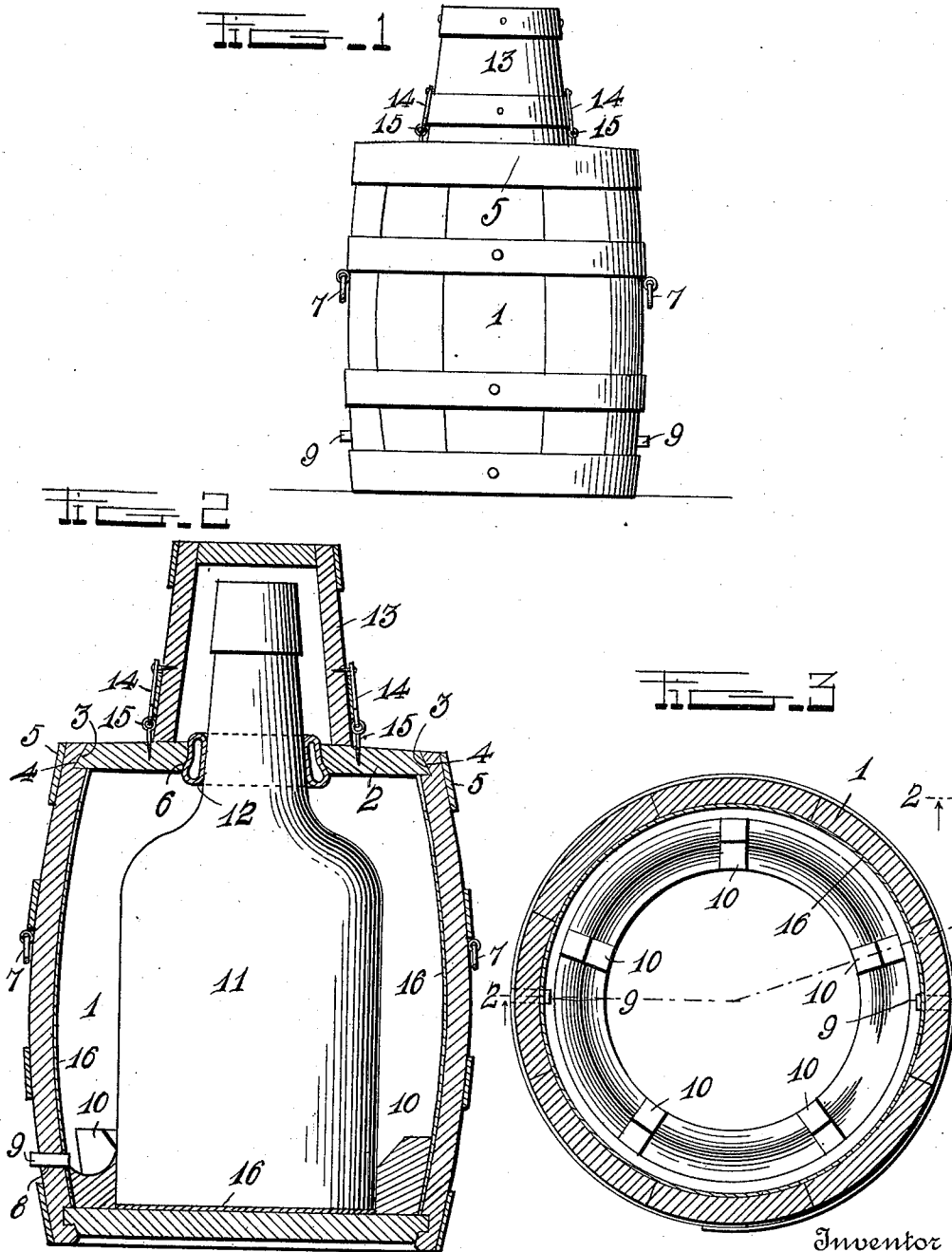


C. S. WEATHERBY.
SHIPPING CASE.
APPLICATION FILED MAR. 10, 1910.

1,001,717.

Patented Aug. 29, 1911.



Witnesses

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UNITED STATES PATENT OFFICE.

