Nov. 8, 1927. 1,648,786

J. W. SMOAK ET AL

KNOCKDOWN BARREL

Filed Feb. 10, 1927

Fig. 1.

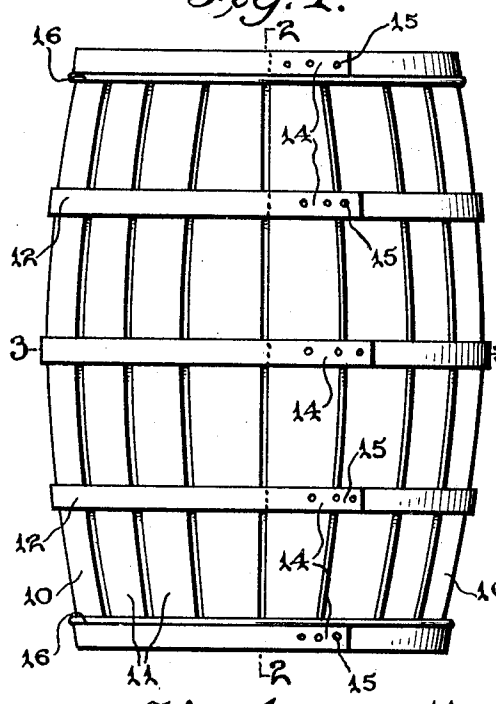


Fig. 2.

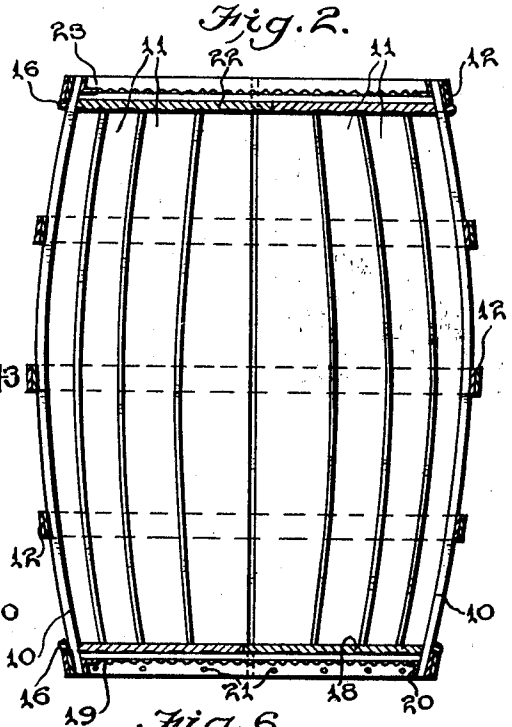


Fig. 4.

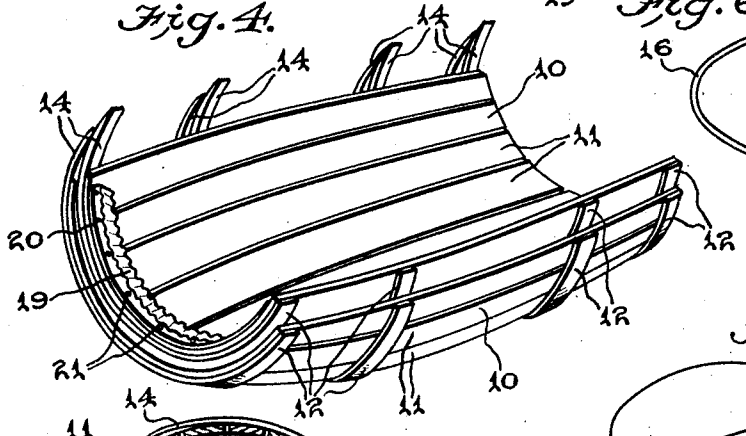


Fig. 6.

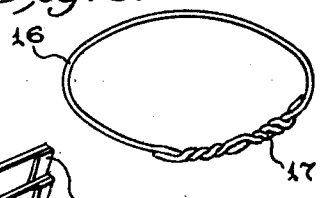


Fig. 5.

