May 1, 1951 M. P. NYSTROM 2,551,043

GARBAGE CAN HOLDER

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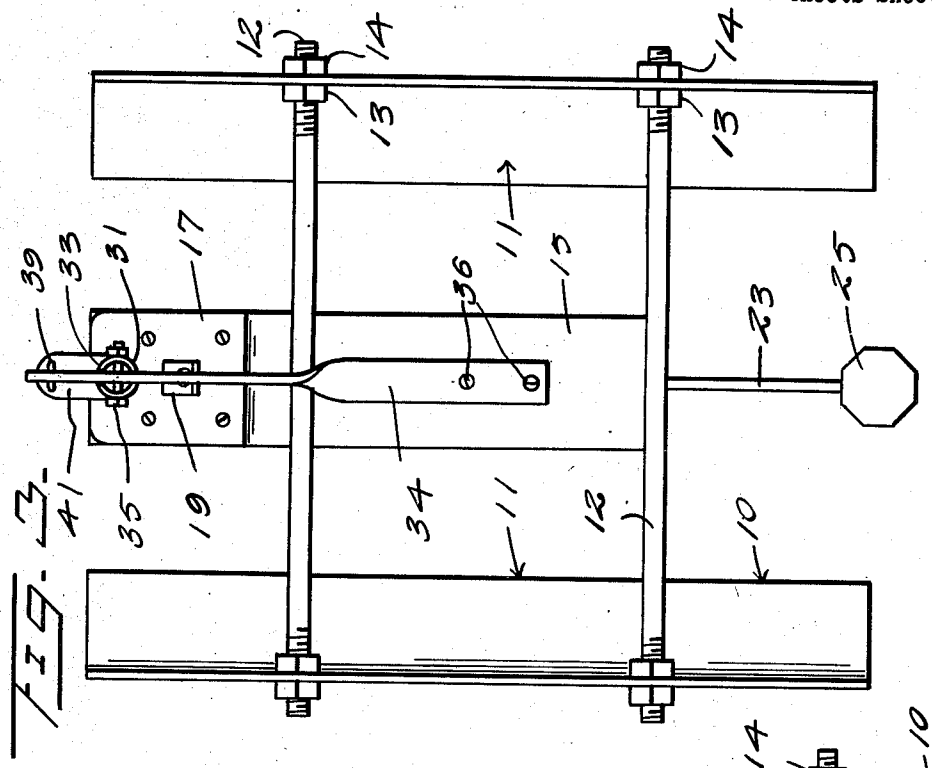


FIG. 3.

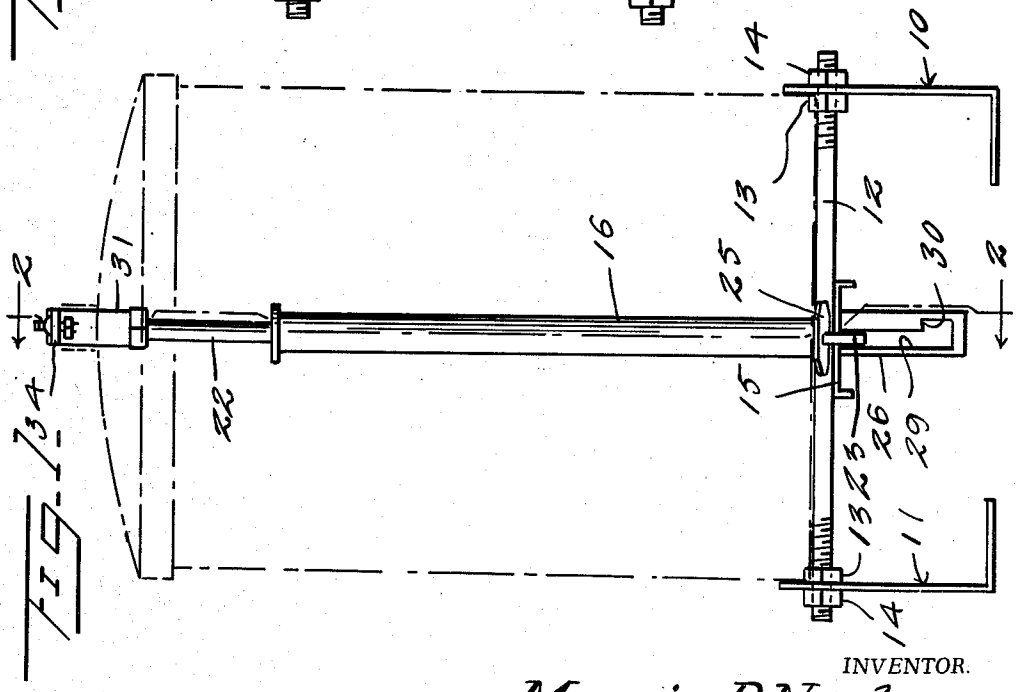


FIG. 4.

