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BAKER'S TRAY

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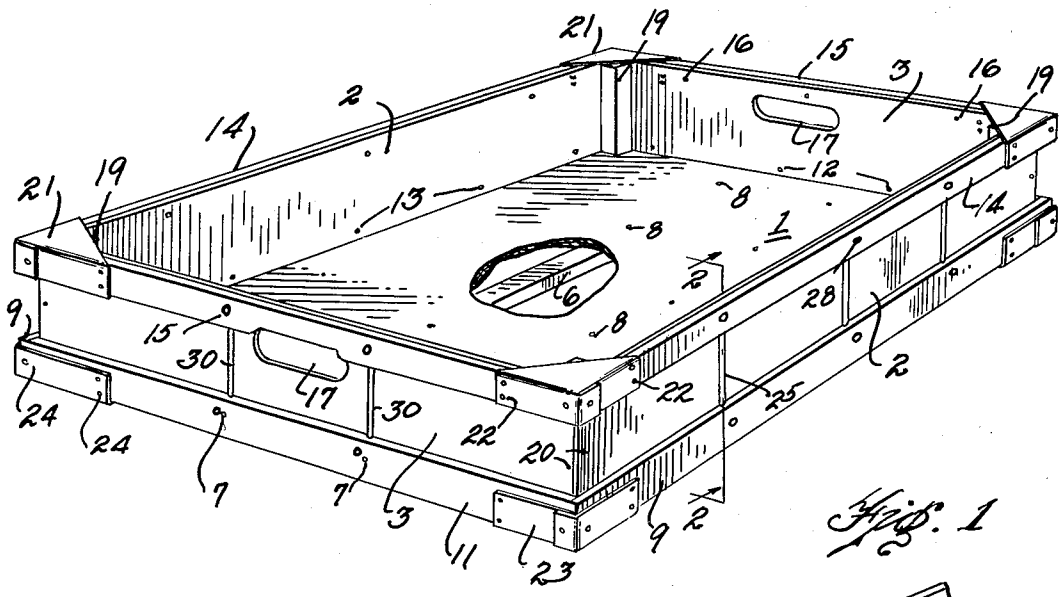
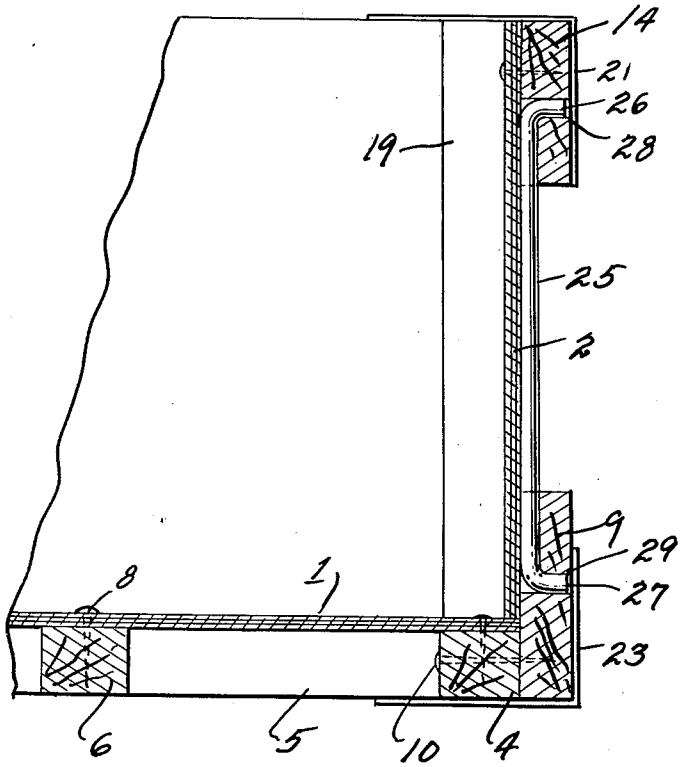


Fig. 1



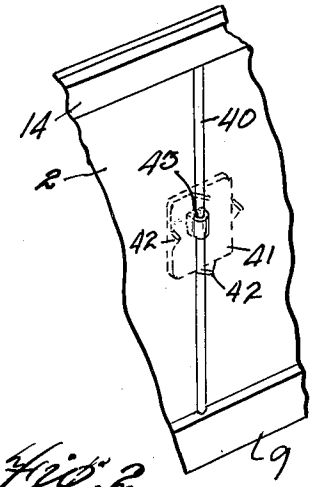


Fig. 2

Fig. 3

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BAKER'S TRAY

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6 Claims. (Cl. 217—5)

This invention relates to wooden trays and more particularly to that type of tray as used for carrying pastries in delivery trucks.

