

L. C. SNYDER.
JAR HANDLING DEVICE.
APPLICATION FILED NOV. 24, 1919.

1,358,593.

Patented Nov. 9, 1920.
2 SHEETS—SHEET 1.

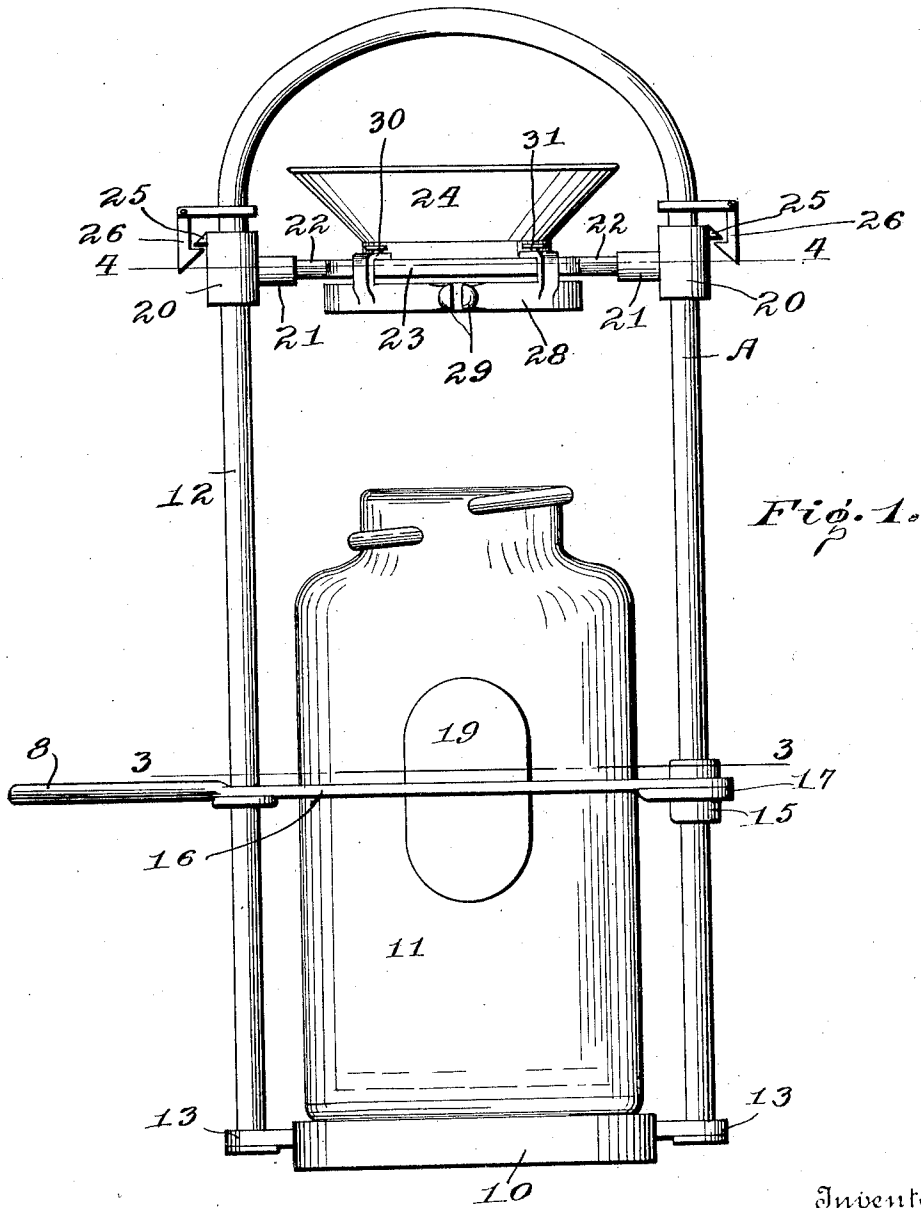


Fig. 1.

