March 22, 1949. W. KULLACK 2,465,104

CHAIR WITH VERTICALLY ADJUSTABLE SEAT

Filed Aug. 30, 1946

Fig. 1

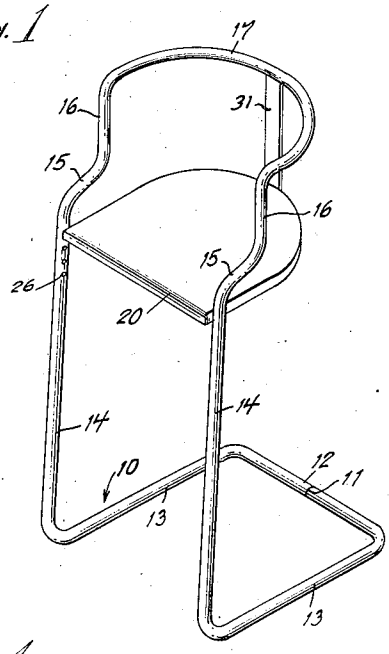


Fig. 2

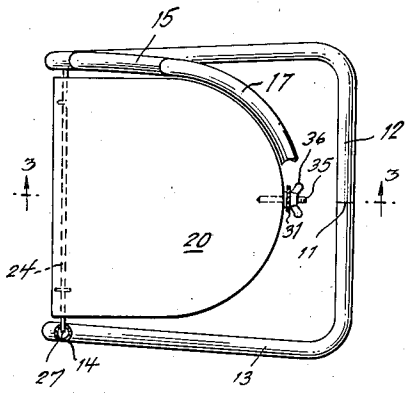


Fig. 4

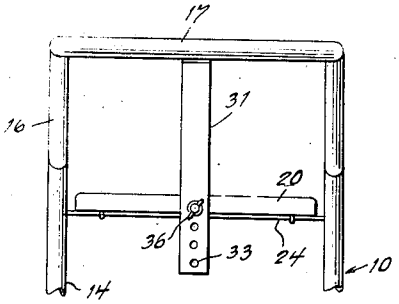


Fig. 5

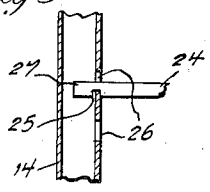


Fig. 7

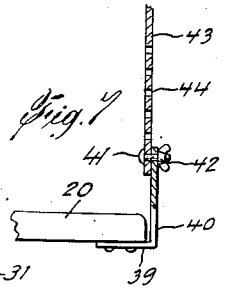


Fig. 6

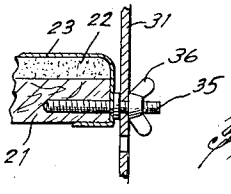
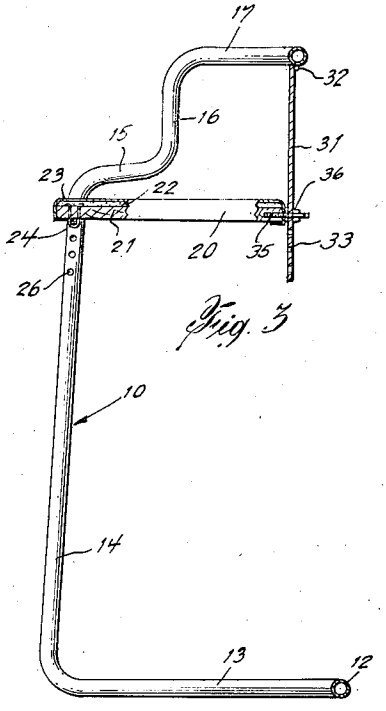


Fig. 3



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CHAIR WITH VERTICALLY ADJUSTABLE SEAT

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2 Claims. (Cl. 155—88)

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This invention relates to new and useful improvements in furniture, and relates more particularly to a novel chair for children of intermediate ages, the chair being adapted principally, although not exclusively, for use at the dining table.

Common types of high chairs are used for children up to three years of age or thereabouts, but from there on it has been customary practice to have the child sit, while at the dining table, on an ordinary adult chair, occassionally propped up by means of books when they are available. This practice tends to frustrate the teaching of normal table habits to the child in view of the difficulties in reaching articles, and results in retarded development and uncertain eating habits of the child.

It is an important object of the present invention to provide a novel chair which is provided with an adjustable seat, the chair being so arranged as to give the child substantially the same positioning at the dining table, size considered, as the adult enjoys. The chair of the present invention is exceedingly well balanced, particularly considering the fact that the seat is considerably higher than an adult dining chair, and largely eliminates the possibility of upsetting under average conditions.

Another object of the invention is to form an adjustable chair which is arranged to permit its upper forward portion to contact the edge of the dining table regardless of the adjusted, fixed position of the seat. This arrangement positions the child in an effective location relative to the table, permits ready access of the child to articles on the table, and increases the stability of the chair.

