

(No Model.)

W. T. SALIE.
VESSEL FOR CONTAINING LIQUIDS.

No. 296,788.

Patented Apr. 15, 1884.

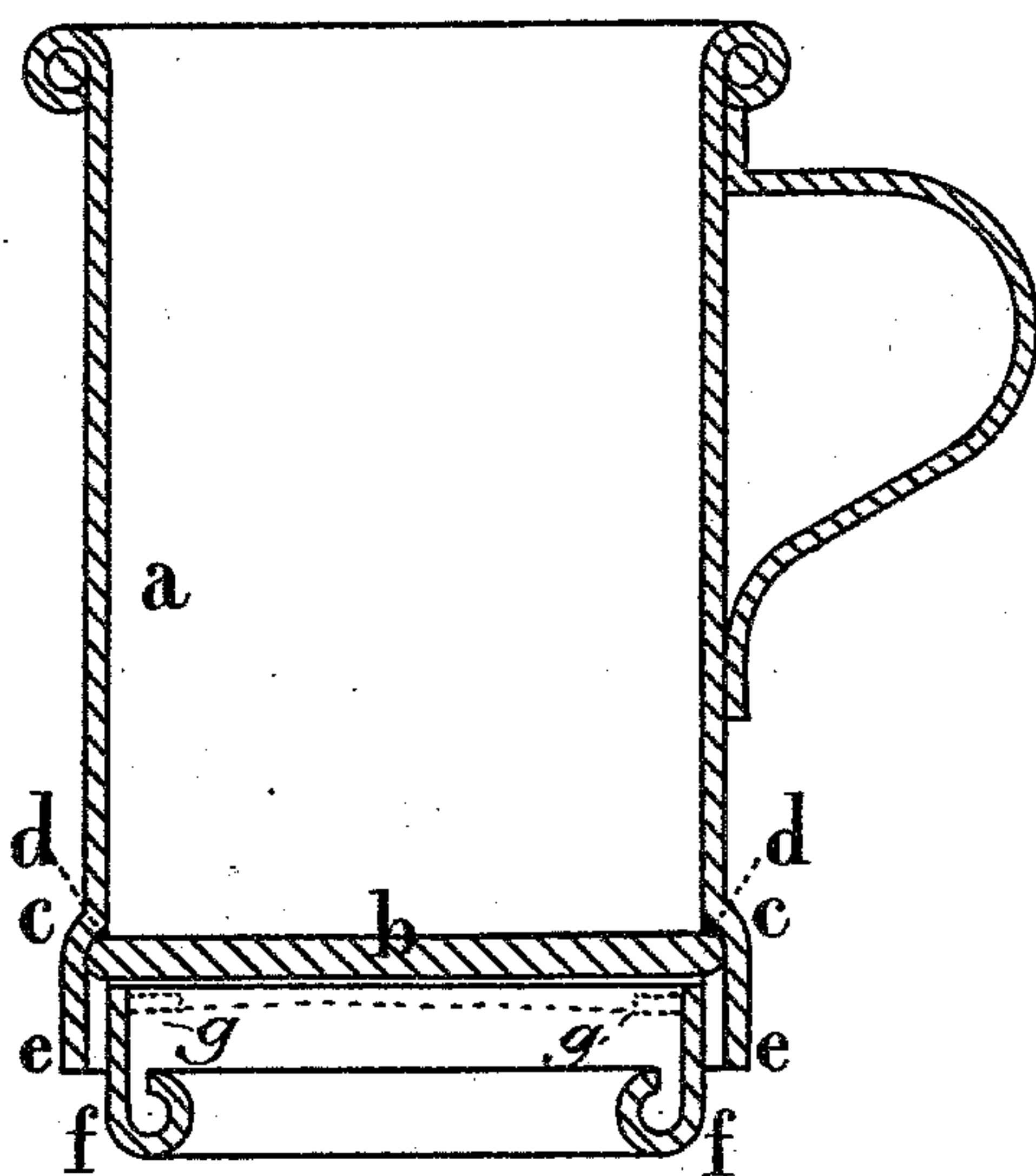


FIG. 1.