An object of the invention is to provide a tray of relatively large size which will be light in weight and rigid in construction.

Another object of the invention is to provide a wooden tray in which the four sides and the bottom are made of veneer wood and the top and lower edges of the sides are provided with wooden reinforcing strips and these held together by tie rods so that any strain is taken from the veneer sides.

These objects and the several novel features of the invention are hereinafter more fully described and claimed and the preferred form of construction by which these objects are attained is shown in the accompanying drawing in which—

Fig. 1 is a perspective view of my improved tray.

Fig. 2 is an enlarged section taken on line 2—2 of Fig. 1.

Fig. 3 is a detail view of a modified form of construction showing a reinforcing member for the tie rod.

Referring now to the drawing it will be seen that the bottom 1 of the tray, the sides 2 and the ends 3 are made preferably of three-ply veneer wood. The bottom 1 is nailed to the side strips 4 and the end strips 5, the same forming a rectangular frame, the outer dimensions of which are the same as the dimensions of the bottom of the tray.

The longitudinally extending strips 6 are nailed to the end strips 5 as indicated at 7 and the bottom 1 is in turn nailed to the strips 6 as indicated at 8. The reinforcing strips 9 extend along the sides 2 of the tray and at the lower edge thereof and are nailed to the strips 4 as indicated at 10. The wood reinforcing strips 11 extend along the ends of the tray and at the lower edge thereof and are nailed to the end strips 5 as indicated at 12.

It will be seen that the nails 7 also extend through the end strips 11 as well as the end strips 5. The sides 2 of the tray are nailed to the strips 9 as indicated at 13. The wood reinforcing strips 14 are nailed to the sides 2, the upper edge of the same being flush with the upper edge of the sides of the tray while the ends 3 of the tray have the strips 15 nailed to the upper edge thereof as indicated at 16. Suitable hand holds 17 are provided in the ends 3 of the tray for permitting the same to be easily lifted. Suitable posts 19 are inserted in the inner corners of the tray and are nailed to the sides 2 and the ends 3, as indicated at 20. The upper corners of the tray are provided with the sheet metal reinforcing pieces 21, the same being nailed to the strips 14 and 15, as indicated at 22. The lower corners of the tray are provided with the reinforcing pieces or wear plates 23 the same being nailed to the strips 9 and 11 as indicated at 24.

By referring to Fig. 2 it will be seen that the rods or wires 25 are provided at their ends with the outturned portions 26 and 27, the ends 26 being inserted in the apertures 28 provided in the strips 14 while the ends 27 are inserted in the apertures 29 provided in the strips 9. The end strips 11 and 15 will likewise be provided with apertures for receiving the outturned ends of the wires or rods 30, the same being identical with the rods 25. It will thus be seen that any strain exerted upon the top of bottom edge of the tray will be taken up by the rods 25 and 30.

In assembling the tray the bottom 1 will first be nailed to the strips 4, 5 and 6. The wires 25 will have their outturned ends inserted in the recesses provided respectively in the strips 9 and 14 and the sides 2 will then be nailed to the said strip. The ends of the tray will be assembled in like manner, the outturned ends of the wires 30 being assembled in the recesses provided in the strips 11 and 15 and the ends 3 then being nailed to the said strips. The sides 2 will then be nailed to the strips 4 while the ends 3 will be nailed to the strips 5 and then both the sides and the ends will be nailed to the corner posts 19. The metal reinforcing pieces 21 and 23 will then be nailed respectively to the upper and lower side and end strips and the tray will then be ready for use.

When it is desired to make a tray of considerable depth it is desirable to reinforce the wire extending between the upper strip 14 and the lower strip 9 and, as shown in Fig. 3, an aperture is provided in the panel 2 and a portion 43 is struck out from the plate 41 and extends through the aperture in the panel and closely encircles the rod 40. If desired the struck out portion 43 may then be welded to the rod 40. The plate 41 is provided with a plurality of inturned tongues 42 and may be driven into the side panel 2.

