

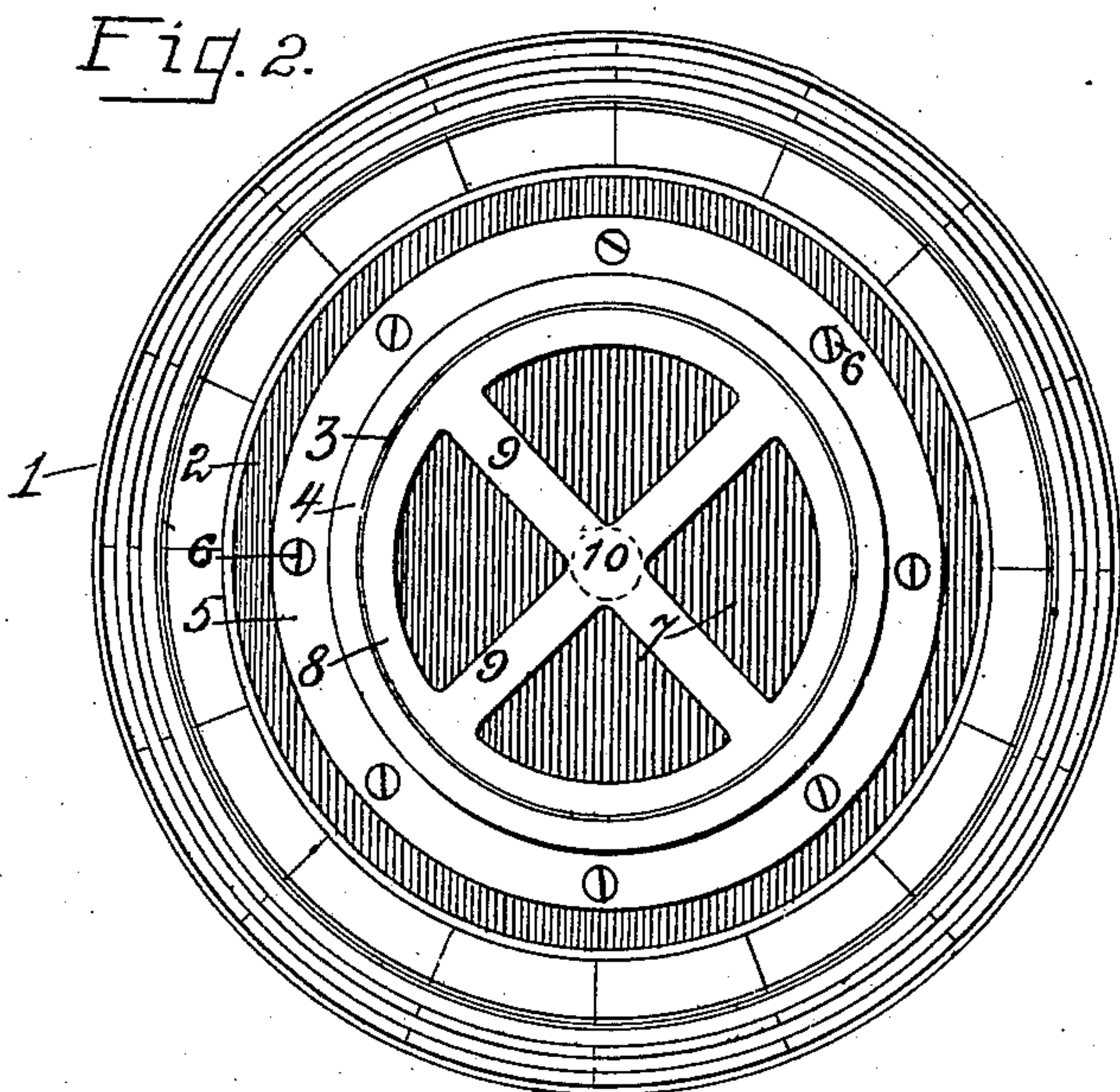
