(No Model.)

# J. M. MUNGIVEN.

## GATE FOR PAINT CANS, &c.

No. 456,290. Patented July 21, 1891.

Fig. 1.

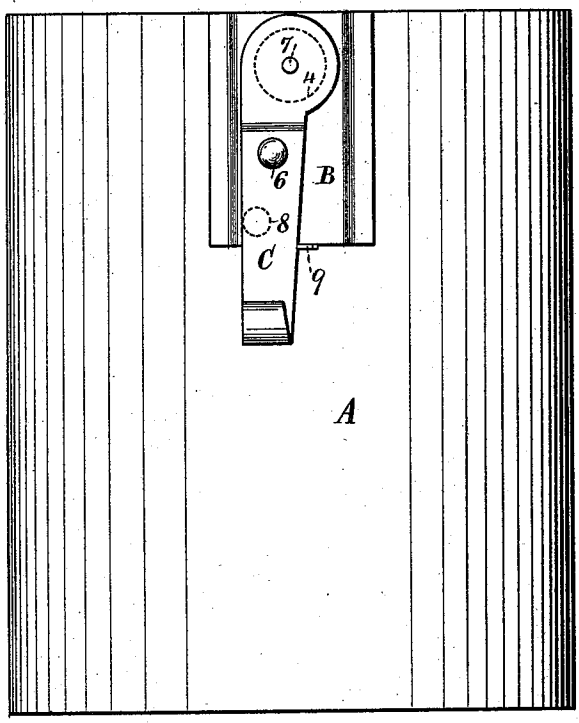



Fig. 2.

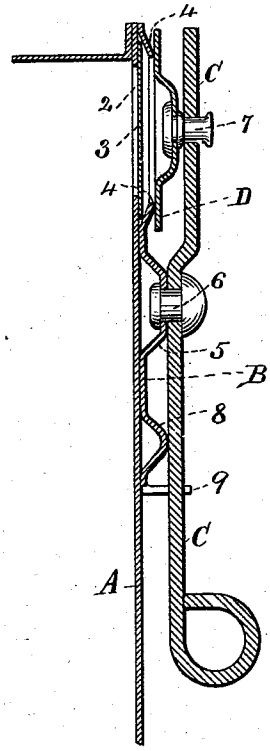



Fig. 3.

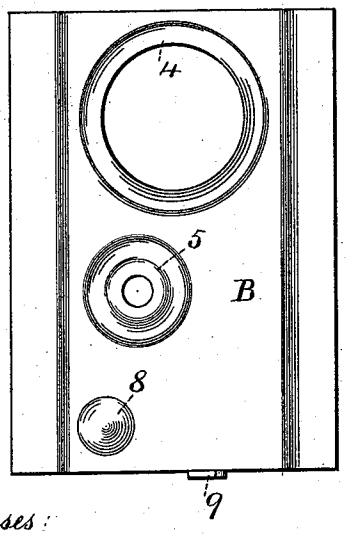
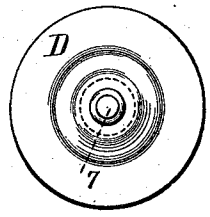



Fig. 4.




Witnesses:
J. Staib
Chas. H. Smith

Inventor:
James M. Mungiven
per Lemuel W. Serrell Atty

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

# UNITED STATES PATENT OFFICE.

JAMES M. MUNGIVEN, OF BROOKLYN, ASSIGNOR TO SILAS A. ILSLEY, OF NEW YORK, N. Y.

## GATE FOR PAINT-CANS, &c.

SPECIFICATION forming part of Letters Patent No. 456,290, dated July 21, 1891.

Application filed March 11, 1891. Serial No. 384,538. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES M. MUNGIVEN, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented an Improvement in Gates for Paint-Cans, &c., of which the following is a specification.

In paint-cans an opening has been provided at or near one end covered with a thin piece of sheet metal that is easily cut through by the point of a knife, and various devices have been employed for closing this opening. In some instances cast-metal valve-seats and valves have been employed with a swinging lever similar to molasses-gates.

My present invention relates to a cheap and efficient device for closing the opening in a can for paint or similar material, whereby the solid substance of the paint will not interfere with the closing of the valve, and the parts can be easily attached to a sheet-metal paint-can in such a manner that the paint will not be liable to run from the can and the oil or volatile substance thereof to evaporate.

In the drawings, Figure 1 is a face view of the gate. Fig. 2 is a longitudinal section. Fig. 3 is a detached view of the base-plate and valve-seat, and Fig. 4 is a separate view of the valve. Figs. 2, 3, and 4 are in larger size.

The can A is to be of any desired size or shape, and a hole is provided in this can at 2, and either over or under this hole a thin piece of sheet metal is permanently attached, as shown at 3. This piece of sheet metal 3 can be easily cut through with the point of a knife whenever the can is to be opened. The valve-seat 4 is made in a piece of thick sheet metal B, forming a base-plate, the valve-seat being a conical rib struck up around the opening through the base-plate, and there is a pivot projection 5 struck up in the sheet metal, through which passes the pivot-pin 6, by which the valve-lever C is attached. This valve-lever C is free to swing upon the pivot-pin 6, and it carries the valve D, which valve is made with a flat face and a recessed center struck up from a disk of sheet metal, and there is a valve-pin 7 passing through the valve and permanently fastened thereto, usually by spreading the metal of the pin against the upper surface of the sheet metal of the valve, as shown sectionally in Fig. 2, and this pin 7 passes loosely through the hole in the lever C, so that the valve may turn upon its pin; but the head of the pin is upset sufficiently to prevent the valve separating from the lever. There is a teat at 8 struck up in a position for the lever to ride over the same as it is swung toward the stop 9, thereby raising this part of the lever and causing the valve to press upon its seat. It will now be apparent that the conical shape of the valve-seat 4 forms a scraping edge to keep the surface of the valve D free from solid matter, and that the valve is free to rotate upon its pin and the lever presses upon the valve at the pin, whereby the valve is free to accommodate itself to the seat to close the opening tightly when the lever and valve are swung over the seat, and the parts are easily made and inexpensive and the valve and its base-plate are complete in themselves, ready to be applied upon a paint or other can, to do which it is only necessary to properly place the base-plate upon the can and solder the same all around the edges of the said base-plate, and the valve can be opened or closed with facility and without the risk of being obstructed or rendered inefficient by the solid material of the paint.

I claim as my invention—

1. The combination, with the base-plate of sheet metal having an opening and pressed up to form a conical valve-seat, of a valve-lever pivoted upon the base-plate, and a valve formed of a sheet-metal disk recessed in the center and provided with a valve-pin fastened to the valve and loosely attached to the lever, substantially as set forth.

2. The sheet-metal valve recessed in the center and the valve-pin attached thereto, in combination with the lever through which the valve-pin passes, the base-plate of sheet metal having an opening and a raised valve-seat, a raised projection for the lever-pivot, a teat beneath the lever, and a stop for the same, substantially as set forth.

Signed by me this 6th day of March, 1891.

JAMES M. MUNGIVEN.

Witnesses:

GEO. T. PICKNEY,

WILLIAM G. MOTT.