Oct. 15, 1935. A. BODOR ET AL 2,017,810

PAPER BLANK FOR PAPER BOTTLES AND THE LIKE

Filed March 9, 1933

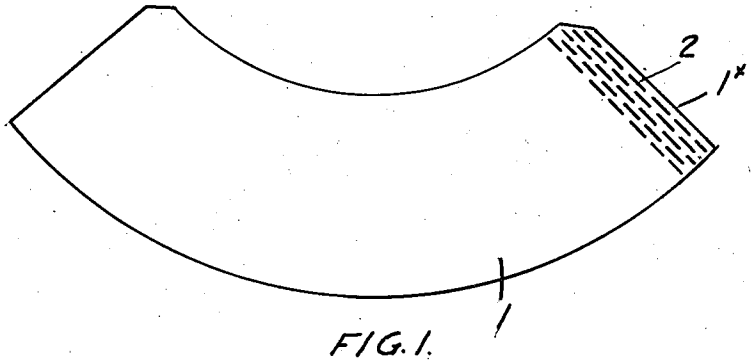


FIG. 1.

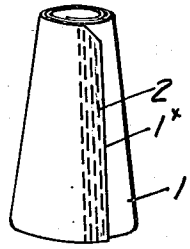


FIG. 2.

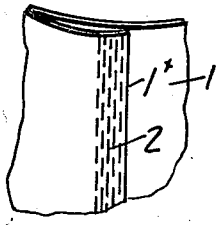


FIG. 3.

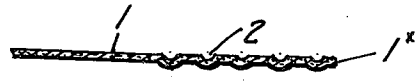


FIG. 4.

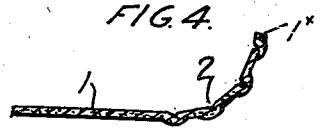


FIG. 5.

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PAPER BLANK FOR PAPER BOTTLES AND THE LIKE

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Application March 9, 1933, Serial No. 660,089

1 Claim. (Cl. 229—48)

Our invention relates to improvements in paper blanks for paper bottles and the like, and the object of the invention is to ensure of the outer end edge of the blank hugging the body of the blank when wound spirally so that it will securely adhere when adhesive is applied thereto, and it consists essentially in forming a series of dents on the inner face of the blank adjacent its outer end edge so that such portion will tend to curl inward towards the contiguous face of the spirally wound blank when softened by adhesive by which it is to be secured.

Fig. 1 is a plan view of the blank.

Fig. 2 is a perspective view of the blank wound spirally having its outer end edge secured to the body of the blank.

Fig. 3 is an enlarged fragmentary view of a portion of the blank prior to its end edge being finally secured.

Fig. 4 is an enlarged sectional view through the end portion of the blank showing the dents formed therein.

Fig. 5 is a similar view to Fig. 4 showing the end edge curled inward in the position it assumes and softened by adhesive applied thereto.

In the drawing like letters of reference indicate corresponding parts in each figure.

1 indicates a paper blank provided at its end edge 1× with a series of parallel rows of dents 2 by which the fibre of the paper is broken, formed so that the concavity of the dent is on the inside face of the blank as clearly indicated in Fig. 4. When adhesive is applied to this portion of the blank it tends to curl inward as indicated in Fig. 5, so that when the blank is wound spirally as indicated in Fig. 2, the dented end edge of the blank will hug closely to the surface of the spirally wound blank and, therefore, when it is pressed into contact therewith will fit closely thereto.

Although we show the blank with dents at the one edge only it may be provided with dents throughout its entire surface.

What we claim as our invention is:

A paper blank for paper bottles wound convolutely into a plural thickness and having a series of indentations formed up adjacent the outer edge of the blank and on the inside face which lies against the main body to such a degree that the fibre of the paper is broken to such an extent that when adhesive is applied thereunto just prior to its being wound convolutely into a plural thickness to form a paper bottle the indented edge will curve and conform of its own accord to the curved outer surface of the convolutely wound body portion of the blank.

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