A further object of the invention is to provide a child's dining chair with a seat which is adjustable as to height, the adjustment being readily effected without the use of tools and by a person not possessed of any particular mechanical skill.

The chair of the present invention comprises a frame desirably formed from metal tubing which is easily bent to shape and is inexpensive to construct.

In the drawing:

Fig. 1 is a perspective view of a chair embodying the present invention.

Fig. 2 is a top plan view thereof, a portion of the seat back being broken away.

Fig. 3 is a section taken on line 3—3 of Fig. 2.

Fig. 4 is a broken rear elevation of the chair.

Fig. 5 is a broken section showing the supporting means for the seat front.

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Fig. 6 is a broken section showing the supporting means for the rear end of the seat.

Fig. 7 is a partial section showing a modified form of supporting means for the rear end of the seat.

The chair of the present invention may be formed with a one-piece frame 10, although, if desired, the frame may be made in two or more pieces, particularly if it is desired to arrange the chair so that it can be dismantled and shipped flat and occupy a relatively small space. The frame may be formed from tubing made from aluminum or other metal, and if it is formed in one piece it may be joined at 11 by welding or any other suitable means.

The base of the chair comprises a rear transverse portion 12 and forwardly-extending, longitudinal portions 13. The frame extends upwardly at the front, forming spaced, substantially vertical legs 14 which are inclined somewhat rearwardly in order to give the chair additional stability. At their upper ends, legs 14 are bent rearwardly, as shown at 15, and then generally upwardly, as shown at 16. The upper ends of portion 16 are joined by a semi-circular back portion 17 which is substantially parallel with the base.

The seat 20 may be formed with a base 21 of wood or other suitable material having a padding 22 on its upper surface which is provided with a suitable covering 23 of leather, fabric, or other material. On the lower surface of the seat adjacent its forward edge there is provided a transverse bar 24 which extends beyond the seat on each side thereof. A small notch 25 may be milled or otherwise formed adjacent the vertical side walls of such seat. On the inner surface of legs 14 adajacent their upper ends there are formed a plurality of spaced apertures 26 which receive the transverse bar 24 at opposite ends thereof to support the forward edge of such seat. Inasmuch as the frame 10 is substantially resilient, the terminals 27 of such bar are easily inserted within apertures 26 by merely moving the legs away from each other a sufficient distance to permit the terminals to be received within the apertures, after which the frame springs back into place. The milled notches 25 receive the lower walls of the apertures and thus prevent casual removal of these terminals from the legs.

The rear portion of the seat is supported by means of a flat metal strap 31 which may be secured, as by welding or otherwise, at 32 in the center of the lower surface of the back portion 17. Adjacent its lower end strap 31 has a plu-

rality of apertures **33** having the same spacing as apertures **26** in the legs. A threaded pin **35** is suitably secured in the rear portion of the seat and extends outwardly therefrom. This pin extends through one of apertures **33** and is secured by means of a wing nut **36**.

In Fig. 7 a modified arrangement is shown wherein the seat **20** carries at its rear edge the horizontal portion **39** of an angle bar **40** having an opening through which a threaded pin **41** passes, the pin being secured again as by means of a wing nut **42**. A downwardly-depending strap **43** is secured to the circular back portion **17** and is provided with a plurality of spaced apertures **44**, through one of which pin **41** passes.

While two forms or embodiments of the invention have been shown and described herein for illustrative purposes, and the construction and arrangement incidental to two specific applications thereof have been disclosed and discussed in detail, it is to be understood that the invention is limited neither to the mere details or relative arrangement of parts, nor to its specific embodiments shown herein, but that extensive deviations from the illustrated forms or embodiments of the invention may be made without departing from the principles thereof.

What I claim is:

1. A child's dining chair provided with an adjustable seat, such chair comprising a frame formed from metal tubing and including a base portion, upwardly and slightly rearwardly-extending leg portions, an upwardly-extending, generally semi-circular back portion connecting the upper ends of the leg portions, the upper, inner surfaces of the leg portions having a plurality of spaced apertures therein, the seat being generally flat and being provided with a laterally-extending supporting rod adjacent its forward edge whose terminals are received within selected, opposed apertures in the leg portions, and a strap extending downwardly from the center of the back frame portion and having a plurality of spaced apertures therein, a pin extending rearwardly from the seat and arranged to be received in a selected one of such apertures.

2. A child's dining chair provided with an adjustable seat, such chair comprising a frame formed from metal tubing and including a base portion, upwardly and slightly rearwardly-extending leg portions, and a curved back portion connecting the upper terminals of the leg portions, the upper, inner surfaces of the leg portions having a plurality of spaced apertures therein, the seat being provided with laterally-extending supports adjacent its forward edge which are received within selected apertures in the leg portions, overlapping straps extending downwardly from the back portion and upwardly from the back of the seat, and means connecting the overlapping portions in adjusted relation.

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