G. K. STITZER.

KNOCKDOWN BARREL.

APPLICATION FILED MAY 5, 1909.

949,309.

Patented Feb. 15, 1910.

Fig. 1.

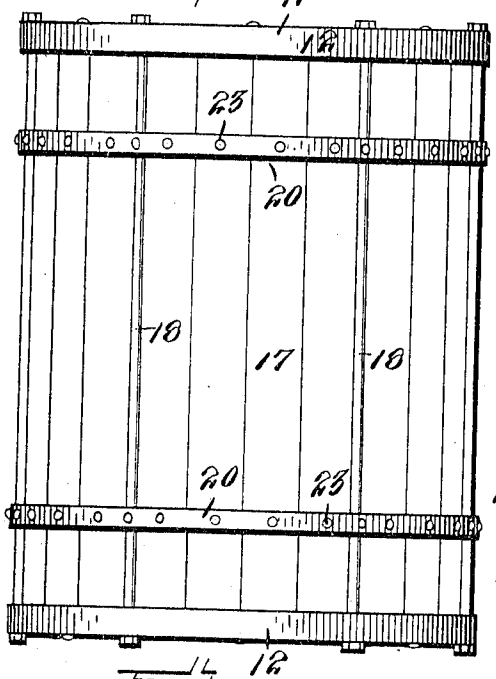


Fig. 2.

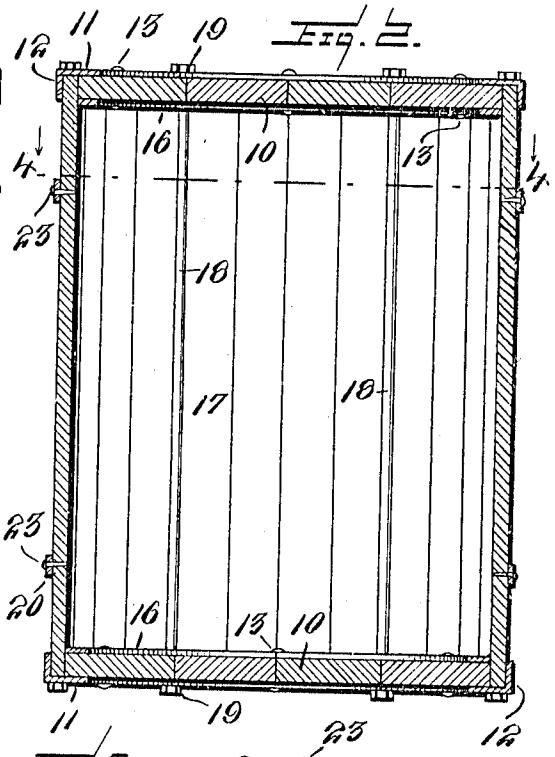


Fig. 3.

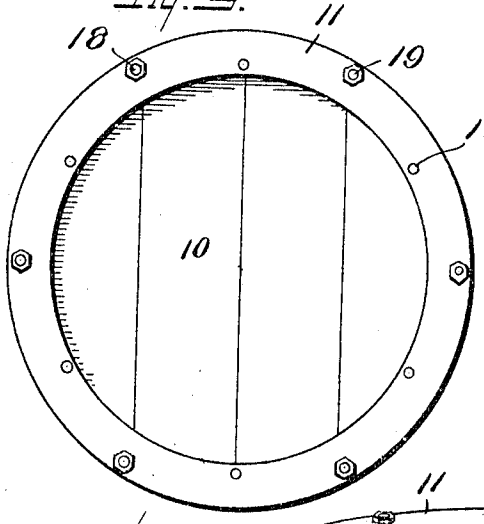


Fig. 4.

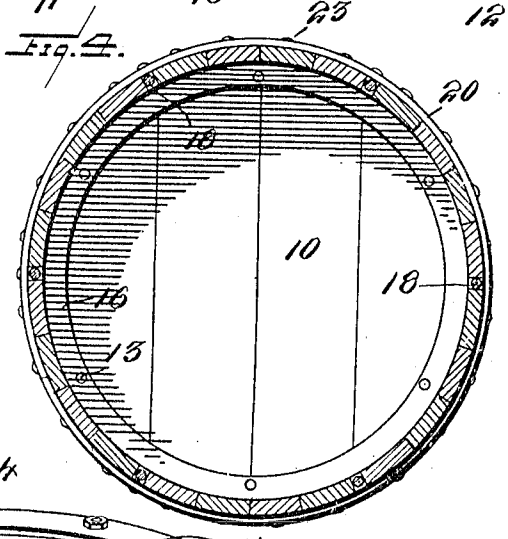
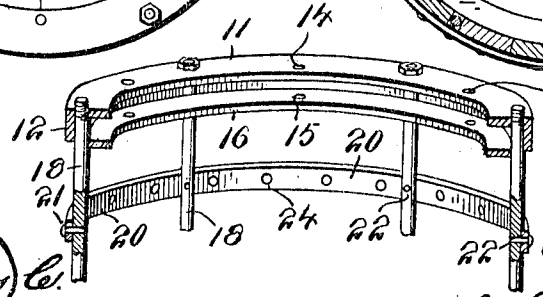


Fig. 5.



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KNOCKDOWN BARREL.

949,309. Specification of Letters Patent. Patented Feb. 15, 1910.

Application filed May 5, 1909. Serial No. 494,081.

To all whom it may concern:

Be it known that I, GEORGE K. STITZER, citizen of the United States, residing at Louisville, county of Jefferson, and State of Kentucky, have invented certain new and useful Improvements in Knockdown Barrels, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to a knockdown barrel, and particularly to a hogshead or receptacle adapted to receive tobacco or other material which it is desired to inspect at different points in the receptacle.

