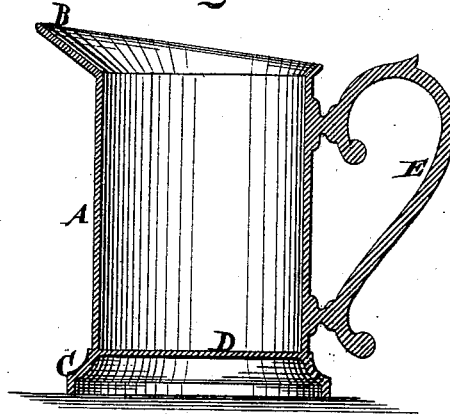


T. SCHMITZ.  
Tin Vessel.

No. 169,046.

Patented Oct. 19, 1875.

Fig. 1.



Inventor.

Theodore Schmitz

per  
Van Santwood & Hauff  
Attors

Witnesses

E. F. Kastenhuber  
Otto Hufeland

# UNITED STATES PATENT OFFICE.

THEODORE SCHMITZ, OF NEW YORK, N. Y.

## IMPROVEMENT IN TIN VESSELS.

Specification forming part of Letters Patent No. **169,046**, dated October 19, 1875; application filed September 9, 1875.

*To all whom it may concern:*

Be it known that I, THEODORE SCHMITZ, of the city, county, and State of New York, have invented a new and useful Improvement in Tin Vessels, which improvement is fully set forth in the following specification, reference being had to the accompanying drawing, in which—

Figure 1 represents a vertical central section. Fig. 2 is a section of the mold, which I use in casting my vessel. Fig. 3 is a sectional view of the body of my vessel with the mold, which I use for casting on the handle.

Similar letters indicate corresponding parts.

This invention relates to a new and improved article of manufacture, consisting of a metallic cup or measuring vessel for malt, spirituous, and other liquors having a body, bottom, foot-flange, and pouring-lip, formed of a single piece of block-tin or britannia metal, provided with a suitable handle, whereby the vessel is made uniform and homogeneous throughout, and the ordinary soldered joints, which are rapidly corroded and injured by the action of the liquors, are avoided.

In the drawings, the figure represents a sectional view of my improved measuring cup or vessel.

The letter A represents the body; B, the pouring-lip; C, the foot-flange, and D the bottom of the cup, the whole constructed of block-tin, britannia metal, or other similar alloy, by coating or molding, the surface being afterward turned up or dressed in a lathe, which can be readily effected before the handle is attached. The handle E is constructed of tin, britannia metal, or other alloy, employed for the formation of the body and other parts of the cup or measure, and is united or attached to the cup by casting it thereon during the process of its formation in such manner as to form a complete cup or

measure of a solid, uniform, and homogeneous piece of metal, with no soldered joints to be injured and corroded by the action of wine, beer, vinegar, or other spirituous or malt liquids, which said cups are usually employed for measuring.

The advantages of the measure over the ordinary sheet-metal vessels heretofore used will be apparent. Such vessels, as heretofore constructed, with the several parts separately formed and united with solder, not only required much time in putting said parts together, but, as they had necessarily to be united by a metal or alloy of different nature from the sheet metal employed in the construction of the parts, were liable to be rapidly eaten through at the joints owing to the electrical action of the different metals upon each other in presence of the malt or spirituous liquors which they were employed to measure. These objections, as is evident, are overcome in the present invention, for the reason that the whole vessel is formed of one metal throughout, and virtually in one solid piece.

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

As a new article of manufacture, a measuring-cup for malt, spirituous, or other liquors, consisting of a body, A, bottom D, foot-flange C, and lip B, formed of a single piece of block-tin, or britannia metal, and having a handle, E, of the same metal attached thereto, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 4th day of September, 1875.

THEODORE SCHMITZ. [L. s.]

Witnesses:

W. HAUFF,  
E. F. KASTENHUBER.