A. G. WEDGE.

TRAY.

APPLICATION FILED AUG. 31, 1914.

1,223,543. Patented Apr. 24, 1917.

Fig. 1.

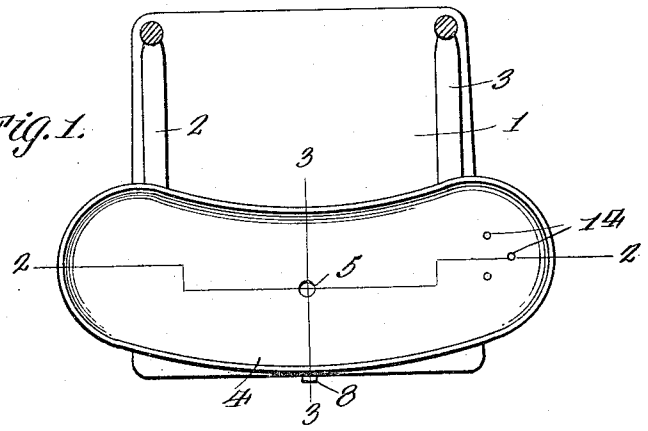


Fig. 2.

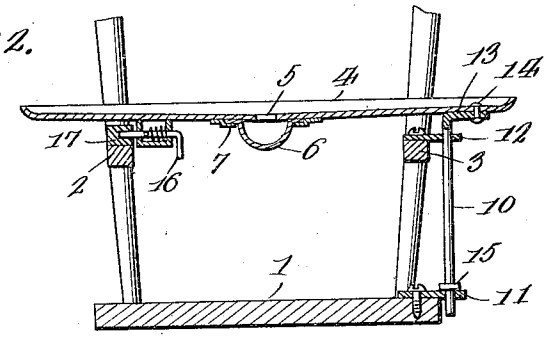


Fig. 3.

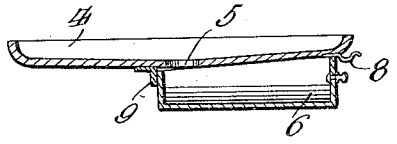


Fig. 4.

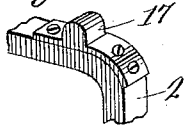


Fig. 5.

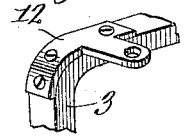
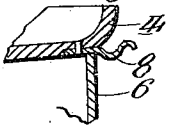


Fig. 6.



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UNITED STATES PATENT OFFICE.

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TRAY.

1,223,543. Specification of Letters Patent. Patented Apr. 24, 1917.

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To all whom it may concern:

Be it known that I, ALBERT G. WEDGE, citizen of the United States, residing at Iron River, in the county of Iron and State of Michigan, have invented certain new and useful Improvements in Trays, of which the following is a specification.

My invention is designed as an improved high chair table or tray.

An object of the invention is to provide an attachment for high chairs of ordinary construction, the attachment consisting of a one-piece sanitary aluminum tray or table pivoted at one end to the chair seat and fastened at its opposite end to the arm of the chair, the latter connection being detachable in its nature to provide for movement of the tray in a substantially horizontal plane into and out of an operative position.

A further object of the invention resides in the provision of a tray of such formation as to cause perfect drainage through an opening therein; a receptacle or container, removably supported by the tray, being arranged beneath the opening for an obvious purpose.

As a still further object, the invention contemplates improved means for mounting the tray.

The above and additional objects are accomplished by such means as are illustrated in their preferred embodiment in the accompanying drawings described in the following specification and then more particularly pointed out in the claim which is appended hereto and forms a part of this application.

In describing my invention in detail reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a top plan view of the table or tray illustrating its application in connection with a high chair, the latter being shown in section;

Fig. 2 is a section on the line 2—2 of Fig. 1;

Fig. 3 is a section on the line 3—3 of Fig. 1;

Fig. 4 is a detail perspective view of the keeper;

Fig. 5 is a detail perspective view of one of the bearings for the support means mounting the tray; and

Fig. 6 is a fragmentary sectional view illustrating the spring lock for the container or receptacle.

Referring now to the drawings by numerals, 1 designates the seat, and 2 and 3 the respective high chair arms. Preferably, the tray or table 4 is constructed of a material such as aluminum, porcelain, or the like and shaped in cross section as shown to advantage in Figs. 2 and 3, the formation as therein shown causing perfect drainage toward and through an opening 5 in the tray. A receptacle or container 6, in the nature of a drawer, is arranged beneath the tray 4, the said container being positioned in such relation to the opening 5 as to receive all liquid or solid substances passing therethrough, the said container being mounted on runners or supporting strips 7 affixed to the under side of the tray. In order that the container may be held immovable relatively to the tray, I provide a spring latch 8 disposed for engagement in the forward end thereof and a lug or projection 9 engageable with the rear end thereof, the latter being immovable relatively to the tray, and the former being actuatable in order that the container may be withdrawn, cleaned and replaced as occasion may demand. The mounting for the tray consists of a support rod 10 journaled in bearings designated respectively 11 and 12, the former being affixed to the seat 1 of the chair and the latter to the arm 3 directly thereabove. Rod 10 is flattened or enlarged at a point designated 13, the flat portion extending at a right angle to the rod and serving as a support for the tray, the latter being riveted or otherwise affixed thereto as indicated at 14 in the drawings. In order that rod 10 may be supported vertically relatively to the bearing therefor, I provide a collar or flange 15 engageable with the top surface of bearing 11 secured to the seat.

The tray being rigid with support rod 10, and the said support rod 10 being rotatable in the bearings therefor, it is apparent that the tray may be moved laterally in a horizontal plane, such movement being pivotal in its nature, in order that the tray may be swung into and out of an operative position in a manner common to the art. As a means whereby tray 4 may be locked relatively to the chair when in an operative position, I provide a spring actuated pawl or catch 16 the latter being supported beneath

the tray by means of a casing affixed thereto, the said latch being disposed in such relation to a keeper 17 mounted on arm 2 of the chair as to fit an opening within the keeper, the engagement between the said pawl and its retaining means causing the tray to be locked immovable in proper place directly above the arm and considerably above the seat of the chair.

From the foregoing, taken in connection with the accompanying drawings it is evident that the tray by reason of its formation may be easily cleaned and rendered completely sanitary, there being no cracks or crevices within which bacteria and other deleterious matter can lodge; and that the container 6 may be removed when filled, subsequently washed, and then replaced.

In reduction to practice, I have found that the form of my invention, illustrated in the drawings and referred to in the above description, as the preferred embodiment, is the most efficient and practical; yet realizing that the conditions concurrent with the adoption of my device will necessarily vary, I desire to emphasize the fact that various minor changes in details of construction, proportion and arrangement of parts may be resorted to, when required, without sacrificing any of the advantages of my invention, as defined in the appended claim.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent, is:—

A substantially reniform tray for high-chairs formed of pressed metal having raised marginal flanges and its bottom sloped down from all portions to the center thereof, said bottom having a drainage opening at said center, a semi-cylindrical drawer extending transversely of the tray and therebeneath from the forward edge of the tray to the center with the bottom of the drawer disposed horizontally and its upper edges sloped to conform to the bottom of the tray, and means for suspending the drawer to permit sliding movement thereof in the direction of the sloping bottom of the tray.

In testimony whereof I affix my signature in presence of two witnesses.

ALBERT G. WEDGE.

Witnesses:
EDWARD P. LOTT,
F. G. RUSSELL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."