J. N. TAYLOR.

Hinge for Earthenware or Glassware.

No. 227,137. Patented May 4, 1880.



Fig. 1.

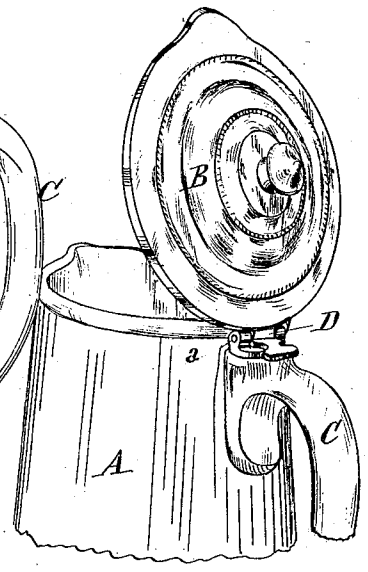


Fig. 2.

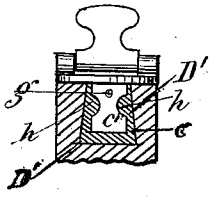


Fig. 3.

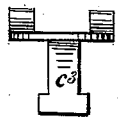


Fig. 5.

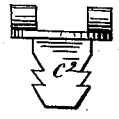


Fig. 4.

Witnesses

Charles R. Collon

James J. Dickson

Inventor John N. Taylor

By Attorney Wm. M. Cuthbert

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOHN N. TAYLOR, OF EAST LIVERPOOL, OHIO, ASSIGNOR TO KNOWLES, TAYLOR & KNOWLES, OF SAME PLACE.

HINGE FOR EARTHENWARE OR GLASSWARE.

SPECIFICATION forming part of Letters Patent No. 227,137, dated May 4, 1880.

Application filed June 13, 1879.

To all whom it may concern:

Be it known that I, JOHN N. TAYLOR, of the town of East Liverpool, in the county of Columbiana and State of Ohio, have invented a new and useful Improvement in Hinges for Earthen or Glass Ware, which improvements are fully set forth in the following specification and accompanying drawings.

The invention relates to the attachment of hinges to earthen or glass ware.

The object of my invention is the attachment of the hinge or hinges to the ware in a cheap, simple, and durable way, whereby all breakage is avoidable and the lid or part hinged to the vessel will fit it properly. This I accomplish by forming a mortise in the upper part of the handle where it connects with the vessel, or in any other part of the rim, as may be required, and constructing the wing of the hinge into a tenon of such size that it will freely enter said mortise. The other wing of the hinge being attached to the lid, cement is placed in the mortise. The tenon of the hinge is then forced down into the mortise while the cement is yet soft, and the lid adjusted to the vessel, and the cement soon hardens and holds the hinge and lid firmly in place.

The invention is shown in detail in the accompanying drawings, to which reference is had, and they are hereby made a part of this specification.

Figure 1 is a vessel provided with my invention. Fig. 2 is a perspective view of the same, the lid being open and only the upper part of the vessel shown. Fig. 3 is a detail of that portion of the vessel containing the mortise, all of the handle being removed except the parts at each side of the mortise, which are shown in vertical section, the tenon being inserted and bound in the mortise by the surrounding cement. Figs. 4 and 5 show certain forms in which the tenon may be made.

In the drawings all similar letters of reference indicate like parts.

A is the vessel; B, the lid; C, the handle; D, the hinge. c' is the tenon of the hinge, provided with one or more projections, g, or notches h, or it may be made in the forms (c^2 c^3) shown in Figs. 4 and 5, or any other regular or irregular shape which will allow the cement to take bearing on it. c is the cement which fills the mortise D′ around the tenon. This mortise does not pass entirely through, but is a socket having a closed bottom, which is slightly larger at its lower end than at its mouth, so that the cement, when hard, becomes a plug dovetailed in the mortise.

I also desire to say that in place of forming a tenon on the hinge a piece of wood may be substituted therefor, and be either slightly wedged or cemented in the mortise, and an ordinary hinge be attached to the lid by one wing, and the other wing screwed to the wooden plug; or the mortise may be filled with a soft-metal plug in place of the wood. These various ways I regard as equivalents; and, further, I would say that I do not wish to be understood as confining myself to any particular form or shape of the tenons, as they may be made of any shape that will provide bearing-points for the cement or plug.

Having thus described my invention and its construction, what I claim, and desire Letters Patent for, is—

1. The improvement in hinging covers to earthen or glass ware, as described—that is to say, the hinge D, provided with an elongated tang or wing, the mortise D′, and a plug of cement, all combined, arranged, and operating as and for the object set forth.

2. In an earthen or glass ware vessel, the handle provided in its upper part near the vessel with a mortise extending partly into and forming a socket to receive a tenon, substantially as and for the purpose described.

JOHN N. TAYLOR.

Witnesses:
H. S. KNOWLES,
WM. M. CUTHBERT.