H. WRIGHT.

HINGES FOR SECURING LIDS TO GLASSWARE.

No. 175,810. Patented April 4, 1876.

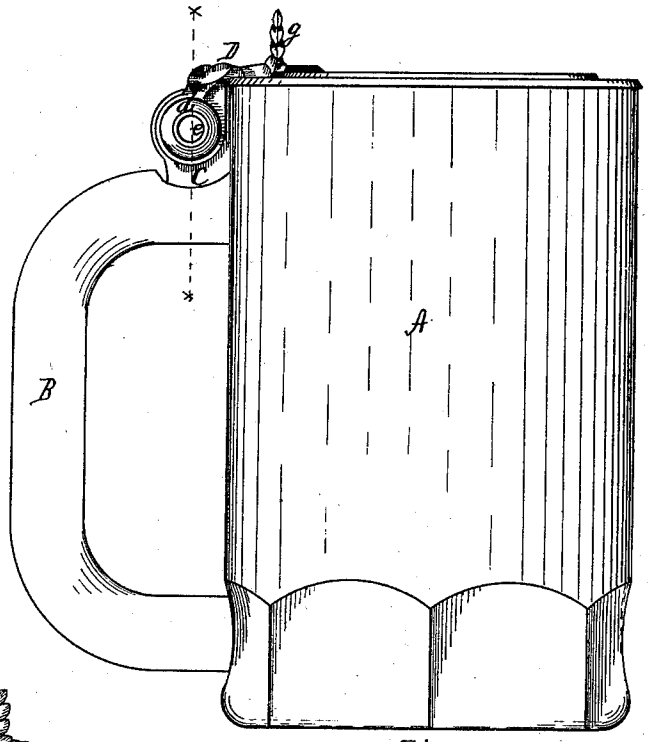

Fig. 1.

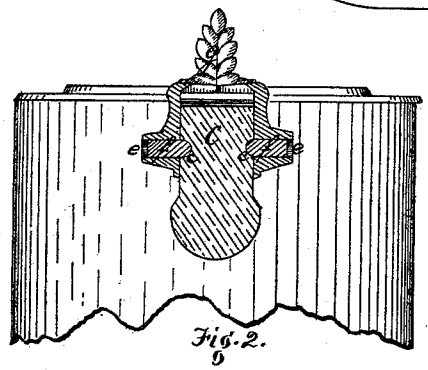

Fig. 2.

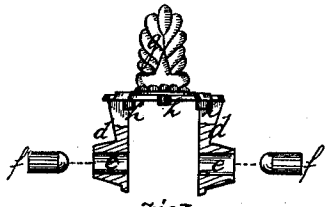

Fig. 3.

Witnesses.

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HOMER WRIGHT, OF PITTSBURG, PENNSYLVANIA.

IMPROVEMENT IN HINGES FOR SECURING LIDS TO GLASSWARE.

Specification forming part of Letters Patent No. **175,810**, dated April 4, 1876; application filed October 15, 1875.

To all whom it may concern:

Be it known that I, HOMER WRIGHT, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Hinges for Securing Lids to Glassware; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 is a side view of a glass mug to which my improved hinge is applied. Fig. 2 is a sectional view through the line *x x*, Fig. 1. Fig. 3 is a front view of the hinge, a portion being broken away to show the pintles.

Like letters of reference indicate like parts in each.

My invention relates to the hinges of metallic and other lids for glass or earthen ware pitchers, jugs, beer-mugs, and similar vessels; and it consists in providing movable pintles in the hinge whereby the lids can be applied to the vessel without springing or bending the hinge out of place.

Heretofore, in the manufacture of these hinges for articles of glassware, the hinge and pintles have been cast solid, and the hinge was bent open and then closed upon the glass, the pintles fitting into the recesses of the glass. This was objectionable, as the hinge could not be made tight. By my invention this objection is entirely overcome.

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

In the drawing referred to, my invention is shown as applied to a beer-mug, A, having the handle B, above which, close to the mouth of the mug, is the lug C. On either side of the lug C are indentations, *c*, into which the pintles of the hinge fit, the remainder of the sides being perfectly flat and parallel to each other. The metallic hinge D may be made of any any suitable alloy, cast in metal molds provided for that purpose. The arms *d* of the hinge are made so as to embrace the lug tightly and present a broad bearing-surface upon the glass. In these arms *d*, directly opposite the indentations *c*, are the slots *e*, through which the pintles *f* pass. In the drawing, the hinge D is provided with a thumb-piece, *g*, to operate the lid. The lid is attached to the hinge by means of the rivets *h*, or in any suitable manner. The pintles *f* may be made of brass or sheet-metal filled with a suitable alloy, or the points may be made of hard metal and the body of lead or of any suitable material. I have found that an alloy composed of lead and antimony answers every purpose for casting pintles. The working ends of the pintles are shaped to correspond with the indentations in the glass lug.

The manner of applying my improved hinge is as follows: The lid is fastened to the hinge by means of the rivets *h*. The hinge is then passed over the lug C, the slots being brought opposite the indentations, the pintles *f* pressed into the recesses or indentations *c* in the glass through the slots *e* in the hinge, and the metal slightly riveted over the pintles to prevent their coming out. The pressing and riveting is all done by one squeeze of a pair of pinchers, the jaws being shaped to fit the work. Any variation about the glass is overcome by pressing the pintles home, more or less, so that the lid can always be hinged up tight without disturbing the shape of the hinge.

The advantages of my invention are, that, on account of the facility of manufacture and fitting together, and as the hinge does not require to be bent, the cheapness of the material used, lidded articles of this class can be produced at a cost much below that of the old process. The method of hinging is also very effective, and as the lids and hinges are made of uniform size and shape, and put together by machinery in great quantities, so that one is an exact duplicate of another, they can be transported with the pintles to the factory where the vessels are made, and there attached to the vessels by any common workman. A perfect hinge is always secured, because a rigid metal may be employed in the hinge, and there being no spring or give to the

hinge, there is no liability of the hinge working loose.

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

A hinge for attaching lids to glass and similar ware provided with detachable or movable pintles, substantially as specified.

In testimony whereof, I, the said HOMER WRIGHT, have hereunto set my hand.

HOMER WRIGHT.

Witnesses:
W. N. PAXTON,
JAMES I. KAY.