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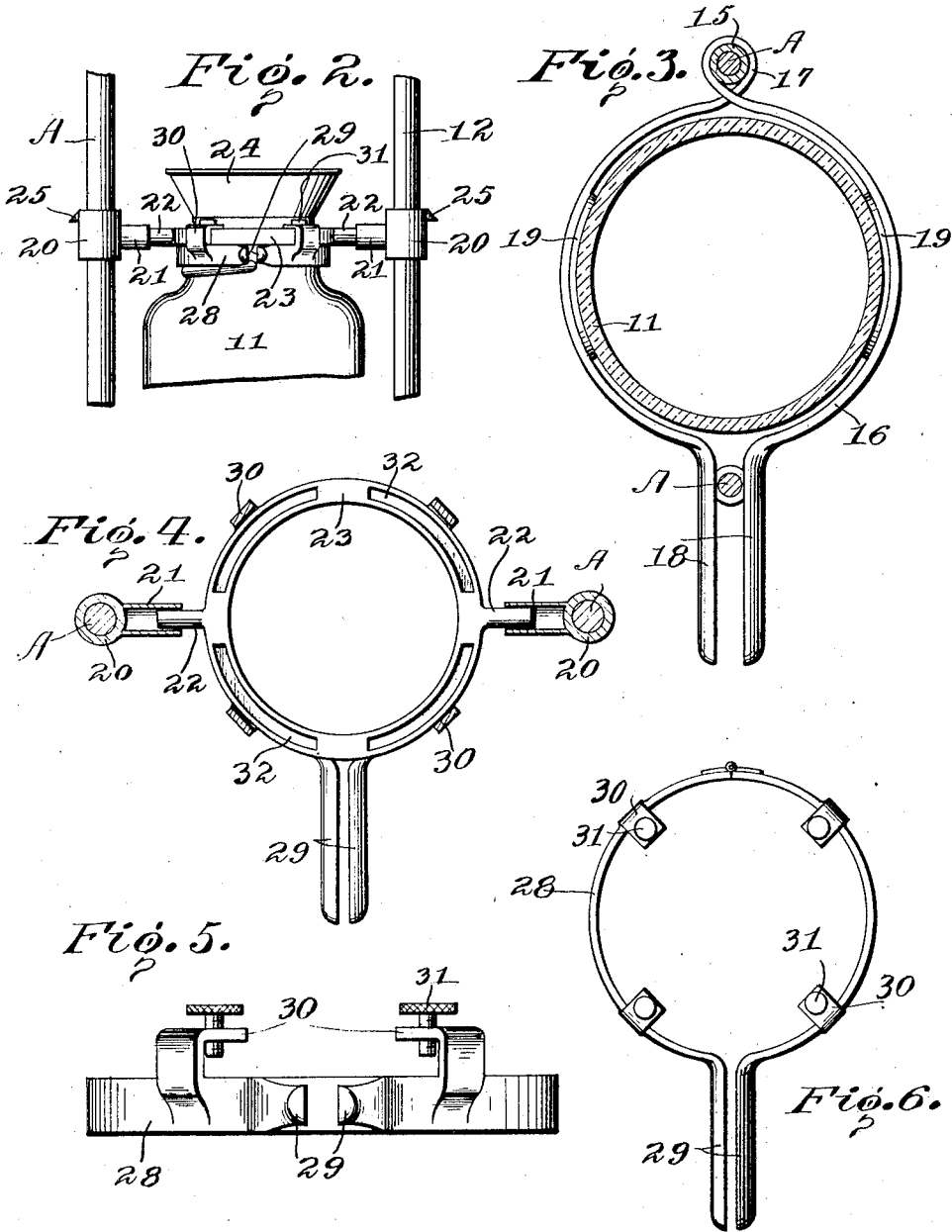
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UNITED STATES PATENT OFFICE.

LOUIS C. SNYDER, OF NAPOLEON, OHIO.

JAR-HANDLING DEVICE.

1,358,593.

Specification of Letters Patent.

Patented Nov. 9, 1920.

Application filed November 24, 1919. Serial No. 340,280.

To all whom it may concern:

Be it known that I, LOUIS C. SNYDER, a citizen of the United States, residing at Napoleon, in the county of Henry and State of Ohio, have invented new and useful Improvements in Jar-Handling Devices, of which the following is a specification.

This invention comprehends the provision of a device primarily designed for handling hot fruit jars or the like, and embodies means for filling, holding and carrying the jar, in addition to means for tightening the lid or cover thereon.

The nature and advantages of the invention will be better understood when the following detail description is read in connection with the accompanying drawings, the invention residing in the construction, combination and arrangement of parts as claimed.

In the drawings forming part of this specification like numerals of reference indicate similar parts in the several views and therein:

Figure 1 is a view in elevation of the device showing a fruit jar supported thereon and the funnel support and its associated parts elevated.

Fig. 2 is a fragmentary detail view showing the funnel support in its lowered position and the funnel associated with the jar.

Fig. 3 is a transverse sectional view taken on line 3—3 of Fig. 1.

Fig. 4 is a transverse sectional view taken on line 4—4 of Fig. 1 with the funnel removed.

Fig. 5 is an enlarged front elevation of the lid tightener.

Fig. 6 is a top plan view thereof.

The device forming the subject matter of my invention comprises a frame indicated generally at A which includes a base 10 upon which the jar 11 is adapted to be supported. The frame also includes an inverted substantially U-shaped member 12, the limbs of which have their terminals received by the apertured lugs 13 which project from diametrically opposite points on the base 10. The parts are secured together in any suitable manner. A sleeve 15 embraces one of the limbs of the U-shaped member at an appropriate distance above the base 10, the sleeve being fixed upon the said limb and forming a support for the jar holder. The jar holder comprises jaws 16 which, at their point of juncture, define a loop 17 which

encircles the sleeve 15 to which it is secured. The jaws 16 are curved to conform to the shape of the jar, and terminate to provide spaced handles 18 which project beyond the other limb of the U-shaped member to be conveniently grasped in holding the jar fixed upon the base. Carried by each jaw 16 is a plate 19 which is also curved to conform to the curvature of the jar, the plates 19 providing maximum bearing surfaces to permit of an effective purchase being obtained upon the jar by the holder.

