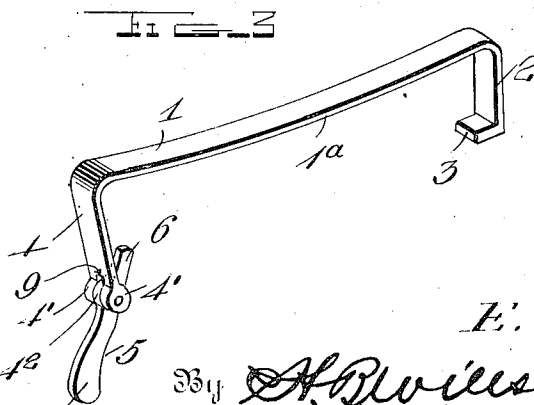
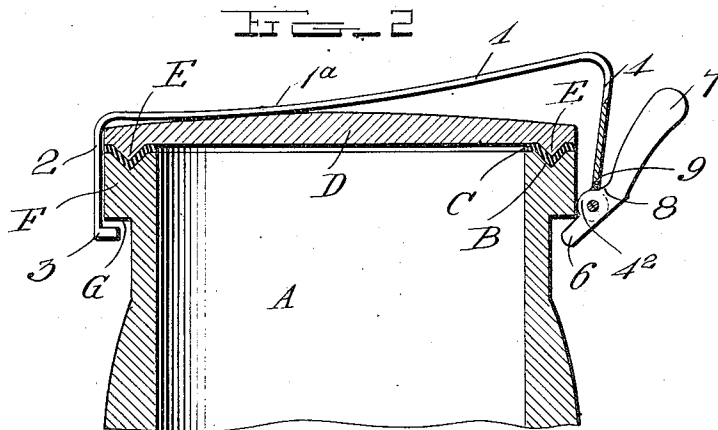
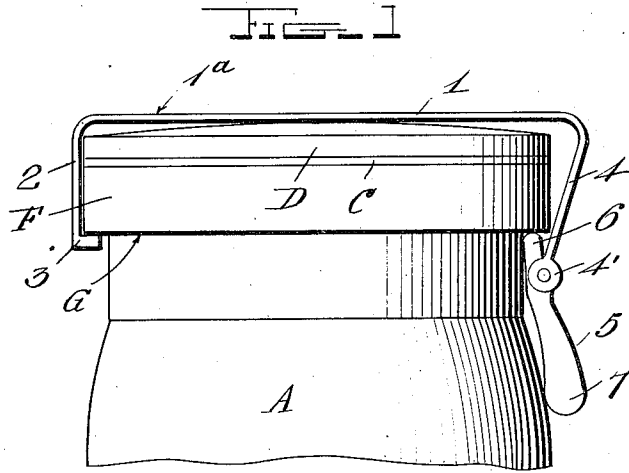


E. C. HILL.
JAR CLOSURE.
APPLICATION FILED APR. 13, 1908.

945,952.

Patented Jan. 11, 1910.



Witnesses

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UNITED STATES PATENT OFFICE.

EDGAR CAMPBELL HILL, OF COLUMBUS, OHIO.

JAR-CLOSURE.

945,952.

Specification of Letters Patent.

Patented Jan. 11, 1910.

Application filed April 13, 1908. Serial No. 426,804.

To all whom it may concern:

Be it known that I, EDGAR C. HILL, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Jar-Closures; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to an improved jar closure.

The object of the invention is to provide a simply constructed cheaply manufactured device for removably clamping an inclosure on a jar or other vessel and which may be quickly applied and removed and which is capable of being used indefinitely.

In the annexed drawing forming a part of the specification in which like reference characters refer to like parts throughout the several views and which are for illustrative purposes only and therefore not drawn to scale, Figure 1 is a side elevation of the upper end of a jar with the improved clamping device applied thereto and with parts of the jar mouth and lid broken away and the locking member in lowered position; Fig. 2 is a similar view with the locking member in raised position; and Fig. 3 is a detail perspective view of the clamping device detached.

In the embodiment illustrated, this improved clamping device is shown applied to a jar A having a groove B formed in the edge of the mouth thereof and having a rubber gasket C disposed thereon over said groove. The lid D is shown provided with an annular rib E on its lower face adapted to fit in the groove B of the jar and to press said gasket C thereinto to form an air-tight closure. This jar is also provided with an annular collar or shoulder F made integral with the mouth thereof to form a laterally extending shoulder G for a purpose to be described.

This improved clamping device 1 is preferably composed of a spring metal strip of a length slightly greater than the diameter of the jar mouth and lid and is adapted to span the top of the jar or other vessel to which it is to be applied. The end 2 of this bar is bent approximately at right angles thereto and has its terminal bent inwardly to form a hook 3 for engagement with the under side of the collar F of the jar. The other end of

the bar is bent in the same direction as the end 2 but is inclined inwardly and terminates in a pair of laterally spaced approximately circular lugs 4¹ between which is pivoted a lug 4² formed at the outer edge of the inner straight portion 6 of the locking member 6. Said end of the locking member extends inwardly beyond the plane of the inner face of the end 4 and is adapted to engage the under side or shoulder formed by the collar or shoulder F of the jar at a point diametrically opposite to the point engaged by the hooked end 3. This lever 5 is provided with an operating handle portion 7 which preferably extends outwardly with its inner face curved to fit the upper curved surface of the jar body. These bent ends 2 and 4 of the bar 1 are formed of a length slightly greater than the combined height of the collar F, the gasket, and the lid. The straight portion 1^a of the bar 1 which extends across the jar is curved downwardly intermediate of its ends to adapt it to closely engage the lid of the jar when the lever is thrown into locking position and thereby firmly hold the lid in air-tight contact with the jar mouth. This bar 1 being composed of spring metal with its straight portion bent downwardly at the center thereof provides for the raising and lowering of the lever 5 and its inner end engaged with the shoulder G of the jar 1 forms a fulcrum for the lever.

To only temporarily hold the lid or closure upon the jar, the clamping member is applied to the jar with the locking member in extreme raised position, when the clamping member proper assumes the position indicated in Fig. 2. The upward swinging movement of the locking member is limited by the outer edge 8 of its inner portion 6 engaging with the wall 9 formed at the inner ends of the lugs 4¹. The clamping member may be removed as a whole from a jar by sliding it transversely therefrom with the locking member in either raised or lowered position.

I claim as my invention:

A clamping member for jar closures comprising a resilient flat metal member having its opposite ends bent in the same direction and the terminal of one of said ends bent inwardly to form a hook for engaging the jar flange, the other end being longer and being inclined inwardly and terminating in a pair of laterally spaced lugs, a locking member pivoted between the lugs of said in-

clined end and having a straight end portion to fit in the recess formed by the neck of the jar and an outer portion forming an operating handle having an outwardly
5 curved edge to fit the upper portion of the jar, the upward swinging movement of the locking member being limited by the engagement of its inner end portion with the wall formed at the inner ends of said lugs
10 and adapted to cause the metal bar to hold the jar closure upon the jar when in its extreme upward or raised position or when in

lowered position, the clamping member being removable as a whole from the jar, with the locking member in either raised or lowered position by sliding it transversely therefrom. 15

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

EDGAR CAMPBELL HILL.

Witnesses:

EARL C. BATES,
JAMES M. HENGST.