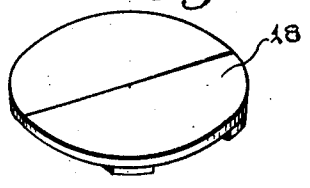
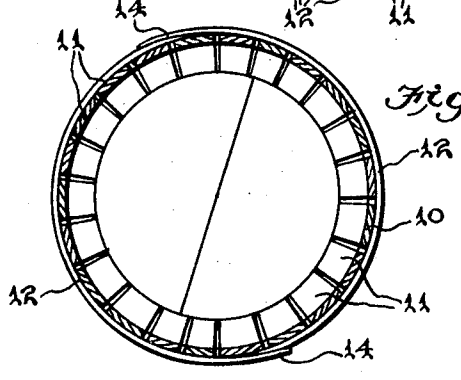


Fig. 3.



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UNITED STATES PATENT OFFICE.

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KNOCKDOWN BARREL.

Application filed February 10, 1927. Serial No. 167,168.

The object of the invention is to provide a barrel initially constructed in knock-down form so that it may be transported occupying a minimum of space; to provide a construction of this sort which is extremely simple and therefore susceptible of manufacture at low cost with consequent low selling price; and to provide a barrel of this character in which the parts may be quickly and easily assembled at the point where and at the time when it is to be put in service.

With this object in view the invention consists in a construction and combination of parts of which a preferred embodiment is illustrated in the accompanying drawings, wherein:

Figure 1 is a side elevational view of a barrel constructed in accordance with the invention.

Figure 2 is a central vertical sectional view on the plane indicated by the line 2—2 of Figure 1.

Figure 3 is a transverse sectional view on the plane indicated by the line 3—3 of Figure 1.

Figure 4 is a perspective view showing the barrel halves in nested relation.

Figure 5 is a perspective view of one head.

Figure 6 is a perspective view of one of the supplemental hoops.

The barrel is constructed in two half sections 10, the staves 11 being bilged or bulged in the usual form and those going to make up each half section being united by half hoops 12, the ends of which terminate short of their attendant section on one side but on the other side extend beyond the edge of the section as indicated at 14. The two sections are identical in so far as the disposition of the half hoops and staves is concerned and when the two sections are connected to form a barrel the hoop extensions 14 of each overlaps the half hoop of the adjacent section and are secured thereto in the usual manner by nails 15.

The half hoops are not relied upon to resist radial expansion of the barrel, supplemental hoops 16 being provided for this purpose, these hoops consisting of coarse wire strands of which the extremities are twisted together as indicated at 17. The supplemental hoops are disposed just back of the half hoops at either end of the barrel and are retained in position by abutment against the edges of the half hoops and the adjacent bulged portions of the staves.

The bottom head 18 is supported on the corrugated or crimped flanges 19 of the cross-sectionally angular, semi-circular stops 20 of which one is secured to each of the sections 10 at one end thereof by fasteners 21 passing through the plain or uncrimped flanges.

If a top head 22 is used in place of the usual burlap closure ordinarily employed to close barrels in which vegetables are shipped, stops 23 are employed identical with the stops 20 but left unattached to the sections, being only attached after the positioning of the upper head.

Prior to use, the devices may be easily shipped by nesting the sections as shown in Figure 4, the supplemental hoops and the heads, as well as the stops 23 being arranged in appropriate piles or bundles.

The supplemental hoops are arranged in surrounding relation to the two sections adjacent the ends prior to the nailing of the half hoops together. Thus the supplemental hoops, being made to a uniform diameter, insure the assembling of the barrels at a uniform size diametrically, so that the variation in cubical contents will be reduced to a negligible minimum.

The invention having been described, what is claimed as new and useful is:

1. A barrel comprising a plurality of sections consisting of staves and hoop elements uniting the staves, the hoop elements being flush at one side of the sections and extending laterally beyond the other side, so that the extending portions of the hoop elements may overlap the hoop elements of an adjacent section when the sections are disposed in edge and abutting engagement, and fasteners passing through the overlapping portions of the hoop elements when the said sections are in said abutting engagement.

2. A barrel comprising a plurality of identical sections disposed in a circular series and in edge and abutting engagement,

hoop elements carried by each section and overlapping the hoop elements of an adjacent section and secured thereto to unite the sections, and supplemental hoops disposed in surrounding relation to the assembled sections and in edge abutting engagement with certain of the hoop elements to limit the diameter of the barrel and maintain assembly pending securement of the hoop elements.

In testimony whereof they affix their signatures.

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