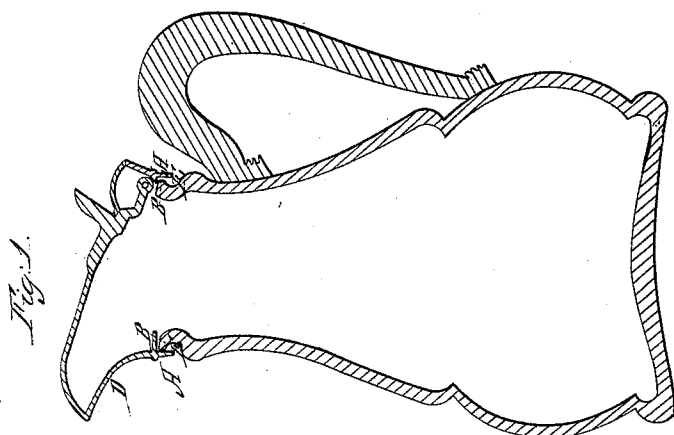
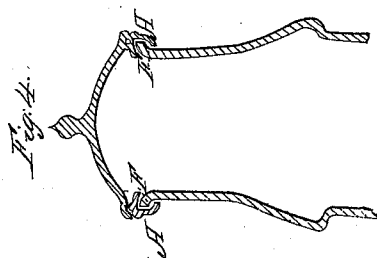
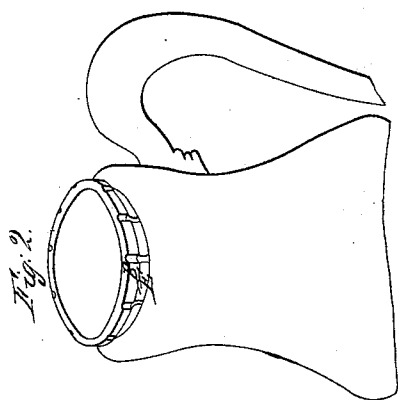
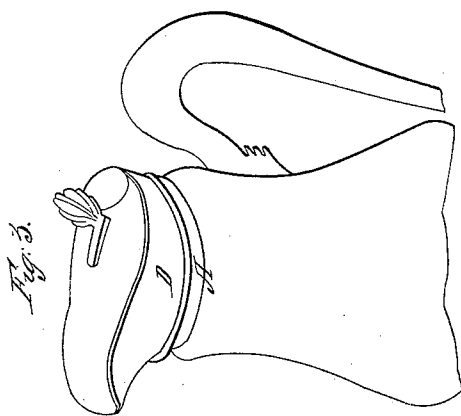


H. Wright

Pitcher

N^o 96,178.

Patented Oct. 26, 1869.



Witnesses:

*Harmon B. Hall
Geo. J. Pope*

Inventor:

Homer Wright

United States Patent Office.

HOMER WRIGHT, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR TO HIMSELF, HENRY H. COLLINS, AND BENJAMIN F. COLLINS, OF SAME PLACE.

Letters Patent No. 96,178, dated October 26, 1869; antedated October 9, 1869.

IMPROVED MEANS OF ATTACHING TOPS TO JUGS, CRUETS, &c.

The Schedule referred to in these Letters Patent and making part of the same.

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 improved Mode of Attaching Jug-Tops to Jugs, as well as Mustard and Pepper-Tops to Caster-Bottles, commonly called Cruets; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, in which—

Figure 1 is a sectional diagram of a jug and top, in which my improvement is shown.

Figure 2 is a perspective view of a top of a jug, showing my improvement in part.

Figure 3 is a perspective view of a jug and top, when attached together by my improvement.

Figure 4 is a sectional diagram of my improvement applied to a mustard-top and cruet.

Similar letters of reference indicate corresponding parts in the several figures.

The nature of my invention consists in forming a flange on the bottom of a jug-top, or cruet-top, and a groove, or ring, around the neck of the jug or cruet, or by flaring the mouth of the jug or cruet, and thus forming a lip, so that when the top is placed on the jug or cruet, and the flange is pressed into the said groove, or over the said ring, or around the said flaring mouth or lip, the top will be attached to the jug or cruet without the use of cement or other mode of attachment.

I make my jugs or cruets of glass, earthenware, or other suitable material, and the tops I make of tinplate, Britannia, or other soft metal, and of different sizes and forms.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe one practical mode of carrying it into effect, viz, in its application to jug-tops.

A is a flange attached to the body D of the jug-top, either by casting it solid with the body in soft metal, or by forming the parts separately, and uniting them together by solder or other means.

B is the neck of the jug, which is made of a size to correspond with the inner diameter of the flange A.

E is a groove encircling the neck B at a proper point from the top of the jug to receive the flange A.

The parts, viz, flange A, neck B, and groove E, being made as described, I place the top upon the jug, as shown in fig. 1, and with a burnisher held in the hand, or other appliance of pressure, I press the lower section or edge of the flange A around and into the groove E, as shown in fig. 3, which forms a connection sufficiently tight for all practical purposes.

It is obvious, that the same result can be attained with the flange A, by forming a convex ring around the neck of the jug, placed either immediately around the top of the neck, or some distance below, or by flaring the mouth of the jug, and forming a lip, as shown at F, fig. 4. It is also plain, that the metallic tops of mustard and pepper-bottles, commonly called cruets, can be attached to the cruets precisely by the same means and appliances described above, as used for attaching jug-tops to jugs.

In jugs made of a smooth substance, such as glass, I find it best to corrugate slightly the said groove, or ring, or flaring mouth or lip, so that in the act of pressing in the flange A, it will partake somewhat of the shape of the corrugations, as shown in fig. 3, which gives the top a firmer hold on the jug or cruet, and prevents its turning. As further security to this end, ribs may be formed on the inner diameter of the flange A, corresponding with the corrugations.

Having thus described my invention,

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

As a new article of manufacture, attaching tops to jugs and cruets by the use of the flange A, in combination with the groove or convex E, ring, or flaring mouth or lip B, on the jug or cruet, when attached together, substantially as described.

HOMER WRIGHT.

Witnesses:

WARREN BROCKET,
GEO. J. POPE.