

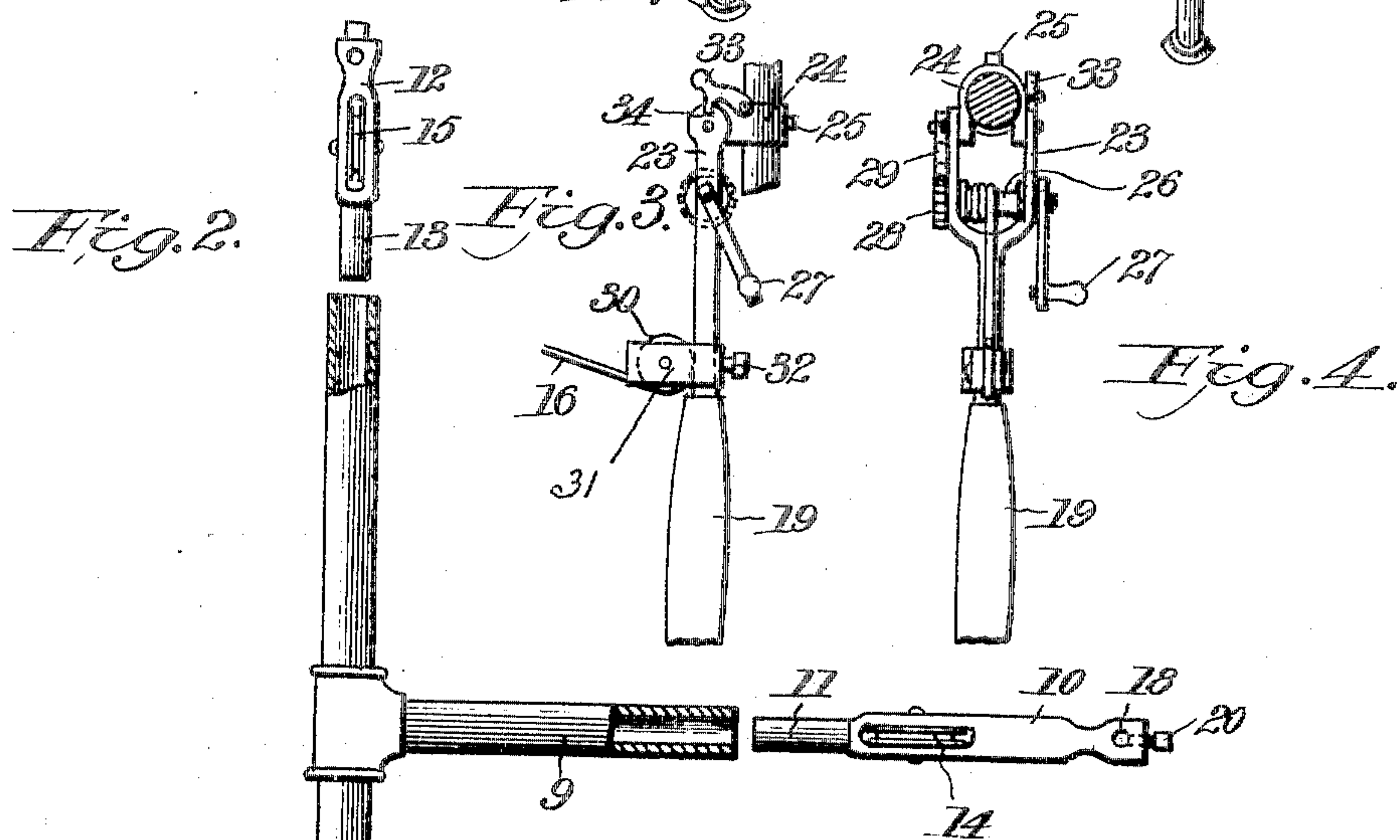
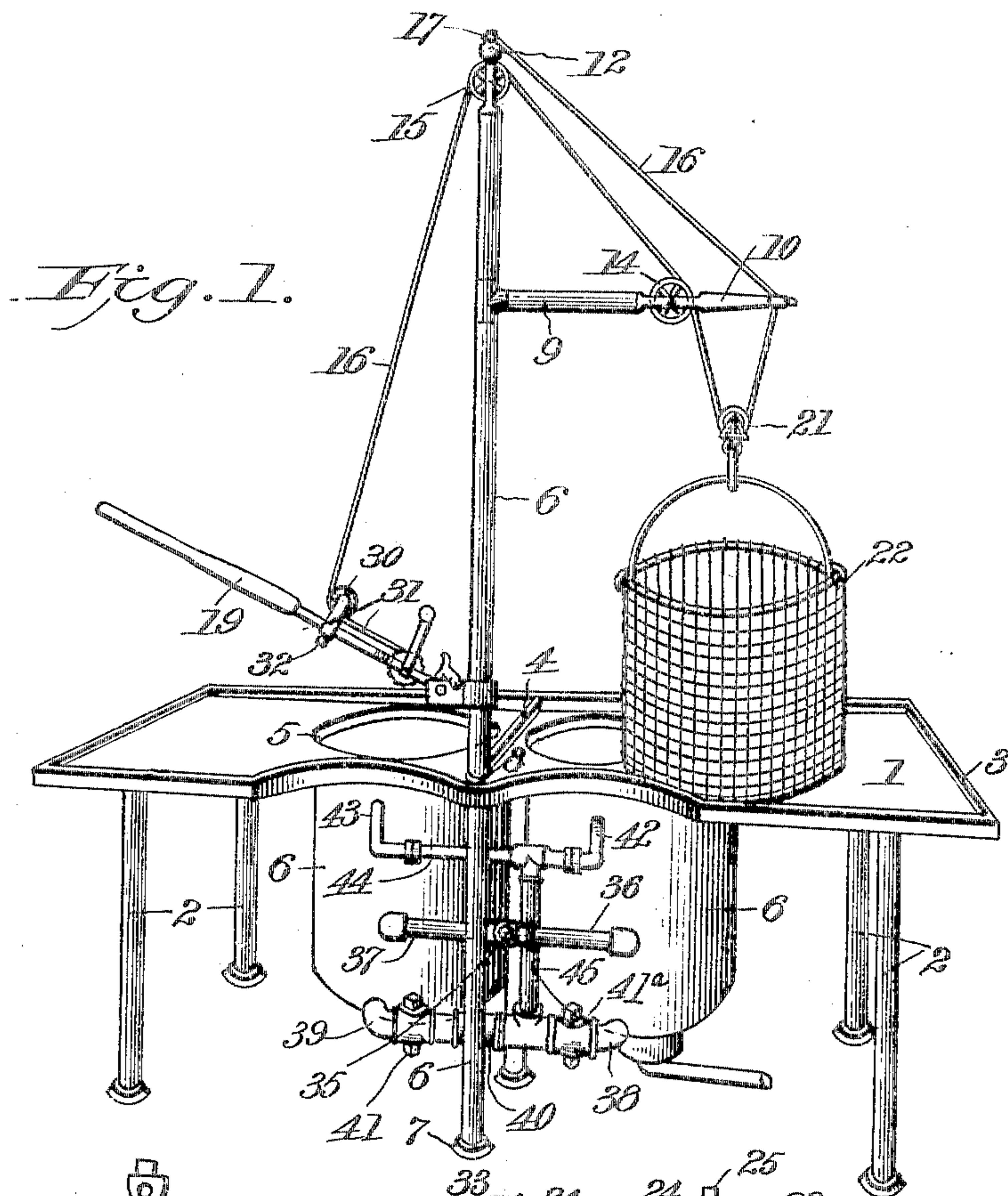
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PATENTED JULY 4, 1905.

