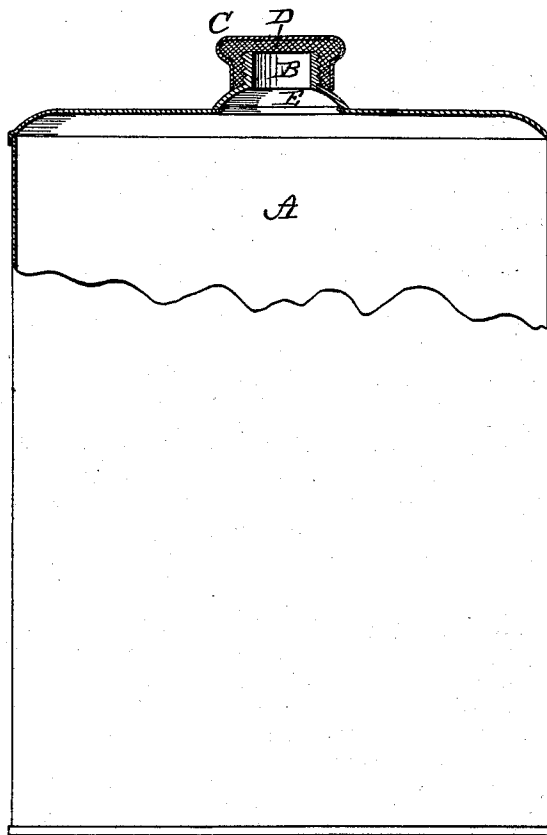


F. EGGE.
POWDER CAN.

No. 171,364.

Patented Dec. 21, 1875.



WITNESSES

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By

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FREDRICK EGGE, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO PAUL A. OLIVER, OF WILKESBARRE, PENNSYLVANIA.

IMPROVEMENT IN POWDER-CANS.

Specification forming part of Letters Patent No. **171,364**, dated December 21, 1875; application filed October 9, 1875.

To all whom it may concern:

Be it known that I, FREDRICK EGGE, of Bridgeport, in the county of Fairfield and in the State of Connecticut, have invented certain new and useful Improvements in Powder-Cans; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention relates to the ordinary sheet-metal powder-cans; and it consists in the construction of the mouth of such can, and of the cap for covering the same, as will be herein-after more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which represents a side elevation of a powder-can with the upper portion, embodying my invention, in section.

A represents an ordinary sheet-metal powder-can, of any suitable dimensions. This can is provided on the top with a short spout or nozzle, B, provided with exterior screw-threads, leaving the inside of said spout or nozzle perfectly smooth. The cap for closing the spout or nozzle B is made of a hard-metal case, C, lined with lead or other soft metal, D, in which latter the female-screw threads are formed to screw on the spout, the exterior case C keeping the soft-metal filling from bending or otherwise getting out of shape. The cap C is formed with an enlarged head, as shown, so that when the soft metal is run in to form the lining it will fill this enlarged head, and thus the lining be held therein, and can, under no circumstances, slip out. At the base of the spout or nozzle B is formed an enlargement, E, somewhat in the shape of an inverted funnel, which facilitates the pouring out of the powder from the can.

In the powder-cans now generally in use the spout is provided with interior screw-threads, and a lead or soft-metal plug is screwed into the same to close it. This is objectionable for several reasons. The powder is apt to get into the female threads of the spout, and sometimes cause ignition of the powder by friction. Furthermore, the plug being of soft metal is liable to become bent out of shape.

By my invention the interior of the spout is smooth, and there are no screw-threads for the powder to lodge in. The cap cannot be bent out of shape, as the hard-metal case C holds the lead filling D in proper shape.

I am aware that drinking-flasks have been provided with caps to screw on the outside of a spout or nozzle, but such caps have not been provided with a soft-metal filling, and could for that reason not be used on powder-cans. The soft-metal filling makes a tight joint at all times, and prevents the liability of igniting the powder by any blow on the cap, which it might do if there were two hard-metal surfaces together.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The hard-metal cap C, having an enlarged head, and provided with a soft-metal lining, D, having interior screw-threads cut therein, in combination with the neck B of the can, having exterior screw-threads, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 6th day of October, 1875.

FREDRICK EGGE.

Witnesses:

WM. A. SKINKLE,
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