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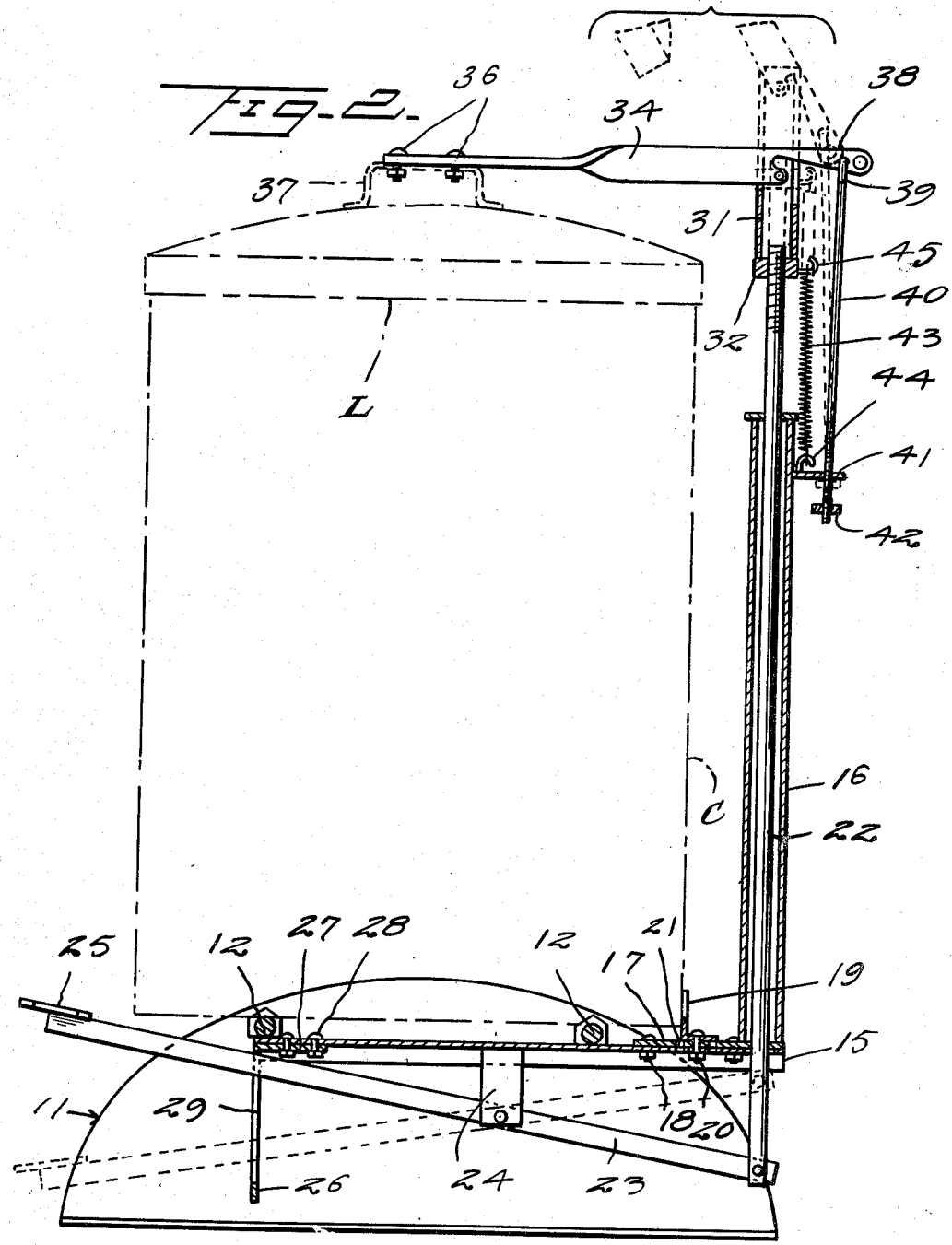
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Fig. 2.



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GARBAGE CAN HOLDER

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1 Claim. (Cl. 248—147)

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This invention relates to garbage can holders.

An object of this invention is to provide a holder for garbage cans which will permit easy placement or removal of the can from the base, the holder including a lid lifting lever or arm connected with a treadle so that the lid may be raised by depressing the treadle with a foot.

Another object of this invention is to provide an improved holder which can be readily adjusted for cans of various sizes, both as to height and diameter.

A further object of this invention is to provide in a holder of this kind an improved locking means for the lid whereby the lid may be locked in raised or open position.

