

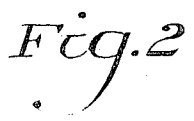
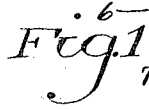
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L. PERCY

COMBINED HANDLE AND LATCH

Filed March 14, 1923



Inventor

Leon Percy

Sig Road & Road Attorneys

UNITED STATES PATENT OFFICE.

LEON PERCY, OF CINCINNATI, OHIO, ASSIGNOR TO THE COOPER CORPORATION, OF CINCINNATI, OHIO, A CORPORATION OF DELAWARE.

COMBINED HANDLE AND LATCH.

Application filed March 14, 1923. Serial No. 625,163.

To all whom it may concern:

Be it known that I, LEON PERCY, a citizen of the United States, and residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in Combined Handles and Latches, of which the following specification is a full disclosure.

This invention relates to a combined handle and latch primarily as means for detachably securing a receptacle cover to its receptacle and for lifting the receptacle, the device as a whole being formed from a single piece of sheet metal.

The subject matter of this invention is divisional in respect to an application for a storage battery container filed by me September 27th, 1922.

An object of the present invention is the provision of a combined handle and latch element, adapted to be secured to a container or receptacle such as a battery container, the device acting as a handle for lifting the container and as means for detachably securing the lid or cover upon the container, two of the devices being generally used and attached, at respectively opposite sides of the container.

Another object of the invention is the provision of a combined handle and clip or latch which may be cheaply manufactured by simple stamping from a single sheet of suitable material and pressed or bent to provide a hand-hold or handle, and aligned curved lips adapted to engage a corresponding groove or recess in the cover.

Other objects and certain advantages will be more fully set forth in the description of the accompanying drawings, forming a part of this application, in which:

Figure 1 is a sectional elevation of a container having a cover thereon detachably locked by my combined latch and handle device.

Figure 2 is a fragmentary face view of the container with my combined handle and latch attached thereto.

The container 1 may be of any suitable dimension and material and in this instance has been shown as a storage battery container. The upper outer edge of the container is notched as at 2 to provide a seat for a cover 3. Two diagonally opposite side walls of the

cover are provided with longitudinal grooves or recesses 4. A pair of combined handle and latch members 5 are secured, respectively at opposite sides of the receptacle by screws 6 and each is composed of sheet metal stamping forming a catch or latch for engagement with the cover to lock the same to the container when the cover is applied, and acting as a handle for raising the container either when the cover is applied or after removal. The clips are duplicates of each other and each comprises a body portion having a plurality of tangs 7 through which the screws 6 extend to attach the clip to the wall of the container. An apertured handle portion 10 extends as a continuation of the body portion and provides a pair of spaced limbs 7^a connected by a cross bar 11 of tubular formation furnishing a hand-hold or handle, the hand-hold being formed by laterally bending and circularly curving the edges of the cross bar portion.

Each handle extends beyond the upper edge of the container wall and slightly above the top surface of the cover when the cover is closing the container. The limbs 7^a are impressed or punched to provide curved ribs 12 for engagement with the longitudinal groove or recess 4 in the side walls of the cover. In the present instance, the side walls of the container are paneled and surfaces are provided which correspond to the contour of the attaching portion of the handle to give an ornamental appearance to the container. The material of the latch is sufficiently resilient to be conveniently flexed when applying and removing the cover to permit the lips or lugs 12 to automatically engage with the groove 4. As the cover is pushed towards the receptacle the lower edge of the same engages the impressed or punched in portions to flex the handles outwardly and as the cover reaches receptacle-closing position the impressed portions snap into the grooves. The combined handle and latch may be very cheaply made and, in performing the double function of a latch and handle, eliminates the necessity for separate devices of that character.

Having described my invention, I claim:

1. A combined latch and handle, comprising a sheet metal plate having aligned crimps, said plate punched to provide an

opening, and tongue, said tongue rolled to provide a hand-hold for said handle, parallel with said crimps.

2. A combined handle and latch, formed by stamping a piece of sheet metal to provide an opening therein adjacent one side of said sheet, the metal at one side of said opening rolled to meet the correspondingly rolled

outer edge of said sheet to form a tubular hand-hold, and the metal at each side of said opening punched to provide aligned projections, said hand-hold and aligned projections parallel to each other. 10

In witness whereof, I hereunto subscribe my name.

LEON PERCY.