Oct. 23, 1923. 1,471,931

H. R. TROUT

ADJUSTABLE WASHTRAY LEG

Filed Feb. 15, 1921

FIG. I.

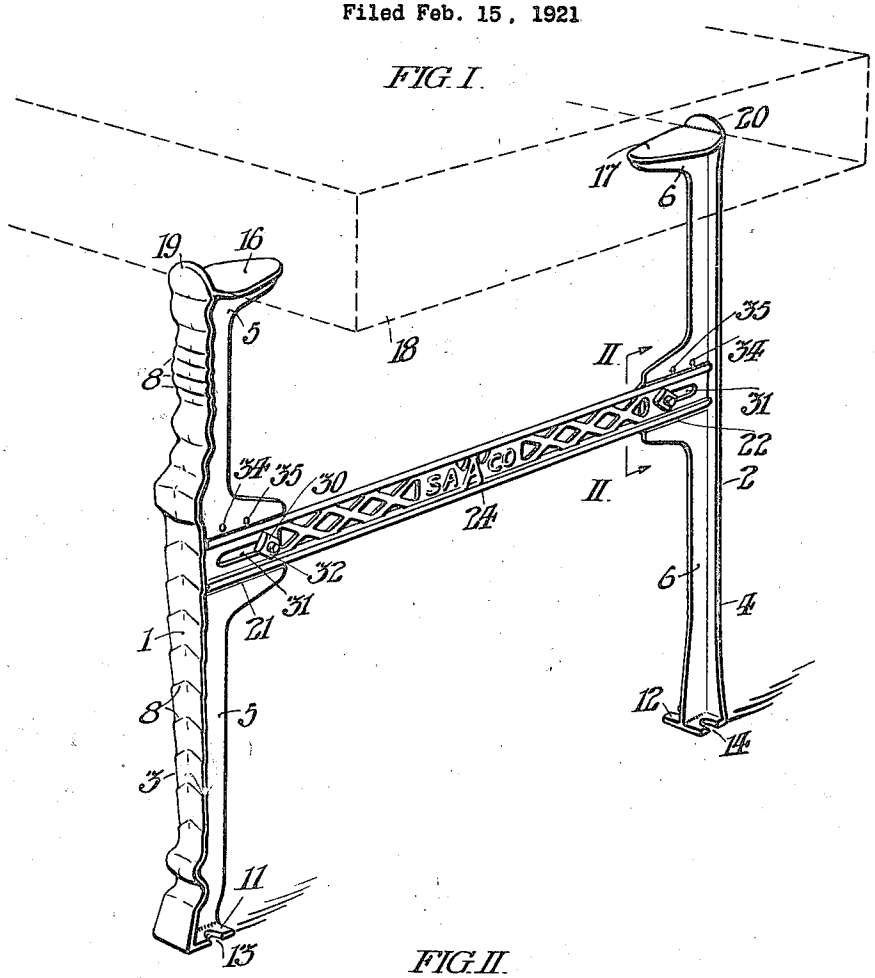
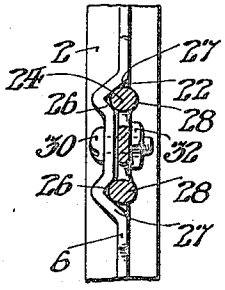


FIG. II.



INVENTOR:
HARRY R. TROUT,
by Arthur E. Paige,
Attorney.

Patented Oct. 23, 1923. 1,471,931

UNITED STATES PATENT OFFICE.

HARRY R. TROUT, OF POTTSTOWN, PENNSYLVANIA.

ADJUSTABLE WASHTRAY LEG.

Application filed February 15, 1921. Serial No. 445,116.

To all whom it may concern:

Be it known that I, HARRY R. TROUT, a citizen of the United States, residing at Pottstown, in the county of Montgomery and State of Pennsylvania, have invented a certain new and useful Improvement in Adjustable Washtray Legs, whereof the following is a specification, reference being had to the accompanying drawing.

My invention relates to plumbing fixtures adapted to support trays to hold water to permit articles to be washed therein. The form of my invention which I have chosen for illustration is adapted to support such trays of the general character of kitchen sinks in that they are, generally speaking, quadrangular, with substantially flat bottoms and have sides extending in approximately parallel relation. Ordinarily, the legs for such trays are formed of single castings, of different sizes corresponding with the standard widths of such trays, for instance, sixteen, seventeen and eighteen inches wide; such different sizes of castings being required because the legs have upwardly extending flanges to embrace the opposite sides of the trays and prevent the accidental dislodgement thereof. Such construction and arrangement have the disadvantages that the plumber must either keep all sizes in stock or delay the work of installing such trays until legs of the precise size required are procured from a jobber or manufacturer and, as the castings which form such supports are comparatively thin, they must be securely packed for transportation, and the packing cases must be very large in comparison with the weight of the castings.

Therefore, it is the object and effect of my invention to provide such a support composed of sections which are not only separable so that they may be dissembled and disposed compactly for transportation in much less space than the ordinary legs aforesaid, but may be adjustably assembled to uphold trays of different widths.

As hereinafter described, my invention includes such a separable and adjustable support comprising primarily independent front and rear standards, each having a foot flange with openings for attaching means by which the support may be secured upon a floor, and each having a substantially flat top, upon which a tray may rest, and a stop flange, projecting upwardly from said top, to engage the opposite sides of the tray; each of said standards also having, intermediate of its height, a recess to receive a cross bar, and a screw bolt to hold such cross bar in said recess. Said structure also includes a cross bar, primarily independent of both of said standards, but having its opposite ends fitted for rigid engagement in said standard recesses, and a slot at each end extending parallel with the length of the bar, to receive said bolts. As hereinafter more specifically explained; the walls of said recesses in the standards are in a certain angular relation to have a wedging effect upon the opposite edges of the cross bar, so as to facilitate the rigid connection of said bar with said standards.

