C. L. KNECHT.

COVERED GLASSWARE.

No. 192,769. Patented July 3, 1877.

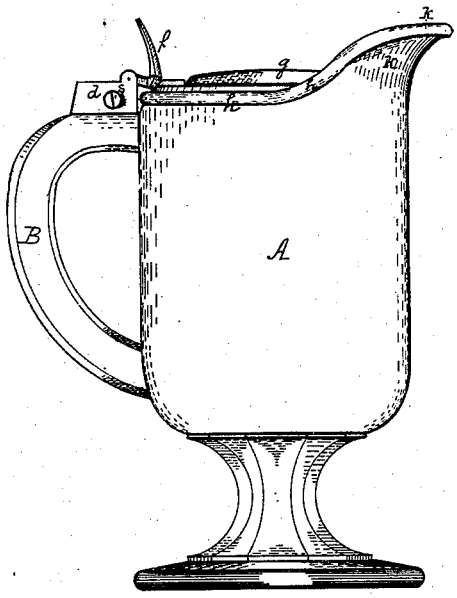

Fig. 1.

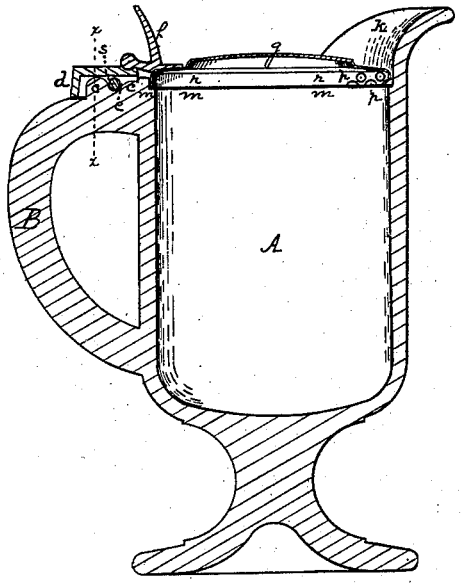

Fig. 2.

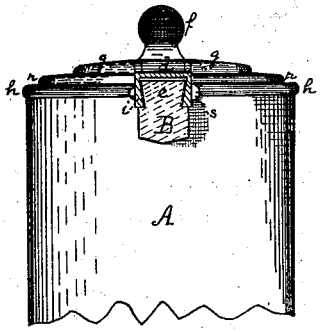

Fig. 3.

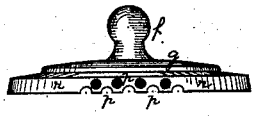

Fig. 4.

Witnesses.

R. F. Whitehead

M. M. Wood

Inventor.

Charles L. Knecht

by his Attorney

James F. Hay

UNITED STATES PATENT OFFICE.

CHARLES L. KNECHT, OF PITTSBURG, PENNSYLVANIA.

IMPROVEMENT IN COVERED GLASSWARE.

Specification forming part of Letters Patent No. **192,769**, dated July 3, 1877; application filed April 7, 1877.

To all whom it may concern:

Be it known that I, CHARLES L. KNECHT, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a certain new and useful Improvement in Covered Glassware; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a side elevation of a pitcher illustrating my improvement. Fig. 2 is a vertical central section of the same. Fig. 3 is a section through the line *x x*, Fig. 2; and Fig. 4 is a detached view of the lid.

Like letters of reference indicate like parts in each.

My invention relates to such articles of glassware as are provided with hinged metallic covers or lids for the purpose of excluding any dust or soot from, or preventing any insects from falling or flying into the contents thereof—such as pitchers, jugs, beer-mugs, and similar articles.

Heretofore the lids have usually been secured to these articles by hinges provided with arms which fit down the sides of lugs on the vessels, and were provided with pintles or screws which passed partly into or entirely through the body of the glass. These connections were objectionable, because of the liability of the pintles to work loose, and because the weight and strain of the lid was thrown onto the small portion of glass into or through which the pintles or screws impinged or passed. In some instances, also, hinges have been constructed with a dovetailed joint or connection with a view to correct these objectionable features; but these hinges are also subject to objections which materially affect their successful introduction into use. The deficiencies in such are lack of strength, neatness, cheapness, and a construction which will admit of the vessel being used either with or without a lid, and in both instances present a neat and finished appearance.

