M. N. HANSON.

JAR HOLDER.

APPLICATION FILED DEC. 9, 1919.

1,383,112. Patented June 28, 1921.

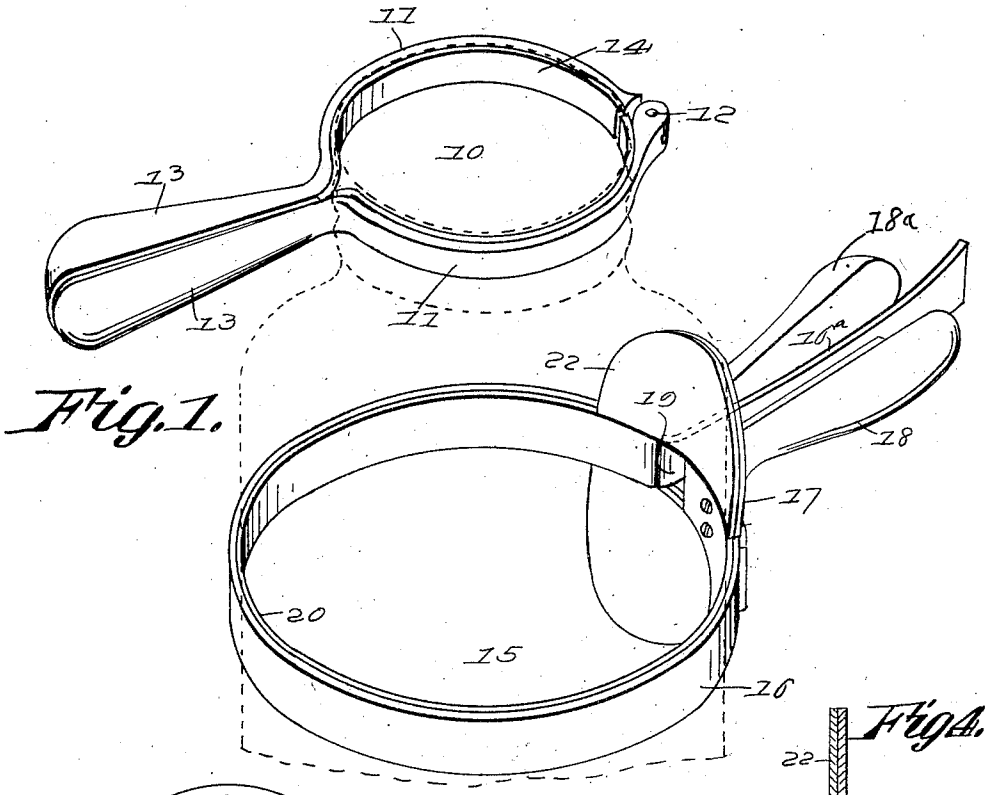


Fig. 1.

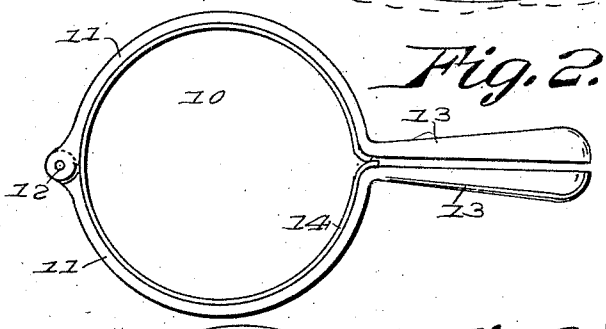


Fig. 2.

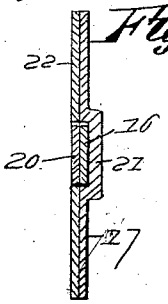


Fig. 4.

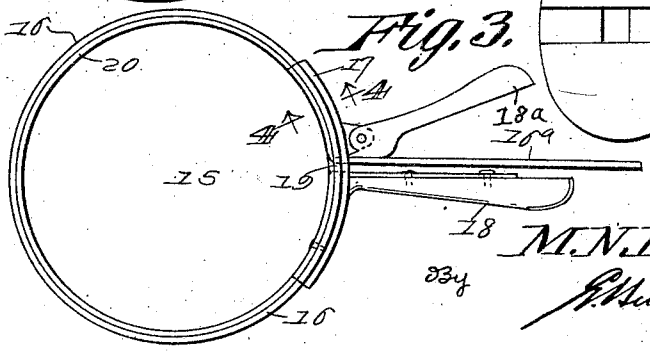


Fig. 3.

