May 12, 1942. S. F. OSTROW 2,282,881

HIGH-CHAIR DEVICE

Filed May 13, 1941

Fig. 1.

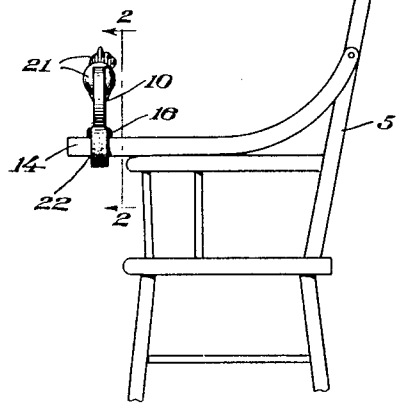


Fig. 5.

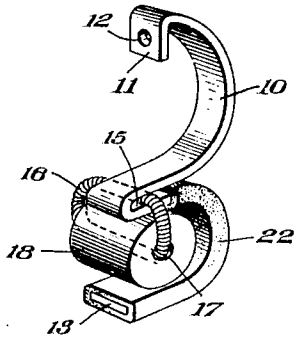


Fig. 2.

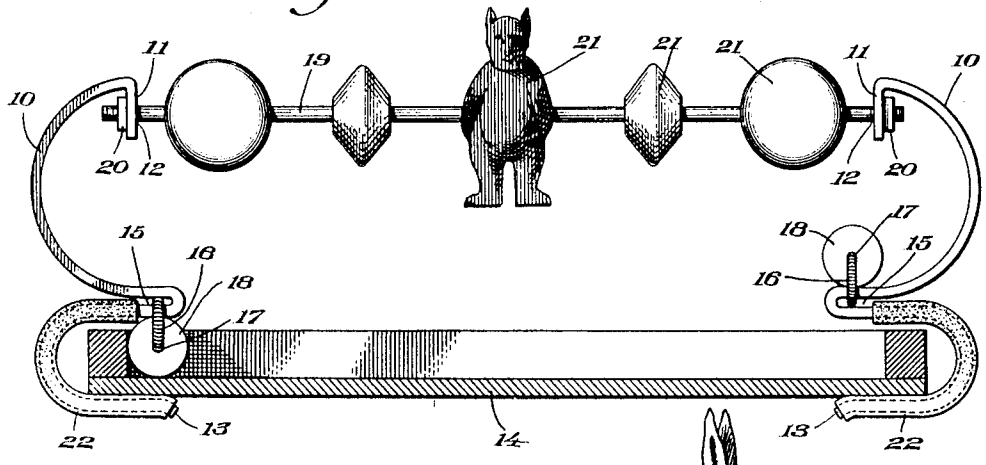


Fig. 3.

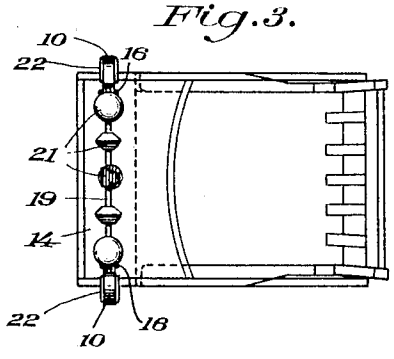
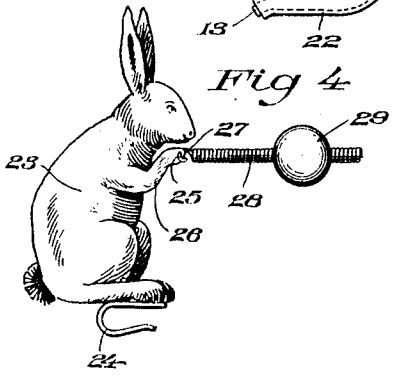


Fig 4



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2,282,881

HIGH-CHAIR DEVICE

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Application May 13, 1941, Serial No. 393,287

4 Claims. (Cl. 46—32)

This invention relates to a high chair device and has for an object to provide a device which can easily be attached to the tray of a baby's high chair to support a string of toys in such manner as to prevent the infant knocking the toys off the tray.

Another object of the invention is to provide a support for toys which will hold a number of toys in front of a child in such manner that the toys may be easily revolved by the child and serve as a pacifier.

A further object is to provide a device of this character which will be formed of a few strong simple and durable parts, which will be inexpensive to manufacture, and which will not easily get out of order.

