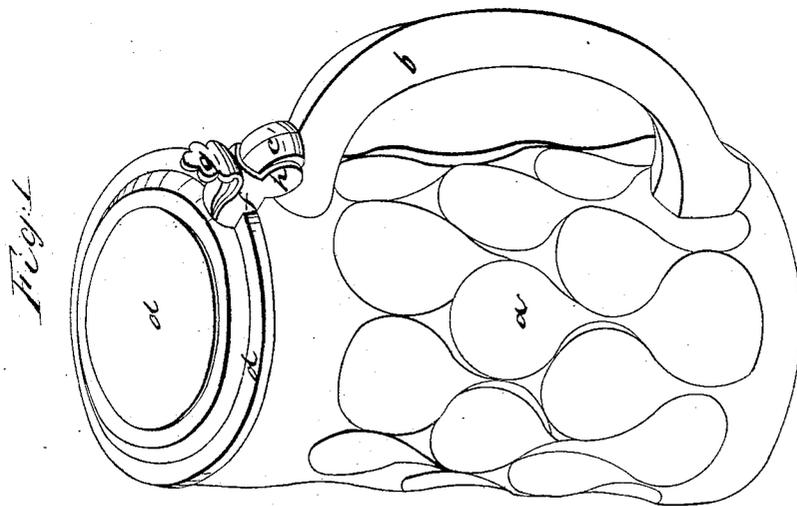
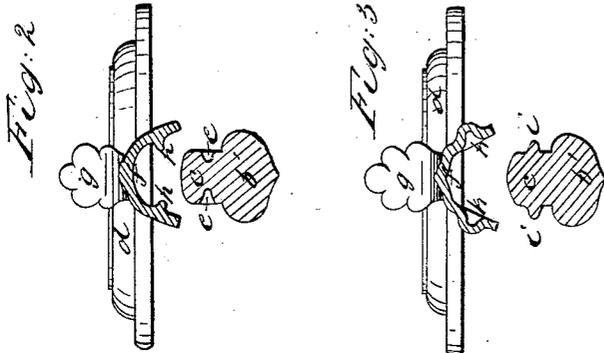


R. D. Bryce,

Pitcher Cover,

No. 29,666,

Patented Aug. 21, 1860.



Witnesses:
W. Bakewell
M. G. Cushing

Inventor
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UNITED STATES PATENT OFFICE.

ROBERT D. BRYCE, OF EAST BIRMINGHAM, PENNSYLVANIA.

ATTACHMENT OF COVERS TO GLASS VESSELS.

Specification of Letters Patent No. 29,666, dated August 21, 1860.

To all whom it may concern:

Be it known that I, ROBERT D. BRYCE, of East Birmingham, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in the Mode of Attaching Metallic Covers to Mugs, &c.; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective representation of a glass mug, with a metallic cover attached thereto on my improved plan. Fig. 2 is a side view of the metallic cover, detached from the mug showing a vertical section of the hinge piece, and the handle of the mug in the same plane. Fig. 3 is a view of the cover and part of the handle of a mug similar to Fig. 2, showing a slight modification of the mode of attachment.

In the several figures, like letters of reference denote similar parts.

There are several articles of domestic use, which it is convenient to furnish with metallic covers, to open readily with a hinge, such as lager-beer mugs, cream-pitchers, molasses-pitchers, and other vessels. These metallic covers are made with a hinge usually placed near the handle, the hinge piece being in two pieces, united by a pin or pivot, the upper hinge piece being united to, and forming part of the cover, and the lower hinge piece being attached to the vessel and thereby securing the cover to the vessel. It has been found difficult, however, to unite the lower hinge piece of the cover to the vessel, so as to form a neat and workmanlike job, without casting it on to the handle of the mug, pitcher, &c., but this is expensive in itself, and is very apt to break the vessel, if it be made of glass ware.

My improvement consists in attaching the upper hinge piece of the cover immediately to the handle, or to a projection on or near the rim of the vessel, so as to dispense with the lower hinge piece of metal.

To enable others skilled in the art to make and use my improvement, I will proceed to describe it more fully.

In the drawing *a* is a lager beer mug made of glass ware.

b is the handle, also of glass. At the top of the handle, and close to the outer surface of the rim of the mug, is a knot or protuberance *c* also of glass and made a part of

the mug and handle. This knob is rounded on the back part, and has straight flat sides, excepting that on either side, at the points where the center of motion of the cover hinge is to be, there is a small indentation or circular hole *e* made by the mold (if the mug is pressed in a mold) or by a tool (if made by hand). These indentations *e e* are shown in Fig. 2, where *b'* is a vertical section of the top of the handle, through the knob. This is the only change made in the construction of the mug itself, and is manifestly equally applicable to any other vessel, whether made of glass or earthenware or china.

The metallic cover *d* is made to fit the top of the mug or vessel, the inner edge of the cover fitting the rim of the vessel whether it be circular and plane or otherwise. Projecting from the cover, at the proper point to suit the knob *c* is the hinge piece *f* which is attached to the cover, and may be made of one piece with it.

It consists of two ears or flaps, which descend so as to embrace the knob *c* one on each side. Inside of each flap is a projecting pin *h*, placed so as to fit into the corresponding holes *e e* in the sides of the knob *c* of the handle; and on top of the hinge piece *f* is a thumb piece *g*, by which the cover may be readily raised at pleasure. The mode of attaching the cover to the knob is simply to place the flaps of the hinge piece *f* over the sides of the knob *c* and press them together, so that the pins *h h* will enter the indentations *e e*. If the hinge piece is made of metal, having sufficient elasticity, it may be made so as to be forced over the knob, the pins *h h* springing into their holes in the knob. Thus the cover will be securely attached to the vessel, the hinge will not be at all liable to get out of order, and the article is manifestly more cheaply made, as the fitting together of two metallic hinge pieces is entirely dispensed with, as well as the making of a lower hinge piece of metal. A slight variation of this method of constructing and attaching the cover and handle is shown in Fig. 3, where instead of having indentations in the knob *c* there are projections *i i* at the place where the center of motion of the hinge of the cover *d* is designed to be. These projections serve as pivots for the hinge piece to turn upon, there being on each ear or flap *f* of the hinge piece a corresponding hole *k* to receive the

pin or projection. The cover is otherwise similarly constructed to that shown in Figs. 1 and 2, and already described.

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

Attaching metallic covers to mugs, pitchers or other vessels of glass or earthen ware, by hinging the upper hinge piece of the cover immediately to the handle of the ves-

sel, or to a knob or projection on or near its rim, thus dispensing with a lower hinge piece of metal, substantially in the manner and for the purposes hereinbefore set forth.

In testimony whereof, the said ROBERT D. BRYCE hath hereunto set his hand.

ROBERT D. BRYCE.

Witnesses:

W. BAKEWELL,
M. G. CUSHING.