(No Model.)

C. L. WAGANDT.

TANK CAN FOR VARNISH, &c.

No. 505,208. Patented Sept. 19, 1893.

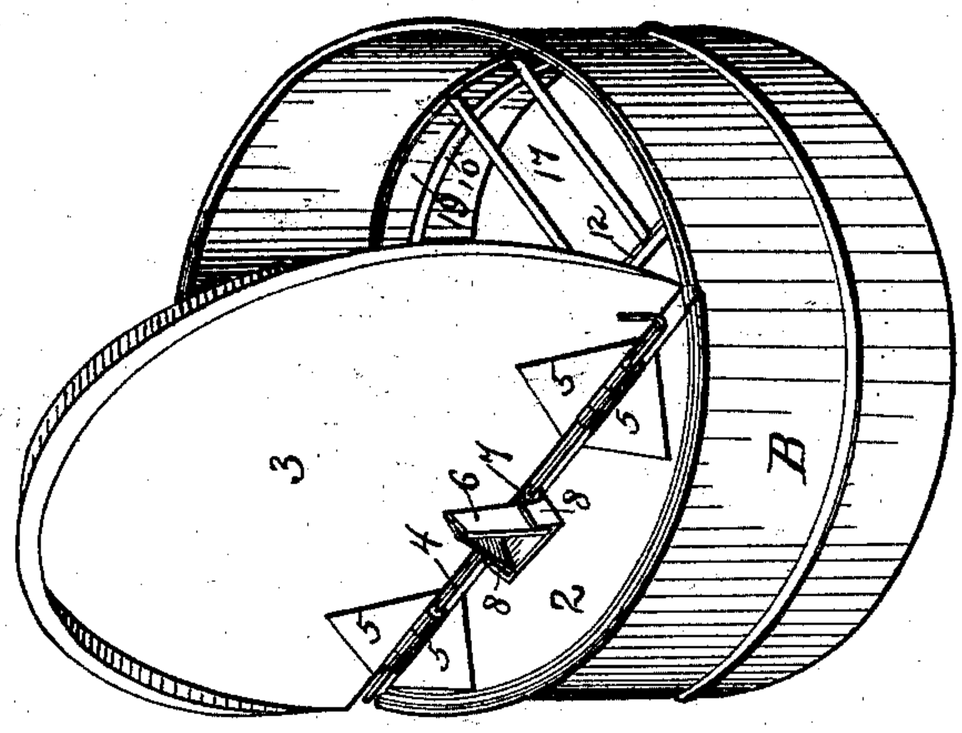

Fig. 4.

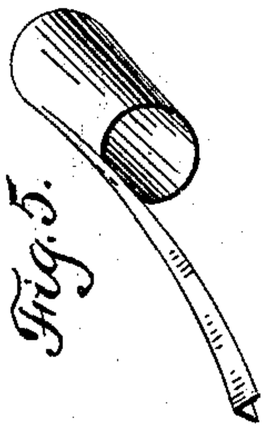

Fig. 5.

