

M. GALIBERT.
METHOD OF LABELING CONTAINERS.
APPLICATION FILED NOV. 5, 1918.

1,344,080.

Patented June 22, 1920.

Fig. 1.

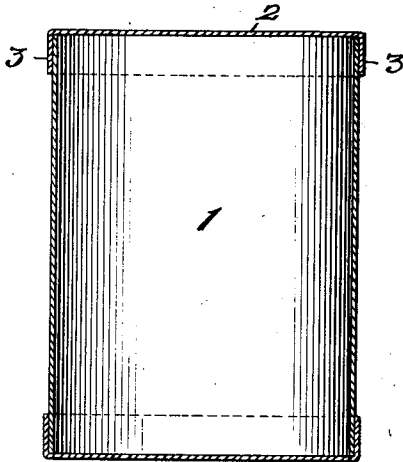


Fig. 3.

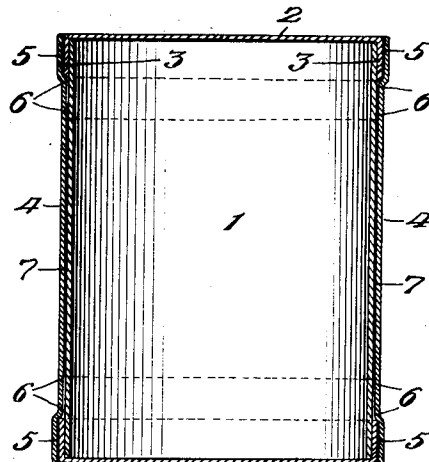
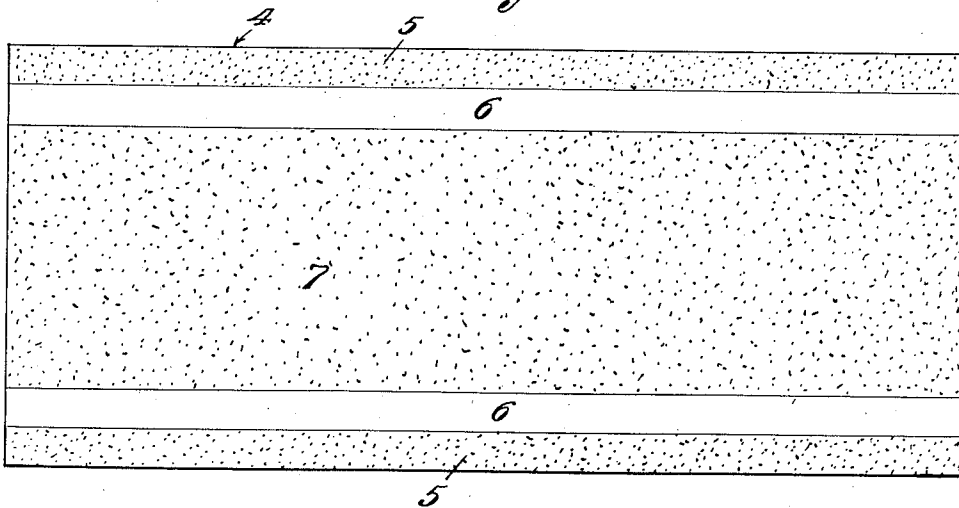


Fig. 2.



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METHOD OF LABELING CONTAINERS.

1,344,080.

Specification of Letters Patent. Patented June 22, 1920.

Application filed November 5, 1918. Serial No. 261,225.

To all whom it may concern:

Be it known that I, MAURICE GALIBERT, a citizen of the United States, residing in the city, county and State of New York, have invented certain new and useful Improvements in Methods of Labeling Containers, of which the following is a specification.

This invention relates to a method of paper labeling containers having an exterior shouldered surface; its object being to effect the labeling in such wise that paper or other temperable labels will be molded into conformity with the contour of the exterior wall of such containers, and not be partially loose thereon presenting a partially wrinkled and accordingly unsightly appearance, as is often the case in prior practice. While my method is of particular utility in the mechanical labeling of tubular containers having at each end an exterior flanged cap the inward edge of each flange forming an exterior peripheral shoulder or collar on the container, yet my method may be worked either mechanically or manually on any shape of container having an exterior shoulder which increases its cross-sectional dimension.

In the accompanying drawings forming a part hereof and illustrating the principle of this invention in the best mode now known to me of applying that principle,

Figure 1 is a lengthwise central section of an unlabeled tubular container each end of which is provided with a cupped cap the flange of which is exterior to the outward surface of the tubular body of the container.

Fig. 2 shows the back side of a paper label gummed in accordance with my invention.

Fig. 3 shows the capped container of Fig. 1 labeled in accordance with this invention.

Referring to the drawings, 1 is a tubular container body, each end of which is covered by a cupped cap 2, the flange 3 of which encircles the container body and constitutes a peripheral shoulder or collar thereon, whereby the container surface to be labeled has relatively high and low surfaces.

