Dec. 13, 1949 W. EMERSON 2,490,790

TRASH COLLECTION BOX

Filed Sept. 23, 1946 2 Sheets-Sheet 1

Fig. 1.

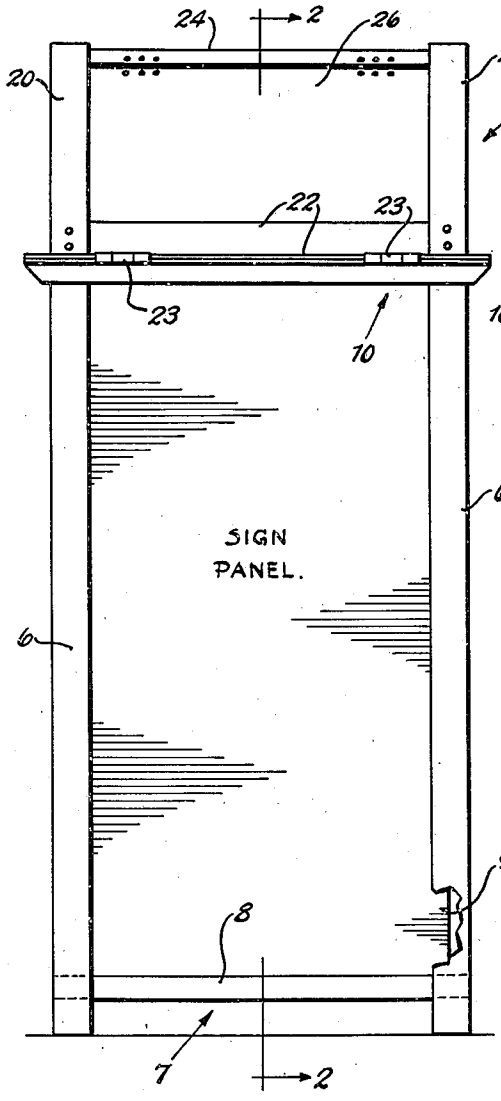
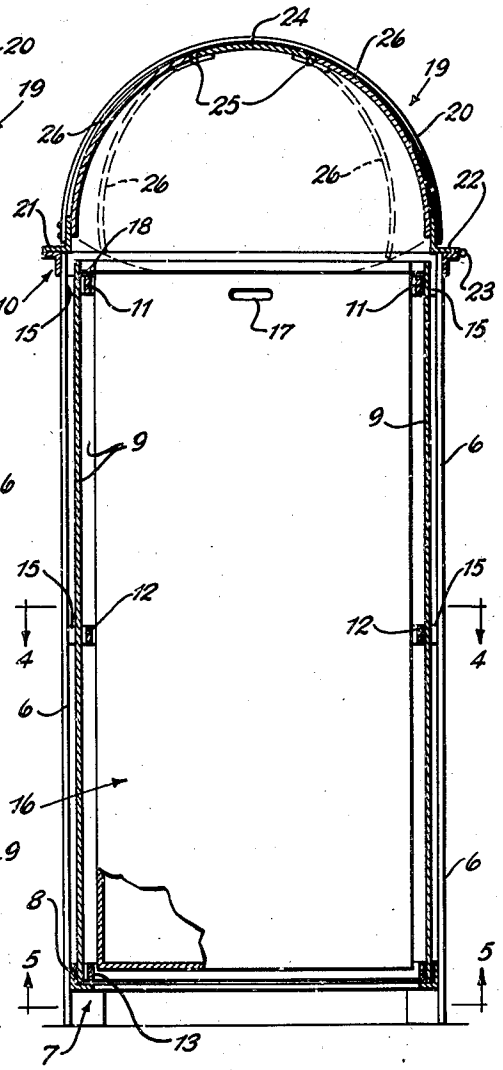


Fig. 2.



Inventor

Wes Emerson.

By Clarence A. O'Brien and Harvey B. Jacobson

Attorneys

Dec. 13, 1949 W. EMERSON 2,490,790

TRASH COLLECTION BOX

Filed Sept. 23, 1946 2 Sheets-Sheet 2

Fig. 3.

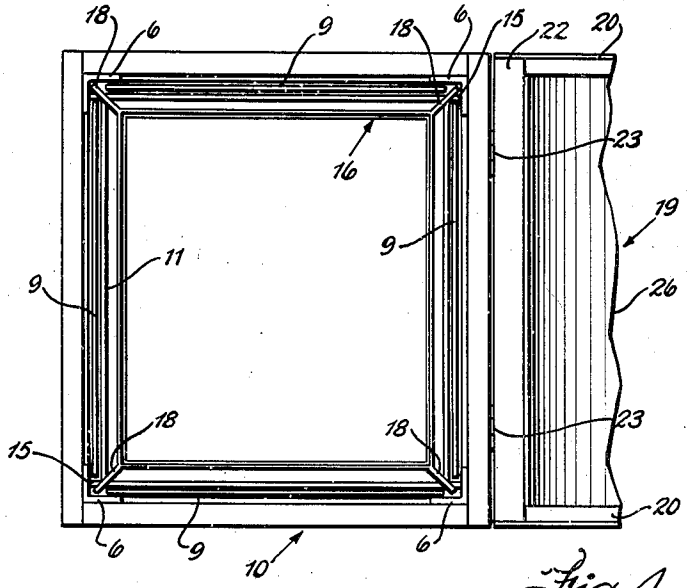


Fig. 4.

