Nov. 8, 1932. W. B. FOREMAN 1,887,406

KNOCK-DOWN HOGSHEAD

Filed Jan. 11, 1932

Fig. 1.

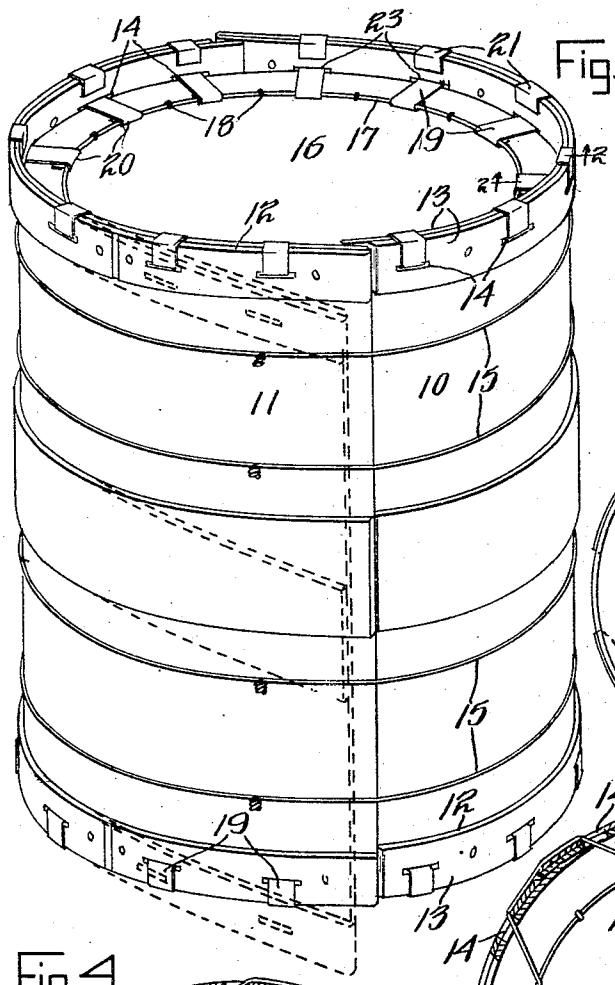


Fig. 2.

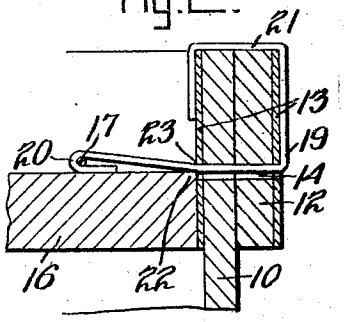


Fig. 5.

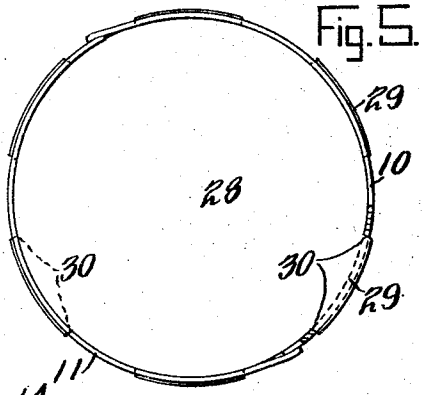


Fig. 3.

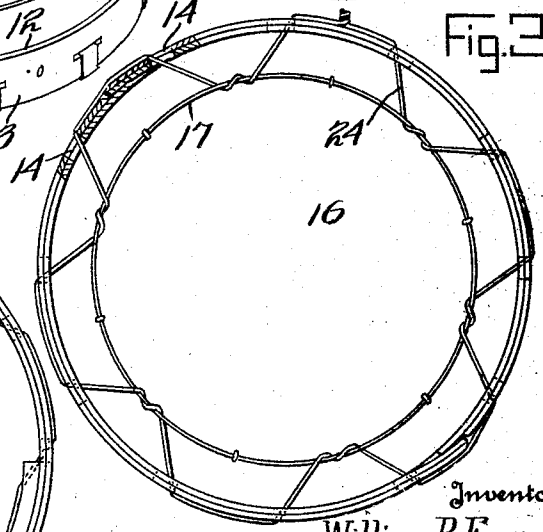
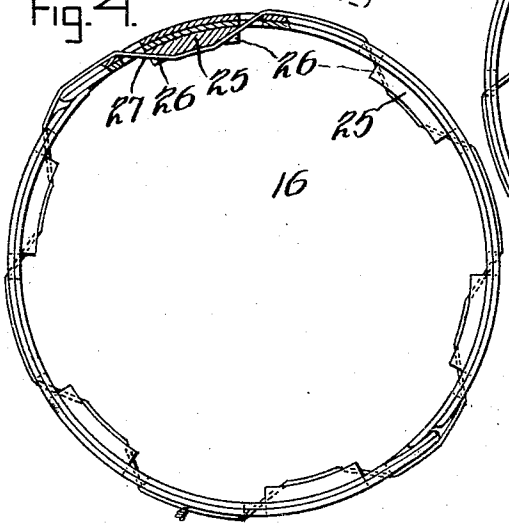


Fig. 4.



Inventor

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Patented Nov. 8, 1932 1,887,406

UNITED STATES PATENT OFFICE

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KNOCK-DOWN HOGSHEAD

Application filed January 11, 1932. Serial No. 586,035.

