

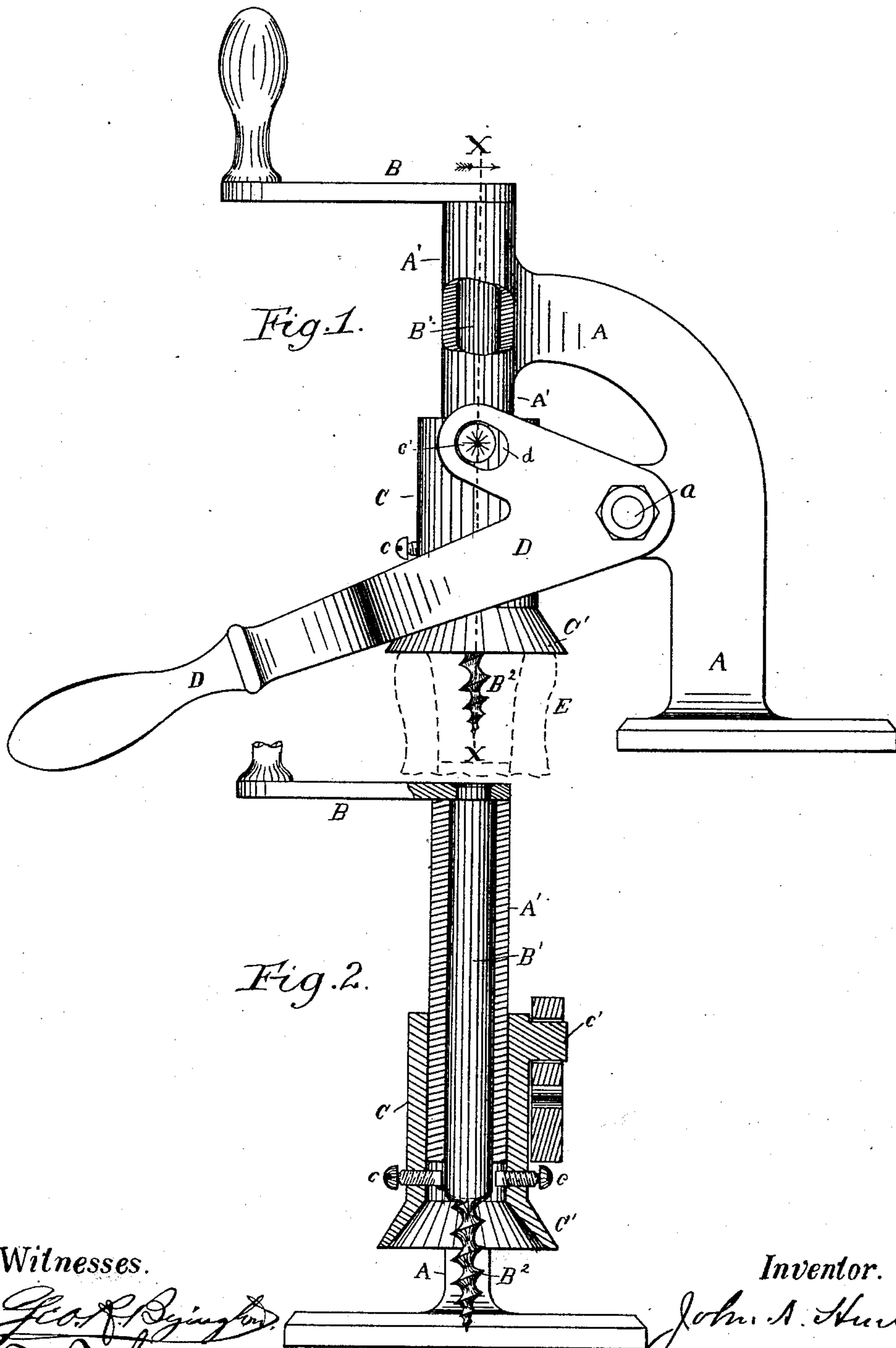
(No Model.)

J. A. HURLEY.

CORK PULLER.

No. 348,911.

Patented Sept. 7, 1886.



Witnesses.

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UNITED STATES PATENT OFFICE.

JOHN A. HURLEY, OF ERIE, PENNSYLVANIA, ASSIGNOR TO THE F. F. ADAMS COMPANY, OF SAME PLACE.

CORK-PULLER.

SPECIFICATION forming part of Letters Patent No. 348,911, dated September 7, 1886.

Application filed April 10, 1886. Serial No. 198,471. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. HURLEY, a citizen of the United States, residing at Erie, in the county of Erie and State of Pennsylvania, have invented certain new and useful Improvements in Cork-Pullers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to cork-pullers; and it consists in certain improvements in the construction thereof, as will be hereinafter fully described, and pointed out in the claim.

The invention is illustrated in the accompanying drawings, as follows:

Figure 1 is a side elevation view of the device. Fig. 2 is a vertical section on the line *x x* in Fig. 1.

The construction is as follows:

A A' is the supporting-frame, of which A is a bracket or arm, which may be attached to a table, shelf, or other fixture, and A' is a vertical guide-post with a central bore throughout its length. A corkscrew, consisting of the crank B, shaft or stem B', and worm B², is journaled in the central bore of the guide-post A', and is free to move vertically therein.

C is a sleeve which surrounds the lower end of the guide-post A', and moves vertically thereon. It has a flaring lower end or mouth to receive the nose of a bottle, and it is provided with an arm, *c'*, at one side.

D is an elbow-lever pivoted at its bow to the bracket A at *a*, and provided with a slot, *d*, at the end of its short arm, which engages with the arm *c'* of the sleeve C. This lever thus constructed will move the sleeve C up or down on the guide-post.

In the sleeve C there are screws *c*, which pass through it and protrude on the inside, where they are flat-pointed, with the points set vertically, the unthreaded part of the screw indicating the flat point.

The operation is as follows: The bottle-nose is put in the position shown in Fig. 1. (See E.) When this is done, the corkscrew will be pushed up. By turning the crank B the worm will be screwed into the cork, which being done the lever D will be depressed, and this will cause the sleeve C to push the bottle down away from the cork, which is held by the corkscrew, and as this occurs the cork of course is surrounded by the sleeve, and the points of the screws *c* are embedded in the cork. By then unscrewing the corkscrew from the cork, and then lifting the lever D up, so as to slide the sleeve back up on the guide-post, the cork will be expelled from the sleeve.

The object of the screw-points *c* is to hold the cork from revolving when the screw is being turned to unscrew it from the cork.

I do not claim in this application the combination of a supporting-frame, one part having a flaring mouth, inwardly-projecting pins, and a slot, a hollow plunger within the barrel, a lever for moving said plunger, a longitudinally-moving crank-shaft journaled in said plunger, and a corkscrew, as such a construction as that forms the subject-matter of a separate application, No. 179,044, filed October 5, 1885.

What I claim as new is—

In a cork-puller, the combination, substantially as herein set forth, of the bracket A, vertical hollow guide-post A', supported by said bracket, the cork-puller B B' B², journaled in said guide-post and vertically movable therein, the sleeve C, with mouth C' on its lower end, guided on said post A', and the lever D, for moving said sleeve vertically on the said guide-post.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN A. HURLEY.

Witnesses:

ROBT. H. PORTER,
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