

J. KOENIG.
 MEANS FOR SECURING HANDLES AND THE LIKE TO RECEPTACLES
 APPLICATION FILED MAY 5, 1919.

1,330,479.

Patented Feb. 10, 1920.

Fig. 1.

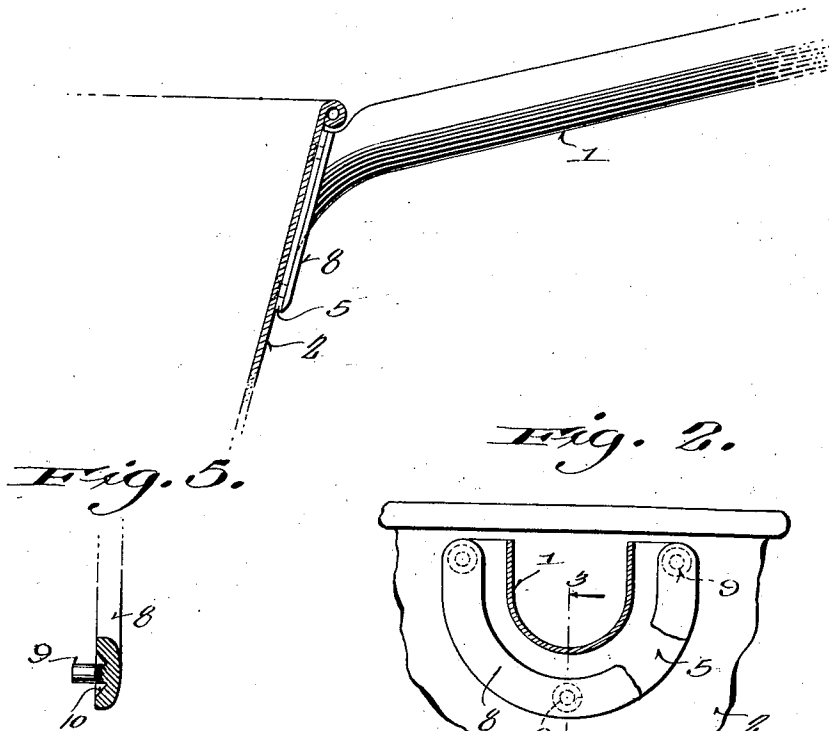


Fig. 2.

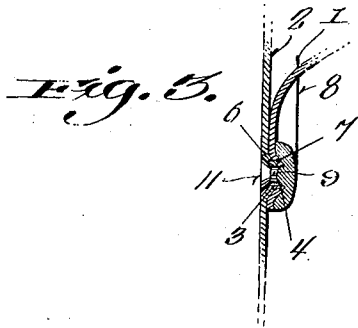
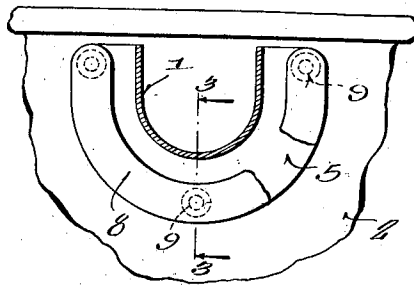
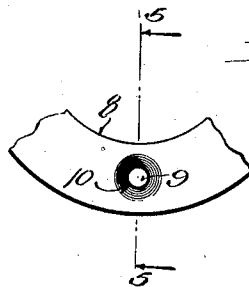


Fig. 4.



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MEANS FOR SECURING HANDLES AND THE LIKE TO RECEPTACLES.

1,330,479.

Specification of Letters Patent.

Patented Feb. 10, 1920.

Application filed May 5, 1919. Serial No. 294,953.

To all whom it may concern:

Be it known that I, JOSEPH KOENIG, a citizen of the United States, and resident of Two Rivers, in the county of Manitowoc and State of Wisconsin, have invented certain new and useful Improvements in Means for Securing Handles and the like to Receptacles; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention refers to new and useful improvements in means for securing the several parts of a device together, as for instance the attachment of a handle to a container.

It is the principal object of this invention to improve upon the attaching means shown, described and claimed in my United States Patent No. 1,032,841, granted July 16, 1912.

A specific object of the present invention is to provide an attaching means including a plurality of rivets which, when properly applied and upset form a flush surface with the wall of the container or other article with which they are used.

Another object is to provide an anti-leak attaching means for the handles, spouts and other parts of culinary and similar vessels.