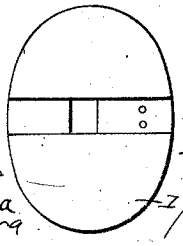


Fig. 5.

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JAR-HOLDER.

1,383,112. Specification of Letters Patent. Patented June 28, 1921.

Application filed December 9, 1919. Serial No. 343,453.

To all whom it may concern:

Be it known that I, MAYNARD N. HANSON, a citizen of the United States of America, residing at Little Rock, in the county of Pulaski and State of Arkansas, have invented new and useful Improvements in Jar-Holders, of which the following is a specification.

The object of the invention is to provide simple and efficient means for securing jar caps of the screw type to preserving jars and the like, and for removing the same with facility without necessitating the grasping of either the jar or the cap in the hands of the operator, to the end that the caps may be properly turned to place when the jars are too hot by reason of their contents, to be handled with convenience or safety, and also to the end that caps may be removed, without distorting or disfiguring the same, from the jars when by reason of sealing material or the dried juices of the contents they have become secured in place in such a way as to effectually resist an attempt to remove the same by hand.

With these and related objects in view the invention consists in a construction and combination of parts of which a preferred embodiment is shown in the accompanying drawing, wherein:

Figure 1 is a perspective view of the jar cap and jar body members of the apparatus applied in the operative position to a jar which is indicated in dotted lines.

Fig. 2 is a plan view of the jar cap engaging member of the apparatus.

Fig. 3 is a similar view of the jar body engaging element.

Fig. 4 is a sectional view on the plane indicated by the line 4—4 of Fig. 3.

Fig. 5 is an elevation of the inner surface of the guard plate forming an element of the jar body engaging member.

The apparatus consists essentially of a jar cap engaging member 10 consisting of approximately semi-circular jaws 11 hingedly connected at 12 and provided respectively with handle elements 13 combining to form a grip by which the jaws may be held in engaging relation with the perimeter of the jar cap for the purpose of imparting rotary movement thereto either in screwing the cap to place or in removing the same, said jaws being faced at their inner surfaces by a frictional lining 14 of leather or other material which is of a yielding quality and will afford a frictional engagement to prevent the slipping of the jaws as the effort is made to turn the cap relative to the jar. The other or jar body engaging member 15 of the apparatus consists of a yielding band 16 to one terminal of which is secured a guard plate 17 carrying handle members 18 and 18ª and inwardly concaved to fit the curvature of the side of a jar, the other extremity of said band being free to move relative to the guard and extending through a guide opening 19 therein with its extremity disposed adjacent to the handle 18 to be engaged by the cam element on the handle 18ª which is pivotally mounted on the guard, as indicated in Fig. 1. The band 16 is flexible to adapt it to snugly encircle the jar body, the adjustment being effected by drawing the loose end 16ª thereof through the guide opening 19, and preferably said band is provided with an inner frictional surface 20 of rubber or the equivalent thereof so as to afford a frictional engagement with the jar to resist any tendency of the latter to turn in the clamp as an effort is made to turn the cap either in applying or removing the same. The guard plate 17 may be of metal or other rigid material channeled transversely as shown at 21 to form seats for the extremities of the flexible band 16, and the inner surface of said plate is fitted with a frictional lining 22 which affords a broad frictional bearing against the surface of the jar body.

In applying the jar engaging or holding member to the jar the free end 16ª of the band may be backed through the guide opening 19 to enlarge the band sufficiently to slip freely over the jar, after which said free end should be drawn tight and then grasped by the hand which is used to hold the handle 18 and thus held to lock the jar against turning movement while the other hand of the operator is used in connection with the cap engaging member to turn the latter in one direction or the other, according to whether the cap is being removed or applied.

What is claimed is:

1. A jar body holding device having a frictionally faced bearing plate interiorly concaved for contact with the surface of a jar body and provided with interior alined grooves forming seats, a handle rigidly connected with said plate, and a flexible frictionally surfaced band engaging said seats in the bearing plate, one of the terminals of the band being secured to the plate and the other

being extended through a guide opening to lie adjacent to and in grasping relation with said handle.

2. A jar holding device consisting of a bearing plate provided with an integral handle and with a guide opening adjacent the point of juncture between it and the handle, a flexible frictionally faced band attached at one extremity to said plate and extending at the other extremity through the said guide opening to lie against said integral handle, and a handle element pivotally attached to the plate adjacent said opening but on the opposite side thereof from the integral handle, the said pivotal handle being formed with a cam element adjacent its pivoted end to effect biting engagement on said band in conjunction with said integral handle.

In testimony whereof I affix my signature.

MAYNARD N. HANSON.