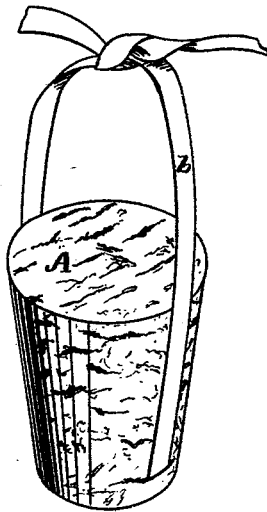


J. S. SAUNDERS.  
CORK EXTRACTORS.

No. 183,709.

Patented Oct. 24, 1876.

*Fig. 1.*



**Witnesses**  
*Geo. H. Strong*  
*Phu L. Boone*

**Inventor**  
*John S. Saunders*  
*by Dewey & Co*  
*Attys.*

# UNITED STATES PATENT OFFICE.

JOHN S. SAUNDERS, OF PRINCETON, CALIFORNIA.

## IMPROVEMENT IN CORK-EXTRACTORS.

Specification forming part of Letters Patent No. **183,709**, dated October 24, 1876; application filed May 9, 1876.

*To all whom it may concern:*

Be it known that I, JOHN S. SAUNDERS, of Princeton, Colusa county, State of California, have invented an Improved Cork-Puller; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention without further invention or experiment.

My invention consists in permanently attaching to a cork or bottle stopper a bail or handle, which can be used for drawing it from the mouth of a bottle or other vessel which it is used to close.

Referring to the accompanying drawing, Figure 1 is a perspective view of my invention.

Let A represent a cork or other bottle-stopper. My invention consists in passing a ribbon or other narrow strip, *b*, of inelastic webbing or textile material through the cork, near its smaller or lower end, so that a sufficient length of the ribbon will extend out upon each side of the cork or stopper to project outside of the bottle or other vessel when the cork is pressed into its mouth. These projecting ends can then be united together so as to form a bail or handle which can be used for drawing the cork when desired.

In order to prepare a cork for use, I take a flat needle, which is properly sharpened, and which has a wide eye near its point. I force the needle through the cork at some point near its lower end; then from the direction of

the top of the cork I insert one end of the ribbon or strip *b* into the eye of this needle, and in withdrawing the needle I bring the end of the ribbon through the cork. I then draw the ribbon or strip through the cork far enough to allow its two ends to be brought together and tied or fastened above the cork, thus forming a bail or handle, as above described.

I am aware that an inelastic strip or ribbon has been heretofore used as a bail for pulling corks out of bottles; but the strip passed below the cork, and was liable to taint the liquid contained in the vessel or bottle, and if the cork remained a long time in the bottle, the strip would become rotten, so that it would not be strong enough to pull the cork; but with my improvement, the cloth or strip is protected, so that it does not come in contact with the liquid, and these objections are therefore avoided.

Having described my improvement, what I claim, and desire to secure by Letters Patent, is—

A cork-pull or bail consisting of an inelastic strip or ribbon, *b*, attached to the cork or stopper A by being passed through the body of the cork, and having its ends connected above the cork so as to form a bail, substantially as above specified.

In witness whereof I have hereunto set my hand and seal.

JOHN SEAL SAUNDERS. [L. S.]

Witnesses:

A. W. SCHOM,  
S. SMITH.