As is well known tobacco is usually shipped in hogsheads constructed of staves and heads secured together by hoops. After packing it is necessary to inspect the contents to determine the grade or quality of the tobacco and this requires that the package be opened by removing some of the staves, which necessitates considerable trouble and expense to restore the package to proper condition.

The object of my invention is to construct a hogshead of ply-wood adapted to be readily opened and having one-piece heads which may be readily removed without doing any material damage to either the head or the body of the container, whereby the parts of the container may be separated after use and nested in knock-down form for storage, or to be returned to the shipper for re-use.

Another object is to provide means for quickly and securely holding the heads in place.

Referring to the accompanying drawing, which is made a part hereof and on which similar reference characters indicate similar parts,

Figure 1 is a perspective view of a container showing one form of my invention,

Figure 2, a section on line 2—2 of Figure 1,

Figures 3 and 4, modified forms of securing the head in place, and

Figure 5, a plan view of a further modification.

The container is constructed of a pair of panels 10 and 11 of plywood bent into semi-cylindrical form and reinforced along their upper and lower edges with a strip of plywood 12 which is secured to the outside only. A thin metal band 13 the same width as the strip 12 encircles the strip 12 and the edges of the panels and is riveted thereto. Longitudinal slots 14 are cut through the metal band and the ply-wood members at spaced intervals.

In assembling the container, the panels 10 and 11 are bent around the heads and placed together with their meeting edges overlapping to form a cylinder and are secured together by a series of wire hoops 15 spaced at intervals throughout its length. The heads, which are identical, comprise a disk of plywood 16 adapted to fit snugly within the panels 10 and 11. This disk 16 has secured thereto on one side a circular concentric wire band 17 held stationary by staples 18. The disk heads 16 are secured within the panels 10 and 11 by means of a series of flat metal clips 19 each bent upon itself at one end as at 20 to form a hook which is engaged around the wire band 17. Each clip is then passed through a corresponding slot 14, pulled tightly then bent up and around the end of the panel and strip 12 as at 21. The pressure exerted against the head 16 causes the edge 22 to bear against the underside of the clip 19 at the point 23 which in turn bears against the inner edge of the slot 14. This system of securing the head within the container assures an even pressure on the head and prevents spreading of the side panels by means of the binding action of the bent portion 21 of the clip 19. When it is desired to inspect the contents of the container the bands 15 are cut or loosened and two or three of the clips 19 are removed from the top and bottom which will permit the end of one panel to spring open on one side as shown by the dotted line position in Figure 1, exposing the contents without any material damage to the container. The remaining clips 19 are sufficiently strong to retain the container in its proper form during the inspection.

Figure 3 illustrates a form of the invention in which the clips are omitted and a wire 24 is woven through the slots 14 and around the wire band 17 on the head 16. This wire 24 is pulled tightly and performs the same function as the clips.

Figure 4 shows a form in which the head 16 is a plain disk which is mounted in place

and secured therein by arcuate blocks 25 having diagonal slots 26 cut in its concave surface to retain a wire 27 which is woven alternately through the slots 14 and rests in said slots and which confines the blocks 25 against the inner surface of the side panels to form a stop for the head 16.

In the form shown in Figure 5 the disk head 28 is formed around its periphery with a series of longitudinal projections 29 which are adapted to enter corresponding slots 30 in the panels 10 and 11 and be retained therein by means of the usual wire band that encircles the container.

These several forms of head retaining means are shown as modifications of each other. While I have described this article as a tobacco hogshead it will of course be understood that the construction may be utilized for any other purpose, as for nail kegs or where other heavy materals are to be packed.

It will be obvious to those skilled in the art that various changes may be made in my device without departing from the spirit of the invention and therefore I do not limit myself to what is shown in the drawing and described in the invention, but only as indicated by the appended claims.

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

1. A knock-down hogshead or container comprising semi-cylindrical panels, spaced circumferential slots adjacent the curved ends thereof, circular heads and detachable clips secured at one end to said head, the free ends of said clips passing through said slots for retaining said head in said panels and further bent upwards and over said panels serving to re-enforce the ends thereof, substantially as set forth.

2. A knock-down hogshead or container comprising semi-cylindrical panels of ply-wood, a narrow reinforcing strip of similar ply-wood secured adjacent the curved ends thereof, thin metallic binding strips secured to said panels on the inside and said reinforcing strip on the outside, spaced circumferential slots cut through said panel, reinforcing strip and binding strip, circular heads of ply-wood, and detachable means secured to said head and passing through said slots being bent upward and over said panel and re-enforcing strip for retaining said head in said panels, substantially as set forth.

3. A knock-down hogshead or container comprising semi-cylindrical panels of ply-wood, a narrow reinforcing strip of similar ply-wood secured adjacent the curved ends thereof, thin metallic binding strips secured to said panels on the inside and said reinforcing strip on the outside, spaced circumferential slots cut through said panel, reinforcing strip and bindng strip, circular heads of ply-wood, a circular concentric wire band secured to said head, detachable means for retaining said head in said panels comprising flat strips of metal having one end bent around said wire band, their free ends passed through said slots and bent upwards and over said panel and reinforcing strip, substantially as set forth.

In witness whereof, I have hereunto set my hand at Elizabeth City, North Carolina this 24th day of December, A. D. nineteen hundred and thirty-one.

WILLIAM BLADES FOREMAN.