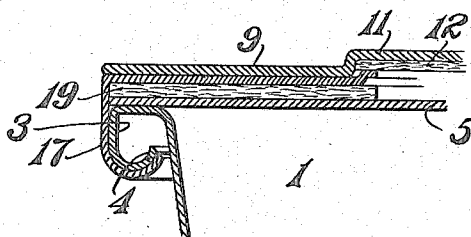
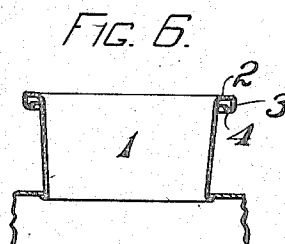
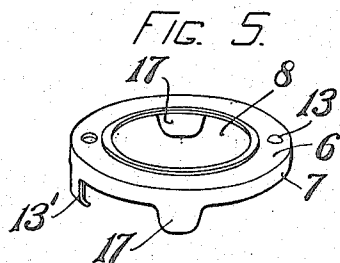
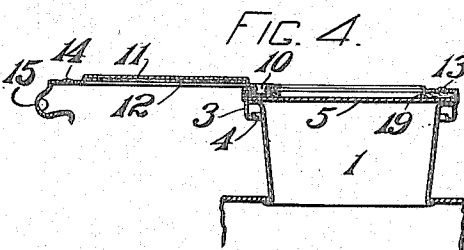
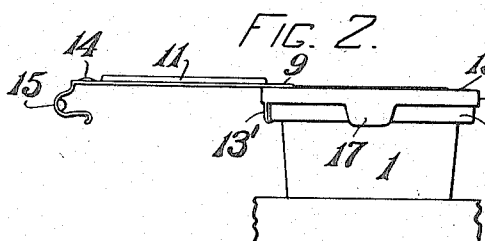
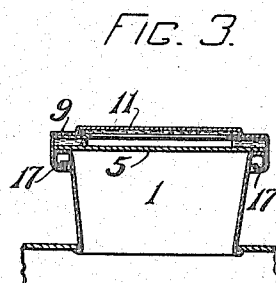
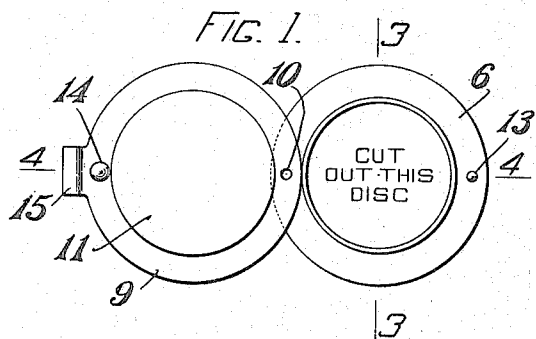


E. D. CHELLIS.
NECK AND CLOSURE FOR CONTAINING VESSELS.
APPLICATION FILED JUNE 25, 1909.

1,128,948.

Patented Feb. 16, 1915.



WITNESSES

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NECK AND CLOSURE FOR CONTAINING VESSELS.

1,128,948.

Specification of Letters Patent.

Patented Feb. 16, 1915.

Application filed June 25, 1909. Serial No. 504,214.

To all whom it may concern:

Be it known that I, EUGENE D. CHELLIS, a citizen of the United States, residing at Portland, county of Cumberland, State of Maine, have invented certain new and useful Improvements in Necks and Closures for Containing Vessels, of which the following is a specification.

This invention relates to the closing of containing vessels and particularly to the application of openable closures to goods packed under seal, especially in cans or like packages where a metallic neck may be employed.

In the packaging of many kinds of goods it is extremely desirable to have them under a protected seal while using a closure which will be readily openable and closable for ordinary use. This is particularly true of the varnish trade which affords an excellent illustration for the present case. The quick drying and gumming properties of varnish make it essential that a closure be provided for the can which will make the stopping and unstopping easy and certain and which at the same time will make possible protective sealing against possible refilling by unscrupulous dealers. To the end, therefore, of providing for the closing of such packages I have devised my present invention which I will more fully describe in the specification which follows.