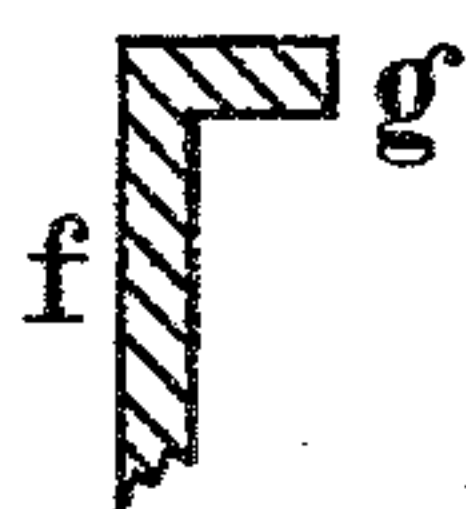


FIG. 2.



FIG. 3.

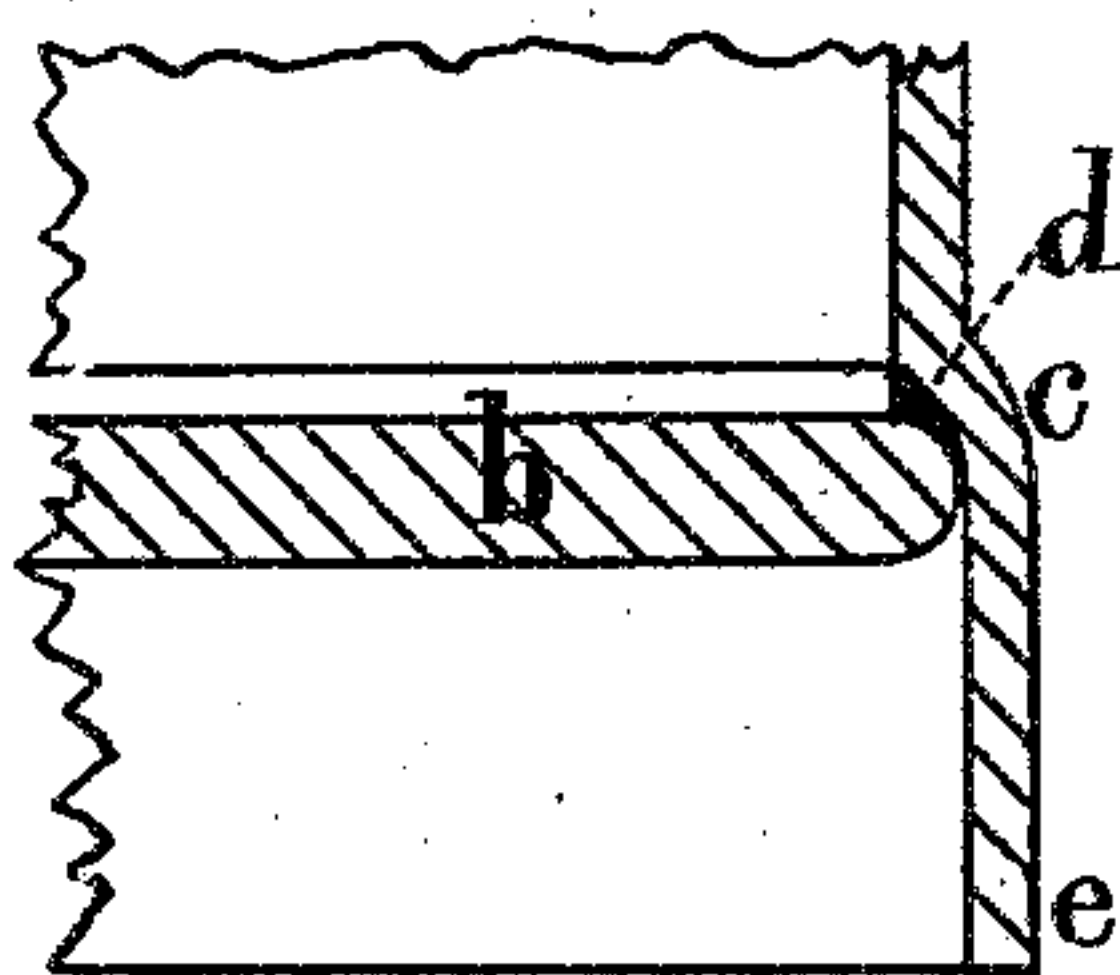


FIG. 4.

WITNESSES:

Chas. H. Kimball.
John P. Fenigan.

INVENTOR:

William Thompson Salie.
Per Atty.
William Henry Clifford

UNITED STATES PATENT OFFICE.

WILLIAM THOMPSON SALIE, OF BOWDOINHAM, MAINE.

VESSEL FOR CONTAINING LIQUIDS.

SPECIFICATION forming part of Letters Patent No. 296,788, dated April 15, 1884.

Application filed December 14, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM THOMPSON SALIE, of Bowdoinham, in the county of Sagadahoc and State of Maine, have invented certain new and useful Improvements in Vessels for Containing Liquids; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 is a side elevation in section. Fig. 2 is an edge view in section of the ring furnished with the flange. Fig. 3 is a view in section of the ring having a wire at its bottom. Fig. 4 is a detail enlarged to show the packing. Same letters show like parts.

My invention relates to mugs, dippers, and other metal vessels for holding and containing liquids.

a shows an ordinary tin dipper without a metal bottom. It has instead of the metal bottom a disk of glass, *b*, placed and secured therein in the manner I shall hereinafter describe.

The walls of the vessel are made with an interior shoulder and groove, *c*, near the bottom, and extending entirely around the interior periphery of the vessel. The glass disk *b* fits into this groove or channel. A packing, *d*, is provided to insure tightness. A flange, *e*, extends a short distance below the point where the groove and shoulder *c* is made. Within this flange is fitted a metal ring, *f*, and it is soldered to the inner face of the flange *e*. The lower edge of the flange *e* does not extend to the lower edge of the ring *f*, but it is soldered thereto. The vessel rests when standing on the bottom edge of the ring *f*. It is in this manner that the glass bottom is secured and