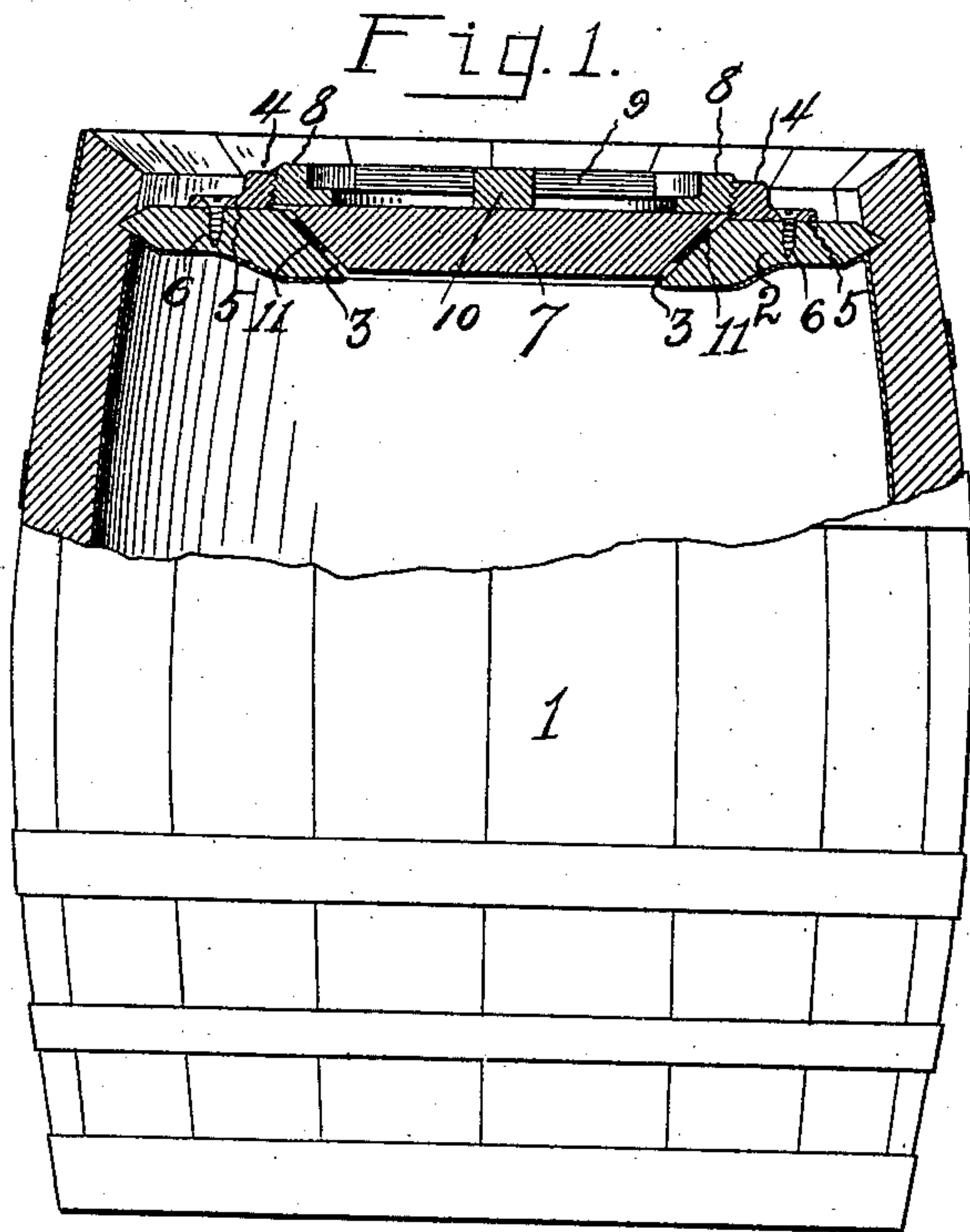
No. 883,812.