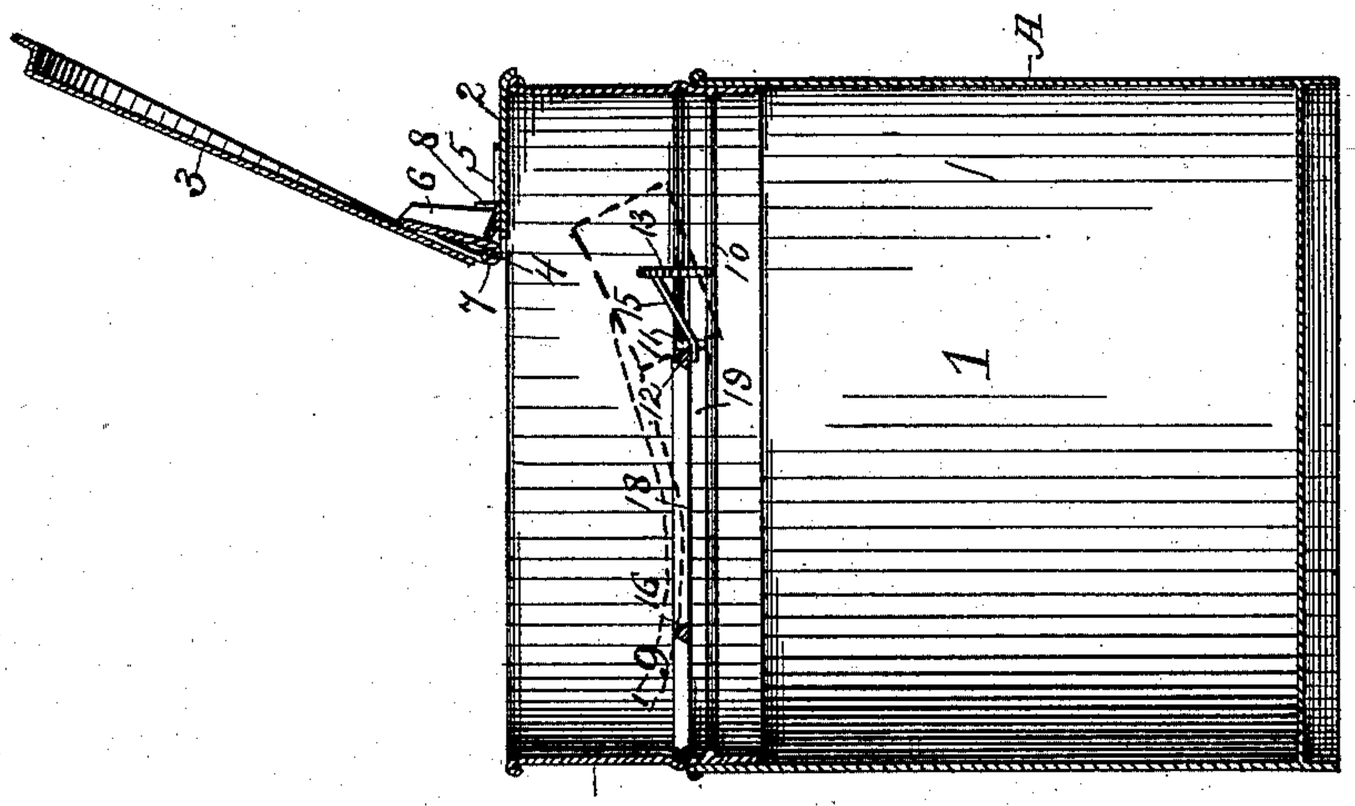

Fig. 2.

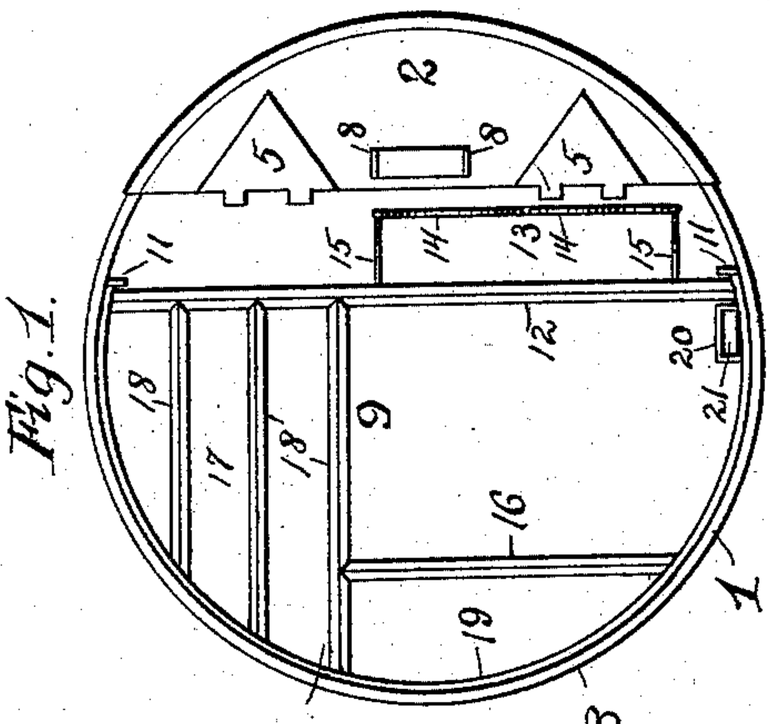

Fig. 1.