It is the main object of the present invention to improve upon the construction of such hinges, and more especially of those of the last-mentioned class, in which a solid lug or pin upon the hinge is secured between two projecting lugs or ears; and to this end it essentially consists in a dovetailed grooved metallic hinge, constructed and secured upon a dovetailed projection, as hereinafter more specifically described, whereby a finished article is obtained which possesses the advantages set forth.

I propose, also, in connection with my hinged lid, to improve upon the ordinary moustache guards or strainers used with cups, glasses, and the like, and to this end I provide the hinged cover with a series of perforations or small slots in the rim of the same, and next or adjacent to the mouth of the vessel, so that this cover, when closed, will rest upon an annular shoulder within the vessel, as hereinafter described, the strainer may be readily and firmly held in its seat, and at such a distance below the rim or mouth of the vessel as that the strained liquid will collect in sufficient quantity to insure a steady and regular stream from the lip or rim of the vessel.

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

In the drawing referred to, A is the vessel or pitcher, and B the handle thereof. Extending along the top of the handle B is the dovetail lug or projection *c*, the top of which lug is recessed, as at *e*. The metallic hinge *d* is formed with a dovetail-groove, *i*, corresponding to the dovetail-lug *c*, so that when slipped or placed on said lug it will form a joint or connection therewith. The screw or rivet *s*, passing through the hinge *d*, fits into the recess *e* on the lug *c*, and thus secures or keys the dovetail-joint together. It is evident that this keying of the connection could be accomplished in other ways; but I prefer the manner shown, as the screw *s*, passing through both sides of the hinge *d*, clamps them more firmly on the lug. By this means I obtain a neat connection, easily adjusted by the workman, and very substantial, as the joint extends the entire length of the lug. If it is desired to use the vessel without the lid it presents a neat appearance, the lug *c* not disfiguring the handle. The hinge *d* is provided with the thumb-piece *f*, and is secured to the lid *g* in the usual manner.

By pressing the lip *k* and rim *h* of the pitcher

thinner than the body A, I form an annular shoulder, *m*, within the vessel, and below the mouth or lip *k*. The circular or spun lid *g*, secured to the hinge *d*, fits inside the rim *h* and lip or spout *k*, and rests upon the annular shoulder *m*, as shown in Fig. 2. In this way the circular hinged metallic lid *g* can be used with any ewer-shaped or lipped vessel.

When pitchers of this class are used for beer and other malt liquors, the froth or foam of the liquor gathers at the top of the pitcher, and the liquor cannot be poured out without carrying the foam with it. To overcome this difficulty I form on the rim *r* of the lid *g*, next or adjacent to the pouring-spout or lip *k*, one or more perforations or openings, *p*, through which the liquor may be poured while the lid is held down in the pitcher, and prevents the escape of the froth or foam. This I accomplish either by perforating or slotting the rim *r*, or soldering or otherwise fastening wire net-work therein, which will at the same time exclude the soot or dust and form a strainer for the liquid.

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

1. The metallic hinge *d*, formed with a dovetailed groove, *i*, and secured upon a dovetailed projection, *c*, upon the vessel, substantially as shown and set forth.

2. The metal hinge herein described, consisting of a piece, *d*, with a recess, *i*, said recess being dovetailed in vertical section, closed at its end and top, and having a detachable pin or screw, said piece being adapted to fit over a correspondingly dovetailed projection formed on the body of the cup, and having a groove to admit the pin or screw by which said piece *d* is held in position upon the dovetailed projection, substantially as set forth.

3. The hinged lid *g*, provided with a series of perforations, *p*, in combination with the glass vessel A, having an annular seat or shoulder, *m*, formed within the same and below the rim or lip of the vessel, as and for the purposes herein specified.

In testimony whereof I, the said CHARLES L. KNECHT, have hereunto set my hand.

CHARLES L. KNECHT.

Witnesses:

B. L. WOOD, Jr.,

JAMES I. KAY.