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W. G. BOYER ET AL
DISH ATTACHMENT FOR HIGH CHAIRS

2,535,563

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2 Sheets-Sheet 1

Fig. 1.

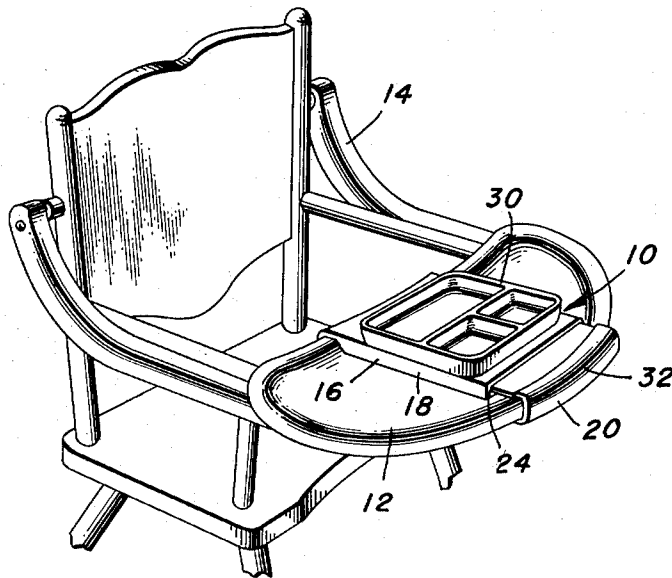


Fig. 3

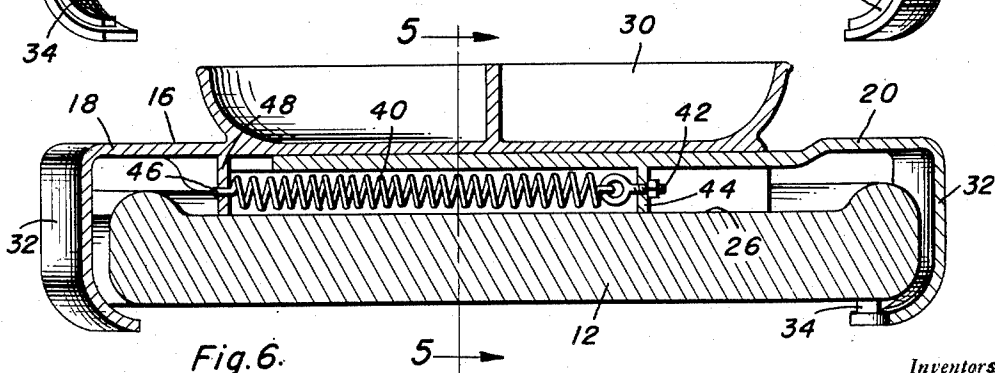
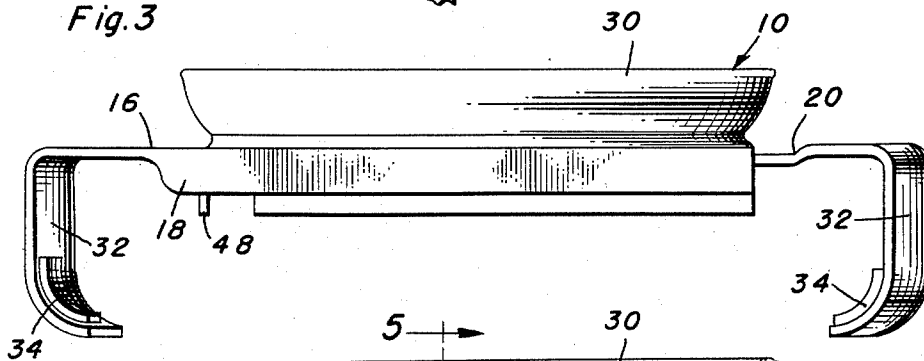


Fig. 6.

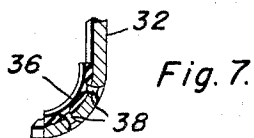


Fig. 7.

