

O. R. YEAZELL.

KEG OR CASK.

APPLICATION FILED JAN. 20, 1909.

944,164.

Patented Dec. 21, 1909.

Fig. 1.

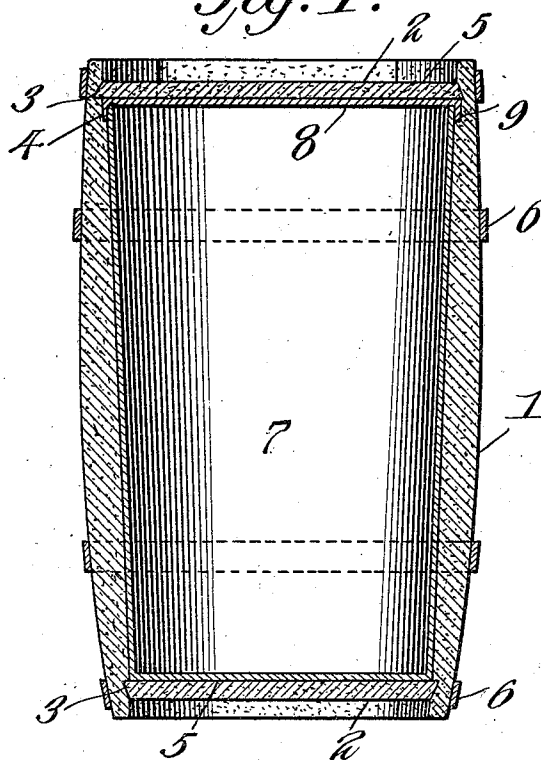
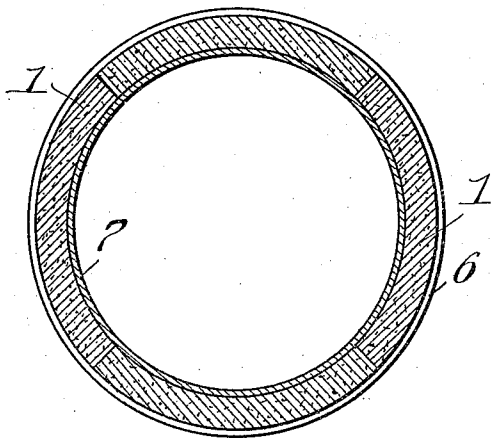


Fig. 2.



Witnesses

Frank B. Hoffman
J. W. Garner

Inventor

Otway R. Yeazell

By Victor J. Evans

Attorney

UNITED STATES PATENT OFFICE.

OTWAY R. YEAZELL, OF CINCINNATI, OHIO.

KEG OR CASK.

944,164.

Specification of Letters Patent. Patented Dec. 21, 1909.

Application filed January 20, 1909. Serial No. 473,315.

To all whom it may concern:

Be it known that I, OTWAY R. YEAZELL, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented new and useful Improvements in Kegs or Casks, of which the following is a specification.

This invention is an improved keg or cask especially adapted for use for packing white lead, printers' ink and similar material, but also adapted for use for other purposes and consists in the construction, combination and arrangement of devices hereinafter described and claimed.

One object of the invention is to provide an improved article of this character, the staves and heads of which are made of a compound composed of paper scrap and fiber.

A further object is to effect improvements in the construction of the staves or segments of the kegs or casks.

A further object is to provide the keg or cask with a lining or inner vessel having a removable cover, which cover when in place is securely held by the head of the keg or cask.

A further object of my invention is the production of a keg or cask which is made of material that is ordinarily wasted and which keg or cask is capable of being manufactured at very slight expense and is exceedingly strong and durable.

In the accompanying drawings:—Figure 1 is a vertical sectional view of a keg or cask constructed in accordance with my invention. Fig. 2 is a transverse sectional view of the same.

The segment sections or staves 1 together with the heads 2 of my improved keg or cask are molded and pressed in shape and are composed of a compound strawboard or other scrap paper about seventy per cent. and cuttings from broom straw, palmetto or other fibrous material about thirty per cent. The paper scrap and fiber cuttings are beaten into a pulp and mixed with a sufficient quantity of water to render the compound or composition plastic and such plastic composition while green is molded in dies and pressed by suitable machinery. Each stave or segment section 1 is of the usual shape exteriorly of a cask stave, that is to say, it is convex both longitudinally and transversely, but interiorly it is concave only transversely so that when the said staves or sections are

assembled as shown, their inner surfaces are straight longitudinally so that the inner side of the cask may form a true cylinder or truncated cone while exteriorly the keg or cask is swelled or enlarged diametrically at the center. Crozes 3 are formed on the inner sides of the staves or sections at a suitable distance from their ends and at near one end the said staves or sections are also formed on their inner sides with a groove 4 immediately below one of the crozes 3. The heads 5, which as hereinbefore stated are also made of the composition of paper scrap and fiber, are held in place together with the sections or staves 1 by the usual hoops 6. Preferably, the keg is treated to a bath of tar either exteriorly or interiorly or both to render the same water proof and hence increase the durability of its composition.

Where the keg or cask is to be used for holding white lead, printers' ink or other like material, it is lined with an inner casing 7 which is preferably made of tin and the sides of which are straight from end to end. Said inner casing has a cover 8 provided with a flange 9 which flange is fitted in the groove 4 and head 2 which is engaged with the croze adjacent to said groove, bears directly on the cover of the inner casing and holds the same in place, the beveled edge of the said head and the corresponding shape of the croze in which it is fitted causing the said head to exert a wedge like action on the cover of the inner casing and hence keeping the said cover securely in place.

I propose to call my improved cask the "split fiber keg."

What is claimed is:—

1. A keg or cask having an interior annular circumferential groove adjacent one of the crozes and further provided with an interior casing having a cover provided with a flange exterior of said inner casing and fitted in said groove, and a head in said croze, said croze widening inwardly and presenting an inclined side wall and said head having a beveled edge bearing against said inclined side wall and co-acting therewith to wedge said head against the outer side of said cover to hold the latter in place on said inner casing.

2. A keg or cask having a straight interior surface from end to end thereof and provided with a croze and an interior annular circumferential groove immediately adjacent said croze, an interior casing pre-

senting a straight exterior surface from end to end and fitted in said keg or cask, a cover on said casing provided with a flange fitted in said groove and a head having its edge engaged in said croze, said head being held by said croze in contact with the outer side of said cover.

3. A keg or cask having a straight interior surface tapering toward one end and further provided at its larger end with a croze and an interior annular circumferential groove immediately adjacent said croze, a

tapered casing fitted in the tapered interior of the keg or cask, a cover for the inner casing having a flange in said groove and a head having its edge engaged with said croze and held thereby as to contact with the outer side of said cover.

In testimony whereof I affix my signature in presence of two witnesses.

OTWAY R. YEAZELL.

Witnesses:

CHAS. LOHAIDE,
PETER MOSCHL.