

C. LEFFLER.
CONTAINER.

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1,303,687.

Patented May 13, 1919.

Fig. 1.

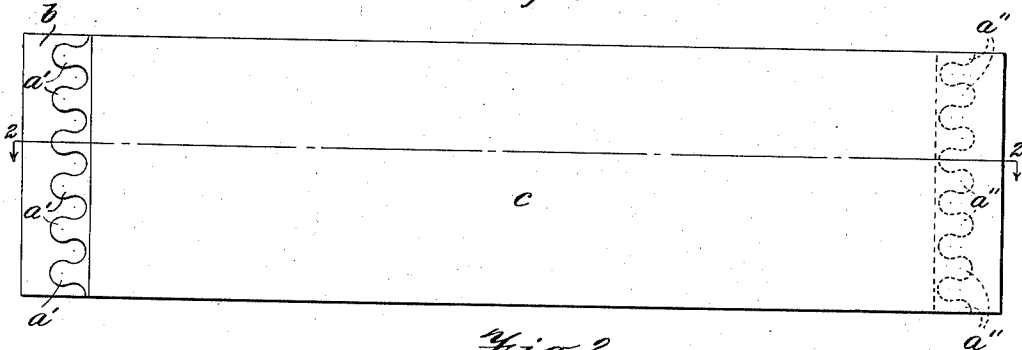


Fig. 2.

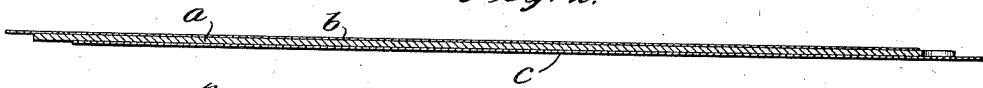


Fig. 3.

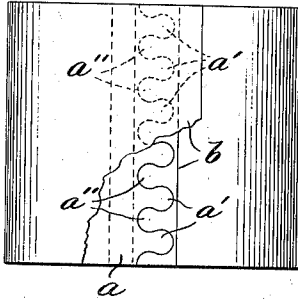


Fig. 4.

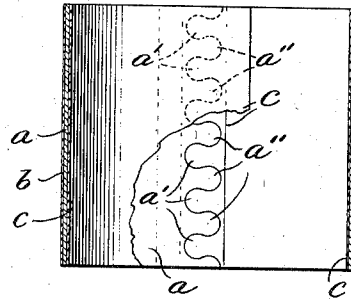
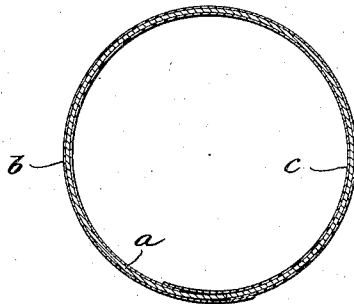


Fig. 5.



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UNITED STATES PATENT OFFICE.

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CONTAINER.

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To all whom it may concern:

Be it known that I, CHARLES LEFFLER, a citizen of the United States, residing at the city of New York, in the borough of Brooklyn and State of New York, have invented certain new and useful Improvements in Containers, of which the following is a full, clear, and exact description.

My invention relates to containers or cans and particularly to articles of this class having a body portion of paper board, card board, or the like. An object of my invention is to provide such a can body structure which will be inexpensive and at the same time will be strong and durable and will have a well finished and protected joint. Other objects are facility and convenience in manufacture. Still other objects and advantages of my invention will appear from the following description.

In accordance with my invention, I provide a body blank, the ends of which dovetail together, and in order to secure and finish the joint or seam I provide a covering sheet, preferably though not necessarily on both the inside and outside, which in the blank extends beyond the end of the body material and has its extending portion secured down overlapping the joint when the can body is formed, thereby covering, protecting and strengthening the joint as well as producing a smooth finished surface.

I shall now describe the illustrated embodiment of my invention and shall thereafter point out my invention in a claim.

Figure 1 is a face view of a blank embodying my invention;

Fig. 2 is a longitudinal section of the same;

Fig. 3 is an elevation of a can body formed from the blank, part of the exterior covering sheet being torn away to disclose the joint.

Fig. 4 is a central vertical section in elevation showing the inner side of the joint with part of the inner covering sheet torn away; and

Fig. 5 is a horizontal section of the can body.

The can body material preferably is a

sheet of fibrous material *a*, such as paper board or card board, and its ends are provided with dovetail projections *a'* and *a''*, respectively, which interlock as shown in Figs. 3 and 4 when the can body is formed. To reinforce and protect the joint as well as to finish the faces of the can body, covering sheets are provided which overlap the joint both interiorly and exteriorly. The outer covering sheet *b*, which may serve for the label, if desired, is secured to the outer face of the body material *a*, and, as shown, extends in the blank from the inner ends of the projections *a''* to a substantial distance beyond the outer ends of the projections *a'*. Similarly the inner or lining sheet *c* extends from the inner ends of the projections *a'* to a substantial distance beyond the outer ends of the projections *a''*.

In forming the can body from the blank the blank is wrapped around a forming mandrel of the desired shape and the two dovetail ends are interlocked. At the same time the extending ends of the covering sheets, which are provided with gum or other adhesive, are stuck down overlapping the joint, as shown in Fig. 5, thereby securing and covering the joint, and giving both the inside and outside of the can a finished, smooth surface. It will be noted that there is no metal to contact with the contents of the can, and that the operation of forming the can body can be very quickly and easily performed. While the invention is especially adapted to paper cans, it is not necessarily limited to that material, and other modifications may be made in the specific structure shown and described without departing from the scope of my invention.

I claim:

A blank for can bodies comprising a sheet of material having dovetail projections at each end, the projections at one end being adapted to interlock with those at the other end, a relatively thin interior sheet secured to the inner face of the material and extending beyond the ends of the dovetail projections at one end of the material and stopping short of said projections at the other end, and a relatively thin exterior sheet se-

cured to the outer face of the material and
extending beyond the dovetail projections
at said other end of the material and stop-
ping short of the projections at the oppo-
5 site end of the material, the extending por-
tions of the two sheets being adapted to be

secured over the joint respectively inte-
riorly and exteriorly thereof when the can
body is formed.

In witness whereof I subscribe my signa-
ture.

CHAS. LEFFLER.