

C. N. JOHNSON.

BARREL.

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933,307.

Patented Sept. 7, 1909.

Fig. 1

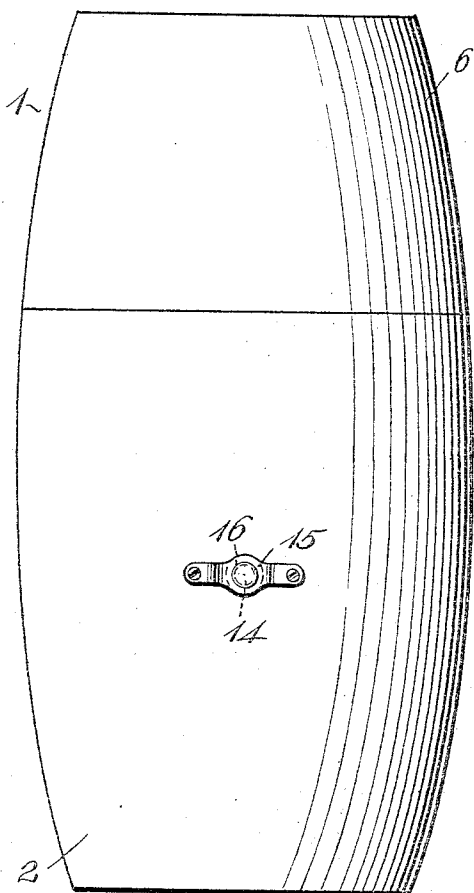


Fig. 2

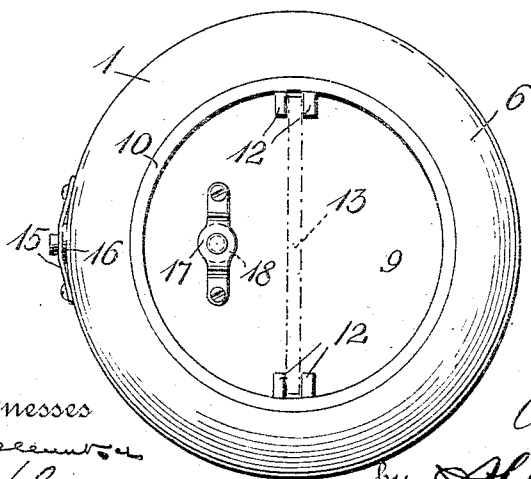
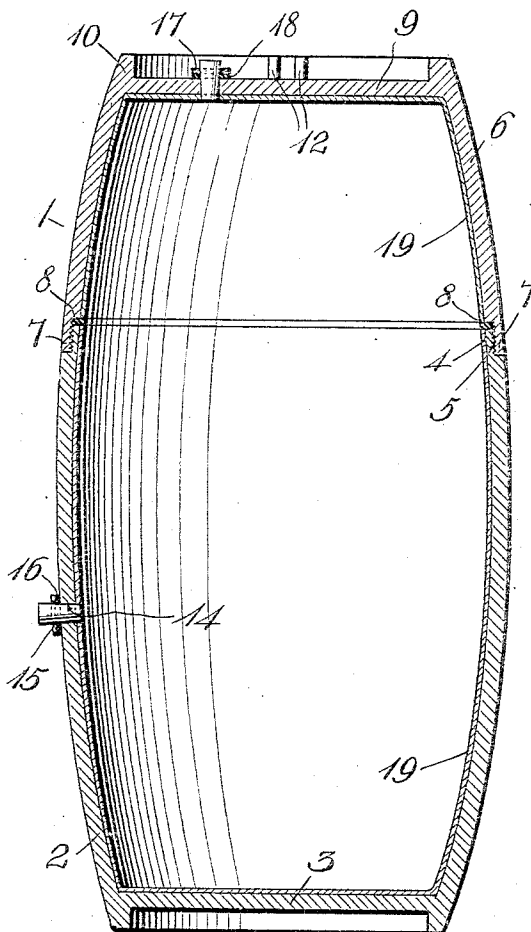


Fig. 3

Witnesses

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BARREL.

933,307.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES NEWTON JOHNSON, a citizen of the United States, residing at Vincennes, in the county of Knox and State of Indiana, have invented certain new and useful Improvements in Barrels; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in barrels, kegs, casks, and the like.

The object of the invention is to provide a container of this character formed of suitable metal having an enameled inner surface, whereby the contents of the same will be prevented from absorbing impurities or otherwise being contaminated, which frequently occurs in certain kinds of liquids when kept in wooden barrels.

A further object is to provide a barrel of this character, one end of which is made separately from the body portion of the barrel, and is provided with means for forming a fluid-tight engagement therewith.

With these objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts as will be more fully described and particularly pointed out in the appended claim.

In the accompanying drawing, Figure 1 is a side view of a barrel constructed in accordance with the invention; Fig. 2 is a vertical sectional view of the same; and Fig. 3 is a plan view of one end of the barrel.

Referring more particularly to the drawings, 1 denotes the barrel, which may be of any suitable size or shape, and which consists of a main or body portion, 2, which is open at its upper end and is closed at the opposite end by a head, 3, which is preferably formed integral with the sides of the body portion, as shown. The opposite open end of the body portion, 2, is constructed to form an inner annular forwardly projecting flange, 4, which is provided with exterior screw-threads, 5, and is adapted to receive the upper end or closing portion, 6, of the barrel.

The engaging side of the upper end 6 is formed on its inner side with an annular threaded recess, 7, which is adapted to be

screwed into engagement with the threaded flange, 4, of the body portion. In the recess, 7, is arranged a packing ring, or washer, 8, against which is adapted to be screwed the upper edge of the flange, 4, thereby forming a fluid-tight connection between the body portion and the upper end of the barrel.

The opposite end of the closing portion, 6, is provided with an integrally formed head, 9, which is countersunk below the upper edges of the portion, 6, thereby providing an outwardly projecting annular flange, 10, on the inner side of which are formed pairs of lugs, 12, said pairs of lugs being arranged at diametrically opposite points and are provided for the reception of a bar, 13, shown in dotted lines in Fig. 3 of the drawing, and adapted to serve as a means for assisting in unscrewing the closing section or end of the barrel from the body portion.

At a suitable position in the side of the barrel is formed a bung hole, 14, adapted to receive a bung or a faucet. Over the bung hole 14 is arranged a clamping plate 15, between which and the edges of the hole is arranged a suitable packing ring, 16, whereby a fluid-tight joint is provided between the edges of the hole and the bung or faucet driven therein. If desired, a similarly formed bung hole may be provided in the head 9 of the removable end of the barrel, said bung hole being covered by an apertured clamping plate, 17, between which and the edges of the hole, is clamped a suitable packing ring, 18, to form a fluid-tight engagement between the edges of the hole and the bung driven therein.

Over the entire inner surface of the body portion 2 and closing portion or upper end, 6, is arranged a lining, 19, of enamel or similar material, by means of which the contents of the barrel are prevented from being contaminated by contact with the material of which the barrel is formed, thus providing for the packing of liquids which are impaired when packed in barrels of the usual construction.

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

As a means to connect and disconnect barrel sections, and in combination with a chime on one section, of diametrically opposite

pairs of spaced lugs integral with the chime
and projecting inwardly toward each other,
and an operating bar adapted to removably
engage between the pairs of lugs to turn
5 said section, said lugs and bar having a
height no greater than the height of the
chime.

In testimony whereof I have hereunto set
my hand in presence of two subscribing wit-
nesses.

CHARLES NEWTON JOHNSON.

Witnesses:

J. P. HOUGHTON,
S. M. EMISON.