

L. BAUROTH.
METALLIC PACKAGE.
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1,063,152.

Patented May 27, 1913.

Fig. 1

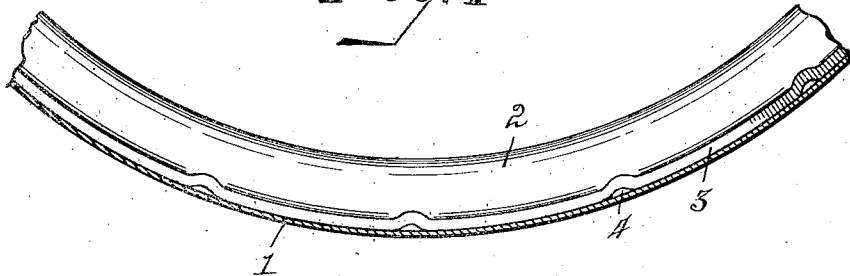
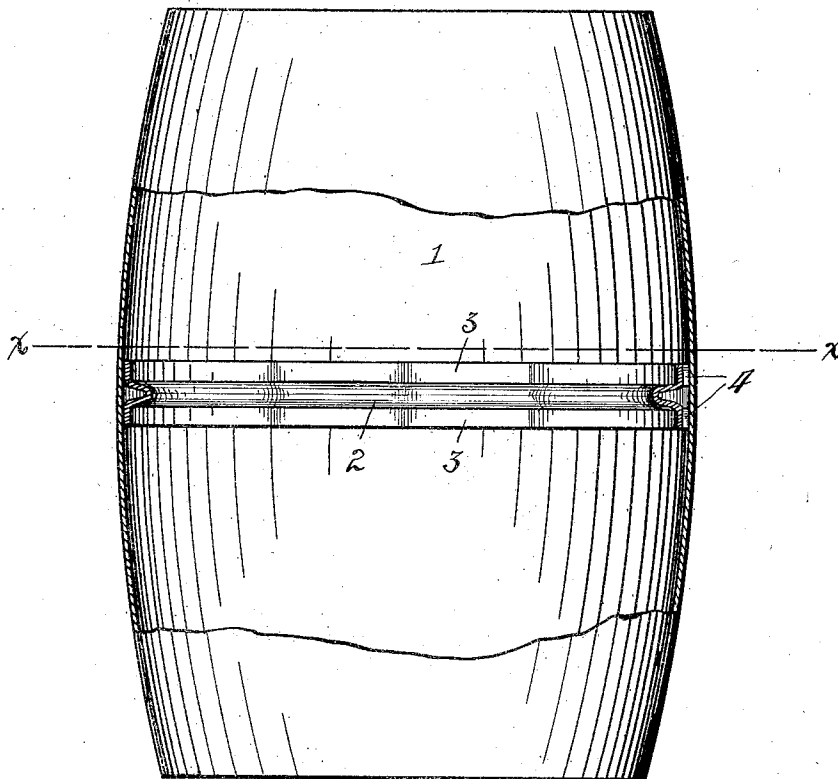


Fig. 2



WITNESSES.
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UNITED STATES PATENT OFFICE.

LEONHARD BAUROTH, OF TOLEDO, OHIO, ASSIGNOR TO THE METALLIC BARREL COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF MAINE.

METALLIC PACKAGE.

1,063,152.

Specification of Letters Patent.

Patented May 27, 1913.

Application filed September 18, 1911. Serial No. 650,001.

To all whom it may concern:

Be it known that I, LEONHARD BAUROTH, a citizen of the United States, and a resident of Toledo, in the county of Lucas and State of Ohio, have invented a certain new and useful Metallic Package; and I hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to metallic packages, and has for its object the provision of simple and efficient internal reinforcing means for the package, which is light, strong and durable in its construction, inexpensive of manufacture, and adapted to cooperate with the body wall of the package to provide drainage passages therebetween transversely of the means to prevent the damming action which would otherwise be caused by the shoulder formed within the package by the reinforcing means when the package is lying on its side.

The invention is fully described in the following specification, and while, in its broader aspect, it is capable of embodiment in numerous forms, a preferred embodiment thereof is illustrated in the accompanying drawings, in which,—

Figure 1 is a cross-section of a portion of a package embodying the invention taken on the dotted line $x-x$ in Fig. 2, and Fig. 2 is a side elevation thereof with a portion in central longitudinal section.

Referring to the drawings, 1 designates the body of a metallic package, which, in the present instance, is of bilge shape and formed of sheet-metal. It is to be understood, however, that the feature comprising my invention is not limited to use in any particular form or construction of package, but is intended for use in any package of this nature to which it may be applicable.

Mounted within the package in abutment with its side wall is the annular body bracing or reinforcing member 2, which strengthens the package body against collapsing stresses. This member is of channel form in cross-section and formed from a heavy grade of sheet-metal, with its leg terminals turned outward in opposite direc-

tions to provide broadened feet or surfaces 3 for bearing against the package wall. It is apparent that this form of member provides a very strong and durable reinforcement for a package, and that as many of the same may be used in a package as desired.

From extensive experimenting in this line I have found that a stamped or drawn sheet-metal reinforcing ring of this character makes a very much stronger metallic package than do the cast forms of rings heretofore employed and at the same time materially lightens the structure. The turning out of the feet or leg terminals 3 of the ring is also important in the provision of a commercially practical structure of this character, as they not only present a boardened bearing surface for the package body, but also cooperate with the channel portion of the ring in lending strength and rigidity to the package.

To permit a drainage from one side to the other of a reinforcing member 2 of the portion of the liquid contents of a package which would otherwise be dammed by such member when the package is on its side, I provide the feet or package wall abutting surfaces 3 of said member at spaced intervals therearound with transversely extending recesses 4 which cooperate with the package wall to provide drainage passages from one side to the other of the base portion of the reinforcing member.

In addition to the channeled portion of the member 2 adding strength and rigidity thereto, it also provides an annular channel or passage around the ring in communication with each of the recesses 4, whereby a stoppage of some of said recesses will not materially effect the drainage feature, as liquid may flow to the passage within the ring through one recess and flow therefrom through a recess out of register with the first, thus making the ring passage a distributing medium for the outlet recesses.

It is found in practice that the provision of these drainage passages at the base or outer peripheral portion of the reinforcing member 2 materially enhances the practicality and commercial value of packages of this character.

I wish it understood that my invention is not limited to any specific construction or arrangement of the parts except in so far

as such limitations are specified in the claim.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is,—

In a sheet metal package of the class described, a body portion, and a sheet metal annular reinforcing member in the body portion bearing outward against the inner wall thereof, said member being of channel form in cross-section with its leg terminals turned outward to form bearing surfaces

and having their body coacting sides transversely recessed to cooperate with the body to provide passages from either side of the member to the interior of the channel thereof, substantially as described. 15

In testimony whereof, I have hereunto signed my name to this specification in the presence of two subscribing witnesses.

LEONHARD BAUROTH.

Witnesses:

C. W. OWEN,
E. E. THOMAS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."