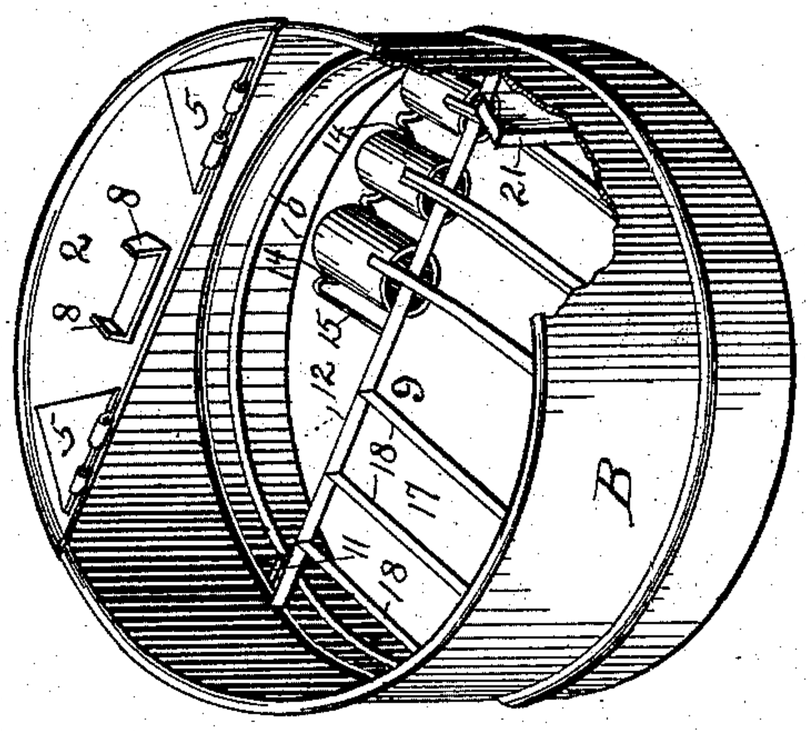

Fig. 3.

Witnesses.
Chas. H. Parker
J. S. Barker

Inventor
C. L. Wagandt,
by H. N. Low Atty.

UNITED STATES PATENT OFFICE.

CHARLES LEWIS WAGANDT, OF BALTIMORE, MARYLAND, ASSIGNOR TO KEEN & HAGERTY, OF SAME PLACE.

TANK-CAN FOR VARNISH, &c.

SPECIFICATION forming part of Letters Patent No. 505,208, dated September 19, 1893.

Application filed April 11, 1893. Serial No. 469,983. (No model.)

To all whom it may concern:

Be it known that I, CHARLES LEWIS WAGANDT, a citizen of the United States, residing at Baltimore, State of Maryland, have invented certain new and useful Improvements in Tank-Cans for Varnish, &c.; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in that class of tank-cans or vessels which are used in factories or by merchants for the storage or retailing of varnish, japan, mixed paints, heavy oils, molasses and other liquids. The means by which the liquids have been obtained from such vessels have been either a spigot at the bottom of the tank, a pump arranged to lift the contents from the bottom of the can and deliver it through a spout at the top to the vessel to be filled, or dipping-measures which are immersed in the liquid for the purpose of dipping it up. In the two former ways much annoyance is experienced from the spigot being knocked off, or rendered leaky, or left open, or from the fact that the liquid, being taken from the bottom, is not clear and pure (as would be the case when taken from the top) and is usually thick or contains dregs or other impurities. In the third way of obtaining the liquid the dippers are frequently misplaced or exposed to the air without being properly drained so that much of the liquid dries and hardens in or upon them, or they are left on the floor or on shelves where they collect dirt and dust. To avoid these latter inconveniences special draining cabinets or boxes, independent of the tank, have been provided, which however occupy room and are not convenient in use.

The objects of my invention are to provide a tank or vessel from which liquids may be conveniently taken from the top without any waste; to provide a means for keeping all measures, funnels, &c., in the vessel itself, in such a manner that the liquid will readily run off from the measures and back into the can, thereby avoiding any chance of misplacing such measures, clogging them with dried oil, &c., collecting dirt upon them, or wasting the liquid; to obtain from the tank only the clearest and best portion of its contents; and to produce a tank which can be readily taken apart to be cleaned or shipped.

With these objects in view, my invention consists in a tank-can or vessel of the usual or any suitable size provided within it near its top with a removable support and drip rack having a place on which the vessel to be filled may be placed, and a device for holding the dippers or measures in an inclined position so that they may quickly be cleaned by dripping into the tank. The whole is arranged so as to be readily taken from the tank for the purpose of cleaning or packing for shipment. When said support and rack is in place in the tank with the removable cover down the dippers, measures, &c., are entirely out of the way and the top of the tank presents a clear, flat surface.

In the preferred form of my invention the tank is made in two sections, the upper fitting within or over the upper end of the lower section or main body of the tank-can. In this form the shelf or drip rack is mounted in the upper section being removable therefrom or therewith from the main body portion of the tank.

My invention further consists in the novel parts and combinations thereof hereinafter set forth.

In order to make my invention more clearly understood I have shown in the accompanying drawings means for carrying the same into practical effect, without however intending to limit my improvements in their useful applications to the particular construction, which, for the sake of illustration, I have delineated.

