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JAR AND CLOSURE THEREFOR
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Inventor

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This invention relates to structural improvements and refinements embodied both in the construction of a fruit jar and an especially designed closing cover therefor.

The invention has more particular reference to the style of jar which includes a reduced neck and a cover which fits thereon and which is retained in place through the medium of a hardened paraffine seal.

The novel structural features defining the distinguishable contributions to this art will become more readily apparent from the following description and drawing. In the drawing:

Figure 1 is a fragmentary view primarily in section showing the improved neck construction and the seal retained telescopically fitting cover.

Figure 2 is a top plan view of the jar neck construction with the cover removed to expose the structural details.

In Figure 1, the body of the jar is designated by the reference character 3 and this is of suitable proportions and material. The reduced neck is represented at 4 and this joins to the body through the medium of a curvate web 5 which forms a connecting shoulder. It will be noticed that the neck 4 is slightly tapered, that is, thickened toward the free upper edge portion thereof.

Adjacent the shoulder there is an outstanding circular ledge 6 and just inward of this is an annular channel 7 which may be designated as the primary sealing channel. There is also a similar channel formed in the upper edge of the neck and this may be distinguished as the secondary channel. This secondary channel includes inner and outer stopped walls 8 and 9 respectively. The inner wall is higher than the outer wall to cause sealing wax to overflow the outer wall and to run down the outer surface of the neck.

It will be noticed that in forming this secondary channel, the glass or other material from which the jar is made is so shaped as at 10 to form a sort of convenient pouring spout for aiding in emptying the contents from the jar by tilting.

The intermediate portion of the upstanding neck 4 is provided with a circumferential groove which serves to accommodate the packing ring 11. This is of a conventional rubber gasket construction.

The cover is generally represented by the numeral 12 and is preferably composed of glass. The marginal rim portion 13 has its lower edge fashioned to fit firmly down into the primary channel 7. In addition it has an outstanding flange 14 which cooperates with the ring-like ledge. The inner walls of the rim 15 is formed with a groove of semicircular configuration to accommodate the projecting half of the packing ring 11.

The disc-like portion 15 of the cover has a concentrically arranged annular depression 16 formed therein to receive the projecting upper edge of the wall 8. In addition this part of the cover carries a depending annulus 17 which fits down in the channel walls 8 and 9. These two channels might well be defined as circular keyways and the portions of the cover fitting therein may well be designed as keys fitting telescopically thereinto.

The gist of the jar construction is in the provision of the reduced neck which merges into the body portion through the medium of a web defining a shoulder, said shoulder having the primary channel or keyway therein and also having the outstanding annular ledge associated therewith.

In addition, the neck is characterized by the provision of the semi-circular circumferentially arranged groove for accommodating one-half portion of the gasket ring. Then there is a thickened tapered design of this neck with the terminal decidedly increased in thickness which serves to permit the formation of the secondary channel and which defines the inner and outer walls 8 and 9.

The companionate features of the cover 12 comprising the flange 14 and the annular depending key 17 render it distinctively novel.

It is understood that in use the inner and outer main and auxiliary channels are filled with paraffin. Then the cover is shoved down over the neck. When the paraffin hardens a permanent closure is provided.

It is a feature of this closure that the rub...
ber gasket is held and engaged in place. It also avoids any necessity of abnormal clamping upon the jar and closure.

It is thought that persons skilled in the art to which the invention relates will be able to obtain a clear understanding of the invention after considering the description in connection with the drawing. Therefore, a more lengthy description is regarded as unnecessary.

Minor changes in shape, size, and rearrangement of details coming within the field of invention claimed may be resorted to in actual practice if desired.

I claim:

1. As a new product of manufacture, a jar comprising a body open at its top and having a reduced portion defining a neck, the juncture between the neck and body defining a shoulder and having a primary annular channel formed therein and an outwardly projecting annular ledge therewith, the terminal upper edge of said neck being thickened and formed with a secondary channel, said secondary channel having its inner wall of a height greater than the outer wall to facilitate pouring of the contents from the jar and to promote overflowing of sealing material over the top of the short wall, and a cover fitting over the neck and having a depending annular rib on the under face of its top part fitting in the second channel, and the lower edge of the cover fitting in the primary channel and an outwardly extending flange adjacent the lower edge of the cover engaging the ledge, the under face of the top part of the cover having an annular groove therein for receiving the edge of the high wall of the secondary channel, said neck having an annular groove in its exterior face intermediate the ends thereof and the depending part of the cover having an annular groove in its interior face which aligns with the last-mentioned groove when the cover is in position, and a packing member located in the annular space formed by said two grooves said sealing material located in both channels, between the flange and the ledge and between the cover and the neck.

In testimony whereof I affix my signature.

BENJAMIN F. SAVERY.