M. HIMMELFARB.

SERVING TRAY.

APPLICATION FILED JUNE 7, 1921.

1,416,294. Patented May 16, 1922.

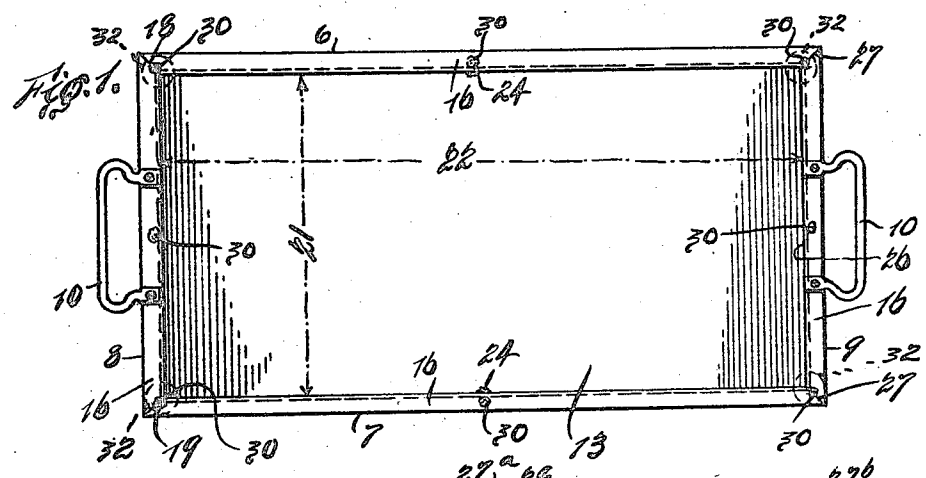


Fig. 1.

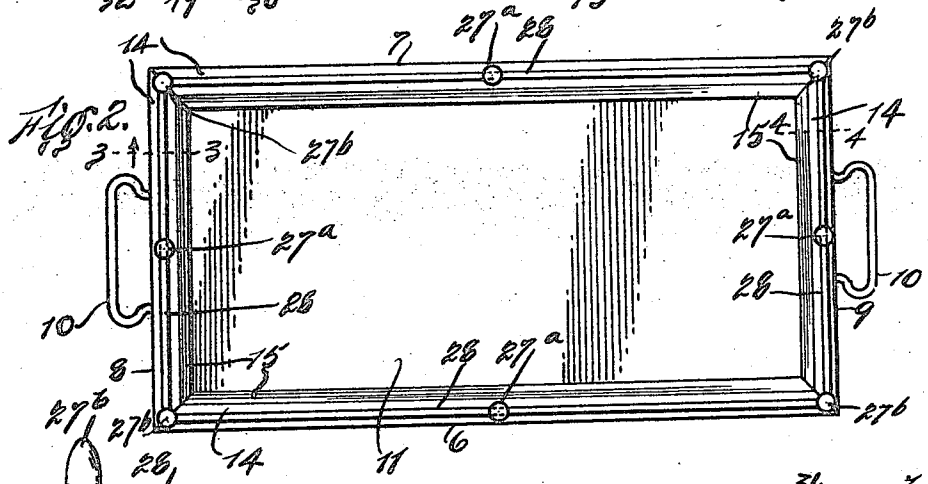


Fig. 2.

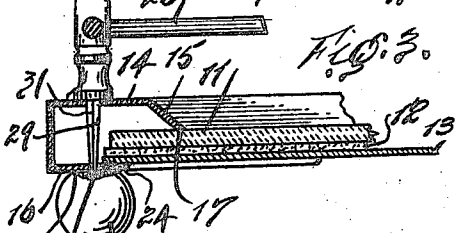


Fig. 3.

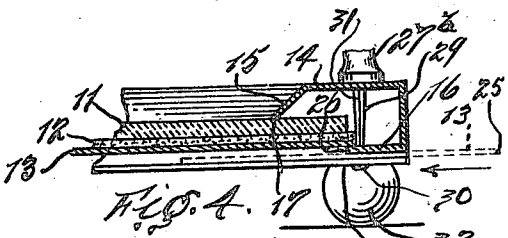


Fig. 4.

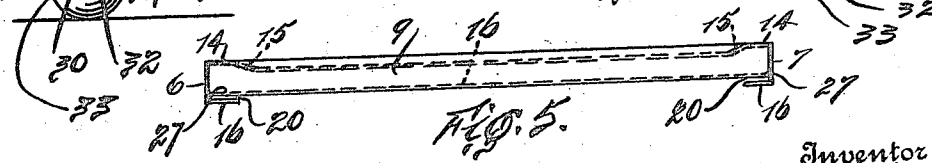


Fig. 5.

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SERVING TRAY.

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To all whom it may concern:

Be it known that I, MAX HIMMELFARB, a resident of Brooklyn, Kings County, State of New York, and a citizen of the United States of America, have invented certain new and useful Improvements in Serving Trays, of which the following is a specification.

This invention relates to improvements in serving trays, one of the objects being to provide a substantial, ornamental as well as an inexpensive tray. To carry out my invention, I have improved the construction of the tray and manner of assembling same. To hold the various parts together, I have resorted to means which obviates the necessity of employing screws or bolts, whereby there will not be any projecting holding elements, nor danger of the parts becoming loose.

