(No Model.)

C. S. JOSLIN.

HOLDER FOR ACID CARBOYS.

No. 273,098. Patented Feb. 27, 1883.

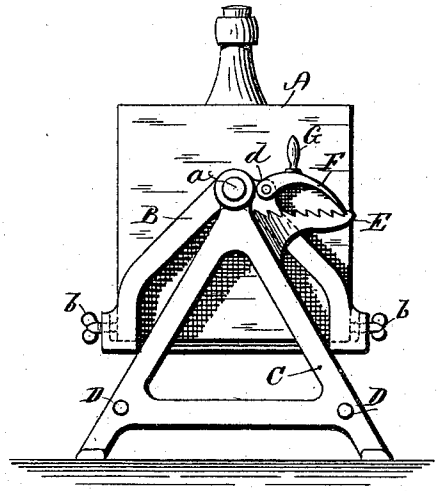


FIG. 1.

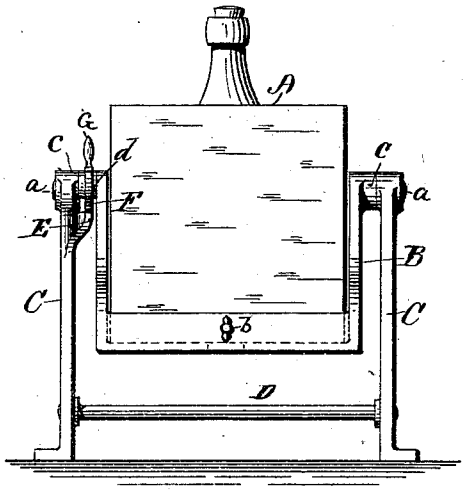


FIG. 2.

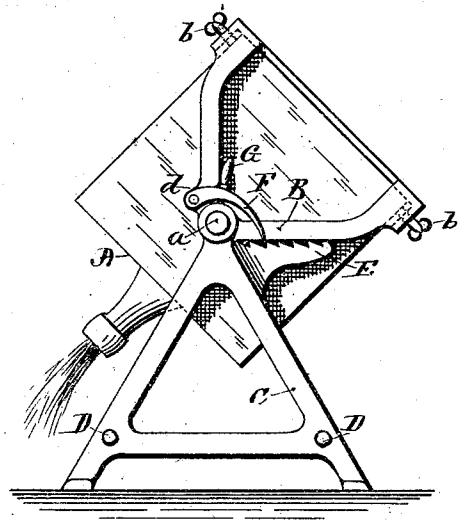


FIG. 3.

WITNESSES.

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UNITED STATES PATENT OFFICE.

CHARLES S. JOSLIN, OF ATTLEBOROUGH, MASSACHUSETTS.

HOLDER FOR ACID-CARBOYS.

SPECIFICATION forming part of Letters Patent No. 273,098, dated February 27, 1883.

Application filed April 5, 1882. (No model.)

To all whom it may concern:

Be it known that I, CHARLES S. JOSLIN, of Attleborough, in the county of Bristol and State of Massachusetts, have invented an Improvement in Holders for Acid-Carboys, of which the following is a specification.

My invention relates to an improved holding-frame into which an acid-carboy may be secured so as to move upon pivots, which will allow the carboy to be safely turned to one side for the purpose of pouring the acid therefrom; and it consists in the combination of the pivoted holding-frame with a ratchet-bar rigidly attached to one of the supporting-standards of the said frame, and a pivoted ratchet-catch provided with an upright handle, whereby the movement of both the catch and carboy may be controlled by one hand of the operator when pouring acid from the carboy, and whereby the carboy may be retained at any required inclination, as hereinafter fully set forth.

Figure 1 is a side elevation of the carboy and frame. Fig. 2 is a rear elevation of the same. Fig. 3 is a side elevation, showing the carboy in an inclined position, in which it may be held by means of the catch and ratchet-bar.

In the accompanying drawings, A is the acid-carboy, held in the pivoted skeleton frame B by means of the screws *b b*. The pivot-eyes *c c* of the frame B are made above the center of gravity of the carboy and frame, so that the carboy and frame may be in stable equilibrium. The frame B is pivoted to the upright standards C C, connected to each other by the rods D D.

To the inner side of the standard C is attached the ratchet-arm E, and to the hub *d* on the frame B is pivoted the catch F, provided with a handle, G, for operating the catch as desired in its engagement and disengagement with the notches of the ratchet-arm E.

The object of my improvement is to provide means for adjustably supporting the carboy in an inclined position, so that upon a slight forward movement the acid will flow from the carboy into a suitable receptacle prepared to receive it, thus avoiding the enforced careful handling of the carboy in turning the same, prior to the experimentally determined flow of the acid therefrom.

In operating with my improvement I leave the carboy in such an inclined position that the level for pouring the acid will be very closely indicated by such inclination, so that when turned upon the pivot-bolts *a a* very slightly the acid will commence to flow from the carboy, and after a sufficient quantity has been withdrawn the catch F is to be thrown up by means of the handle G and passed back over the ratchet-arm until the acid ceases to flow, at which point the carboy is to be retained by means of the catch and ratchet-arm, preparatory to again pouring acid from the carboy. The pivot of the catch F is so arranged relatively to the pivot-bolts of the swinging frame B that as the frame is turned upon its pivots the pivot of the catch F will be brought over the pivot of the frame, as shown in Fig. 3, so that the frame and carboy may be moved to the pouring position by one hand of the operator placed upon the upright handle G of the catch F, the center of gravity of the frame and carboy being arranged but slightly below the point of suspension, the other hand of the operator being free to hold the receiving dish or receptacle for the acid, the proper movement of the catch and carboy being secured by a backward movement of the hand, combined with a downward pressure at the point of the catch, imparted by the action of the wrist upon the upright handle G, and the point of the catch may be also elevated from the notches of the bar E, preparatory to the movement of the carboy back from its pouring position.

I claim as my invention—

In a holder for acid-carboys, the combination of the supporting-standards and ratchet-bar with the pivoted frame, and the ratchet-catch provided with an upright handle, whereby both a backward and downward movement may be imparted to the catch with one hand of the operator in order to move the carboy to an inclined position for pouring acid therefrom, and to retain the point of the catch in contact with the notches of the ratchet-bar, and whereby the point of the catch may be elevated preparatory to the backward movement of the carboy from its pouring position, substantially as described.

CHARLES S. JOSLIN.

Witnesses:

HENRY CAPRON,

VIRGIL D. MORSE.