The back of my new gummed or adhesively attachable paper label 4 is provided either before or during the labeling operation, when there are two exterior cap shoulders on the container, with two opposed marginal gum strips 5, extending in

the direction of the wrapping length of the label from end to end thereof, as shown. Inwardly of and adjacent each such marginal gum strip 5, the label back is provided with an ungummed space 6 parallel to a gum strip 5; and between the two gumless spaces 6, the label back is covered with an intermediate strip 7 of gum of the full wrapping length of the label. By strip, in this connection, is meant a surface made adhesive applied moist as the label is being applied.

The point respecting the marginal strip or strips 5 is that the gum or adhesive is made liquid enough to "temper" the margin or margins of the labels,—that is to soften and render them stretchable. The point respecting the intermediate gum strip 7 is preferably that the gum or adhesive shall be less liquid, that is of heavier body which will in practice only negligibly temper the paper on which it is applied. In actual practice, a thick adhesive is used for the gum strip 7, but it is not intended to limit the invention to non-tempering of the paper corresponding to such strip because actual tempering of such portion of the paper might be successfully practised. The purpose of the two parallel gumless spaces 6 is to afford clean, gumless surfaces on the label back for contact with mechanical labeling instrumentalities so that the latter will not become gummed. The importance of this is known to all skilled in the labeling machine art. The width of each marginal gum strip or strips is approximately correspondent to the width of a shoulder or collar or flange of the container, thereby preferably to be adhesively attached not only to the peripheral surface of the collar, shoulder or flange, but also the inward edge thereof; and when the tempered and so stretchable margin or margins of the label are applied on the shoulder or shoulders, the label widthwise can be by suitable pressure molded to fit the contour of the container, the intermediate more tenacious gum or adhesive on strip 7 holding the label to the body of the container while the stretchable paper margins tempered by the more liquid gum strips 5 are confined to the cap flanges or shoulder-forming collars. The result is that the body of the label between the collars or cap or cover flanges is laid smooth on the container body; and compared with all machine-labeled containers

known to me presents a much neater and more desirable appearance, the more or less wrinkled appearance of such labels of such prior practice, the labels have been smooth and tight around the shoulder-forming collars, or cap or cover flanges, and more or less loose and wrinkled between them.

Containers labeled by the described labels and by the present method are easily recognizable both by the smooth adhesion of the body of the label between the end collars, and also, on examination, by the presence of the gumless space or spaces 6; and by the relation of the gummed strip 7 to one or more gumless spaces 6 and one or more gum strips 5.

So far as I now know, this invention finds its main and perhaps exclusive utility in the application of paper labels, but the invention is susceptible of use in connection with any flexible label which has a temperable margin or margins. By gum is meant any suitable adhesive, whether of gum proper, paste, or otherwise. The word temper is extensively and commonly used in the paper label and paper working arts to indicate softening and consequent stretchability, and the elements, liquidity of the adhesive and time, enter into it.

The label or wrapper above described forms the subject-matter of my co-pending application Serial No. 261,224, and the labeled or wrapped container above described forms the subject-matter of my co-pending application Serial No. 261,223, both filed November 5, 1918.

What I claim herein is:

1. The method of applying temperable labels to containers having enlarged ends, which consists in making two applications of moist adhesive, one to marginal portions and the other to body portions of the several labels, to be applied along lines extending lengthwise of said labels such that at a definite time after said two applications have been made to a given label marginal portions of said given label will be more highly tempered than the body portions thereof and at said time applying said label under pressure to one of said containers so that the more highly tempered portions of the label cover the enlarged portions of the container.

2. The method of applying temperable labels to containers having enlarged end por-

tions, which consists in applying a slowly tempering moist adhesive to the body portions of said labels and a more quickly tempering moist adhesive to marginal portions thereof, the applications being along lines parallel to one of the edges of each label and thereafter bringing said adhesives on a given label while still moist into contact with one of said containers after the marginal portions have become well tempered and before the body portions have become substantially tempered, so that the more highly tempered portions coincide with the enlarged end portions and subjecting said container and label to a molding pressure.

3. The herein-described method of labeling with temperable labels a container surface having relatively high and low surfaces to be labeled, such method consisting in tempering with an adhesive, a temperable back margin of the label, and in applying to the label back spaced apart from the tempered margin a negligibly-tempering thicker-bodied adhesive for attachment of the body of the label to the container; and during the application of such label, effecting a stretching action of the tempered adhesive margin; and in molding the label under pressure adhesively to the opposed surface of the container both on its high and relatively lower surfaces.

4. The herein-described method of labeling with temperable labels a cylindrical container surface having relatively high end peripheral surfaces and an intermediate peripheral surface of lesser diameter than the high end surfaces, all of which surfaces are to be labeled, said method consisting in tempering with an adhesive the temperable opposite back margins of the label, and in applying to the label back spaced apart from the tempered margins a negligibly tempering thicker-bodied adhesive for attachment of the body of the label to the container; and during the application of such label, effecting a stretching action of the tempered adhesive margins; and in molding the label under pressure adhesively to the opposed surface of the container on its high end surfaces and intermediate relatively lower surface.

In testimony whereof I have hereunto set my hand this 31 day of October, 1918.

MAURICE GALIBERT.