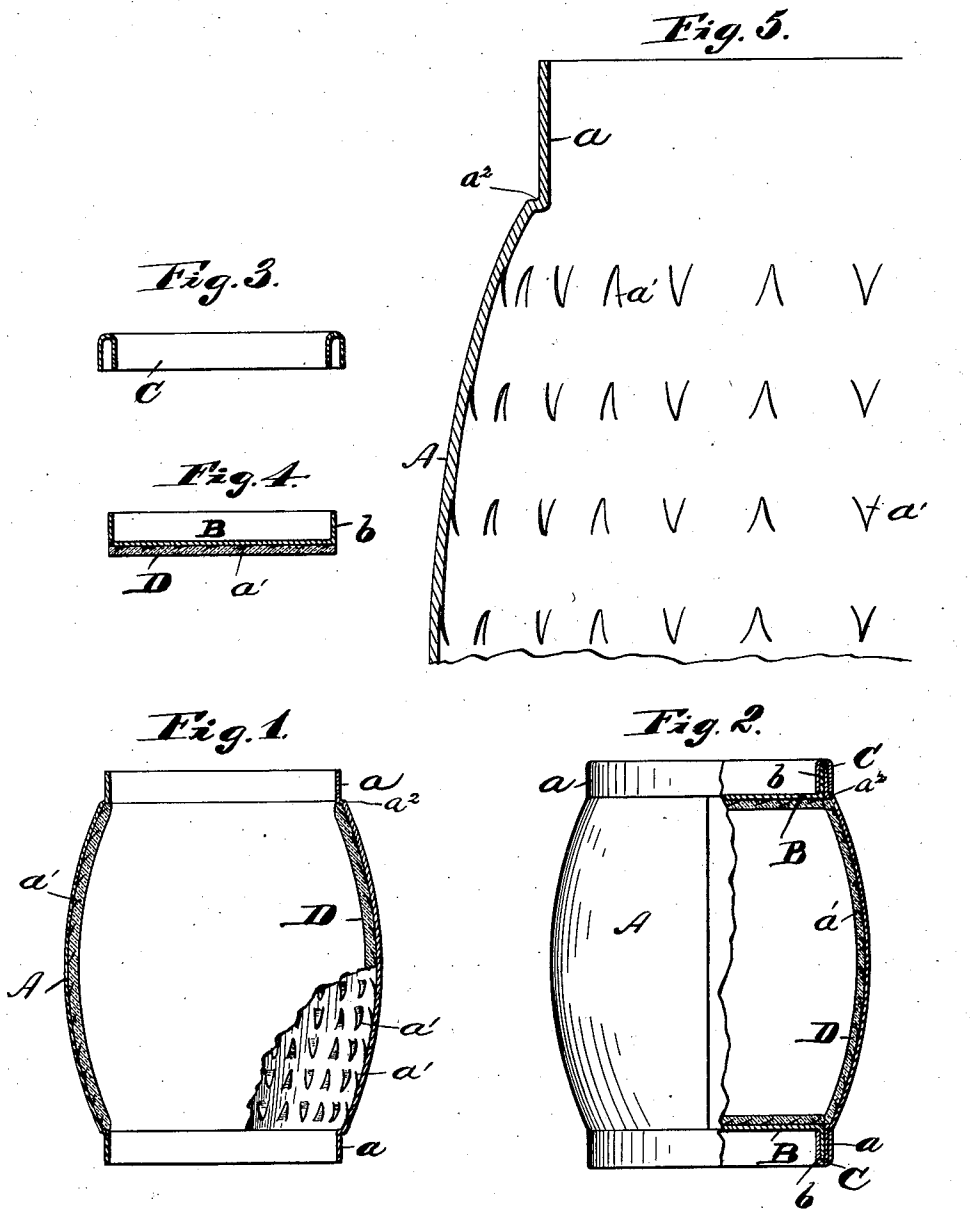


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METALLIC BEER KEG.
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933,520.

