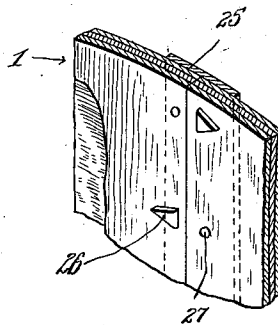
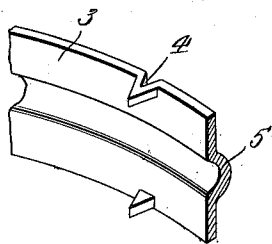
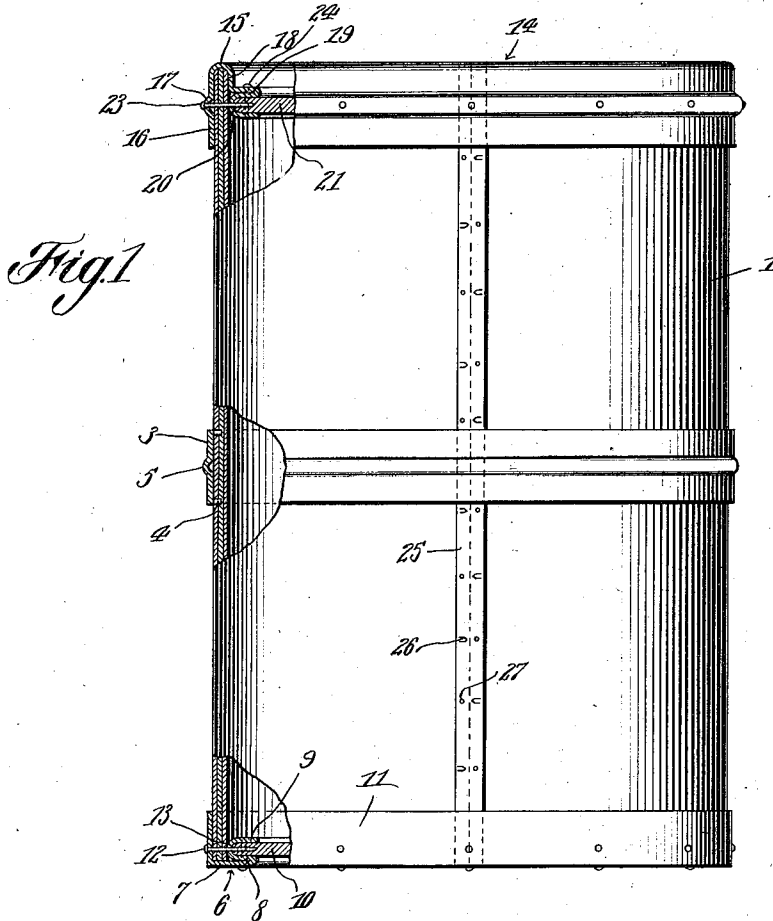


F. H. SABOURIN.
BARREL.

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1,014,524.

Patented Jan. 9, 1912.



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UNITED STATES PATENT OFFICE.

FRANK H. SABOURIN, OF NEWPORT, VERMONT.

BARREL.

1,014,524.

Specification of Letters Patent.

Patented Jan. 9, 1912.

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To all whom it may concern:

Be it known that I, FRANK H. SABOURIN, a citizen of the United States of America, residing at Newport, in the county of Orleans and State of Vermont, have invented new and useful Improvements in Barrels, of which the following is a specification.

This invention relates to barrels or similar receptacles, and has for an object to provide a new construction of an article of this character wherein it will be extremely light, durable and efficient and to provide in the construction of the walls of the receptacle continuous sheets or strips of thin veneer, each strip having its grain running in a different direction to the adjacent strip so as to present considerable rigidity to the structure and to prevent it from being easily destroyed.

A still further object of the invention is to obviate in the construction of the receptacle the usual well known staves, substituting therefor the hereinbefore described strips or sheets of veneer and to provide a longitudinal retaining element joining the ends of the strips and securely sealing the joint so as to prevent loss of the contents of the receptacle during shipment.