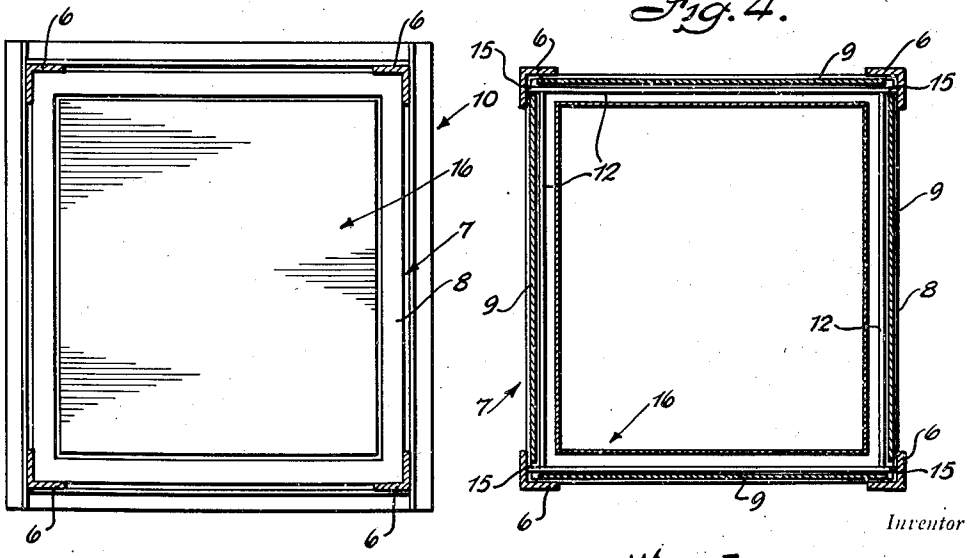


Fig. 5.

Inventor

Wes Emerson.

By Clarence A. O'Brien and Harvey B. Jacobson

Attorneys

Patented Dec. 13, 1949

2,490,790

UNITED STATES PATENT OFFICE

2,490,790

TRASH COLLECTION BOX

Wes Emerson, Susanville, Calif.

Application September 23, 1946, Serial No. 698,603

2 Claims. (Cl. 220—1)

1

The present invention relates to certain new and useful improvements in trash and refuse depositing and collection boxes such as are commonly used on city and town corners for convenience of the general public.

An object of the invention is to structurally, functionally and otherwise improve upon known types of so-called trash boxes, one of the improvements having to do with a structure characterized by a readily insertable and removable can or box provided for expeditious handling.

Another object of the invention has to do with the adoption and use of readily insertable, removable and interchangeable wall-forming panels, said panels being painted and otherwise decorated to serve as advertising signs for commodities, merchandise, public events and the like.

More specifically, novelty is predicated upon the particular construction of the framework, this being such as to lend itself adaptable for accommodation of the removable sign panels and removable receptacle or box.

Other objects, features and advantages of the invention will become more readily apparent from the following description and the accompanying illustrative drawings.

In the drawings, wherein like numerals are employed to designate like parts throughout the views:

Figure 1 is an elevational view of a trash collection box constructed in accordance with the specific principles of the instant invention.

Figure 2 is a central vertical sectional view on the line 2—2 of Figure 1, looking in the direction of the arrows, the removable box or receptacle being shown almost wholly in elevation.

Figure 3 is a top plan view showing the cover broken away and swung to open position to expose the details of construction therebeneath.

Figures 4 and 5 are sections on the lines 4—4 and 5—5 of Figure 2, looking in the direction of the respective sets of arrows.

Referring now to the drawings by distinguishing reference numerals, it will be seen that the main skeleton frame structure is characterized by four vertical angle irons 6 functioning as uprights as well as legs. At the bottom of this leg assembly, I provide a substantially square frame denoted generally by the numeral 7, the same being made up of angle irons 8 and such frame being positioned inwardly of the vertical angle irons 6 and secured thereto at respective corner portions. This serves to assemble the lower portion of the structure and also provides substantial means for supporting the lower ends of the

2

wall forming insertable and removable sign panels 9. One panel is provided for each side of the box, as is obvious. The upper ends of the vertical angle irons 6 are surrounded by and secured to an exteriorly arranged and suitably fastened top frame 10. This frame, like the frame 7, is horizontally disposed, the frame 7 being on the inside of the overall framework, and the frame 10 being on the outside thereof.

