

B. E. BYRD & W. M. FALLON.
 PACKING AND STORING VESSEL.
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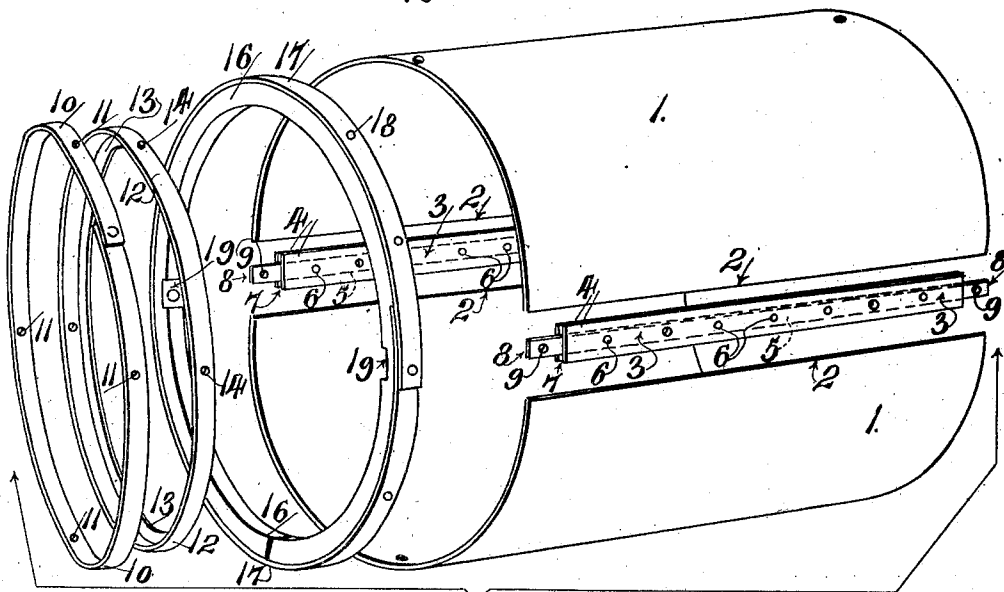
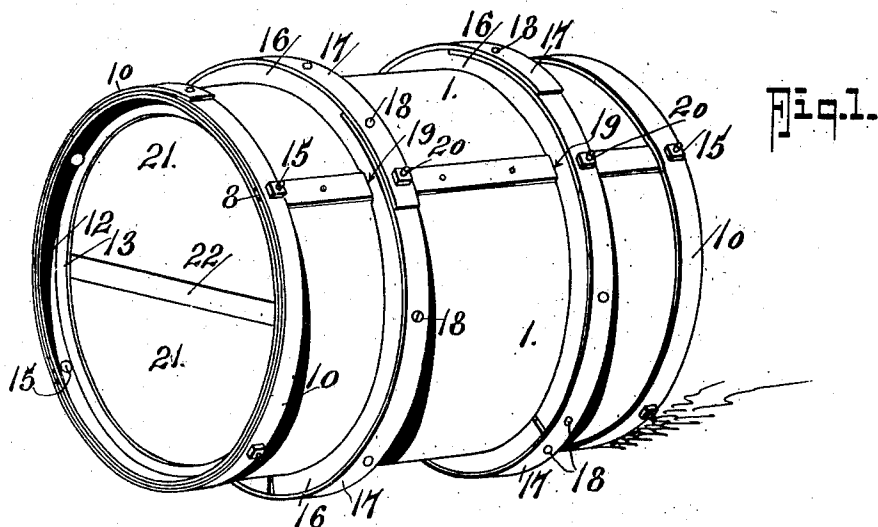


Fig. 2.

Fig. 3.

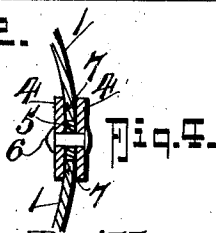
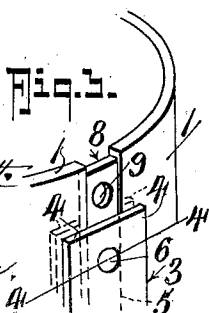


Fig. 4.

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PACKING AND STORING VESSEL.

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To all whom it may concern:

Be it known that we, BRITTON E. BYRD and WILLIAM M. FALLON, citizens of the United States, residing at Durham, in the county of Durham and State of North Carolina, have invented certain new and useful Improvements in Packing and Storing Vessels, of which the following is a specification.

Our invention is an improved cask for packing and storing tobacco, and it primarily has for its object to provide an inexpensive, light and durable knock-down cask that may be constructed principally of sheet material.

In its general nature the invention provides a cask composed of two half cylindrical sections whose longitudinal dividing edges are joined by a reinforced grooved strip and whose ends are reinforced by outer bands or hoops, and inner L rings to form abutments for retaining the cover disks or heads in place, the several parts being bolted together; the invention also includes the provision of runner hoops of light material reinforced with metal bands which are fitted on the outside of the cask between the ends thereof and act as runners on which the cask may be rolled.