With the above and other objects in view the invention consists of certain novel details of construction and combinations of parts hereinafter fully described and claimed, it being understood that various modifications may be resorted to within the scope of the appended claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawing forming a part of this specification:

Figure 1 is a view in side elevation of a child's chair showing the device secured to the tray of the chair.

Figure 2 is a cross sectional view taken on the line 2—2 of Figure 1.

Figure 3 is a top plan view of a child's chair showing the device secured to the tray.

Figure 4 is a view in side elevation of a modification of the device.

Figure 5 is a perspective view of one of the spring clamps, with one of the wedge rollers secured to the clamp by an endless coil spring.

Referring now to the drawing in which like characters of reference designate similar parts in the various views, 10 designates a U-shaped bracket arm having a depending lug 11 at the top provided with an aperture 12. A U-shaped spring clamp 13 is formed integral with the bottom end of the bracket arm. A pair of the above-described bracket arms and clamps are employed to attach the device to the tray 14 of a child's high chair 5. The clamps are slid longitudinally of the sides of the tray, as best shown in Figure 2, and straddle the bottom and respective side of the tray. To protect the tray from being marred rubber tubes 22 are slipped onto the clamps.

Between the upper end of each clamp and its respective bracket arm a space 15 exists in which a respective wedge roller 18 may be pivoted. The wedge roller is provided with an axial bore 17 to receive a pivot ring 16 which, preferably, is formed of an endless loop of helical spring wire. The upper side of the loop is disposed in the space 15 and is rotatably confined therein by the end of the respective rubber tube 22, as best shown in Figure 5. The resiliency of the spring permits the pivot ring to stretch and hold the wedge roller in released position above the bottom end of the bracket arm as shown on the right of Figure 2. Also the resiliency of the ring permits the wedge roller to be forced by the pivot ring tight against the top face of the tray, as shown on the left of Figure 2, to hold the clamp tight against the bottom of the tray and prevent movement or accidental dislodgement of the bracket arm from the tray. A stringer rod 19 is disposed at the ends in the apertures 12 of the lugs 11. The ends of the rod are threaded to receive a nut 20 which secures the rod to the bracket arm 10.

A plurality of toys 21, such as balls, beads, bunnies, or other articles, are centrally bored and strung upon the stringer rod 19 so as to be easily rotated by the child. The toys cannot become accidentally detached from the stringer rod so that they can never fall to the floor. Also the stringer rod 19 and bracket arms 10 support the toys directly in front of the child so as to constantly attract a child's attention and thus serve as a pacifier.

A modified form of the invention is shown in Figure 4 in which a figure, such as a toy bunny in rampant position, is sustituted for the U-shaped bracket arm as shown at 23. A U-shaped spring clamp 24 is secured to the bottom of the figure and is adapted to be placed astride the bottom and wall of the tray to secure the figure to one side of the tray. In the modified form of the invention the stringer rod is constructed of a helical spring 28 having a terminal ring 27 engaged through an orifice 25 in the paw 26 of the figure. Toys 29, as above described, are bored to be rotatably mounted on the stringer rod.

From the above description it is thought that the construction and operation of the invention will be fully understood without further explanation.

What is claimed is:

1. A high chair device, comprising bracket arms, oppositely arranged U-shaped spring clamps rigidly carried by the lower ends of the bracket arms and adapted to clamp over the

outer edges of the tray of a child's high chair, a horizontal stringer connecting the upper ends of the bracket arms, and toys movably mounted on said stringer.

2. A high chair device, comprising bracket arms, oppositely arranged U-shaped spring clamps formed by double looped portions of the lower ends of the bracket arms, endless loop helical spring wires disposed in the double looped portion of the spring clamps, wedge rollers on the bottom side of said spring wires, a stringer connecting the upper ends of the bracket arms, and toys movably mounted on said stringer.

3. A high chair device, comprising outwardly bowed bracket arms having their upper ends turned downwardly, a stringer connecting the downwardly turned ends of the bracket arms, toys movably mounted on said stringer, and oppositely arranged U-shaped spring clamps carried by the lower ends of the bracket arms and adapted to clamp over the outer edges of the tray of a child's high chair.

4. A high chair device, comprising outwardly bowed bracket arms having their upper ends turned downwardly, a stringer connecting the downwardly turned ends of the bracket arms, toys movably mounted on said stringer, oppositely arranged double U-shaped spring clamps formed in the lower end of the bracket arms, endless loop helical spring wires disposed in the double loop portions of the spring clamp, and wedge rollers on the bottom side of said spring wires and adapted to be swung downwardly upon the bottom of the tray of a child's high chair.

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