

D. E. SEYBEL.  
Carboy.

No. 221,706.

Patented Nov. 18, 1879.

Fig I.

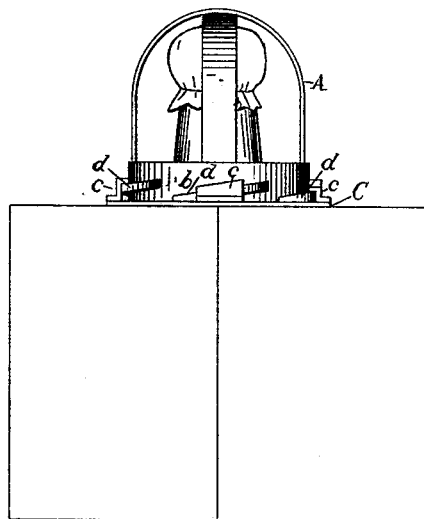
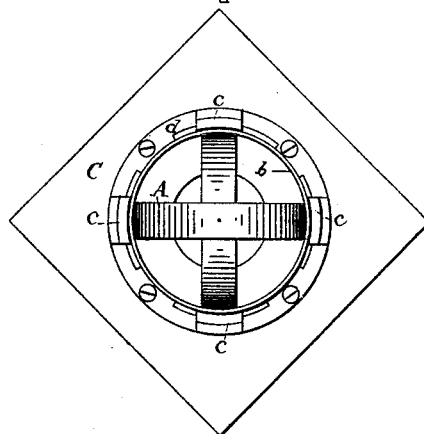


Fig II.



Attest.

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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN CARBOYS.

Specification forming part of Letters Patent No. **221,706**, dated November 18, 1879; application filed August 16, 1879.

*To all whom it may concern:*

Be it known that I, DANIEL E. SEYBEL, of New York city, have invented certain new and useful Improvements in Carboys, of which the following is a specification.

In carboys as ordinarily formed, as is well known, the projecting neck of the flask is but temporarily protected by an **A**-shaped board-guard nailed over the same, which is torn off after the first access to the contents of the flask, leaving the neck afterward unprotected.

My invention aims to obviate this objection; and it may be briefly stated to consist in constructing the carboy-case with a removable guard or hood, provided with bayonet-fastening or segmental screws, arranged to engage with corresponding fastenings on the carboy-case, whereby the hood may be locked in place on the case to inclose and protect the neck of the flask, or be removed to give access to the flask, as occasion requires, the whole being so constructed as to be readily attached to the ordinary casing found on common carboys after the **A**-shaped guard has been removed.

In the drawings, Figure 1 gives an elevation of my improved carboy, and Fig. 2 a plan thereof.

The carboy-case and its inclosed flask are of the usual form, as illustrated, the neck of the flask projecting from a central opening in the top of the case, as usual.

My invention lies in the protecting-hood **A**, capable of ready removal from or secure attachment to the case over and around the neck of the flask, as illustrated. This hood I prefer to construct of sheet or hoop metal, preferably of two inverted-**U**-shaped pieces of hoop-iron, riveted together at the top, where they cross each other, while their pendent extremities are riveted to a ring, *b*, which is adapted to rest on and engage with a flat ring, **C**, secured to the carboy-case around the neck of the flask, as illustrated.

The ring **C** of the case and the ring *b* of the hood are each provided with corresponding locking devices in the nature of a bayonet-fastening, whereby one ring may be engaged with the other to securely lock the hood in position over the neck of the flask, or may be readily disengaged to allow the hood to be removed. I prefer, therefore, to form the ring *b* of the

hood with segments *d d* of a screw-thread, and to form the ring **C** of the case with engaging-projections *c c*, or segments of a nut, arranged at wide intervals, as shown, so that when the hood is placed on the ring **C**, with its screw-segments between the projections *d*, and is then turned in one direction, the segments engage with the projections *c* and clamp the hood by a screw action firmly over and around the neck of the flask, and when the hood is turned in the opposite direction, so that the segments are freed from the projections, it may be readily removed; hence by this device the neck of the carboy is fully protected during storage or transportation, or when the removal of its contents is not required, while access thereto is very readily effected when necessary by the easy removal of the hood.

The device thus presents the advantages of safety and convenience, and also economy both in time and expense, as it entirely obviates the nailing and unnailing of the usual temporary board-guard over the neck every time the carboy is delivered from the factory and emptied by the consumer, which expedient is both clumsy and inconvenient, and tends to injure the carboy-case, and in the long run amounts to an appreciable expense.

By the peculiar construction shown in my hood and its base-ring, it can be readily attached to any of the old casings now used by the manufacturers and dealers in acids, or a consumer who buys a carboy of acid for his own use can, on removing the ordinary **A**-shaped guard, readily apply my improvement to the old casing by simply screwing the base-ring **C** to the top of the flask, by which means the neck of the flask from which the current supply of acid is occasionally taken may be fully protected between the times of obtaining such supply. When the supply has become exhausted in this carboy my hood and its fastening-ring may be readily removed from it and as readily attached to another carboy, for protecting the neck of that one during the consumption of its contents.

It will be obvious that the hood **A** may also be formed of sheet metal, struck up into the required form by dies, and may be perforated or not, as desired. It may also be formed of cast-iron, cast in one piece, or in other suitable

ble manner which it may be thought best to adopt.

I am aware that it is old to provide the top of a bottle with a wire skeleton guard or cage; that a demijohn-case has been provided with a removable top intended to be secured in position by side pieces forming part of the casing; that bottle-coverings have been made with a detachable screw-ring intended to secure the bottle in the case, and provided with a hood screwing into said ring; and that various preserve-jars have been patented showing screw-segments; but none of these show the peculiar construction embodied in my improvement, the main feature of which may be stated to be a wood-incased carboy, the casing having a flat top to hold the flask in position, in combination with a detachable fastening-ring and removable hood, to protect the neck protruding through the flat top, said detachable fastening-ring and hood being so constructed and adapted as to be readily removed from one carboy to another, as desired.

What I claim as my invention is—

1. The removable hood or cage A, having its base fitted with attaching-fastenings, in combination with corresponding engaging-catches attached to or formed on a removable ring, adapted to be attached to the flat top of a common carboy-case around the opening therein, whereby the hood may be firmly fastened to the top of the case over and around the neck of the flask, or removed therefrom, as required, substantially as herein shown, and for the purpose specified.

2. The combination of the hood A, having its base-rim fitted with screw-segments *d d*, together with the case-ring C, adapted to be fastened to the flat top of an ordinary carboy-case, and fitted with engaging-projections or nut-segments *cc*, substantially as herein shown and described.

DANIEL EDWARD SEYBEL.

Witnesses:

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CHAS. M. HIGGINS.