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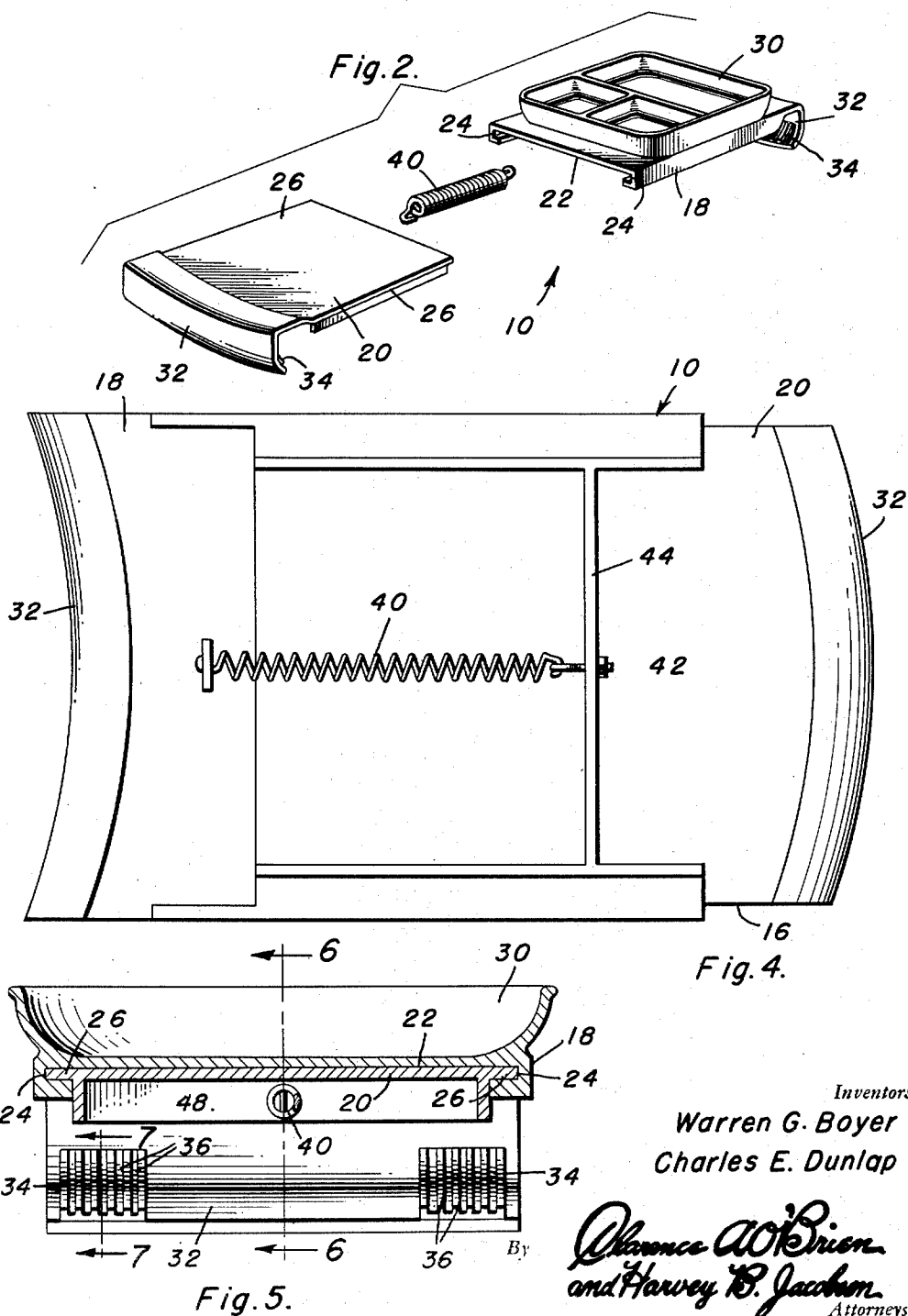
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UNITED STATES PATENT OFFICE

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DISH ATTACHMENT FOR HIGH CHAIRS

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4 Claims. (Cl. 65—54)

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This invention relates to new and useful improvements and structural refinements in attachments for high chairs, and the principal object of the invention is to provide a device of the character herein described which, in the nature of a dish, is conveniently and expeditiously attachable to the conventional tray of a high chair, thus eliminating any possibility of the occupant of the high chair from moving or upsetting the dish.

This object is achieved by forming a dish integrally with the means for attaching the same to the high chair tray, an important feature of the invention residing in the particular structure of the attaching means as well as in the particular manner whereby the dish is associated therewith.

Some of the advantages of the invention lie in its simplicity of construction, in its convenient attachment and detachment, and in its adaptability to economical manufacture.

With the above more important objects and features in view, and such other objects and features as may become apparent as this specification proceeds, the invention consists essentially of the arrangement and construction of parts as illustrated in the accompanying drawings, in which:

Figure 1 is a perspective view showing the invention applied to the usual tray of a high chair;

Figure 2 is an exploded perspective view of the invention per se;

Figure 3 is a side elevational view of the invention;

Figure 4 is an underside plan view thereof;

Figure 5 is a cross-sectional view of the invention, this view being taken substantially in the plane of the line 5—5 in Figure 6, but with the tray of the high chair omitted;

Figure 6 is a cross-sectional view, taken substantially in the plane of the line 6—6 in Figure 5; and

Figure 7 is a fragmentary cross-sectional detail, taken substantially in the plane of the line 7—7 in Figure 5.