In the specification I have set forth as an illustrative embodiment a closure for use on a varnish can mouth for the reasons stated above. This embodiment I have shown in the accompanying drawings to which reference is made in the said specification by means of reference numerals uniformly applied throughout.

In these drawings:—Figure 1 is a plan view of my closure with cover open to show seal, Fig. 2 is a side view thereof, Fig. 3 is a sectional view on the line indicated 3—3, Fig. 1, but with the cover closed, Fig. 4 is a section at right angles to that of Fig. 3 but with the cover open, Fig. 5 is a view of the cap with cover removed, Fig. 6 is a section of the neck, and Fig. 7 is an enlarged sectional detail of one side of a closure and neck.

1 is a metallic varnish can neck having at its mouth an outwardly turned lip 2 from which drops a rim 3, the edge of which is crimped or rolled under as at 4. On the

mouth of the neck is placed a severable or frangible wafer 5 on the upper face of which any suitable instructions, warning guarantee or other text, may be displayed. Over the mouth of the neck 1 and on the wafer 5 is slipped the cap 6 of the closure. The cap 6 is surrounded by a depending flange 7 and is centrally pierced at 8 by an opening adapted to overlie the bore of the neck 1. Within the flange 7 is an annular packing 19 which overlies the lip 2 of the neck 1.

9 is a cover pivoted to the cap 6 at 10, which is a rivet raised in the metal of the cover and headed under the plate of the cap which is pierced to receive it.

11 is a recess struck into the cover 9 in which is set a packing 12 which covers the opening 8 and seals the same when the wafer 5 is cut out.

13 is a point raised in the plate of the cap 6 and 14 is a similarly formed recess in the cover 9 for interengagement under the action of the spring locking lip 15 on the cover opposite its point of pivot.

13' indicates a pair of curved rim engaging fingers on the flange 7 adjacent to the point of pivot.

17 indicates a pair of fingers arranged on the side of the cap and adapted to be bent into a permanent engagement with the rim 3 and to penetrate between said rim and the neck 1 so as to be covered as against any effort to pry them up. In this manner the cap is permanently clenched to the rim of the neck and the wafer 5 is held against removal, renewal or substitution. In use, the cover 9 is swung to one side and the wafer 5 cut out. The contents of the can may then be used from time to time and sealed each time by closing the cover 9 but the can may not be again filled and put out as an original package.

What I therefore claim and desire to secure by Letters Patent is:—

1. A delivery nozzle for a containing vessel comprising a neck member having a discharge opening for the vessel and having about its mouth an overhanging rim with its edge spaced from said vessel neck, a closure for said nozzle comprising a cap having a discharge opening and a cover, and depending fingers on said cap and clenched beneath said rim in the space between it and the neck member.

2. A delivery nozzle for a containing member having a discharge opening and vessel comprising a neck member having a having about its mouth a continuously recessed rim including a lateral portion, and about its mouth an overhanging rim bent a vertical portion terminating in an inwardly toward but having its edge spaced 5 inwardly bent edge spaced from said neck member, a closure for said nozzle comprising a cap having a discharge opening and a cover, depending fingers on said cap and clenched beneath said inwardly bent portion of the rim and entering 10 in the space between the rim and the neck member, rim engaging lugs on said cap engaging the overhanging portion of said rim.
3. In combination with a delivery nozzle 15 for a containing vessel comprising a neck member having a discharge opening and having about its mouth a continuously recessed rim including a lateral portion, and a vertical portion terminating in an inwardly bent edge spaced from said neck member, a closure for said nozzle having a rim engaging finger clenched beneath said inwardly bent portion of the rim and entering 20 in the space between the rim and the neck member.
- In testimony whereof, I affix my signature in presence of two witnesses.
- EUGENE D. CHELLIS.
- Witnesses:
LAUREN M. SANBORN,
DELBERT N. SAWYER.