My invention includes the various novel features of construction and arrangement hereinafter more definitely specified.

In said drawing: Fig. I is a perspective view of an adjustable wash tray leg, conveniently embodying my improvement; the relative position of the tray with respect thereto being indicated by dash lines.

Fig. II is a fragmentary vertical sectional view taken on the line II, II in Fig. I.

In said figures the front standard 1 and rear standard 2 are substantially oppositely counterpart; each being approximately T-shaped in horizontal cross section; the outer vertical laterally extending flanges 3 and 4 thereof being reinforced by central vertically extending webs 5 and 6.

As indicated in Fig. I; the flanged front 3 of said standard 1 is preferably provided with ornamental grooves 8 to relieve its otherwise plain surface. However, as such ornamentation is costly to include in the pattern and renders the castings more difficult to mold, it may be omitted from the rear standard 2, and the latter made plain as indicated.

However, said standards 1 and 2 have substantially similar feet 11 and 12 with notches 13 and 14, or other suitable openings for attaching means, such as screws, whereby said standards may be retained in predetermined position upon the floor.

Moreover, said standards 1 and 2 have similar substantially flat tops 16 and 17 adapted to support the bottom of the wash tray 18, and said standards 1 and 2 have respective upwardly extending stop flanges 19 and 20 which embrace the respectively opposite sides of said tray 18, and prevent accidental displacement of said tray.

Said standards 1 and 2 also have similar and alined recesses 21 and 22 in their respective webs 5 and 6 to receive the opposite ends of the cross connecting bar 24. As best indicated in Fig. II, which shows the recess 22 in said rear standard 2; the walls 26 and 27 of said recesses 21 and 22 extend obliquely to the generally vertical plane of said standards and are in such converged angular relation as to form two horizontally straight and parallel angle channels which respectively fit and have a wedging effect upon the horizontally straight and parallel top and bottom wedging beads 28 of said cross bar 24 when the latter is drawn therein by the screws 30 extending through the slots 31 in said cross bar 24 in engagement with their respective nuts 32. Said slots 31 are formed, in horizontal alinement, in the vertical plane web of said bar between said wedging beads 28, which have rounded surfaces to engage each of said walls 26 and 27, as shown in Fig. II.

In the form shown in Fig. I; the cross bar 24 is provided with slots 31 permitting adjustment of said standards 1 and 2 with respect to said cross bar so as to be adjustably fitted to trays 18 which are of different sizes; for instance, respectively sixteen, seventeen and eighteen inches wide, between said stop flanges 19 and 20 upon the respective standards 1 and 2.

In this connection; it may be observed that this invention has the further advantage that, whereas it is impossible to precisely fit the ordinary single piece cast legs aforesaid to any commercial wash tray, because of slight irregularities in the actual widths of such trays; the adjustable construction of my invention aforesaid permits the plumber to accurately fit the tray support to the individual tray, regardless of irregularities in the dimensions of the latter. However, I find it convenient to provide said standards 1 and 2 with corresponding gauge index means in cooperative relation with said bar 24, for instance, the projections 34 and 35, one-half inch apart, to facilitate the assembling of the supports aforesaid with the standards 1 and 2 in symmetrical relation with their connecting cross bar 24. Of course, said webs 5 and 6 might be provided with grooves or other index means instead of said projections 34 and 35 to gauge the adjustment of the cross bar with respect thereto.

It may be observed that when a support constructed in accordance with my invention is dissembled; it may be packed, for transportation, in a space of substantially one-fourth the cubical area required to contain it when in assembled position. In other words; such construction has the advantage that at least four such supports may be transported in a packing case of the size required to transport one of the ordinary commercial unitary wash tray legs.

I do not desire to limit myself to the precise details of construction and arrangement herein set forth, as it is obvious that various modifications may be made therein without departing from the essential features of my invention, as defined in the appended claims.

I claim:

1. In a wash tray leg, the combination with separable front and rear standards, each having a foot, a substantially flat top with upwardly extending stop flange, and recesses with opposite plane walls in converging relation; of a cross bar having means at each end fitted to wedge in said recesses and having slots extending in the direction of the length of said cross bar; and screw bolts extending through said standards at their recesses, and through said cross bar slots, adjustably clamping said cross bar in rigid relation with said standards.

2. In a wash tray leg, the combination with separable front and rear standards, each having recesses with opposite plane walls in converging relation; of a cross bar having means at each end fitted to wedge in said recesses and having slots extending in the direction of the length of said cross bar; and screw means extending through said cross bar slots, adjustably clamping said cross bar in rigid relation with said standards.

3. In a wash tray leg, the combination with separable front and rear standards; of a cross bar connecting said standards in rigidly wedged relation; said bar having rounded parallel wedging beads at opposite horizontal edges, connected by a vertical plane web including slots for clamping means; and clamping means extending through said slots; whereby said standards may be rigidly connected, a variable distance apart, to support different sizes of wash trays.

In testimony whereof, I have hereunto signed my name at Linfield, Pennsylvania, this eleventh day of February, 1921.

HARRY R. TROUT.

Witnesses:
HARVEY D. RITTER,
FRANK B. LEIGHTON.