I will now proceed to describe my invention in detail, the novel features of which I will point out in the appended claims, reference being had to the accompanying drawing, wherein:—

Fig. 1 is a bottom plan view of my improved tray, the standards being indicated by dotted lines;

Fig. 2 is a top plan view thereof;

Fig. 3 is a fragmentary sectional view, the section being taken on line 3—3 in Fig. 2;

Fig. 4 is a similar view, the section being taken on line 4—4 in Fig. 2, illustrating the placing of the bottom plate in position; and

Fig. 5 is an end view of the tray looking from the right in Fig. 1, the posts and rails being omitted.

My improved tray consists of channeled side-members 6 and 7 and end-members 8 and 9, each of which is provided with a handle 10. The channeled members 6, 7, 8 and 9 are joined together at the corners, preferably by soldering to produce a rectangular frame which carries a glass slab 11 backed by a suitable padding 12, the glass and padding being held in place by a bottom plate 13.

To provide a dish effect, in order that articles will not slip off the tray, I turn the upper flange 14 of each of the members 6, 7, 8 and 9 downwardly, as indicated by 15. The under flange 16 of each frame member is somewhat narrower than the upper flange 14 in order that the glass slab 11 and padding can be placed in the frame through the bottom after which the bottom plate 13 is inserted. Owing to the fact that flange 14 is wider than flange 16 a shoulder is provided against which the glass slab is pressed when plate 13 is placed in the frame, said shoulder being indicated by 17. When the frame members 6, 7, 8 and 9 are assembled, the narrower flange 16 of the end member 9 will not be connected to the adjacent flanges 16 of the side members 6 and 7, that is to say, will not be soldered thereto, but said flanges will be soldered together at the points 18 and 19 (see Fig. 1), the purpose being to allow the bottom plate 13 to be slipped into place by being inserted in the gap 20 between the flange 16 of end member 19 and flanges 16 of the side members 6 and 7. As can be seen in Fig. 1, plate 13 is slightly greater in width than the distance 21 between the edges of the flanges 16 of the side members 6 and 7. It will also be seen that the length of plate 13 is slightly greater than the distance 22 between the edges of the flanges 16 of the end members 8 and 9; consequently, when plate 13 is slipped into place, it will rest upon the inner surface of each flange 16. After the said plate has been slipped into place, it will be soldered to said flanges, as indicated by 24. After the glass slab 11 and its pad 12 have been placed in the frame, plate 13 will be slipped through the gaps 20 and forced toward the opposite end of the frame until its edge 25 (see Fig. 4) clears inner edge 26 of flange 16 of end member 9. After said edge 25 has cleared said edge 26, plate 13 will be forced inwardly, at its edge 25. After said edge 25 has been forced inwardly sufficiently, the plate 13 will be pulled backwardly and slipped under flange 16 of end member 9, after which the ends 27 of the flange 16 of member 9 will be soldered to the adjacent ends of flanges 16 of side members 6 and 7. The tray will preferably be provided with posts 27^a, 27^b carrying rails 28. Each post will be provided with a tapering prong 29 which at its lower end will be soldered to the under flanges 16, as indicated by 30. To insure a rigid connection, I first provide the flanges 14 and 16 with relatively small openings located at the points where the posts 27^a and 27^b are to be positioned; these holes will be much smaller in diameter than the prongs 29. To install the posts and rails, I first place the corner posts 27^b in

position by inserting the sharp edge of the prong thereof in the opening provided in the top flanges 14 and drive them downwardly, which operation will cause the prongs to eat into the metal, said prongs being preferably provided with sharp edges 31. After the posts have been driven home, the lower end of each prong will, as has been stated, be soldered to the flanges 16. After the corner posts have been installed, I place a rail 28 into a post 27^a and bend it slightly, or sufficiently to allow the ends to be inserted in the corner posts 27^b. I then drive the post 27^a downwardly as were posts 27^b, and finally solder it at its lower end to flange 14. Each post 27^a and its rail 28 will be treated in the same manner. After the tray has been fully assembled, it will be firm and will not shake apart. The under side of the tray will be preferably provided with standards, in this instance in the form of spheres 32 flattened at 33 in order that they can be connected to the flanges 14, preferably by soldering. The prongs 29 will act to limit the movement of slab 11 sidewise or endwise.

What I claim and desire to secure by Letters Patent is:—

1. A frame member consisting of a plurality of channeled side and end members, a slab, the bottom flange of one end member being unsecured to the adjacent bottom flanges of the side members when said side and end members are assembled, and a bottom plate beneath the slab insertable between the unsecured bottom flange of the end member and bottom flanges of the side members, said unsecured bottom flange being secured to the adjacent flanges of the side members after the bottom plate has been inserted whereby said bottom plate will be permanently secured in position.

2. In a tray, a slab, a frame member consisting of a plurality of channeled side and end members, the bottom flange of one end member being located in a higher plane than the bottom flanges of the other channeled frame members whereby a space between the bottom flanges of the side members and flange of the end member, which is located in the higher plane, will be provided, a bottom plate insertable through said opening arranged to be slipped onto the upper surfaces of the bottom flanges which are located in the lower plane and to be moved along said flanges until the end thereof adjacent the bottom flange in the lower plane can be placed upon same, the flange in the lower plane being soldered to the flanges in the higher plane after the bottom plate has been inserted and means for holding the slab and plate in the channel member.

3. In a tray, a frame consisting of channeled side and end members, the top flange of each member being wider than the bottom flanges thereof to provide a shoulder, a slab held by the frame and resting against said shoulder, said slab being insertable through the opening in the bottom of the frame, a plate located between the bottom of the slab and the inner surface of the flanges on the bottom of the frame, said top flanges being bent downwardly or toward the bottom flange to produce a dished effect and means for holding the plate and slab within the channeled members.

In testimony whereof I hereunto affix my signature.

MAX HIMMELFARB.