

Title (en)
BARREL WITH A LID AND CLAMPING RING CLOSURE

Title (de)
DECKELFASS MIT FASSDECKEL UND SPANNRINGVERSCHLUSS

Title (fr)
FUT A COUVERCLE MUNI D'UN COUVERCLE ET D'UN SYSTEME DE FERMETURE A COLLIER DE SERRAGE

Publication
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Application
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Abstract (en)
[origin: US5941406A] The object of this invention is a lidded barrel with a barrel lid and a clamping-ring closure. Between its flat lid plate and its outer rim, the barrel lid is provided with a circular, perimetric groove while also featuring in its periphery at least one bung well with or without a bunghole. When a barrel is dropped, the areas around the bung well are most vulnerable to breakage, i.e. it is in these areas that the barrel lid is most likely to slip out of the clamping ring with leaks resulting. In order to improve leak resistance of a lidded barrel, especially one suitable and approved for hazardous liquids, under extreme stress-load conditions, the area around the bung wells of the barrel lid is to be stress-relieved in the event of overstress (dropped barrel). According to the present invention, this is to be accomplished by making and incorporating between the recessed bung well and the upper edge of the outer, inverted-U-shaped rim of the barrel lid suitable provisions whereby the radial surface length—as measured from the center of the lid to the upper edge of the U-shaped rim—of this area or segment of the barrel lid are elongated in relation to the neighboring areas or segments of the barrel lid away from the bung well.

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