Feb. 11, 1930. D. A. SULLIVAN ET AL. 1,746,720

ADJUSTABLE TRAY

Original Filed Sept. 3, 1927

Fig. 1.

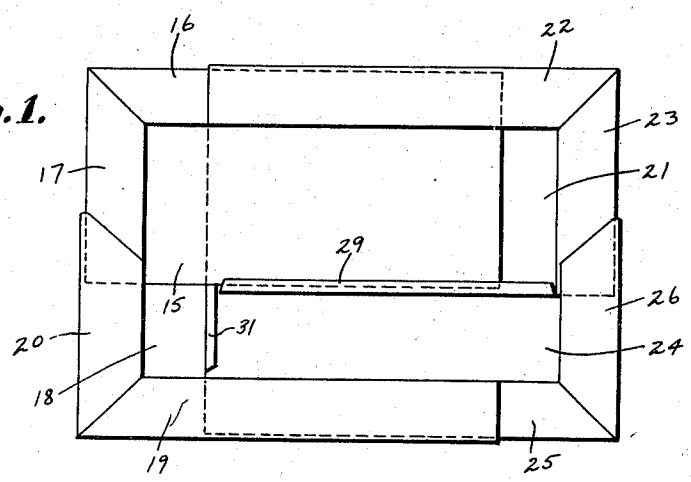


Fig. 2.

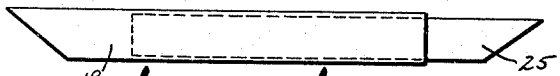


Fig. 3.

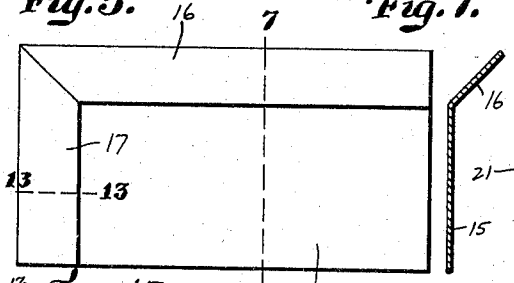


Fig. 7.

Fig. 5.

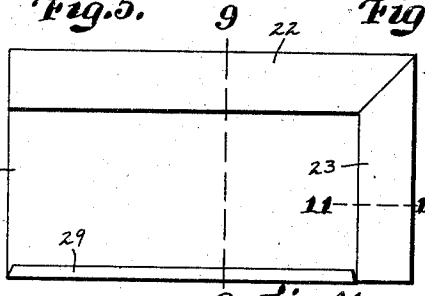


Fig. 9.

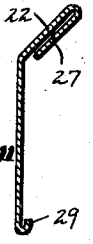


Fig. 13.

9 Fig. 11.



Fig. 4.

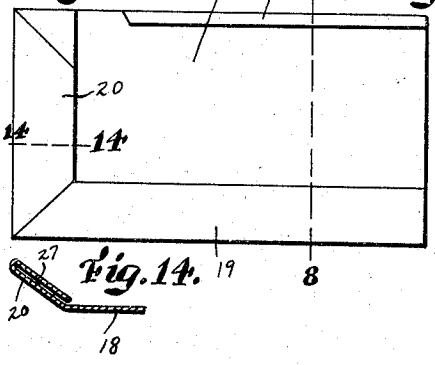


Fig. 8.

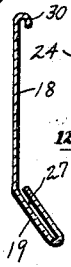


Fig. 6.

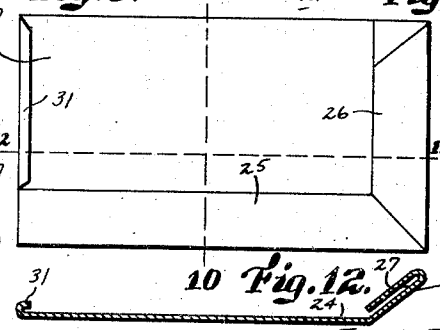


Fig. 10.

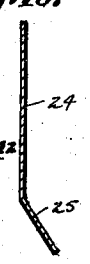


Fig. 12.

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UNITED STATES PATENT OFFICE

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ADJUSTABLE TRAY

Application filed September 3, 1927, Serial No. 217,332. Renewed July 22, 1929.