In said drawings,—Figure 1 is a plan view, having the cover removed, of a tank-can embodying my improvements. Fig. 2 is a vertical sectional view of the same with the removable cover on the vessel and open. Fig. 3 is a perspective view of the upper section of the can with the removable support and drip rack, with the dippers in place. Fig. 4 is a perspective view of the top portion of the tank showing the detachable cover and device for holding it in an upright position. Fig. 5 is a perspective of one of the measures.

Referring to the drawings: 1 is a tank-can

of the usual size, adapted in capacity to hold about a barrel, formed in two sections, A and B, the upper B, of which is adapted to be supported by the lower, and is provided with a fixed top portion 2, to which is attached a removable cover 3 by means of a hinge pin or rod 4 passed through hinge bearings 5, 5 on the fixed top and removable cover. This rod 4 is adapted to be drawn out when it is desired to remove the cover for cleaning.

6 is a support to hold the cover, when open, in an upright position, and take the strain off the hinges and prevent the latter from becoming broken by allowing the cover to fall backward to a horizontal position. The said support has at, or near its bottom a longitudinal sleeve 7 through which the hinge pin 4 is passed when the cover is hinged to the top portion of the tank.

8, 8 are flanges or lugs on the fixed top 2, beneath which lugs the lower part of the support is confined to hold it in place laterally and keep it upright.

9 is a removable support and drip rack consisting of an open shelf or grating of substantially semi-circular form, adapted to fit closely against the interior face of the tank-can and supported in a horizontal position near the top of the tank by an inwardly extending rib or flange 10 on the inner face of the tank 1. Devices such as lugs 11, 11 secured to the tank are employed at the ends of the support or grating to hold it in place.

To a main cross bar 12, of the said grating 9, is attached by arms 15 a drip rack 13 consisting of a rod or wire formed with concave portions 14 of different sizes and so arranged as to hold the bowls of the different sized dippers or measures in substantially the same downwardly inclined position with their open ends resting against the main cross bar 12 which prevents them from slipping off from the concave portions 14.

16 is a bar, opposite the bar 12, which sustains the handles of the dippers and prevents the varnish, &c., from running down them to the grip portions.

17 is a support for a can or other vessel being filled, formed of bars 18 secured at one end to the main cross-bar 12 and at the other end to a curved bar 19 which rests directly upon the flange 10.

20 is a vertical socket or bearing secured to the rod 19 and adapted to retain the measuring bar 21. The bars 12, 18, 16 and 19 are so arranged that they leave a space of ample size for dipping up the contents of the tank.

Although held rigidly when in place on the flange 10, the grating or shelf 9 is readily removed by merely lifting it vertically through the top of the tank.

The bars forming the shelf and support, as well as the handles of the dippers (see Fig. 5), are in cross section, angle bars with the apex upward in order that the liquid may run off more quickly and the collection and drying of varnish, &c., on them be prevented. If for any reason more than the usual amount of liquid is to be stored and it is desired to fill the tank above the drip rack, a form of can in which the upper and lower sections are integral with each other is preferable.

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

1. The combination with the tank-can, of the removable support and drip rack 9 within and near the top of the tank, adapted to support the vessel to be filled and having the bar or rod 13 to hold the dipping measures in an inclined position, substantially as shown and described.

2. The combination with the tank-can formed in two separable sections, of the support within the upper section, adapted to support the vessel to be filled and the drip rack 13 to hold the dipping measures in an inclined position substantially as shown and described.

3. In a tank for the purpose described, the removable shelf 9 adapted to be supported in, and near the top of the tank having the rack 13 at the side of said shelf and the support 17, substantially as shown and described.

4. In a tank-can for the purposes described, the combination with the can, of the removable shelf 9 adapted to be supported in and near the top of the tank having the grated or open support 17, the drip rack 13 and the vertical bearing 20 for the measuring bar, substantially as set forth.

5. The combination with the tank-can having the inwardly extending flange or rib 10 and the lugs 11, 11, situated by said rib at opposite sides of the tank of the removable shelf 9 having the support and drip rack, and adapted to be retained in place by said rib and lugs substantially as shown and described.

6. The combination with the tank-can having the cover 3, and the hinge rod 4, of the support 6 having a sleeve inclosing said rod and adapted to sustain the cover, substantially as shown and described.

7. The combination with the tank-can having the cover 3 and the hinge rod 4, of the support 6 having a sleeve inclosing said rod and adapted to sustain the cover, and the lugs 8, 8 confining the base of said support, substantially as shown and described.

In testimony whereof I affix my signature in the presence of two witnesses.

CHARLES LEWIS WAGANDT.

Witnesses:

GEO. E. TAYLOR,

EDGAR F. DOBSON.