

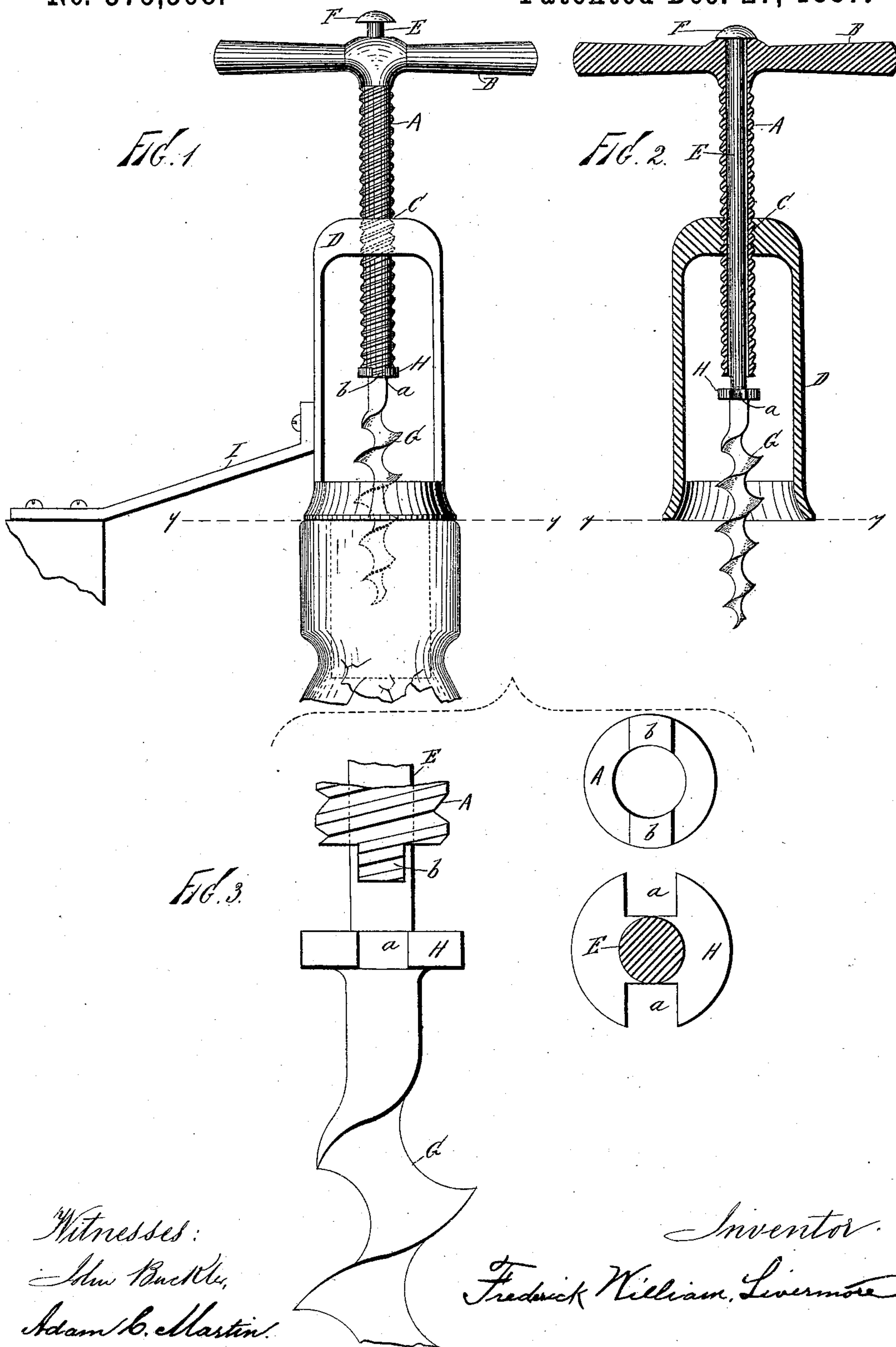
(No Model.)

F. W. LIVERMORE.

CORKSCREW.

No. 375,368.

Patented Dec. 27, 1887.



Witnesses:
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UNITED STATES PATENT OFFICE.

FREDERICK WILLIAM LIVERMORE, OF NEW YORK, N. Y.

CORKSCREW.

SPECIFICATION forming part of Letters Patent No. 375,368, dated December 27, 1887.