Patented Sept. 7, 1909.



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METALLIC BEER-KEG.

933,520.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, KARL A. ZIMMERER, citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Metallic Beer-Kegs, and declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to an improvement in metallic beer kegs shown in the accompanying drawings and more particularly pointed out in the following specification and claims.

In the drawings: Figure 1 is a sectional view showing the body portion of the metallic barrel with a lining material in position, a portion of the lining being broken away to disclose the engaging studs formed on the inner wall of the barrel. Fig. 2 is an elevation of the barrel with parts broken away and in section, showing the heads of the barrel in position. Fig. 3 is a detail sectional view of the annular ring inclosing the projecting rims of the barrel. Fig. 4 is a detail sectional view of one of the barrel heads showing the lining covering its inner face. Fig. 5 is an enlarged detail view of a portion of the barrel showing the studs or burs which engage the lining.

One of the features of this invention is to provide a metallic beer keg with a lining formed of composition or material preferably applied when in plastic or semi-plastic state and in the means employed to secure and support the lining in position.

Other features of the invention relate to the construction of the barrel itself and will be hereafter referred to.

Referring to the letters of reference shown on the drawings A is the body of a barrel formed of sheet metal its projecting edges a being adapted to encircle the outstanding rims b of the heads B, and with a lateral shoulder a^2 at the juncture of the body A and the projecting portion a .

C are annular channel shaped rings set over the projecting edges a and b of the barrel and head, the several parts being preferably welded together, though they may be riveted if desired. The lower outer edges of the end rings bear upon the shoulders a^2 , while the inner edges of the rings bear upon the heads B.

a' are projecting studs or burs formed on the inside of the barrel preferably made by cutting them from the metal with a suitable cutting tool.

D is a lining formed of suitable material, preferably of rubber or the like, and applied in a plastic or semiplastic state, of sufficient thickness to fully cover the projecting studs or burs a' which serve to support it. The heads B are also provided with a lining material and with a plurality of the spurs a' ; the lining material of the heads bearing within the ends of the lining material of the swelling body portion A. As shown in the drawings I prefer to have the projecting points of the burs a' of adjacent rows point in opposite directions as the lining D is thereby engaged more securely.

The lateral shoulders a^2 are an important feature of the invention as they serve as a bearing surface for the edges of the outer portion of the U-shaped rings C, and receive the end pressure which may be applied to the receptacle and thereby prevented from being applied to the relatively thin outer edges of the cylindrical portions a and of the flanges b of the heads B, and thus preventing any danger of battering or distorting these portions of the device. The inner edges of the annular members it will be noted bear upon the heads B, and are thereby supported.

Having thus described my invention, what I claim is:—

1. A keg comprising a sheet metal body having a shoulder at each end and provided with internal projections between said shoulders, a lining for said body extending between said shoulders and supported by said projections, heads for the ends of the body, a lining secured to each head, the linings of the body and heads being disposed in contact with each other when the keg is assembled, and means for securing the heads against accidental displacement.

2. A keg comprising a sheet metal body having internal rows of projections and also provided with a shoulder, the projections of each row being directed alternately in opposite directions, a lining for said body having one end disposed adjacent said shoulders and supported by said projections, heads for the ends of the body, each head having projections, a lining secured to each head and sup-

ported by the projections thereof, and means for securing the heads against accidental displacement.

3. A keg comprising a sheet metal body
5 having internal projections and a shoulder, a lining for said body having one end disposed adjacent said shoulder and supported by said projections, heads for the ends of the body, a lining secured to each
10 head and disposed against opposite ends of

the lining of the body when the keg is assembled, and means for securing the heads against accidental displacement.

In testimony whereof, I sign this specification in the presence of two witnesses.

KARL A. ZIMMERER.

Witnesses:

SAMUEL E. THOMAS,

GRACE E. WYNKOOP.