With the above and other objects in view, my invention consists in the arrangement, combination and details of construction disclosed in the drawings and specification, and then more particularly pointed out in the appended claim.

In the drawings,

Figure 1 is a detail front elevation of a garbage can holder constructed according to an embodiment of this invention,

Figure 2 is a sectional view taken on the line 2—2 of Figure 1,

Figure 3 is a plan view of the holder.

Referring to the drawings, the numeral 10 designates generally a base structure which is formed of a pair of L-shaped plates 11, connected together by means of a pair of connecting bars 12 having nuts 13 and 14 threaded on each end thereof. An elongated channel member 15 is secured as by welding or the like, to the connecting bars 12 extending rearwardly and terminating at substantially the rear of the base 10.

An upstanding tubular guide member 16 is welded at its lower end to a plate 17 which is fixed by fastening means 18 to the upper side of the channel member 15 at the rear of the latter. An angle member or stop 19 is fixed by bolts or fastening members 20 to the plate 17, and preferably both the plate 17 and the channel member 15 are formed with spaced openings 21 through which the fastening member 20 may be extended so that the can C may be positioned at a predetermined distance from the guide member 16.

The guide member 16 has slidable therethrough a vertically disposed rod 22 which is pivotally connected at its lower end to a rock lever 23. The rock lever 23 is rockably mounted on a depending hanger or bracket 24 carried by the channel member 15, and the forward end of the lever 23 has a tread member 25 fixed thereto.

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A depending strap 26 which is formed with a horizontally disposed upper base member 27 is fixed by fastening means 28 to the channel member 15 and is provided with a vertically disposed elongated opening 29 within which the forward portion of the lever 23 is adapted to slidably engage.

The strap or keeper member 26 is formed with an offset keeper notch 30 adjacent the lower end of the slot 29 so that when the lever 23 is rocked downwardly this lever may be shifted laterally into the keeper notch 30 to thereby lock the lever 23 in its lid or cover elevating position. The rod 22 has secured to the upper end thereof a tubular bearing member 31, having a nut 32 which is threaded onto the upper end of rod 22 so that bearing member 31 may be vertically adjusted to provide for the proper closing of lid L on the top of can C. The bearing member 31 is formed with a slot 33 through which a lid lever 34 loosely extends, and the lever 34 is rockably mounted on a pivot member 35 which is extended through the bearing member 31. The lever 34, as shown in Figure 2, is twisted at its forward end portion and the forward end of lever 34 is secured by fastening means 36 to the looped handle 37 which is carried by the lid L.

The lever 34 includes a rearward extension 38 which is engaged by the looped upper end 39 of a rod 40. The rod 40 extends loosely through a rearwardly extending bracket 41 which is fixed to the guide 16 adjacent the upper end of the guide, and a nut or stop member 42 is carried by the lower end of the rod 40 so as to limit the upward movement of this rod.

A spring 43 is fixed at its lower end to a hook 44 carried by the bracket 41 and is fixed at its upper end to the hook 45 which is carried by the nut 34. The spring 43 provides a return means for returning the lid L to a closed position and for constantly urging the lid operating rod 22 downwardly.

In the use and operation of this device, the stop member 19 is horizontally adjusted so that when the can C is engaged therewith the can will be disposed directly beneath the lid L when the latter is lowered by downward rocking of lever 34. The lid L is fixed by the fastening means 36 to the lever 34 and is constantly urged to a closed position by gravity and also the spring 43. The lever 23 will be disposed in the uppermost position when the lid L is closed, as shown in full lines in Figure 2. When it is desired to raise the lid L, the lever 23 is depressed at its forward end by engagement of a foot with the pedal or

plate 25. Downward rocking of the forward end of lever 23 will move rod 22 upwardly. Upward movement of rod 22 will cause the rear end of lever 34 to move upwardly to the limit provided by the stop member 42, after which the lid L will be rocked upwardly from its forward side to substantially the dotted line position shown in Figure 2.

I do not mean to confine myself to the exact details of construction herein disclosed, but claim all variations falling within the purview of the appended claim.

What I claim is—

A garbage can holder comprising a base formed of a pair of L-shaped members, a pair of bars connecting said members together, a channel member fixed to said bars, an upstanding tubular guide fixed to the rear of said channel, a rod slidable through said guide, a lid lifting lever pivotally secured between the ends thereof to the upper end of said rod, a spring connected between the upper portion of said rod and the upper

portion of said guide, a holding bar connected between said guide and the rear of said lever, an operating lever below said channel member, means engaging said operating lever between the ends thereof pivotally securing said lever to said channel member, and means pivotally connecting the rear end of said operating lever to the lower end of said rod.

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