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1,562,089

W. V. HOLLEY

DETACHABLE FRAME FOR SERVICE WAGONS

Filed March 9, 1920

Fig. 1.

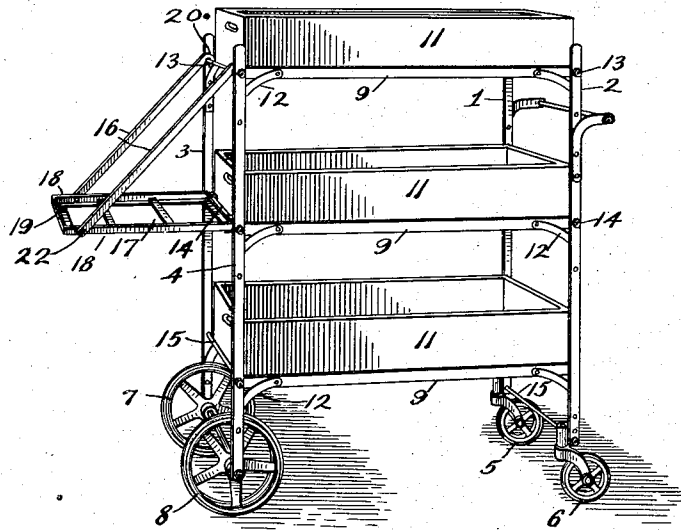


Fig. 2.

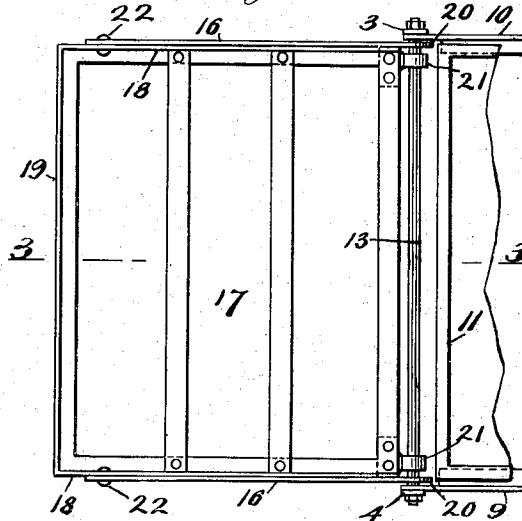
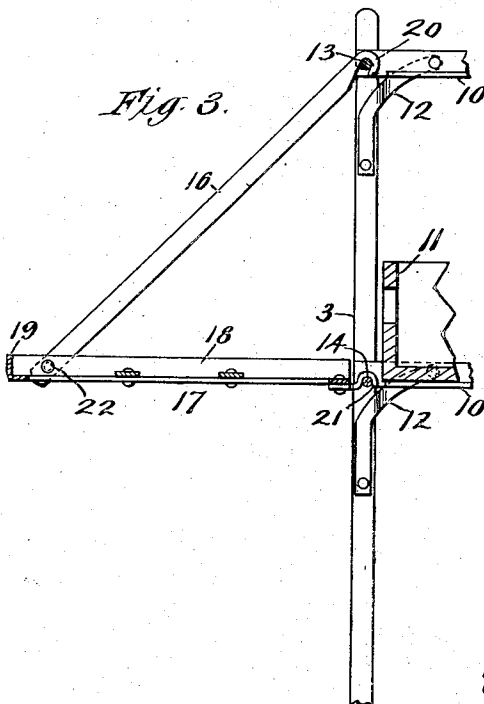


Fig. 3.



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UNITED STATES PATENT OFFICE.

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DETACHABLE FRAME FOR SERVICE WAGONS.

Application filed March 9, 1920. Serial No. 364,586.

To all whom it may concern:

Be it known that I, WILLIAM V. HOLLEY, a citizen of the United States, residing at New York, county of New York, and State of New York, have invented certain new and useful Improvements in Detachable Frames for Service Wagons, fully described and represented in the following specification and the accompanying drawings, forming a part of the same.

This invention relates to certain improvements in service wagons such as the dish wagons used in hotel and other dining rooms.