The object of this invention is to provide a tray adapted to support and display various articles, for example, oranges and other fruits, confectionery, etc., the tray being adjustable both in length and width, so that it may support and display different numbers of oranges, or other articles, in a compact group, the form of which is determined by that of the tray.

Of the accompanying drawings forming a part of this specification:—

Figure 1 is a plan view of an adjustable tray embodying the invention.

Figure 2 is an edge view of the same.

Figures 3, 4, 5 and 6, are plan views, showing the members of the tray separated from each other.

Figure 7 is a section on line 7—7 of Figure 3.

Figure 8 is a section on line 8—8 of Figure 4.

Figure 9 is a section on line 9—9 of Figure 5.

Figure 10 is a section on line 10—10 of Figure 6.

Figure 11 is a section on line 11—11 of Figure 5.

Figure 12 is a section on line 12—12 of Figure 6.

Figure 13 is a section on line 13—13 of Figure 3.

Figure 14 is a section on line 14—14 of Figure 4.

The same reference characters indicate the same parts in all of the figures.

The tray is composed of four sheet metal members, collectively constituting a rectangular bottom and a rectangular telescopic curb of a tray, the width and length of which are variable, said members being shown separately by Figures 3, 4, 5, and 6, and assembled by Figures 1 and 2. The member shown by Figure 3, comprises a flat portion 15, constituting a section of the bottom, and two curb portions 16 and 17, constituting sections of the angular telescopic curb.

The member shown by Figure 4, comprises a flat portion 18, constituting a section of the bottom, and two curb portions 19 and 20, constituting portions of the angular telescopic curb.

The member shown by Figure 5, comprises a flat portion 21, constituting a section of the bottom, and two curb portions 22 and 23, constituting sections of the angular telescopic curb.

The member shown by Figure 6, comprises a flat portion 24, constituting a section of the bottom, and two curb portions 25 and 26, constituting sections of the angular telescopic curb. The curb portions 19, 20, 22 and 26 are folded, as shown by Figures 8, 9, 12 and 14, to form spaces 27 (Figures 8, 9, 12 and 14), formed to receive the curb portions 25, 17, 16 and 23, which are relatively thin and adapted to slide in said spaces, to vary the width and length of the tray. Each of the described members is made from a single blank of sheet metal. The bottom sections contact with and are slidable on each other. To prevent the springing apart of the bottom sections, we provide the section 21 with a folded edge portion 29 (Figures 5 and 9), forming a guide in which an edge portion of the section 15 is slidable, and provide the section 18 with a folded edge portion 30 (Figures 4 and 8), forming a guide in which an edge portion of the section 24 is slidable.

In assembling the several members the two shown detached in Figures 3 and 5 may be connected by causing the curb section 22 to engage the curb section 16 and the bottom section 15 overlapping the bottom section 21 with one edge within the guide 29. Then the members shown detached in Figures 4 and 6 may be interengaged, the curb section 19 receiving the curb section 25 and the bottom section 24 overlapping the bottom section 18 with one edge entering the guide 30.

Thereafter the two pairs of members may be connected, the curb sections 20, 26 receiving the curb sections 17, 23, respectively, and the bottom sections 18, 24 being beneath the bottom sections 15, 21.

The section 24 is provided with a folded edge portion 31 to receive an edge portion of the section 21 (Figures 6 and 12).

The thin curb portions 16, 17, 23 and 25,

may be single thicknesses of sheet metal, or may have two thicknesses closely pressed together, to permit their entrance into the spaces 27.

The members may be inexpensively produced by blanking them from sheet metal, and imparting to them final form by means well known by sheet metal workers.

We claim:

1. A tray for supporting a plurality or group of articles such as pieces of fruit composed of four sheet metal members collectively forming a rectangular shaped sheet metal bottom and a surrounding curb which is inclined outward from the bottom, each member including a section of the bottom and portions of the curb integral with said bottom section and extending lengthwise of two of its marginal edges from one corner thereof, the curb sections of the members being telescopically engaged, whereby the size of the tray may be varied both longitudinally and transversely, to accommodate groups containing different numbers of articles or piles having bases of different areas without breaking the connection between the members.

2. A tray of the character described in the foregoing claim in which one edge of the bottom section of each of two of the members is folded upon said bottom section to form a guide in which an edge of the bottom section of another member may slide.

In testimony whereof we have affixed our signatures.

DANIEL A. SULLIVAN.
HARRY MILLMAN.