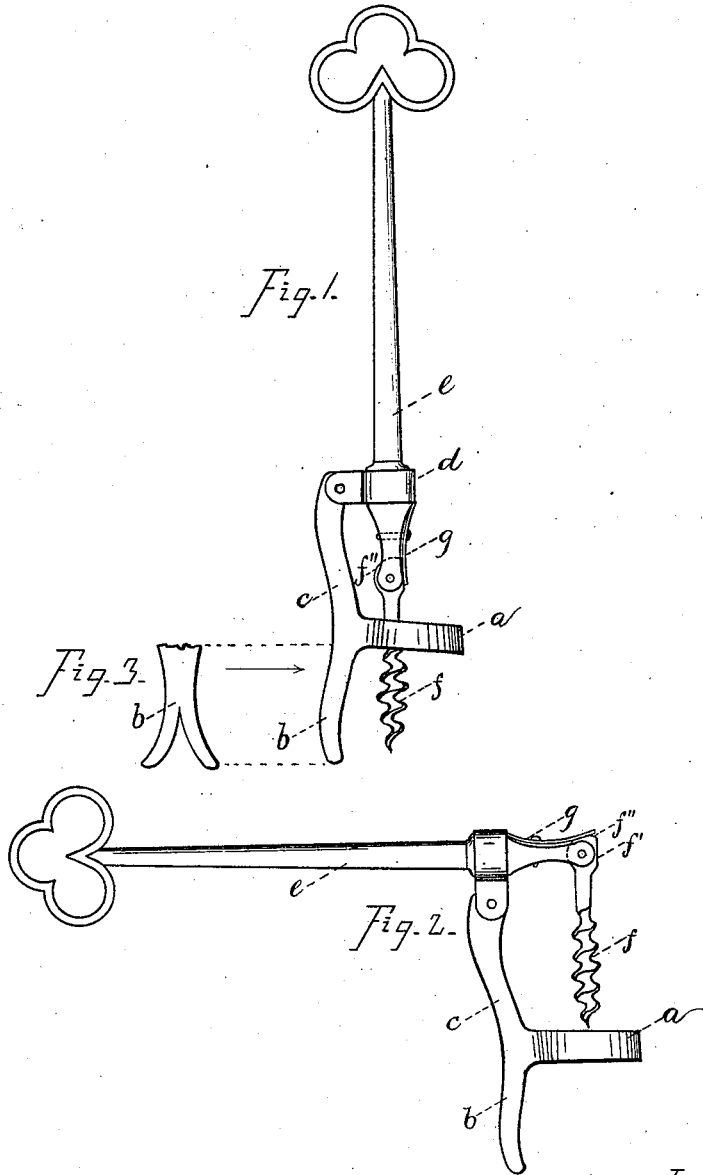


W. W. TUCKER.  
Cork-Extractor.

No. 207,631.

Patented Sept. 3, 1878.



Witnesses:  
Robt J. Daylord  
Lewis Sperry

Inventor:  
Wm W Tucker  
By Wm E. Simonds  
att'y

# UNITED STATES PATENT OFFICE.

WILLIAM W. TUCKER, OF HARTFORD, CONNECTICUT.

## IMPROVEMENT IN CORK-EXTRACTORS.

Specification forming part of Letters Patent No. 207,631, dated September 3, 1878; application filed April 8, 1878.

*To all whom it may concern:*

Be it known that I, WILLIAM W. TUCKER, of Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements pertaining to a Cork-Extractor, of which the following is a specification, reference being had to the accompanying drawings, where—

Figure 1 is a side view of the extractor in the position or adjustment which it has when the corkscrew is inserted in a cork. Fig. 2 is a side view of the same in the position or adjustment which it has when the cork has been drawn. Fig. 3 is a view of the bifurcated foot from the position denoted by the arrow in Fig. 1.

The letter *a* denotes a ring, which sits and fits upon the mouth of the bottle. The letter *b* denotes a foot projecting downward therefrom and bifurcated, so as to (in a limited sense) embrace the neck of the bottle.

The letter *c* denotes a standard rising from the ring *a*, to the upper end of which is pivoted the bearing *d* for the shaft *e*, which has at the top a proper handle or head whereby to rotate it.

In the lower end of the shaft *e* is swiveled the corkscrew *f*, having a peculiarly-shaped upper end, one side (the side *f'*) being straight, by which I mean that the side *f'* is perpendicular when the parts are in the position shown in Fig. 1, and the end proper, *f''*, being beveled downward, as shown by dotted line

in Fig. 1, so that when the shaft *e* is thrown down sidewise to draw a cork, said shaft can go down below a horizontal, and so raise the cork entirely out of the bottle-mouth.

On what, for convenience' sake, I term the "back side" of the shaft *e* is the spring *g*, acting in conjunction with the straight side *f'* to keep the shaft *e* and screw *f* in the same line when the screw is being driven into the cork, but allowing the shaft *e* to be thrown down sidewise to draw the cork, as shown in Fig. 2, somewhat as a knife-blade in a pocket-knife is opened and shut.

In using this device the screw is started and driven into the cork till the ring *a* comes down upon the mouth of the bottle; then the shaft *e* is thrown down sidewise, as shown in Fig. 2, and the cork is drawn, the shaft, by its bearing-arm *d*, turning on the upper end of the standard *c* as on a fulcrum, the ring *a* and the bifurcated foot *b* meanwhile holding the device steady, and avoiding the necessity for any strong grasp of the bottle.

I claim as my invention—

The ring *a*, the bifurcated or broadened foot *b*, standard *c*, pivoted bearing-arm *d*, rotary shaft *e*, pivoted screw *f*, and spring *g*, all combined and arranged substantially as described, for the purpose set forth.

WILLIAM W. TUCKER.

Witnesses:

WM. E. SIMONDS,  
HENRY SMALL.