PATENTED APR. 7, 1908.

A. LA MARCHÉ.

BARREL HEAD.

APPLICATION FILED MAR. 29, 1906.



WITNESSES:

D. C. Walter.
Ada Law

~~INVENTOR:~~

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J. Albert La Marche,
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UNITED STATES PATENT OFFICE.

ALBERT LA MARCHE, OF TOLEDO, OHIO.

BARREL-HEAD.

No. 883,812..

Specification of Letters Patent.

Patented April 7, 1908.

Application filed March 29, 1906. Serial No. 308,700.

To all whom it may concern:

Be it known that I, ALBERT LA MARCHE, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Barrel-Heads; 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

A familiar difficulty encountered by retail dealers in pickles, kraut, salt fish and various other commodities, is that when the head of the barrel is removed to give access to the contents of the barrel, the end-hoops must be loosened or removed, thus permitting the liquid to escape. After the head is once removed, the barrel remains unsealed and the contents more or less exposed to dust, evaporation, and handling.

My invention relates to a barrel or cask designed to overcome the difficulties here indicated, and, more particularly, is intended to furnish a barrel-head with a closure which may be opened and closed at will, which serves as a hermetic seal for the barrel, which will conveniently permit ready access to the contents of the barrel without disturbing the hoops of the barrel, and which will in no wise interfere with the transportation, shipment, or handling of the barrel.

I attain these objects by means of the devices and arrangement of parts hereinafter described and shown, and illustrated in the accompanying drawings, in which—

Figure 1 is a side-elevation of a barrel embodying my improvement, partly in central vertical section, and Fig. 2, a top-plan view of the same.

Like numerals of reference indicate like parts in both views.

In the drawings, 1 is a cask consisting of the usual staves and hoops. One of the heads of the barrel is of the usual construction, the other head 2, being constructed

and secured in place in the usual manner, but having through its center a hand-hole 3, the margin of which hole is chamfered inwardly, as shown. Surrounding the margin of the hole, on the outer side of the head of the cask, is a thick metal ring 4 having a flat extended flange 5. Through the flange at regular intervals are holes for the reception of screws 6 by means of which the ring is closely secured to the head of the barrel. 7 is a wooden disk having its edge chamfered to correspond with the bevel of the hole 3. This disk is usually the same piece which is cut from the head to form the opening. The inner circumference of the ring 4 is threaded to receive a corresponding external thread upon circular frame 8 having cross-arms 9 and a central downwardly projecting boss 10. Between the opposed chamfered margins of the hole 3 and the disk 7 is interposed a packing-strip 11 which is employed chiefly during the transportation of the package.

The operation of my device is as follows: The barrel having been filled, the disk 7 with the packing-strip 11 are put in place. The ring 8 by means of a stout suitable wrench is now secured into the opening of the ring 4 so that the bottom faces of the ring 8 and of the central boss 10 press powerfully against the top of the disk 7, thus compressing the packing and hermetically sealing the opening through the head. The rings 4 and 8 are of such thickness that they do not project beyond the chime of the barrel. In this way the rings are protected, in shipment, and do not interfere with placing the barrel on end.

Having described my invention, what I claim and desire to secure by Letters Patent is,—

1. In a barrel, a head having a chamfered opening therethrough, a corresponding closure for said opening, an internally threaded ring surrounding the margin of said opening, an externally threaded member which fits said internally threaded ring, and bearing portions on said externally threaded member adapted to engage the outer surface of said closure.

2. In a barrel, a head having a chamfered

opening therethrough, a corresponding closure for said opening, an internally threaded ring surrounding the margin of said opening, an externally threaded member which fits
5 said internally threaded ring, and bearing portions on said externally threaded member adapted to engage the outer surface of said closure, combined with a packing interposed

between the opposed faces of said opening and said closure.

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

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ALBERT LA MARCHE.

Witnesses:

L. SKRANSEWFKY,
ADA LAW.