CALVIN S. WEATHERBY, OF PAULSBORO, NEW JERSEY.

SHIPPING-CASE.

1,001,717.

Specification of Letters Patent. Patented Aug. 29, 1911.

Application filed March 10, 1910. Serial No. 548,459.

To all whom it may concern:

Be it known that I, CALVIN S. WEATHERBY, a citizen of the United States, residing at Paulsboro, in the county of Gloucester and State of New Jersey, have invented certain new and useful Improvements in Shipping-Cases; 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 shipping cases.

One object of the invention is to provide a shipping case for bottles having means whereby the bottle is held against breakage without the use of packing.

Another object is to provide a shipping case which is particularly adapted for shipping bottles containing acids and which is provided with means whereby, should the bottle be broken, the acid will be confined by the case, thus preventing fire or other damage which is frequently caused by acids in escaping from broken containers.

With the foregoing and other 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 drawings, Figure 1 is a side view of a shipping case constructed in accordance with the invention; Fig. 2 is a central vertical section of the same showing a bottle in place therein; Fig. 3 is a horizontal section of the case with the bottle removed.

Referring more particularly to the drawings, I denotes the shipping case which may be of any suitable size or shape and which is here shown and is preferably constructed in the form of a keg having on its upper open end a removable cover 2. The cover 2 is provided with a beveled outer edge 3 which fits into a beveled annular groove 4 formed in the upper ends of the staves of the keg whereby the cover is removably held in place on the case by the upper hoop 5 of the case when said hoop is forced down in place. In the cover 2 is formed a centrally disposed aperture 6, the walls of which are inclined or flared inwardly for a purpose hereinafter described.

The case is preferably provided with suitable handles 7, which are here shown and are preferably drop handles. In the lower portion of the case is formed one or more drain passages 8, which are normally closed by plugs 9. Secured to the bottom of the case and to the inner sides thereof are a series of radially disposed spacing blocks 10, which are adapted to hold the bottle or container 11 in the center of the case and spaced a suitable distance from the sides of the same. The blocks 10 are beveled or inclined on their inner sides at their upper ends to guide the bottle or container and to direct the same downwardly between themselves to the bottom of the case.

On the neck of the bottle or container is arranged a packing ring 12, which is preferably formed of rubber tubing but which may be of any suitable construction. The packing ring 12 is adapted to be engaged by the beveled or flaring wall of the aperture 6 in the cover 2, thus providing a yielding fluid tight connection between the walls of said aperture and the neck of the bottle. When the cover has been placed on the case and neck of the bottle, said neck will project above the cover, and in order to protect the same from injury I provide a cap 13 which is placed over the projecting neck of the bottle and rests upon the cover, as shown. The cap 13 is held in place by suitable fastening devices which are here shown in the form of hooks 14 pivotally connected to the cap and adapted to be engaged with eyes 15 secured in the upper side of the cover, as shown.

By means of the spacing blocks 10 and the apertured cover and packing ring, the bottle will be securely held in place in the center of the case thus reducing to a minimum the liability of breakage. In order, however, to prevent the escape of the acid or other liquid contained in the bottle, should the latter be broken in the case, the latter is sealed and protected on its inner side by a coating 16 of paraffin or similar acid resisting material, which will not only effectively seal the case but will also prevent the acid from burning or injuring the same. By thus confining the acid, all danger or other damage which might result from the escape of the acid is prevented and the acid is saved.

From the foregoing description taken in connection with the accompanying drawings,

the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Having thus described my invention, what
5 I claim is:

10 The combination with a shipping case for carboys, of a plurality of inclined spacing blocks fixed on the bottom thereof to bear against the carboy, a cover removably secured on the upper end of the casing and having a central opening therein which is inclined part way of its circumference, a rubber tubing fitted in said opening and adapted to be compressed by said inclination

of the opening so as to extend above and below the opening and around the neck of the carboy, and a cap secured to the cover beyond and extending over said opening and the neck of the carboy projecting there-through. 15 20

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

CALVIN S. WEATHERBY.

Witnesses:

CHARLES W. SHUERS,
WM. HENSMAN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."