The invention has for an object to provide a receptacle having opposite heads formed with stave seats to receive the ends of the side staves, these heads being secured together by rods extending between them and the rods connected to hoops so as to form a skeleton structure independent of the staves which are removably connected to the hoops, and any one or more thereof may be withdrawn as desired by simply removing one end of the receptacle.

Other and further objects and advantages of the invention will be hereinafter fully set forth and the novel features thereof defined by the appended claims.

In the drawing:—Figure 1 is an elevation of a hogshead having the invention applied thereto; Fig. 2 is a vertical section thereof; Fig. 3 is a top plan; Fig. 4 is a horizontal section on line 4—4, Fig. 2; Fig. 5 is a sectional perspective of the barrel frame.

The opposite heads 10 of the barrel may be formed of any desired material or configuration, and are here shown as comprising a series of boards secured together by an annular angular cap plate 11, the periphery of the head being spaced from the side wall 12 of the cap plate to form a circular stave seat. These boards may be attached to the plate in any desired manner, for instance, by means of fastening devices such as nails or screws, as shown at 13. These are adapted to be passed through apertures 14 in the plate 11 and also corresponding apertures 15 in the holding ring 16 which is placed upon the inner face of the heads at the periphery thereof. The side staves 17 may be of any desired configuration and are seated at each end within the cap plates 11, while the heads are connected together by means of bolts or rods 18 threaded at their opposite ends to pass through the cap plates 11 where a securing nut or other device 19 is applied to the threads thereof. For the purpose of retaining these rods in proper position when either head is removed one or more hoops 20 may be provided and are connected to each of the rods by means of a securing device 21, such as a nail or rivet passing through an aperture 22 in the rods. In this manner a skeleton structure is formed which retains its proper position even though one head and all the staves are removed therefrom. These staves are normally secured in position by means of a removable device, such as a nail 23 inserted through apertures 24 formed in the hoops or bands 20. It will be noted that the securing rods through the head are disposed intermediate the staves within the thickness thereof, as shown in Fig. 4, so that no projections are formed either upon the interior or exterior of the receptacle, while the heads and hoops provide firm bearings by which the receptacle may be rolled on its side.

While the invention is adapted to be used in any form of knockdown receptacle, it is here shown as especially applied to a tobacco hogshead from which it is desired to secure samples taken from different parts of the bulk of the contents. For that purpose it is only necessary to remove the securing bolt from the rods at one head and detach this head. The fastening devices for any one of the staves which it may be desired to remove are then withdrawn by any desired tool and samples taken from that part. This stave can then be returned to position and others removed wherever desired, or all of the staves may be removed, as the hoops and rods sustain the frame in position to receive the staves when returned to position. After inspection the staves may be returned and resecured and the hoops and head applied and secured by the rods and the receptacle is in condition for shipment or storage. After the contents of the receptacle has been removed the same may be knocked down by removing the heads and staves so as to occupy the minimum space for shipment or transportation.

The invention therefore presents a simple, efficient and economically constructed receptacle particularly adapted for the storage and inspection of tobacco and other products.

Having described my invention and set forth its merits, what I claim and desire to secure by Letters Patent is:—

1. In a knockdown barrel, opposite heads comprising an angular cap plate having a depending flange, head boards secured to said plate and spaced from said flange to form a peripheral annular stave seat, staves having each end disposed in said seats, and securing rods extending between said heads.

2. In a knockdown barrel, opposite heads comprising an angular cap plate having a depending flange, head boards secured to said plate and spaced from said flange to form a peripheral annular stave seat, staves having each end disposed in said seats, securing rods extending between said heads, and hoops surrounding said staves and removably connected to said rods.

3. In a knockdown barrel, opposite heads comprising an angular cap plate having a depending flange, head boards secured to said plate and spaced from said flange to form a peripheral annular stave seat, staves having each end disposed in said seats, securing rods extending between said heads, apertured hoops surrounding said staves and connected to said rods, and fastening devices extending through said hoops into said staves.

4. In a knockdown barrel, a head comprising an angular cap plate having a depending flange, head boards secured to said plate and spaced from said flange to form an annular seat at the periphery of the head, side staves having their ends disposed in said seat, and means for drawing said head into contact with the ends of said staves.

5. In a knockdown barrel, a head comprising an angular cap plate having a depending flange, head boards secured to said plate and spaced from said flange to form an annular seat at the periphery of the head, side staves having their ends disposed in said seat, means for drawing said head into contact with the ends of said staves, and a ring secured to the inner face of the head at the periphery thereof.

6. In a knockdown barrel, opposite heads each comprising an angular cap plate having a head board secured thereto to form a seat at the periphery thereof, staves having their ends disposed in said seats, and rods connecting said heads and disposed intermediate of said staves and within the vertical plane thereof.

7. In a knockdown barrel, opposite heads each provided with a stave seat, staves having their ends disposed in said seats, rods connecting said heads and disposed intermediate of said staves and within the vertical plane thereof, removable securing devices upon the opposite ends of said rods at the outer face of said head, and a hoop embracing said staves and connected to said rods.

8. In a knockdown barrel, opposite heads each provided with a stave seat, staves having their ends disposed in said seat, rods connecting said heads and disposed intermediate of said staves and within the vertical plane thereof, removable securing devices upon the opposite ends of said rods at the outer face of said head, a hoop embracing said staves and connected to said rods, and removable fastening devices extending through said hoop into contact with said staves.

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

GEORGE K. STITZER.

Witnesses:

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JAMES B. MCCORMICK.