

D. D. FRISBEE.
 APPARATUS FOR OILING FELLIES.
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943,674.

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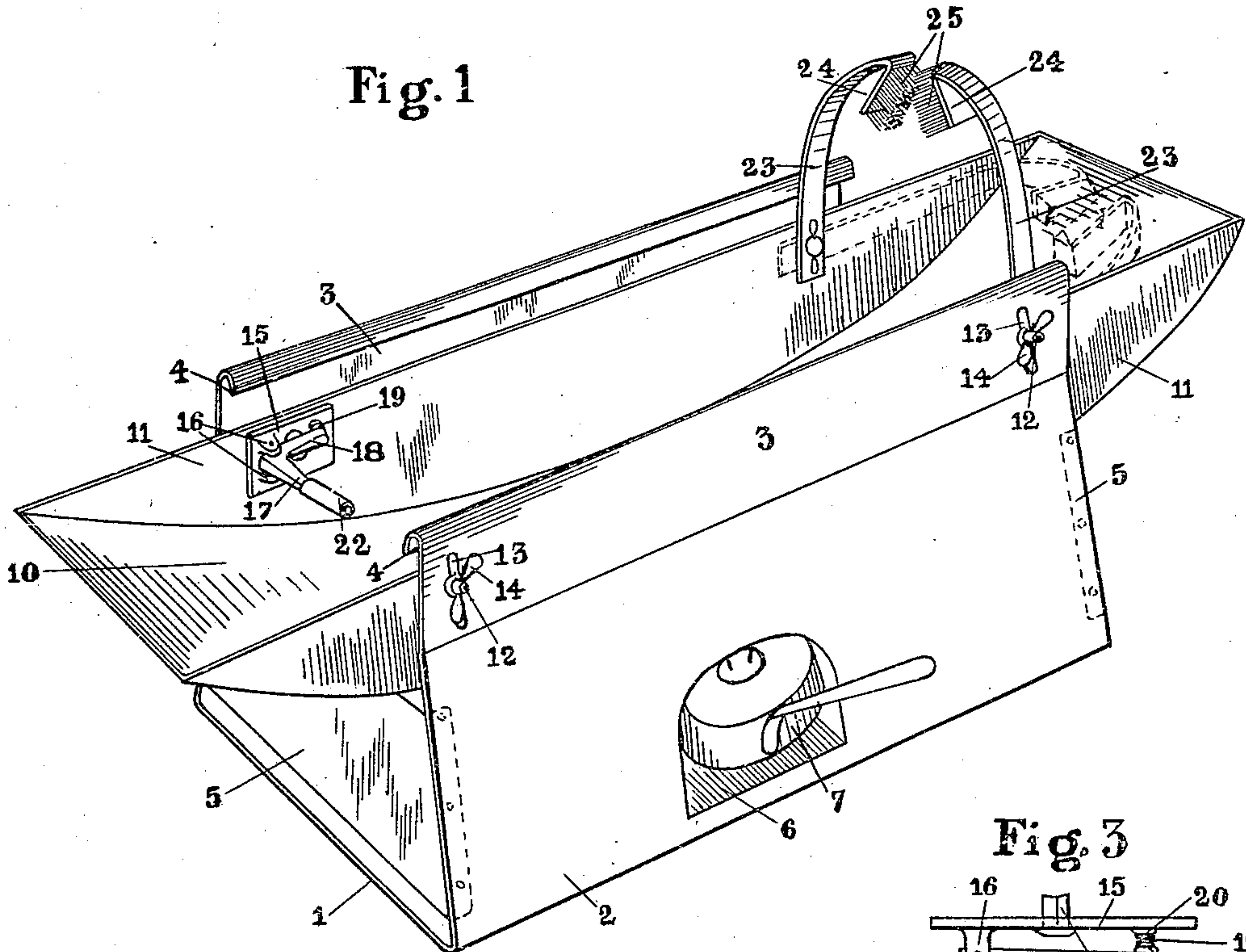