Another object of the invention is to provide a receptacle of the same transverse diameter throughout so that a great quantity of such receptacles can be packed in a comparatively small space for shipment.

Another object of the invention is to provide improved hoops which are associated with respect to the ends of the receptacle so as to greatly reinforce such ends and to provide in the construction of the hoops means for supporting the heads of the receptacle.

In the drawing, forming a portion of this specification and in which like numerals of reference indicate similar parts in the several views:—Figure 1 is a side elevation of the barrel, parts being broken away and parts being shown in section so as to clearly illustrate the invention. Fig. 2 is a fragmentary perspective view of a portion of the intermediate hoop. Fig. 3 is a fragmentary perspective view of a portion of the receptacle showing the retaining element for securing the ends of the veneer strips together.

The body 1 of the barrel is made up of a plurality of sheets of veneer around which is secured an intermediate metal hoop 3. This hoop is formed near its edge portions

with substantially V-like depressions or biting teeth 4 to be embedded in the body of the barrel so as to hold the hoop 3 properly adjusted thereon. At the center, the hoop is formed to provide an annular reinforcing bead 5. As shown in Fig. 3 of the drawing, the veneer sheets have their grain running in opposite directions so as to greatly strengthen the receptacle.

At the bottom the receptacle is provided with a metal hoop 6 which is formed from a single piece of material constructed to provide a continuous annular member 7 which is bent upon itself, as shown at 8, and formed to provide an annular head groove 9 in which the bottom head 10 is fitted. The member 7 of the hoop is provided with an annular flange 11 which extends upwardly against the sides of the body of the barrel and which is secured thereto by fastening devices 12. The fastening devices extend through the crown 13 of the head groove-forming portion of the hoop and into the head 10. The top hoop 14 of the barrel is somewhat similar in construction to the bottom hoop. The top hoop is constructed from a single piece of metal which is bent over the upper edges of the body 1, as at 15. The portion 16 of the hoop extends downwardly and outwardly at the sides of the body 1 and it is formed with an intermediate bead 17. The opposite portion 18 of the top hoop extends inwardly and downwardly against the sides of the body 1 and it is bent upon itself, as at 19, and formed to provide the head groove 20 in which is fitted the top head 21 of the barrel. The curved wall or crown portion 22 of the head groove 20 of the top hoop is disposed immediately in line with the reinforcing bead 17. Fastening devices 23 extend through the body 1 and through the crown portion 22 and reinforcing bead 17 and they are embedded in the head 21, as illustrated. In addition to the fastening devices 23 vertical fastening devices 24 extend through the walls of the head groove-forming portion 20 and through the portion 19 and pass through the head 21. These fastening devices not only provide means whereby the head 21 is securely held to the hoops but they provide means whereby the parts 19 and 20 are held most effectively clamped to the head.

The joint between the ends of the veneer sheets is closed by a retaining member 25. This member is formed of sheet metal

stamped to form a series of tongues 26, which are arranged in longitudinal rows and extended through the veneer sheets, as shown, and bent thereagainst. Reinforcing
5 rivets 27 extend through the body of the receptacle and through the member 25.

The construction just described forms a most durable fastening between the joints of the veneer sheets and seals the joint in
10 the complete receptacle so as to prevent any loss of contents of the receptacle in shipment.

I claim:—

A receptacle comprising a body member
15 embodying a many-layer veneer structure, each having its grain extending in an opposite direction to the adjacent layer of veneer, hoops fitting over the ends of the receptacle, one of said hoops comprising an outer portion
20 formed with a reinforcing bead and adapted to fit the outer surface of the barrel,

an inner portion bent upon itself to form a head groove, said inner and outer portions integrally connected with a top portion, said top portion adapted to cover and rigidly secure together the layers of veneer, vertical fastening means extending through said head groove and adapted to securely hold the head of said receptacle in said
25 groove, said reinforcing bead and head 30 groove being in horizontal alinement, and horizontal fastening means passing through said bead and groove whereby to secure the head of said receptacle and the layers of veneer in receptacle-forming relation. 35

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

FRANK H. SABOURIN.

Witnesses:

GEO. F. ROOT,
E. A. SPOONER.