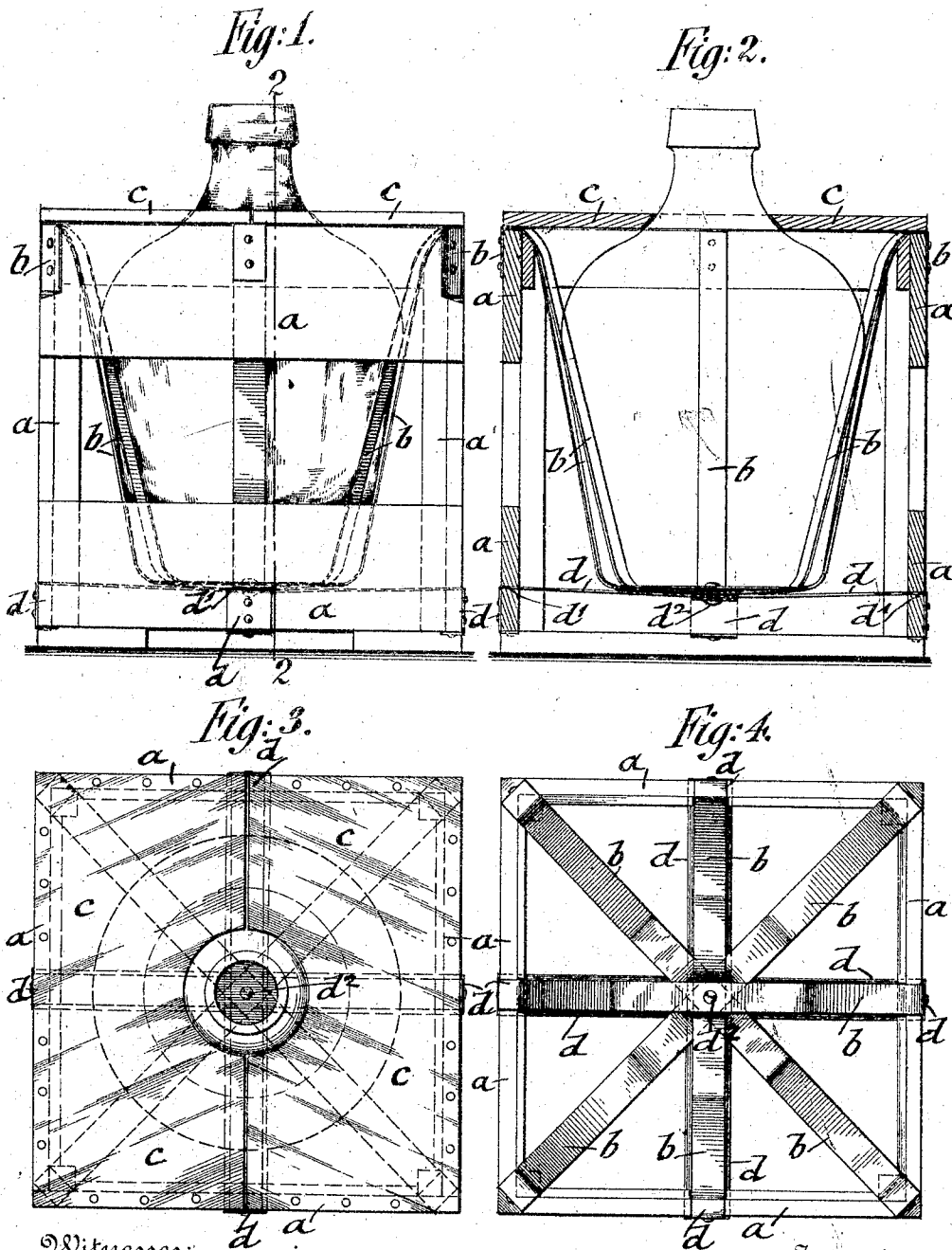


C. E. TORREY.
CARBOY HOLDER.
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988,675.

Patented Apr. 4, 1911.



Witnesses:
John Murtagh
H. F. Armagnac

Inventor
Charles E. Torrey
By his Attorneys
-Wm. X. Torrey-

UNITED STATES PATENT OFFICE.