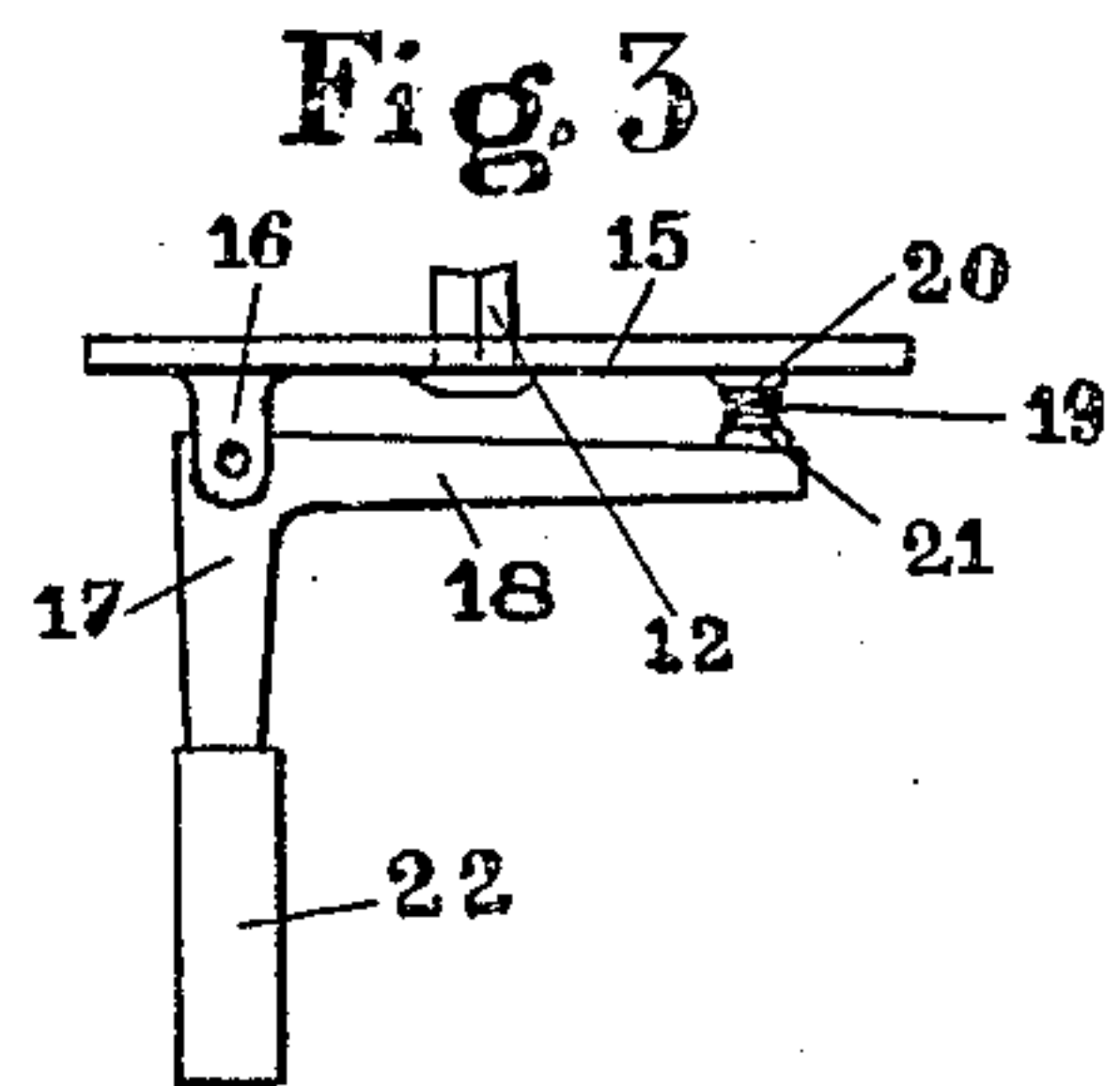
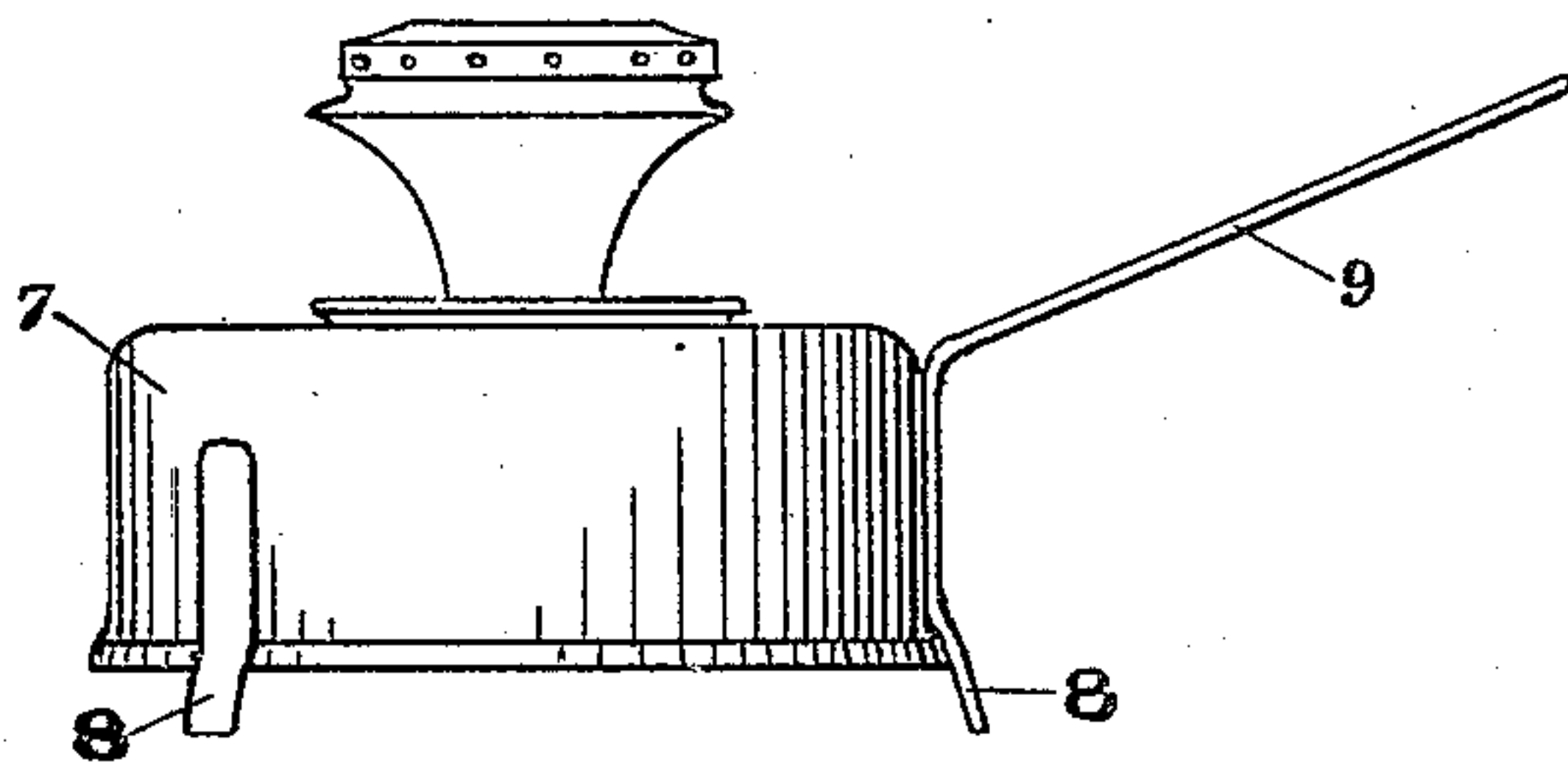


