J. H. COLEMAN.

Cases for Carboys.

No. 205,614. Patented July 2, 1878.

Fig. 2.

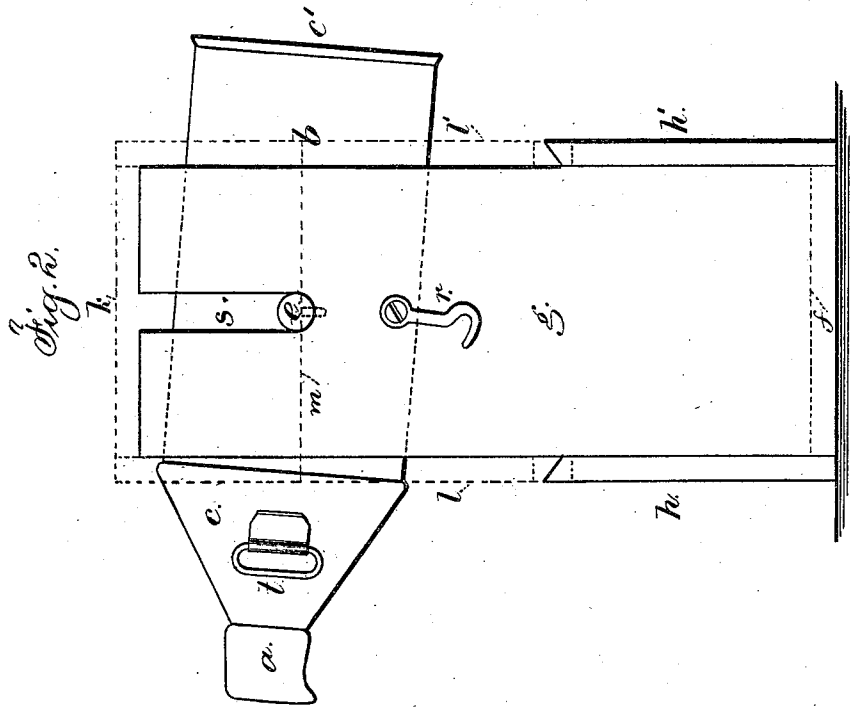
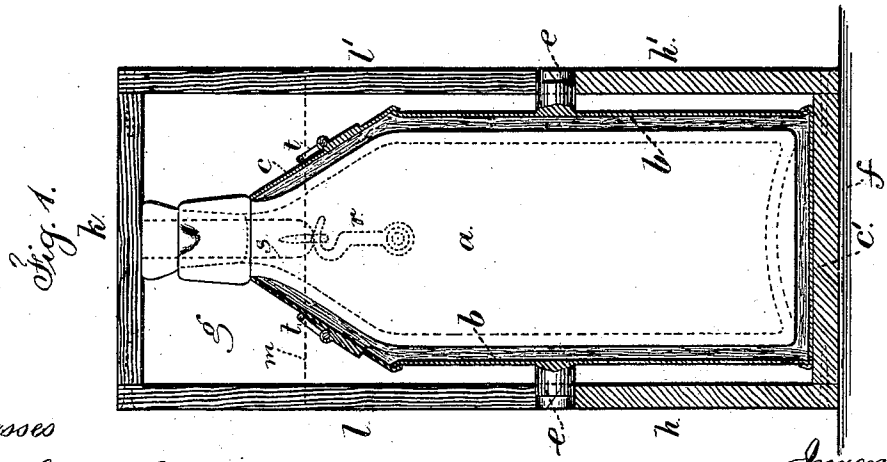


Fig. 1.



Witnesses

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per Samuel W. Serrell Atty

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UNITED STATES PATENT OFFICE.

JOHN H. COLEMAN, OF NEW YORK, N. Y.

IMPROVEMENT IN CASES FOR CARBOYS.

Specification forming part of Letters Patent No. **205,614**, dated July 2, 1878; application filed March 27, 1878.

To all whom it may concern:

Be it known that I, JOHN H. COLEMAN, of the city and State of New York, have invented an Improvement in Cases for Glass Carboys, Demijohns, &c., of which the following is a specification:

Cans made of sheet metal have been inclosed in cases of wood, and portions of the cases have been removable, whereby to give access to the can for filling the same, or for pouring out portions of the contents. A case and can are also shown in Letters Patent No. 196,083, in which there are trunnions upon the sides of the can sustained in the case. This device has only been applied with cans of metal adapted to oil and other kindred liquids.

My invention relates to an improvement upon the aforesaid patent, whereby the elevated swinging holder is rendered available for acids, spirits, or other materials that require to be kept in a glass vessel. I inclose the glass carboy or bottle in a metallic holder with a layer of straw or similar material between the metal and the glass, and I provide trunnions at the sides of the metal holder and handles at the upper portion thereof for lifting the glass bottle and its metal holder, and I employ a wooden case for the said glass vessel and holder, which case is similar to that described in said patent, only the parts are made with reference to accommodating the neck of the bottle.

By my improvement the acid carboy or glass bottle is protected in the most reliable manner from injury.

In the drawing, Figure 1 is a vertical section of the bottle within the holder, and Fig. 2 is a side view with the bottle in position for pouring.

The bottle or carboy *a* is of glass, of a suitable size and shape. This is inclosed in the metal cylinder *b*, with a conical upper end, *c*, coming up around the neck of the bottle, and with a flat bottom, *c'*. The space between this metal holder and the glass bottle is filled with straw or similar material, that prevents injury to the glass.

By this construction the metal holder protects the glass from injury, and the filling of straw or similar material prevents looseness or concussion upon the glass.

At the sides of the cylinder *b* are the trunnions *e*, that are securely attached, and they are located above the center of gravity, so that the carboy will hang securely upon said trunnions; but it may be swung upon the same as the bottle is tipped to pour its contents.

The wooden case to receive this glass bottle and its metallic holder is formed of the bottom *f*, sides *g*, front *h*, and back *h'*, and a removable upper portion or top, *k*, with front and back portions *l l'* and side flanges *m*. The size and shape of these parts are such that the trunnions rest within notched bearings at the upper edges of the front and back portions *h h'* when the carboy or demijohn is within the case. The portions *l l'* come down upon these trunnions and hold them, so that the bottle and its metallic holder are retained from moving within the case when the cover and the portions *l l'* are secured in place by hooks *r*, or other suitable fastenings for connecting the bottom and top parts of the case together.

In the upper parts of the sides are the slots *s*, that are adapted to receive the trunnions *e* when the bottle and its holder are lifted and turned around. These slots are of a length to allow the said holder to descend as low as consistent for the bottom to clear the top edges of the front or back portions of the case when it is tipped.

The length of the neck renders it necessary to employ these slots, because the trunnions should only be slightly above the center of gravity, and the holder, when elevated, should not be higher than necessary for its bottom to clear the parts of the case as it is swung.

The handles *t* upon the upper parts of the holder allow for the carboy or bottle to be easily handled.

I claim as my invention—

The glass bottle inclosed in a sheet-metal holder having trunnions, and provided with a packing between the glass and holder, in combination with the wooden case having the removable upper portion and the bearings for the trunnions in the front and back *h h'* and within the slots *s* of the sides *g*, substantially as set forth.

Signed by me this 23d day of March, A. D. 1878.

JNO. H. COLEMAN.

Witnesses:

HAROLD SERRELL,

WILLIAM G. MOTT.