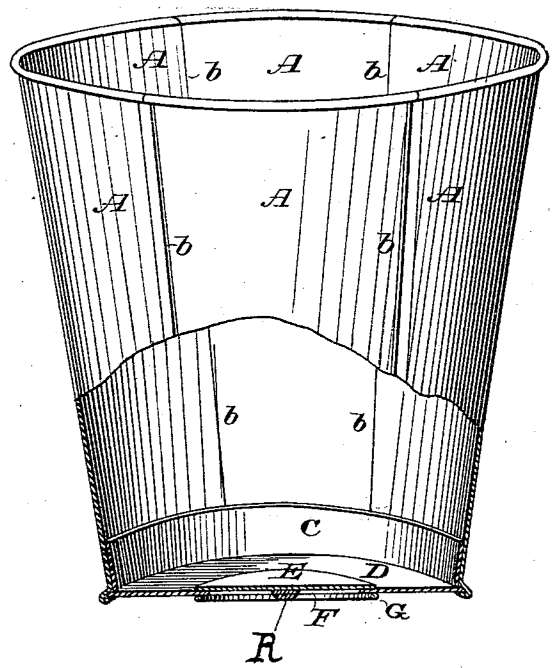
W. G. MOORE.
Tinware Vessel.

No. 213,056. Patented Mar. 11, 1879.



Witnesses:
J. E. Frink
H. A. Moore

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UNITED STATES PATENT OFFICE.

W. GEORGE MOORE, OF INDIANAPOLIS, INDIANA.

IMPROVEMENT IN TINWARE VESSELS.

Specification forming part of Letters Patent No. **213,056**, dated March 11, 1879; application filed June 4, 1878.

To all whom it may concern:

Be it known that I, W. GEORGE MOORE, of Indianapolis, in the county of Marion and State of Indiana, have invented a new and useful Improvement in Tinware Vessels, of which the following is a description, reference being had to the accompanying drawing.

My invention relates to certain improvements in the construction of the bottom of tinware vessels, the object of which is to prevent tinned-iron vessels from oxidation, and also to prevent the bottom from being worn away by attrition.

I am aware that previous to my invention tinware vessels have been made with tinned-iron sides and solid zinc bottoms, also with tinned-iron bottoms provided with indentations, in which plates of zinc have been secured; and also tinned-iron vessels have been made with a band of zinc around the inside at the union of the sides with the bottom, all of which are designed to produce galvanic action and prevent oxidation of the exposed iron portions.

I am also aware that ordinary tinned-iron vessels have been made with an iron-wire ring soldered around the outer edge of the bottom to prevent attrition, and to such devices I make no broad claim.

My invention consists of perforating the tinned-iron bottom of vessels, and covering the opening or hole with a plate of zinc, and also of protecting said zinc plate and bottom of the vessel from injury by rubbing against other substances, and at the same time support the joint between the bottom of the vessel and the zinc plate by securing a metallic ring around said hole, all of which will be hereinafter set forth and described.

In the accompanying drawing my invention is represented by a single perspective view of a tin bucket having a portion of the side and bottom broken away to show the construction of parts more fully.

A A represent the tinned-iron sides of the vessel, with a tinned-iron bottom, D, united in any ordinary manner with a ring or band of zinc, C, soldered fast on the inner side at the union of the side with the bottom.

The bottom D is perforated with one or more holes, F, and said holes are made water-tight by means of covers E of zinc, that are soldered fast to the bottom around the edges of the holes. The metallic wire ring G is also soldered fast to the bottom D around the edge of the holes F, and forms a support to the joint between the bottom of the vessel and the zinc plate E, and also prevents said zinc plate and bottom D from rubbing against other substances, that would soon destroy them.

In the center of the zinc plate E may be soldered a button or knob, R, to further support and protect said plate.

What I claim as new, and desire to secure by Letters Patent, is—

As an article of manufacture, a tinware vessel having a bottom, D, of tinned iron, with a hole, F, covered with a zinc plate, E, and protected from attrition by a ring, G, which also supports the joint between the zinc plate and bucket-bottom, substantially as shown and described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

W. GEORGE MOORE.

Witnesses:
E. O. FRINK,
J. C. FRINK.