Application filed June 28, 1887. Serial No. 242,713. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK WILLIAM LIVERMORE, of the city, county, and State of New York, have made new and useful Improvements in Corkscrews, of which the following is a specification.

My invention is an improvement upon an invention for which Letters Patent No. 276,804, dated May 1, 1883, were granted to one Monroe Green; and the object of my invention is to provide a simpler and more effective form of construction; and also to provide an arrangement by which the corkscrew can be attached to a solid counter or table, if desired.

In the accompanying drawings, in which similar letters of reference indicate like parts, Figure 1 is a longitudinal elevation, showing the improved corkscrew complete attached to a counter or table. Fig. 2 is a longitudinal sectional view of the same, taken through the lines *y y*, with the arm or bracket for attaching to the counter removed; and Fig. 3 is an enlarged detail view of my new automatic catch or chuck.

A screw-tube, A, has upon its upper end a suitable handle, B, which passes through a nut, C, in the top of a metal frame, D, so constructed that it will fit upon the top of the neck of a bottle when in use, and provided, if desired, with an arm or bracket, I, designed to be attached to a table or counter. This arm or bracket I is detachable, so that the corkscrew may be used with or without it, as preferred. This solid frame, with a detachable arm or bracket, takes the place of and is an improvement upon the spring-frame used in the old construction, with half-rings lined with rubber made to clasp the sides of the neck of the bottle when in use.

Through the externally-threaded screw-tube A passes loosely a rod, E, having upon its upper end a head, F, bearing upon the top of the tube A, and upon its lower end a corkscrew, G. Upon this rod or shank E, at the point where it is attached to the screw G, is placed a collar, H, having a diameter a little larger than that of the screw-tube A. Upon opposite sides of this collar H are cut two notches, *a a*, which notches correspond to two legs, *b b*, constructed upon the lower end of the screw-tube A. These two notches *a a* in

the collar H and the two corresponding legs *b b* upon the lower end of the screw-tube A form my improved automatic catch or chuck, which is locked when the screw-tube A is pressed downward upon the collar H, and is unlocked when it is raised upward, drawing the legs *b b* out of the notches *a a*, the collar H being placed in such a position upon the rod E as to allow play of the screw-tube A up and down upon the rod E sufficient to admit the locking and unlocking of the chuck or catch, as described. This automatic chuck or catch I substitute for the one used in the old construction, consisting of a beveled tooth upon the disk or collar, adapted to engage with a like tooth upon the screw-tube. (See Letters Patent to Monroe Green, dated May 17, 1883.)

The operation of the improved corkscrew is as follows: When the point of the screw G is placed upon the top of the cork to be pulled, and the screw-tube A is pressed downward upon the collar H and turned by the handle B, the chuck or catch is at once locked, the previously-described legs *b b* dropping into the previously-described notches *a a* in the collar H. The screw G, now being firmly held in the screw-tube A, is easily turned into the cork. When it has entered deep enough, if the handle B, attached to the tube A, is raised, or the corkscrew G, attached to the rod E, is pulled down sufficiently to unlock the catch, drawing the legs *b b* out of the notches *a a*, the screw G will be released, remaining stationary in the cork, while the tube A may be turned easily one way or the other upon the rod or shank E, and if the handle B be turned to the left the screw-tube will rise through the nut C in the top of the frame D. The frame D, pressing upon the top of the neck of the bottle, is unable to move downward, and the cork is drawn from the bottle by the pressure of the screw-tube upon the under side of the previously-described head F upon the upper end of the rod E, attached to the screw G.

I do not claim as my invention the screw-tube having passing through it a rod upon one end of which is a corkscrew and upon the other a head. I am aware this is an invention for which Letters Patent No. 276,804, dated May 1, 1883, was granted; but

What I do claim as my invention, and desire to secure by Letters Patent, is—

In a corkscrew having a screw-tube, A, provided with a handle, B, through which passes
5 a rod, E, having upon its lower end a screw, G, and upon its upper end a head, F, bearing upon the top of the screw-tube A, a chuck or catch consisting of a collar upon the rod E, on opposite sides of which are cut two notches, *a*

a, corresponding to two legs, *b b*, upon the 10 lower end of the screw-tube A, and the frame D, through which the screw-tube passes, substantially as herein shown and described, and for the purpose set forth.

FREDERICK WILLIAM LIVERMORE.

Witnesses:

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