held in place. The ring *f* may have a slight lip, *g*, if desired, to rest up against the under surface of the glass disk *b*, to aid in holding it firmly and securely in position. In some instances the lower edge of the ring *f* may be furnished with a wire, *h*, around which the metal of the ring is folded to give additional stiffness to the ring, and consequently to the bottom flange.

For drinking-vessels the glass bottom is very agreeable, and is also readily kept clean, dirt upon the bottom being easily discerned by reason of the transparency of the glass. Aside from liability to fracture, the glass is more durable than metals—tin, for example. The danger of cracking or breaking on account of the fragile nature of the glass is much diminished by the flange *e*, projecting below the bottom. A broken bottom, moreover, can be readily replaced by unsoldering the ring *f*, inserting a glass disk, and restoring the ring to place again.

What I claim as my invention, and desire to secure by Letters Patent of the United States, is—

1. The metal vessel *a*, having the glass bottom *b*, in combination with the groove or channel *c*, flange *e*, the ring *f*, lip *g*, and a suitable packing, the several parts being soldered, as herein set forth.

2. The metal vessel *a*, having the glass bottom *b*, in combination with the groove or channel *c*, flange *e*, the ring *f*, wire *h*, and lip *g*, and a suitable packing, the several parts being soldered, as herein set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

WILLIAM THOMPSON SALIE.

Witnesses:

A. H. DRUMMOND,
SAML. DONNELL.