Fig. 2



WITNESSES:

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UNITED STATES PATENT OFFICE.

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APPARATUS FOR OILING FELLIES.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, DANIEL D. FRISBEE, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Apparatus for Oiling Fellies, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to apparatus for oiling fellies, and more especially to certain improvements therein permitting adjustment for use with vehicle wheels of different diameters or for use with wagon jacks of different heights.

The invention consists in the matters hereinafter set forth, and more particularly pointed out in the appended claims.

In the drawings, Figure 1 is a view in perspective of a device embodying the invention. Fig. 2 is a view in detail of a heater. Fig. 3 is a view in detail of a stop.

Referring to the drawings, a combined heating chamber and stand is constructed of a piece of sheet metal bent to form a base 1 with upturned and slightly inbent sides 2 whose upper portions 3 are parallel, their margins 4 being inrolled to form stiffening flanges; end pieces 5 are secured across the inbent sides 2 at an interval above the base 1. An opening 6 in one of the sides permits introduction of a gas or vapor heater 7, preferably of the type shown, with supports 8 one of which is outturned at its upper end to form a convenient handle 9.

An oil tank having a longitudinally concave or segmental bottom 10 with parallel side walls 11, is adjustably secured between the parallel portions 3 of the stand walls by properly disposed carriage bolts 12 or the like, passing through vertical slots 13 in the stand and having butterfly nuts 14 or like means by which the tank may be clamped in place. One of these bolts, whose body under its head is preferably squared or flattened to prevent rotation, secures a base plate 15 against the inner side of the tank, which has bearing lugs 16 between which a bell crank lever 17 is pivoted on a pin to oscillate in a horizontal plane with one arm 18 yieldingly projected from the base by a spring 19 in compression around a boss 20 or keeper struck up or formed on the base and a mating keeper 21 on the arm 18. A piece of hose 22 or like flexible material extends outwardly from the bell crank. At

the opposite end of the tank a pair of incurved spring arms 23 are secured on the heads of the clamping bolts 12. They are transversely folded near their outer ends and the inturned, straightened portions 24 form holders for wipers 25, preferably brushes. By loosening the bolts 12, the arms may be swung up or folded down as desired.

In operation, the tank is adjusted in the stand to receive a wheel rim of a vehicle which is blocked or jacked up, and filled with proper oil that is heated by the burner, a slight interval between the end pieces of the stand and the bottom of the tank being preserved to allow draft therethrough, air entering under the end pieces and through the burner door. The hose on the bell crank engages a wheel spoke and holds the wheel from turning until the immersed portion of the rim is sufficiently treated. The wheel is then turned until an adjacent section is submerged, the spring pressed bell crank yielding if any irregularity in the spokes would otherwise prevent the spokes clearing it. The wipers are adjusted to remove excess of oil from the rim as it emerges from the bath.

Obviously, changes in the details of construction may be made without departing from the spirit of the invention and I do not care to limit myself to any particular form or arrangement of parts.

What I claim as my invention is:—

1. In a device for the purposes specified, a combined heating chamber and stand consisting of a sheet metal base with upturned inbent sides whose upper portions are parallel and are provided with vertical slots near each end and with inrolled upper margins, end pieces secured across the inbent sides at an interval above the base, a tank with longitudinally concave bottom between the stand sides, bolts through the tank walls passing through the side slots, nuts on the bolts clamping the parts together, a yieldingly vibratable stop on the inner side of the tank wall secured by one of the bolts, wipers adjustably secured by the bolts over the tank and means for heating the tank adapted to be removably inserted on the stand through an opening in one side thereof.

2. In a device for the purposes specified, a combined heating chamber and stand consisting of a sheet metal base with upturned, inbent sides whose upper portions are parallel and are provided with vertical slots

near each end and with inrolled upper margins, end pieces secured across the inbent sides at an interval above the base, a tank with longitudinally concave bottom, between the stand sides, bolts through the tank walls passing through the side slots, nuts on the bolts clamping the parts together, a base plate secured against the inner side of one of the tank walls by the bolt, a bell crank pivoted therein to oscillate in a horizontal plane, a spring interposed between one of the crank arms and the plate, a flexible tube secured on the outer arm of the crank, wipers adjustably secured by the bolts over the tank, and removably secured means in the stand for heating the tank.

3. In a device for the purposes specified, a combined heating chamber and stand consisting of a sheet metal base with upturned inbent sides whose upper portions are parallel and are provided with vertical slots near each end, end pieces secured across the inbent sides at an interval above the base, a tank with longitudinally concave bottom, between the stand sides, bolts through the tank walls passing through the side slots, nuts on the bolts clamping the parts together, a yielding vibratable stop on the inner side of the tank wall secured by one of the bolts and provided with a flexible arm extending laterally into the tank, a pair of incurved spring arms adjustably secured above the tank by the clamping bolts, the upper ends thereof being bent inwardly into parallel re-

lation, a wiping brush on each inbent portion, and means removably secured in the stand for heating the tank.

4. In a device for the purposes specified, a combined heating chamber and stand consisting of a sheet metal base with upturned, inbent sides whose upper portions are parallel and are provided with vertical slots near each end, end pieces secured across the inbent sides at an interval above the base, a tank with longitudinally concave bottom, between the stand sides, bolts through the tank walls passing through the side slots, nuts on the bolts clamping the parts together, a base plate secured against the inner side of one of the tank walls by the bolt, a bell crank provided thereon to oscillate in a horizontal plane, a spring interposed between one of the crank arms and the plate, a flexible tube on the outer arm of the crank extending laterally into the tank, a pair of incurved spring arms adjustably secured above the tank by clamping bolts, the upper ends thereof being bent inwardly into parallel relation, a wiping brush in each inbent portion and means removably secured in the stand for heating the tank.

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

DANIEL D. FRISBEE.

Witnesses:

OTTO F. BARTHEL,
ANNA M. DORR.