At this stage, I direct attention to Figure 2 which shows three interior brace frames, the upper one being denoted by the numeral 11, the intermediate one at 12, and the lower one at 13. These frames are likewise square in top plan view and the corner portions are provided with outstanding lugs 15 secured to the uprights 6. It will be seen in Figure 2 that the brace frames 11, 12 and 13 are spaced inwardly of said uprights 6 and serve as guides and retaining units for the insertable and removable sign panels 9. Thus, the sign panels are held against outward and downward displacement by the bottom frame 7 and cooperating uprights 6, and are held against falling inwardly by the bands or frames 11, 12 and 13. These same parts 11, 12 and 13 surround the insertable and removable receptacle or trash box 16. Incidentally, the upper portion of the box is provided with suitable hand-holes 17. Also, the upper mouth or rim portion is provided with outstanding corner disposed lugs 18 which constitute hangers and which rest on the uppermost brace frame 11.

A hood-like cover is provided, the same denoted, generally speaking, by the numeral 19. This comprises a pair of longitudinally bowed or arched end members 20 connected with horizontal frame members 21 and 22. The frame members 21 and 22 sit on the outstanding flange of the upper embracing frame 10 and the frame member 22 is hingedly mounted in place as at 23 to permit the cover to be swung to open position, as illustrated in Figure 3. The cover should swing completely open to expose the entire top portion of the structure to permit insertion and removal of the box 16 as well as the sign panels. The crown portion 24 of the hood or cover is rigidly mounted in place and serves to accommodate spring hinges 25 which, in turn, provide suitable attaching devices for the inwardly and outwardly swingable doors or lids 26. Incidentally, the lower, free-swingable edges of the lids 26 contact the upstanding vertical flanges of the members 21 and 22, this to limit the outward swinging of said lids.

In view of the foregoing description taken in

conjunction with the accompanying drawings, it is believed that a clear understanding of the construction, operation and advantages of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though I have herein shown and described a preferred embodiment of my invention that the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and within the scope of the appended claims.

I claim:

1. In a trash collection box construction of the class described, a horizontally disposed bottom frame, said frame being rectangular, horizontally disposed and made up of angle irons with the horizontal flange directed inwardly to function as a ledge, a plurality of vertical angle irons attached exteriorly to the corner portions of said bottom frame and extending below the frame and forming supporting legs and also extending well above the plane of said bottom frame, an interior top frame of rectangular form disposed in horizontal parallelism about the first-named frame and having outstanding lugs at its corner portions attached to the upper ends of said vertical angle irons, a top second frame exteriorly surrounding and attached to the upper ends of said angle irons and having an outstanding horizontally disposed attaching flange, cover means supported on and hingedly attached to said outstanding flange, a lower horizontal bracing frame situated within the confines of said bottom frame and having corner lugs attached to corner portions of said bottom frame, the portions of said bottom frame being spaced inwardly from the corresponding portions of said first-named frame, and insertable and removable vertically located sign panels, said sign panels being situated inwardly of said bottom and second-named top frames, inwardly of said vertical angle irons and outwardly and surrounding said bracing frames.

2. In a trash collection box construction of the class described, a horizontally disposed bottom frame, said frame being rectangular, horizontally

disposed and made up of angle irons with the horizontal flange directed inwardly to function as a ledge, a plurality of vertical angle irons attached exteriorly to the corner portions of said bottom frame and extending below the frame and forming supporting legs and also extending well above the plane of said frame, an interior top frame of rectangular form disposed in horizontal parallelism about the first-named frame and having outstanding lugs at its corner portions attached to the upper ends of said vertical angle irons, an outside top frame exteriorly surrounding and attached to the upper ends of said angle irons and having an outstanding horizontally disposed attaching flange, cover means supported on and hingedly attached to said outstanding flange, a lower horizontal bracing frame situated within the confines of said bottom frame and having corner lugs attached to corner portions of said bottom frame, the portions of said bottom frame being spaced inwardly from the corresponding portions of said first-named frame, and insertable and removable vertically located sign panels, said sign panels being situated inwardly of said bottom and outside top frames, inwardly of said vertical angle irons and outwardly and surrounding said bracing frames, and a vertically elongated trash box having its lower portion situated within the confines of the bottom bracing frame, having its upper portion situated within the confines of the upper bracing frame and provided with outstanding lugs sitting and suspended on said upper bracing frame, said trash box being enclosed and concealed by said sign panels.

WES EMERSON.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,108,066	Cooke et al.	Aug. 18, 1914
1,424,520	Richardson et al.	Aug. 1, 1922
1,478,884	Becker	Dec. 25, 1923
1,558,128	Walsh	Oct. 20, 1925