CHARLES E. TORREY, OF NEW YORK, N. Y.

CARBOY-HOLDER.

988,675.

Specification of Letters Patent.

Patented Apr. 4, 1911.

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To all whom it may concern:

Be it known that I, CHARLES E. TORREY, a citizen of the United States of America, residing in New York, in the borough of Brooklyn, county of Kings, and State of New York, have invented certain new and useful Improvements in Carboy-Holders, of which the following is a specification.

This invention relates to an improved carboy-holder by which carboys and other glass receptacles containing acids and other substances are protected against accidental breakage by sudden jars or concussions; and for this purpose the invention consists of a carboy-holder which comprises an exterior box of the size of the carboy or other receptacle, U-shaped main-straps attached to the upper ends of the side-walls of the box and adapted to cross each other near the bottom of the same, transverse cross-straps extending at right angles to each other from the lower portions of the side-walls of the box, and means for attaching the bottoms of the intercrossing main-straps to the cross-straps at their point of intersection.

The invention consists further of certain details of construction which will be fully described hereinafter and finally pointed out in the claim.

In the accompanying drawings, Figure 1 represents a side-elevation of my improved carboy-holder, showing a carboy in position therein, Fig. 2 is a vertical transverse section on line 2, 2, Fig. 1, Fig. 3, a plan-view, and Fig. 4, a plan-view of the carboy-holder with the cover and carboy removed for showing the interior main- and bottom cross-straps.

Similar letters of reference indicate corresponding parts throughout the figures.

Referring to the drawings, *a* represents a box, preferably of wood, which is made of the size of the carboy or other receptacle which is supported therein. The box *a* is closed by a cover *c* formed of two sections which are provided at the middle portions of the adjacent edges with semi-circular recesses for the neck of the carboy. The cover *c* is nailed or otherwise attached to the upper end of the box *a*. To the upper ends and corners of the side-walls of the box are attached main-straps *b* which are of approximately U-shape and which extend from the upper end of the box to some distance from the bottom of the same, the sides

of the U-shaped portions of the main-straps being slightly converging toward the bottoms of the straps. The main-straps *b* are made of galvanized sheet-metal. The lower or bottom-portions of the main-straps *b* intercross each other at the center of the box and at some distance from the bottom of the same. The main-straps *b* hold the body of the carboy or other receptacle in position. Horizontal straps *d* are passed through slits *d'* in the lower portions of the side-walls, extended to the outside of the same and bent downwardly, the downwardly-bent ends being attached to the side-walls by nails or otherwise. The bottom-straps *d* intercross each other at or near the center of the box and are connected by a rivet *d''* or otherwise with the intercrossing lower portions or bottoms of the main-straps. The cross-straps hold the main-straps and thereby the carboy or other receptacle rigidly in position and prevent any wobbling motion of the same. The bottom-straps may be likewise made of galvanized sheet-iron.

The main and bottom-straps hold the carboy firmly in position and prevent its coming in contact with the side-walls or bottom of the box, and thereby the cracking and breaking of the carboy. The holder can thereby be accidentally dropped with the carboy, as shocks or concussions have no influence upon the same, being taken up by the supporting straps. A very strong and reliable protecting support or holder for the carboys or other receptacles is thereby obtained, so that they can be shipped with facility and security, without being injured or broken in transit.

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

A carboy-holder comprising an exterior box, intercrossing flexible metallic cross-straps substantially parallel to and spaced from the bottom of the box and secured to the side walls of the box, intercrossing flexible metallic main strips each having its ends secured to diametrically opposite points of the top of the side-walls and to the corners of the box, the intermediate part of the main strips extending inwardly and downwardly to the level of said cross straps, the middle part of the main strips extending horizontally, said strips intercrossing at the

axis of the box, and every part of all of said strips except the ends being remote from the box, and a rivet passed through all of said straps at said axis, said cross strips serving to steady the lower part of the main strips.

In testimony, that I claim the foregoing

as my invention, I have signed my name in presence of two subscribing witnesses.

CHARLES E. TORREY.

Witnesses:

PAUL GOEPEL,
FANNIE FISK.