C. CURRY & S. H. MARTIN.

DISH WASHER.

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WITNESSES:

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UNITED STATES PATENT OFFICE.

CHARLES CURRY AND SAMUEL H. MARTIN, OF WOOSTER, OHIO.

DISH-WASHER.

SPECIFICATION forming part of Letters Patent No. 793,825, dated July 4, 1905.

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To all whom it may concern:

Be it known that we, CHARLES CURRY and SAMUEL H. MARTIN, citizens of the United States, residing at Wooster, in the county of Wayne and State of Ohio, have invented certain new and useful Improvements in Dish-Washers; and we 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, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

This invention relates to dish-washing machines, and has for its object to facilitate the quick reciprocation of a dish-containing receptacle within a tank of water and to provide for maintaining the dish-containing receptacle in an elevated position when changing from a tank of wash-water to a tank of rinsing-water and in handling the receptacle generally.

Another object of the invention is to provide for quickly elevating the dish-containing receptacle through a comparatively long path and to provide for a relatively short final elevation of the receptacle to clear the same from the top of the tank in order that the receptacle may be swung across the same.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size, and minor details may be made within the scope of the claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a perspective view of a washing-machine embodying the features of the present invention. Fig. 2 is an enlarged sectional elevation of a portion of the standard and arm forming a part of the hoisting apparatus. Figs. 3 and 4 are detail views of the controlling-lever.

Like characters of reference designate cor-

responding parts in each and every figure of the drawings.

