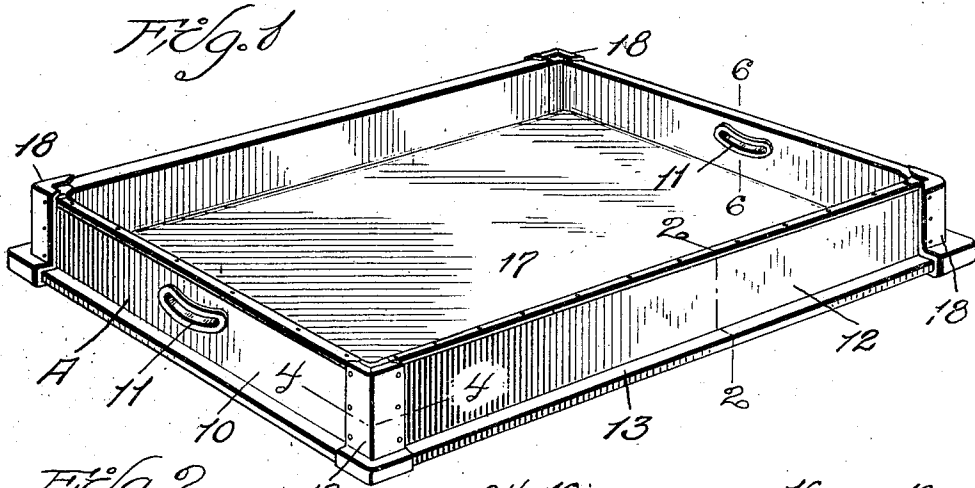
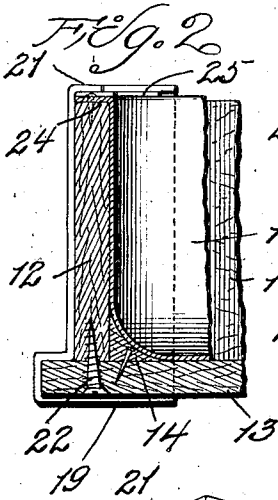
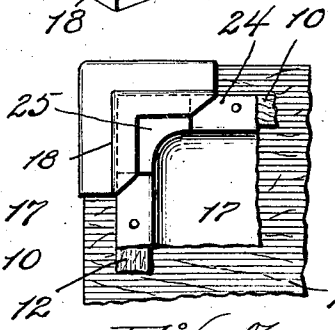
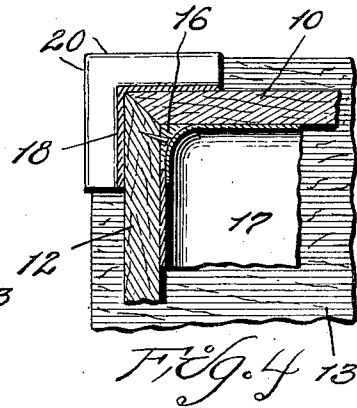
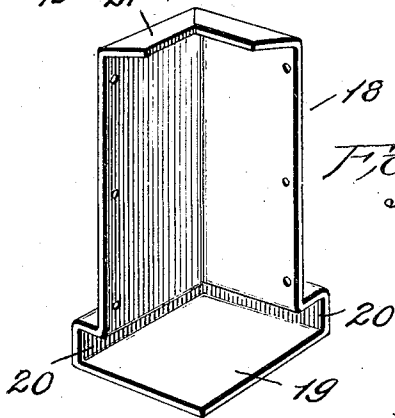
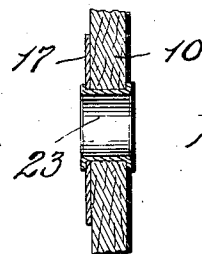


Jan. 9, 1923.

1,441,393

E. A. BENISH.  
CARRYING TRAY.  
FILED OCT. 27, 1921.



INVENTOR  
EDWARD A. BENISH,  
by James L. Hopkins ATTORNEY.

## UNITED STATES PATENT OFFICE.

EDWARD A. BENISH, OF ST. LOUIS, MISSOURI.

## CARRYING TRAY.

Application filed October 27, 1921. Serial No. 510,838.

*To all whom it may concern:*

Be it known that I, EDWARD A. BENISH, a citizen of the United States, residing at St. Louis, State of Missouri, have invented certain new and useful Improvements in Carrying Trays, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to improvements in carrying trays and has for its object to provide a tray for hotel and restaurant purposes having a lining impervious to moisture and whose corners are rounded to facilitate cleansing, the tray being formed with exterior corner reinforce members and as a whole being facile of construction and having large carrying capacity with a minimum of weight in the tray itself.

*Drawings.*

Fig. 1 is a perspective view of a tray embodying my invention.

Fig. 2 is a fragmental sectional elevation of the same taken on the line 2—2 of Fig. 1.

Fig. 3 is a plan view showing the construction of one corner of the tray.

Fig. 4 is a sectional plan view taken on the line 4—4 of Fig. 1.

Fig. 5 is a perspective view of the corner reinforce employed in my invention.

Fig. 6 is a vertical sectional elevation of the handhold employed in my invention.

*Description.*

In the tray of my invention I employ a rigid body composed of a rectangular frame A, comprising end members 10 having handhold openings 11 and side members 12, said frame A having a rectangular bottom 13 of slightly greater length and width than the frame A, and detachably secured to said frame A by screws 22.

Said frame A is provided at its inner angles with horizontal rounding strips 14 and 15 and vertical strips 16, all of said strips being so contoured on their outer faces as to form a support for the rounded corners of the metallic moisture-proof lining 17.

The corners of the frame A are provided with the reinforce element 18 formed as shown to afford a flange or base-plate 19 beneath the bottom 13 and channels 20—20 (to receive a corner of the bottom 13), the element 18 having a top flange 21 to rest upon the top of the frame A at one of the corners

of said frame A. The reinforce elements 18 are interchangeable and readily removed from the frame A and bottom 18 for purposes of replacement and repair.

I am aware that trays having the general dimensions and carrying functions of the tray of my invention have been made heretofore, and my invention therefore resides in the described construction by which with a minimum weight of material I attain strength and rigidity, with facility for cleanliness. The trays of this class are subjected to severe usage and to the carriage of weight greatly in excess of the weight of the tray itself. An all-metal tray being susceptible to buckling under its load unless the tray itself is objectionably heavy, and non-metallic trays being both too bulky and too heavy for practical use if made strong enough to carry the necessary load. A purpose of the present invention is to combine the rigidity of a comparatively light non-metallic frame with the imperviousness and strength of a moisture-proof lining; as well as to provide (by rounding the inner corners) for facile washing, and to provide the readily removable and replaceable corner reinforce members above described to facilitate repairs.

The handhold openings 11 are provided with the metallic lining 23 as shown in Fig. 6. The lining sheet 17 is preferably provided with the flange 24 surmounting the frame A and detachably fastened upon said frame A, and at the corners of said sheet 17, gussets 25 (integral with said flange 24) are provided to the end of stiffening and reinforcing the corner construction, as shown in Fig. 3.

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

As a new article of manufacture a carrying tray comprising a non-metallic frame; a non-metallic bottom detachably secured to said frame; horizontal and vertical rounding strips mounted in the inner angles of said tray; a moisture-proof lining within said tray and having a flange surmounting said frame; and reinforce elements embracing the corners of said frame, bottom and lining, substantially as described.

In testimony whereof I hereunto affix my signature.

EDWARD A. BENISH.