The invention resides in certain novel features of construction, combination and arrangement of parts which will be hereinafter more particularly described and claimed and shown in the drawing, in which:

Figure 1 represents a detail vertical section through the wall of a receptacle showing a handle attached thereto by my improved method,

Fig. 2 is a sectional view through the handle showing the means for attaching the same to the container in elevation;

Fig. 3 is a detail section taken substantially on the plane of the line 3—3 of Fig. 2.

Fig. 4 is an inner elevational view of a fragment of the securing plate used in my invention and Fig. 5 is a transverse section on the plane of the line 5—5 of Fig. 4.

As illustrative of the application of my invention I have shown in the accompanying drawing a handle 1 secured to the wall of a container 2 by my improved method. It is to be understood, however, that other elements may be secured to containers and the like by my method, such as, for instance, the spouts shown in the above mentioned patent.

In the embodiment depicted the wall of the container 2 is first provided with a number of apertures 3 suitably arranged with

respect to each other and adapted to align with openings 4 of similar size formed in the attaching flange 5 of a handle 1. The container wall immediately surrounding the openings 3 therein is bent or pressed laterally, preferably outwardly to provide counter-sinks 6. The portions of the attaching flange 5 surrounding the openings 4 therein are similarly formed as at 7. When the attaching flange of said handle is engaged with the container wall and the apertures and openings 3 and 4 aligned, the outwardly projecting parts of said wall are seated in the countersunk portion 7 of said flange.

The handle is attached to the container by a securing plate or strip 8, from one side of which extends a plurality of rivet studs 9, the number thereof depending upon the number of apertures in the container wall. The configuration of the securing plate is such as to conform to the article to be attached and the disposition of the rivet openings therein. In the present instance the plate is substantially semi-circular inasmuch as the openings 4 in the attaching flange of the handle are similarly positioned.

At the base of each of the rivet studs 9 the securing plate is annularly recessed as at 10. When the plate 8 is engaged with the flange 5 and the studs 9 disposed within the aligned apertures and openings, the projecting portions 7 of the flange will be disposed in said recesses 10. After all of the parts are properly seated the rivet studs are upset or headed, the heads of each thereof being disposed in the counter-sinks 6 so that the exposed ends thereof will be flush with the inner surface of the container wall.

As hereinbefore intimated various changes may be made in the form and proportion of the several parts described, and in the application thereof, without departing from or sacrificing any of the principles or advantages of the invention as outlined in the appended claims.

I claim:

1. In combination, a receptacle or the like having an aperture, an element to be attached thereto and having an opening to be aligned with said aperture, and a securing plate having a rivet extending therefrom and disposed through said aperture and opening, said plate at the base of the rivet being recessed, the portion of the element around the opening being disposed in said recess when the rivet is upset.

2. In combination, a receptacle or the like having an aperture, an element to be attached thereto and having an opening, said element opening being countersunk by forcing the material surrounding the same laterally, and a securing plate having a rivet stud extending therefrom and disposed through said aperture and opening, said plate at the base of the rivet stud being recessed to receive the counter-sunk portion of said element when said rivet stud is upset.

3. In combination, a receptacle or the like having a counter-sunk aperture, an element to be attached thereto and having an opening to be alined with the aperture, and a securing plate having a rivet stud extending therefrom and disposed through said aperture and opening, the head of said stud being disposed in the counter-sink of said aperture when upset, whereby the same will be flush with the wall of the receptacle.

4. In combination, a receptacle or the like having an aperture, said aperture being counter-sunk by forcing the material surrounding the same laterally, an element to be attached to the receptacle and having an opening to be alined with said aperture, said opening being counter-sunk by forcing the material surrounding the same laterally and in the same direction as the material surrounding said aperture, and a securing plate having a rivet stud extending therefrom and disposed through said aperture and opening,

said plate at the base of the rivet stud being recessed to seat the laterally projected portion of the element surrounding the opening therein, the head of the stud being positioned in the counter-sink of said aperture when upset.

5. In combination, a receptacle or the like having a pair of apertures, an element to be attached thereto and having a pair of openings to be alined with said apertures and a securing plate having a pair of rivet studs extending therefrom and disposed through said apertures and openings, said plate at the base of each rivet stud being recessed, the portions of the element around the opening therein being disposed in said recesses when the rivet studs are upset.

6. The herein described method of attaching parts of articles together, which consists in aperturing one of the articles, aperturing an element to be attached thereto, bending the material surrounding the apertures laterally, alining said apertures, recessing a securing plate around the base of a stud extending therefrom, disposing said stud through said alined apertures and seating said laterally bent portions of the part of said article and said element together and in said recess, thereafter upsetting said stud.

In testimony that I claim the foregoing I have hereunto set my hand at Two Rivers, in the county of Manitowoc and State of Wisconsin.

JOSEPH KOENIG.