From the foregoing description it becomes evident that I have provided a tray of relatively large size which will be fairly light in weight allowing the same to be easily handled but which will be exceedingly strong and due to the fact that the rods connect the reinforcing strips and also that the corners are provided with metal

reinforcing pieces no weaving or twisting can take place in the tray.

Having thus fully described my invention, its utility and mode of operation, what I claim and desire to secure by Letters Patent of the United States is—

1. A tray consisting of a rectangular frame, a bottom portion resting upon said frame, side and end panels resting on said bottom portion, reinforcing strips secured respectively to the top and bottom edges of said side and end panels, tie rods connected to the upper and lower reinforcing strips, and reinforcing means for the tie rods secured to the side and end panels and positioned between the upper and lower reinforcing strip.

2. A tray having an open top comprising a bottom frame of the desired peripheral shape, a panel member providing a bottom covering the frame the edges of which terminate flush with the outer peripheral face thereof, a peripheral wall of panel like form, the outer face of which is practically flush with the said peripheral outer face of the bottom frame, reinforcing members secured to the outer peripheral face of the bottom frame and extending thereabove providing a support for the bottom edge of the side wall, a second reinforcing member extending about the upper end of the peripheral side wall on the exterior face thereof and flush with the upper edge thereof, triangular metal corner plates extending across the upper edge of the upper reinforcing member and over the outer side faces thereof and a similar series of metal corner plates extending across the bottom edge and over the outer side faces of the bottom reinforcing member, and a series of metal tie members extending vertically between and secured to the said reinforcing members to relieve the side wall of strain tending to be imposed thereon in handling the tray by the upper reinforcing member.

3. A receptacle having an open top comprising a wooden bottom frame of rectangular form, a wood panel member providing a bottom covering the frame and terminating practically flush with the outer peripheral face thereof, wooden side and end walls of panel like form, the outer faces of which are practically flush with the respective portion of the outer face of the bottom frame member, a wooden reinforcing member extending about and secured to the bottom frame and covering the bottom edge of the side and end panels to support the same, and a second wooden reinforcing member extending about and positioned approximately flush with the upper end of the side and end walls on the exterior face thereof, said end walls each having an elongated aperture just beneath the respective portion of the upper reinforcing member whereby the same may be used as a handhold, and a series of vertical metal members secured at opposite ends to the reinforcing members and lying in contact with the side and end panels to support the same from outward deflection between the reinforcing members and further providing a means to relieve the vertical panels of strains imposed thereon in handling the tray.

4. A receptacle or the like having an open top comprising a bottom frame of rectangular form, a panel member of plywood providing a bottom cover for the frame and terminating practically flush with the outer peripheral face thereof, side and end walls of plywood providing panels, the bottom edges of which engage the bottom panel and the outer faces of which are practically flush with the respective portions of the outer face of the bottom frame member, a wood reinforcing member extending about the outer face of the bottom frame flush with the bottom face thereof and extending above the bottom frame and bottom edge of the side and end panels providing a support therefor, a second reinforcing member extending about the outer side and upper end of the side and end walls practically flush with the upper ends of the said walls, a corner post in the interior corners formed by the side and end walls, a series of vertical tie rods in spaced relation extending between the reinforcing members to relieve the panels of strain in handling the tray by using the upper reinforcing member as a handhold, and metal corner plates extending across the upper ends of the corner posts and secured to the upper reinforcing member each way from the corner, and a similar metal corner plate at each of the bottom corners and secured to the bottom reinforcing members.

5. A wooden receptacle consisting of a rectangular frame, a bottom panel supported on the upper face of the frame, side and end panels having the lower edges engaging the bottom portion, a reinforcing strip secured to the top edge of the side and end panels, a reinforcing strip secured to the bottom frame and bottom edges of the said side and end panels, metal tie rods lying in contact on the outer face of the side and end panels and having end portions respectively secured to the upper and lower reinforcing strips, and a metal reinforcing plate for each tie rod secured on the inner face of the respective panel and having a struck out portion extending through the panel and about the respective tie rod.

6. A wooden receptacle having an open top comprising top and bottom peripheral frame members, a bottom member, side walls of thin or flexible wood supported by the frame members, and a series of metal tie rods extending vertically between and secured to the top and bottom frame members between said members and the side and end walls to relieve the side walls of strain imposed thereon in handling and lying in contact with said walls between the frame members to support the same against internal pressure.

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