Like characters of reference are employed to designate like parts in the specification and throughout the several views.

Referring now to the accompanying drawings in detail, the invention consists of a dish attachment designated generally by the reference character 10, this being primarily intended to be applied to the usual tray 12 of a high chair 14, the attachment 10 consisting of a platform 16 composed of a pair of slidably telescoped sections 18, 20.

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The platform section 18 is provided in the underside thereof with a recess 22, flange-shaped portions of the section 18 at the opposite sides of this recess being provided in their opposing inner surfaces with a pair of keeper grooves 24 (see Figure 5), while the platform section 20 is formed integrally with laterally projecting rails 26 which are slidable in the grooves 24, whereby the sections 18, 20 may be telescoped together so as to increase or decrease the overall length of the platform as a whole, as will be clearly apparent.

The platform section 18 is formed integrally with a dish 30, which may be partitioned as shown, and both platform sections 18, 20 are provided at relatively opposite ends thereof with downwardly extending flanges 32. These flanges preferably have their lower edge portions inwardly arcuated as is best shown in Figures 2 and 4, so that they conform, more-or-less, to the curvature of the longitudinal edges of the tray 12, as indicated in Figure 1. Needless to say, the flanges 32 are adapted to engage the longitudinal edges of the tray as shown in Figure 1, and to prevent the tray from being marked by the attachment, and also, to prevent the attachment from sliding longitudinally on the tray, suitable friction pads 34, preferably formed from resilient material, may be secured to the inner surfaces of the flanges 32 for the purpose of engaging the edges of the tray, as will be clearly understood. If desired, the friction pads 34 may be provided with a series of undulations or ribs 36 so that their gripping efficiency is substantially increased, the pads 34 being secured to the flanges 32 in any desired manner, such as for example, by the fastening elements 38 (see Figure 7).

The attachment is retained in position on the tray 12 by drawing the platform sections 18, 20 together, this being accomplished by providing a tension spring 40 which is disposed under the platform and has one end thereof anchored as at 42 to a transverse rib or cross member 44 provided on the underside of the platform section 20. Similarly, the remaining end of the spring 40 is anchored as at 46 to a cross member 48 provided on the underside of the platform member 18, so that by virtue of this spring, the platform members 18, 20 are drawn together, thus engaging the flanges 32 and the friction pads 34 with the opposite edges of the tray 12, and preventing the child in the high chair from removing, tilting or upsetting the dish 30. Needless to say, the attachment may be readily removed by the child's attendant by simply drawing the

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sections 18, 20 apart against the resiliency of the spring 40, so as to disengage the flanges 32 from the tray 12.

It is to be noted that although in the foregoing description the attachment has been referred to as being intended for trays of high chairs, the invention may also be employed in association with any other suitable support, such as for example, on the arm rest of a high chair or any other similar chair, and the like.

It is believed that the advantages and use of the invention will be clearly apparent from the foregoing disclosure and accordingly, further description thereof at this point is deemed unnecessary.

While in the foregoing there has been shown and described the preferred embodiment of this invention it is to be understood that minor changes in the details of construction, combination and arrangement of parts may be resorted to without departing from the spirit and scope of the invention as claimed.

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

1. In a dish attachment for trays and the like, the combination of a platform adapted for positioning on a support and consisting of a pair of slidably telescoped sections, downturned support engaging flanges provided on said sections at relatively opposite ends of the platform, resilient means for sliding said sections together, and a dish provided on one of the sections.

2. The device as defined in claim 1 wherein

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said resilient means comprise a tension spring having each end thereof connected to one of said sections.

3. The device as defined in claim 1 wherein the dish carrying section of said platform is provided in the underside thereof with a set of keeper grooves, together with longitudinal rails provided at the sides of the remaining section and slidably engaging said grooves.

4. The device as defined in claim 1 together with a set of friction pads provided on opposing inner surfaces of said flanges, each friction pad being provided with a series of grooves affording therebetween a plurality of upwardly extending support engaging ribs.

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REFERENCES CITED

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

UNITED STATES PATENTS

	Number	Name	Date
25	1,202,816	Drake -----	Oct. 31, 1916
	1,270,273	Dunlap -----	June 25, 1918
	1,297,115	Dulac -----	Mar. 11, 1919
	1,420,061	Rappelle -----	June 20, 1922
	1,440,979	Gemmel -----	Jan. 2, 1923
30	1,555,038	Thweatt -----	Sept. 29, 1925
	1,758,873	Wickes -----	May 13, 1930
	1,837,987	Beckerman -----	Nov. 15, 1932