These service or dish wagons as ordinarily used include a frame mounted on wheels so that it can be readily moved about the room, this frame forming a support for boxes or trays in which the dishes are placed for removal. It frequently happens that where dishes are collected on trays, as is customary in large dining rooms, there is no support or stand handy for the servant to place the tray to transfer the dishes from the tray to the service wagon.

It is the especial object of the present invention to provide a service wagon with a tray frame or rack on which a tray may be placed so that the dishes may be transferred from the tray to the dish boxes of the wagon, this rack being so constructed and attached to the wagon that when not in use it can be folded up against the main frame of the wagon and thus be out of the way.

It is a further object of the invention to produce such a tray carrying frame or rack which shall be of few parts, simple in construction, and readily attached to and removed from the main frame of the wagon.

With these and other objects not specifically referred to in view, the invention consists of certain novel parts and combinations which will now be described with reference to the accompanying drawings and then specifically pointed out in the claim hereunto annexed.

In the drawings—

Figure 1 is a perspective view of a service or dish wagon of the usual type with the improved tray carrying frame secured in position thereto.

Figure 2 is a plan view partly broken away of the tray carrying rack shown in Fig. 1, and

Figure 3 is a vertical section, partly broken away, taken on line 3—3 of Fig. 2.

Referring now to these drawings, a service or dish wagon is shown comprising a main frame including spaced end uprights 1, 2, 3, 4, uprights 1, 2 being secured to caster wheels 5, 6, and the uprights 3, 4, being secured to larger wheels 7, 8, these uprights together forming supports for flanged bars 9, 10, three sets of these bars being provided which form supports for the dish trays 11, these bars being secured to the frame in any suitable manner, as by corner braces 12. The spaced frames are, furthermore, secured together by cross bars 13, 14 and 15, such bars being located at each end of the wagon.

In accordance with the invention, a tray carrying frame or rack is provided which is both detachably supported from the main frame and is also foldable against the main frame. While the specific construction of this tray carrying frame and the means for supporting it to the main frame may be somewhat varied, in the best constructions this frame or rack preferably includes side arms 16, an open bottom 17 and a closed outer end portion 19, the arms 16 and end portion 19 being constructed of angle iron so as to provide upright flanges 18 which serve to prevent displacement of a tray when placed thereon. The rack bottom 17 preferably consists of spaced slats connected to the opposed side arms.

In order that the tray carrying frame may be foldable against the main frame the arms and the rack are pivotally connected to the main frame and the arms are pivotally connected to the rack. To effect this the main frame is provided with upper and lower supports on which the arms and the rack may be pivoted. These pivots may be formed in any suitable manner, but for convenience in construction the connecting rods 13, 14 at one end of the main frame may be utilized for this purpose, the arms and rack being pivotally connected with these rods. In the specific construction shown, to effect this pivotal movement, the upper end of the arms are provided with hooks 20 which hook over the rods, and the inner end of the flanged sides 18 of the rack are formed with or have secured thereto, hooks 21 which hook over the rods 14, all as clearly shown in Fig. 3. The lower ends of the arms 16 are pivoted on pins 22 to the flanged sides 18 of the rack 17, before referred to.

With this construction it will be seen that

the tray carrying frame or rack may be readily attached to and removed from the main frame of the wagon and connected also to be swung up against the main frame of the wagon so as to be out of the way when not in use if desired.

While the invention has been shown and described in its preferred form, it will be understood that various changes may be made in the form of the rack and the means for pivotally securing the rack to the frame and that such changes may be made without departing from the invention.

What I claim is:

15 The combination with a service wagon having superposed shelves, and bars at one end, of a frame detachably connected to said bars and including a shelf member and

brace members, said brace members having their upper ends hooked over one of said bars and being pivotally connected at their lower ends to one end portion of the shelf member, the shelf member normally lying in a horizontal position and being provided at one end portion with hooks engaging a lower one of said bars, said shelf member and brace members being adapted to lie in a vertical plane on one end of the wagon when the hooks of the shelf member are detached from the bar which they engage and drop down, said shelf member in this position being suspended from the brace members.

In testimony whereof, I have hereunto set my hand.

WILLIAM V. HOLLEY.