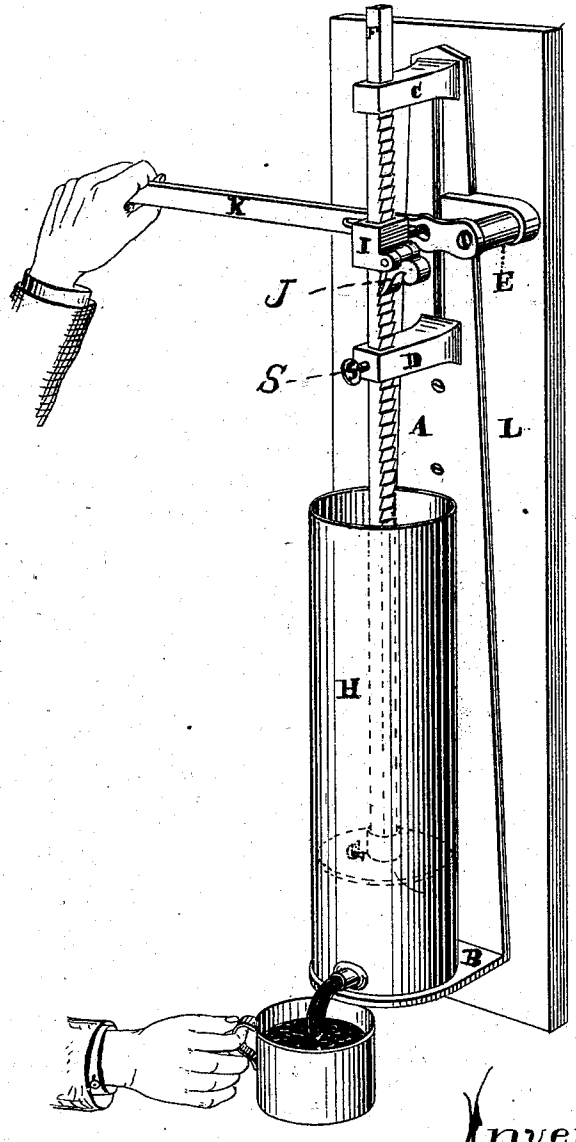
C. MOSER.

Apparatus for Expelling Paints from Cans.

No. 219,498. Patented Sept. 9, 1879.



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IMPROVEMENT IN APPARATUS FOR EXPELLING PAINTS FROM CANS.

Specification forming part of Letters Patent No. **219,498**, dated September 9, 1879; application filed June 12, 1879.

To all whom it may concern:

Be it known that I, CHARLES MOSER, of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in Apparatus for Expelling Paints from Cans, of which the following is a specification.

The object of this invention is to provide a cheap and convenient device for painters' use that can be readily adjusted and conveniently operated to expel plastic colors from the cans in which they are put up and sold.

The invention consists in so mounting a piston in arms projecting from a plate above a similarly-projecting shelf that it may be forced down to expel plastic color from a can placed upon said shelf by a ratchet acting upon a toothed piston-rod, which rod can be readily detached from its actuating-ratchet, so as to permit the piston to be rapidly withdrawn by hand from the empty can, and secured in its elevated position until a filled can is replaced preparatory to another operation.

It consists, also, of a peculiar construction and arrangement of slide, pawl, and actuating-lever to operate the piston.

In the accompanying drawing, which is a perspective view of my improved machine, A is a plate, which has a shelf, B, two arms, C and D, and a stud-pin, E, projecting at right angles from it. These parts I prefer to make of cast-iron, molded in a single piece. The outer ends of the arms C and D are perforated to receive and guide the toothed bar F, which carries at its lower end the piston G. (Shown in dotted line within the can H, which it closely fits.)

I is a slide fitted over the piston-rod F, between the arms C and D. This slide has journaled in lugs projecting from it a weighted pawl, J, which engages the teeth upon bar F. It has also projecting from its rear side a pin, which enters a longitudinal slot in the actuating-lever K, which lever has its fulcrum upon stud-pin E.

The lower arm, D, has a set-screw, S, tapped through its end, for the purpose of retaining the piston G in any desired position.

L represents a pillar, or part of a wall, to which the machine is secured by screws passing through plate A.

The mode of operating the device is as follows: The piston G is drawn up a sufficient distance to admit of the can being placed under it upon the shelf B, and the set-screw S tightened to retain it in position. The top of the can being removed, it is placed upon the shelf, the set-screw loosened, and the piston let down until it rests upon the paint in the can. The lower cap is now removed, and a vessel held under the discharge-orifice, while the other hand operates the lever K to depress the piston and expel the paint, as represented in the drawing.

If sufficient color is not expelled at one stroke, the operation may be continued until the entire contents of the can are expelled.

When the required amount has been withdrawn, the set-screw is tightened and the lower cap replaced. The paint will thus be kept from drying when not in use, and no waste occur from careless handling of the machine, as the set-screw rigidly holds the piston.

After the contents of the can have been expelled, the pawl J is disengaged from the teeth of the bar F. The slide I will then drop down upon the lower arm, D, which will hold the pawl disengaged. Now, by taking hold of the bar F, the piston can be rapidly withdrawn from the can and the set-screw tightened, thus holding the piston in its elevated position until the empty can is removed and replaced by a filled one.

I claim—

1. The bracket substantially as hereinbefore described, in combination with the piston, the toothed piston-rod, the lever for moving said rod in one direction, and the set-screw for securing said rod at any point in its range of motion.

2. The combination, with a piston having a toothed piston-rod suitably mounted, as described, of the slotted lever K, pivoted upon stud E, the pawl J, and slide I, said slide carrying a pin to enter the slot in the lever, substantially as specified.

CHARLES MOSER.

Witnesses:
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