Slidably mounted upon the limbs of the U-shaped member are sleeves 20 each carrying a hollow tubular extension 21. These extensions project toward each other within the frame, and constitute bearings for the pivots 22 which project from diametrically opposite points of a funnel support 23. The funnel support is in the nature of an annulus or ring and adapted to receive the funnel 24 in the manner shown in Fig. 1. Carried by each of the sleeves 20 is a lug 25 adapted to be engaged by a freely pivoted latch hook 26, one of these hooks being carried by each of the limbs of the U-shaped member and disposed in the path of the lugs 25 when the sleeves 20 are moved upwardly upon the frame. The hooks 26 automatically engage the lugs 25 and serve to hold the funnel support 23 elevated an appreciable distance above the jar 11.

A lid tightening element is associated with the annulus 23, being suspended from the latter as shown in Fig. 1. This lid tightening element is in the nature of a clamp including a split band 28, the ends of which are extended to provide spaced handles 29. Supported upon the upper edge of the band 28 and arranged at diametrically opposite points are hangers 30, in the nature of angular shaped brackets which overlie the upper surface of the annulus 23. Each hanger has associated therewith a pin 31 which enters one of a number of grooves 32 in the top surface of the annulus 23. In this manner the lid tightening element can be turned in either direction for a short distance, with a view of tightening or loosening the lid of the jar as will be readily understood.

In practice, the jar is mounted upon the base 10, the hooks 26 holding the annulus and its associated parts in elevated position. Subsequent to the placing of the jar between the jaws 16 of the holder, permitting the jar to rest upon the base 10, the annulus

23 is released from the hooks 26 and lowered upon the frame A with the funnel 24 in position to enter the mouth of the jar. After the jar has been filled, the annulus 23 is elevated a slight distance to permit the lid or cover of the jar to be placed in position thereon. The annulus is again lowered and the band 28 of the tightening element arranged to embrace the lid. The operator then takes hold of the handles 18 of the jar holder to hold the jar steady while the lid is tightened thereon, which is accomplished by turning the element 23 a few times in the proper direction. The frame with the jar supported upon the base can be conveniently carried by means of the holder 16, or by carrying the frame from the top of the U-shaped member. By reason of the construction shown and described it is apparent that I have provided a device by means of which hot fruit jars or like receptacles may be conveniently handled.

While it is believed that from the foregoing description the nature and advantages of the invention will be readily apparent, I desire to have it understood that what is shown is merely illustrative of the preferred embodiment of the invention to which I do not limit myself, and that such changes may be resorted to when desired as fall within the scope of what is claimed.

What is claimed is:

1. A device of the class described comprising a base, standards rising therefrom, jar holders comprising a split annulus terminating to provide spaced handles, a loop formed centrally of the annulus and embracing one of the standards, said handles projecting beyond the opposite sides of the other standards.

2. A device of the class described comprising a base, standards rising therefrom, a jar holder supported on one of said standards in spaced relation to the base, said holder including a split annulus terminating to provide spaced handles projected beyond the other of said standards, curved gripping plates carried by the opposed sides of the annulus and projecting above and below the edges thereof.

3. A device of the class described comprising a base, standards rising therefrom, and a jar holder supported by one of the standards above the base, and including a split resilient annulus terminating to pro-

vide spaced handles, a funnel support slidably mounted upon one of said standards, and means for holding said funnel support elevated.

4. A device of the class described comprising a base, standards rising therefrom, a jar holder arranged above the base, a funnel support slidably mounted upon the standards, means for holding said support elevated, and lid tightening means carried by said funnel support.

5. A device of the class described comprising a base, standards rising therefrom, a jar holder arranged above the base, a funnel support slidably mounted on said standards, means for holding said support elevated, and lid operating means carried by the funnel support and mounted thereon for rotation in opposite directions.

6. A device of the class described comprising a base, standards rising therefrom, a jar holder arranged above the base, a funnel support slidably mounted upon the standards, means for holding said support elevated, a lid clamp, and means for suspending the clamp from the funnel support in a manner to permit said clamp to be rotated in opposite directions for the purpose specified.

7. A device of the class described comprising a base, standards rising therefrom, a jar holder arranged above the base, a funnel support slidably mounted upon said standards, means for holding said support elevated, a lid operating tool, hangers secured to said tool and suspending the latter from said funnel support, said support being designed to accommodate said hangers to permit rotation of the tool in opposite directions.

8. A device of the class described comprising a base, standards rising therefrom, a jar holder arranged above the base and including a split resilient annulus supported on one of the standards and terminating to provide spaced handles projecting beyond the other of said standards, a funnel support slidably mounted upon said standards, means for holding said funnel support elevated, and a lid operating device carried by the funnel support and including spaced handles arranged at right angles to the handles of the jar holder.

In testimony whereof I affix my signature.
LOUIS C. SNYDER.