In carrying out the present invention there is provided a table-top 1, supported upon suitable leg-standards 2 and having an upstanding marginal flange 3, the table-top being inclined inwardly and downwardly toward its middle and provided with a transverse upstanding flange 4, dividing the table-top into opposite sections. In each of the sections of the top and adjacent the inner end portion thereof there is an opening 5, and beneath this opening is a tank 6, having its upper open end fitted to the walls of the opening in the table. Intermediate of the ends of the table and at one edge thereof there is an upstanding standard or mast 6, which has its lower end rotatably mounted in a bracket 7 upon the floor, with its intermediate portion rising through an opening 8 in the table-top and constituting an intermediate bearing for the standard. Near the upper end portion of the standard is a transverse arm made up of an inner tubular member 9 and an outer longitudinally-slotted member 10, having a stem portion 11 fitted within the outer open end of the member 9. The standard 6 is also tubular, and a slotted extension 12 is provided with a stem 13 to fit within the open top of the standard. In the slotted portions of the arm member 10 and the extension 12 are mounted pulleys 14 and 15. A cable 16 has its upper end connected to the top of the extension, as at 17, from which it extends downwardly through a perforation 18 in the outer end of the arm member 10 and thence upwardly and over the pulley 14 to the pulley 17 and downwardly therefrom to a lever 19, there being a set-screw 20 fitted in the outer end of the arm member 10 to fix the cable thereto. In the bight portion of the cable, which depends from the arm, there is a block 21, and from this block hangs a perforated or reticulated basket 22, which constitutes a dish-containing receptacle. As best indicated in Figs. 3 and 4 of the drawings, it will be noted that the inner end of the lever is bifurcated or forked, as at 23, and this forked portion em-

braces and is fulcrumed upon a clamp or collar 24, which is adjustably secured upon the standard by means of a suitable clamp-screw 25. Within the fork of the lever there is a
 5 windlass 26, having a crank-handle 27 at one end and a ratchet-wheel 28 at its opposite end, there being a dog or pawl 29 carried by the fork of the lever for coöperation with the ratchet-wheel. That portion of the cable 10
 10 which depends from the top of the standard engages a pulley 30 upon an intermediate portion of the lever, and from said pulley it extends to and is wound upon the windlass 26. The pulley 30 is carried by a bracket 31, which
 15 is adjustable longitudinally upon the lever through the medium of a screw 32. Upon the collar 24 is a dog or detent 33, which is designed to engage with a notch or seat 34 in the inner end of one of the fork members 23
 20 at the downward limit of the lever, so as to lock the same against movement upon its fulcrum.

Water is supplied to the tank 6 through a supply-pipe 35, from which extend branch
 25 pipes 36 and 37, communicating with intermediate portions of the tanks, whereby water or steam may be conveniently fed to said tanks. Near the bottom of the tanks are the discharge-pipes 38 and 39, respectively, which
 30 are disposed substantially horizontal and are connected by a coupling 40, from which leads a pipe (not shown) to a sewer to carry off the dirty water from the tanks. The pipes 38 and 39 are provided with check-valves 41 and
 35 41^a to prevent the return of water into the tanks. Near the upper ends of the tanks are the overflow-pipes 42 and 43, which are connected by a cross-pipe 44, from which depends a pipe 45, communicating with one of the dis-
 40 charge-pipes, so as to carry off the overflow from the tanks.

Having thus described the invention, what we claim is—

1. In a dish-washing machine, the combination with a tank, of a support, a forked lever having its forked end fulcrumed upon the support, a windlass mounted within the fork of the lever and provided at one end with a crank-handle and at its other end with

a ratchet-wheel, a dog pivoted upon the lever 50 in coöperative relation with the ratchet-wheel, the outer extremity of one of the sides of the forked portion of the lever being segmental and provided with a notch, a pivotal dog mounted upon the support with its free 55 end engaging the peripheral edge of the segmental portion of the lever to automatically engage the notch and lock the lever in a predetermined depressed position thereof, a cable mounted upon the support and wound 60 upon the windlass, and a dish-containing receptacle hung from the cable.

2. In a dish-washing machine, the combination with a tank, of a mast rising above the tank, a bracket upon the mast, a lever ful- 65 crumed upon the bracket, a dog mounted upon the bracket, the lever being provided with a seat for engagement by the dog at a predetermined depressed position of the lever to lock the latter, a hoisting-cable mount- 70 ed upon the mast and connected to the lever, and a dish-containing receptacle hung from the cable and capable of being lowered into the tank.

3. In a dish-washing machine, the combination with a tank, of a mast rising there- 75 above and capable of rotation upon its longitudinal axis, a crane-arm carried by and projected laterally from the mast above the tank, a bracket carried by the mast, a lever 80 fulcrumed upon the bracket and provided at its inner end with a seat, a dog mounted upon the bracket for automatic engagement with the seat to lock the lever in a predetermined depressed position, a windlass mounted upon 85 the lever and provided with a crank-handle and a ratchet mechanism, a hoisting-cable hung in a bight from the crane-arm and running over the top of the mast to the wind- 90 lass, and a dish-containing receptacle hung from the bight of the cable.

In testimony whereof we affix our signatures in presence of two witnesses.

CHARLES CURRY.
 SAMUEL H. MARTIN

Witnesses:

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 VIDA VANOVER.