the free ends of the upper arms being extended upwardly, a back section, a tube secured to the rear surface of the back section in which the ends of the upper arms are disposed, a foot rest, an open ended tube on the foot rest in which the ends of the lower arms are secured, securing the sections of the frame together.

3. A high chair construction comprising a frame embodying spaced identical sections, each section embodying a length of tubular material formed to provide a base and crossed arms, certain of the arms extending upwardly, and certain of the ends of the arms extending inwardly, a footrest removably held on inwardly extended portions of the latter arms, and a back rest secured to the upper ends of the first mentioned arms, whereby said sections are removably held together.

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