The invention also involves those novel details of construction, combination and arrangement of parts, all of which will be first fully described, then be specifically pointed out in the appended claims, and illustrated in the accompanying drawings, in which:—

Figure 1, is a perspective view of a cask embodying the invention. Fig. 2, is a detail perspective view of two half sections and their connecting strips together with one of the runner bands or hoops, one of the inner L bands, or rings, and one of the outer end bands, separated. Fig. 3, is a detail perspective view of a portion of the cask. Fig. 4, is a horizontal section on the line 4—4 of Fig. 3.

Referring now to the accompanying drawing, in which like letters and numerals of reference indicate like parts in all of the figures, 1—1 designate the semi-cylindrical sheet material sections whose longitudinal edges 2 are joined through the medium of a connecting reinforced strip 3 that is formed of two metallic strips 4 riveted together at 6 to a spacing strip 5 to thereby define two longitudinal grooves 7 in which the longi-

tudinal edges 2 of the sections 1, are held. The strip 5 is of the full length of the sections 1, while the strips 4 are somewhat shorter, for a purpose presently to appear. The strip 5, where it projects beyond the strips 4 serves as a tongue 8 which is provided with holes 9 through which bolts 15 may be passed to secure the outer end bands 10 thereto. The bands 10 have bolt holes 11 through which the bolts 15 pass, additional bolts being provided to bolt the bands 10 to the sections 1. Fitted within each end of the cylinder, defined by the sections 1, is an inner ring or band 12, which is also secured by the bolts 15 and has a laterally projecting portion 13 to form an abutment for the cover disks or heads 21, it being understood that the ring 12 has holes 14 for the bolts 15 to pass through.

16 designates the runner hoops or bands which are of greater depth than the bands 10, and are preferably constructed of wood reinforced by an outer metallic band 17 that is secured at 18 to the wooden ring, the runner band or hoop 16 being fitted over the assembled sections 1 and 3 and held from turning by the notches 19 that receive the strips 3. The runner hoops or bands 16 may be held in position by retaining friction or they may be bolted at 20 to the strips 3, if desired.

It will be observed that the strips 3 and 4 are as much shorter than the full length of the sections 1 as the width of the bands 10, so that when the bands 10 are in position, as shown in Fig. 1, they will be separated by the strips 4 and abut the same on the outside of the cask. Similarly, the rings 12 abut the strips 4 on the inside of the cask.

In assembling the parts, the sections 1 are fitted into the reinforced and connecting strips 3, after which the runner bands 16 are slipped into place. The bands 10 and 12 are next fitted into position and bolted to the sections 1 and the tongue 8, it being understood that the bands 10 and 12, at one end of the cask are fitted on, after which the head 21 is dropped into position and the contents of the cask inserted, after which the head, at the other end of the cask is put into position and the ring 12 at that end is inserted and bolted down. The cover or head 21 may be reinforced by a bead 22, or in any other suitable way, if desired.

From the foregoing description taken in

connection with the accompanying drawing, it is thought the complete construction, operation, and advantages of our invention may be readily understood by those skilled in the art to which the invention relates.

What we claim is:

1. A knock-down cask composed of two semi-cylindrical sheet material sections, union strips for joining the longitudinal edges of said sections and each consisting of an inner and an outer strip and an intermediate spacing strip secured together, bands on the outside ends of said sections, means removably securing said bands to said sections, disk-like heads in said sections and a ring removably secured in each end of said sections to retain said heads, said outer strips being of less length than the length of said semi-cylindrical sections to abut said outside bands on the ends of said sections, and said spacing strip being of substantially the same length as said semi-cylindrical sections.

2. A knock-down cask composed of two semi-cylindrical sheet material sections, union strips for joining the longitudinal edges of said sections and each consisting of an inner and an outer strip and an intermediate spacing strip secured together, rings on the inside ends of said sections, bands on the outside ends of said sections, means removably securing said bands to said sections, and runner bands of greater depth than said end bands, and fitted over said sections between the ends thereof, said inner and outer strips abutting said inner rings and said outside bands at the ends of said sections.

3. A knock-down cask composed of a plurality of part-cylindrical sheet material sections, union strips for joining the longitudinal edges of said sections and including

longitudinal edge grooves for receiving the longitudinal edges of said sections, the groove portion of said union strips being of less length than that of said part-cylindrical sections, said union strips including tongues projecting to the ends of said part-cylindrical sections, an inner abutment band held in the ends of said part-cylindrical sections, outer bands on the outside ends of said sections, said tongues projecting between said bands, and means securing said end bands to said tongue, together with disk like heads retained in said sections by said inner bands.

4. A knock-down cask composed of a plurality of part-cylindrical sheet material sections, union strips for joining the longitudinal edges of said sections and including longitudinal edge grooves for receiving the longitudinal edges of said sections, the groove portion of said union strips being of less length than that of said part-cylindrical sections, said union strips including tongues projecting to the ends of said part-cylindrical sections, an inner abutment band held in the ends of said part-cylindrical sections, outer bands on the outside ends of said sections, said tongues projecting between said bands, and means securing said end bands to said tongue, together with disk like heads retained in said sections by said inner bands, and runner hoops on the outside of said sections intermediate the ends, said runner hoops having cut-away portions to receive said union strips, and means securing said runner hoops to said union strips.

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