

(No Model.)

H. A. & M. M. HICOK.
JAR OR BOTTLE.

No. 570,096.

Patented Oct. 27, 1896.

Fig. 1.

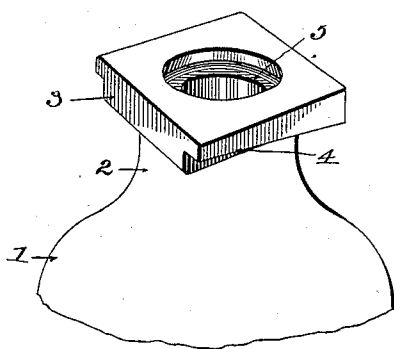


Fig. 2.

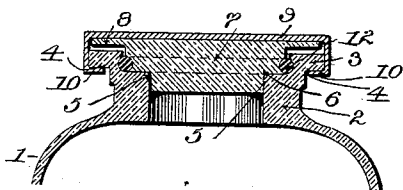


Fig. 3.

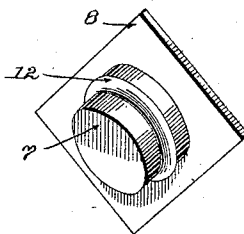
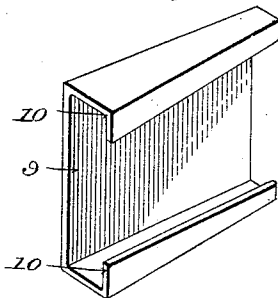


Fig. 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

HIRAM A. HICOK AND MARY M. HICOK, OF VIROQUA, WISCONSIN.

JAR OR BOTTLE.

SPECIFICATION forming part of Letters Patent No. 570,096, dated October 27, 1896.

Application filed October 15, 1895. Serial No. 565,778. (No model.)

To all whom it may concern:

Be it known that we, HIRAM A. HICOK and MARY M. HICOK, citizens of the United States, residing at Viroqua, in the county of Vernon and State of Wisconsin, have invented certain new and useful Improvements in Jugs, Jars, or Bottles, and Stoppers for the Same; and we do hereby 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.

Our invention relates to improvements in fruit-jars, bottles, and similar vessels, and to stoppers for the same and means for holding the stoppers in place; and its object is to provide an improved construction of the same which shall possess superior advantages with respect to efficiency in use.

The invention consists in the novel construction and combination of parts hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a jar constructed in accordance with our invention, the stopper being removed. Fig. 2 is a longitudinal sectional view, the stopper being in place and held by means of the clamp. Fig. 3 is a perspective view of the clamp detached. Fig. 4 is a similar view of the stopper.

In the said drawings the reference-numeral 1 designates the jar, 2 the neck, and 3 the head. This head is rectangular in form and its sides extend outward beyond the neck. On opposite sides the head is formed with an inclined exterior rabbet 4. The said head is also formed with an annular flange 5, forming a seat for the corresponding flange 6 of a stopper 7. This stopper is formed with rectangular top 8, corresponding in shape and size with the said head.

The numeral 9 designates a bail, preferably made of malleable cast-iron, having the sides turned down at right angles and the lower edges inclined and turned inwardly at right angles, forming inclined flanges 10. A rubber gasket 12, preferably square, is interposed between the flange of the stopper and the flange of the head of the jar.

The neck of the jar, above the flange, should

be made to slope inward a very little, thereby making the rubber fit more tightly, and the neck, below the flange, should slope outward a little, and the top of the flange should slope slightly downward, so that the inward rim of the flange will form an acute angle and sink into the rubber gasket when pressure is applied.

The manner of using the invention is as follows: The stopper is inserted in the mouth of the jar and the inclined flanges of the bail engaged with the inclined rabbets in the head, and the bail is then forced inward over the top of the stopper, the edges of said wedges acting as wedges to clamp the bail firmly on top of the stopper and holding the latter securely in place, and by means of the rubber gasket hermetically closing the jar.

A jar and stopper and means for holding the latter in place, as above described, will be found very efficient in use.

The invention can be economically manufactured and the jar will be hermetically closed, thereby preserving the contents thereof for an indefinite time.

Having thus fully described our invention, what we claim is—

The combination with a jar or similar vessel, the neck of which in its inner side is formed with a circular recess with a rounded or curved shoulder, and said neck formed with a rectangular head the sides of which project beyond the neck and formed with inclined rabbets, of the cylindrical stopper reduced at its inner end and formed with a curved or rounded peripheral shoulder and having a rectangular top and the bail consisting of the metal plate having two of its opposite sides bent downwardly and inwardly forming an inclined flange, and the circular washer, substantially as described.

In testimony whereof we affix our signatures in presence of two witnesses.

HIRAM A. HICOK.
MARY M. HICOK.

Witnesses:

C. H. MINSHALL,
R. S. McMECHART.