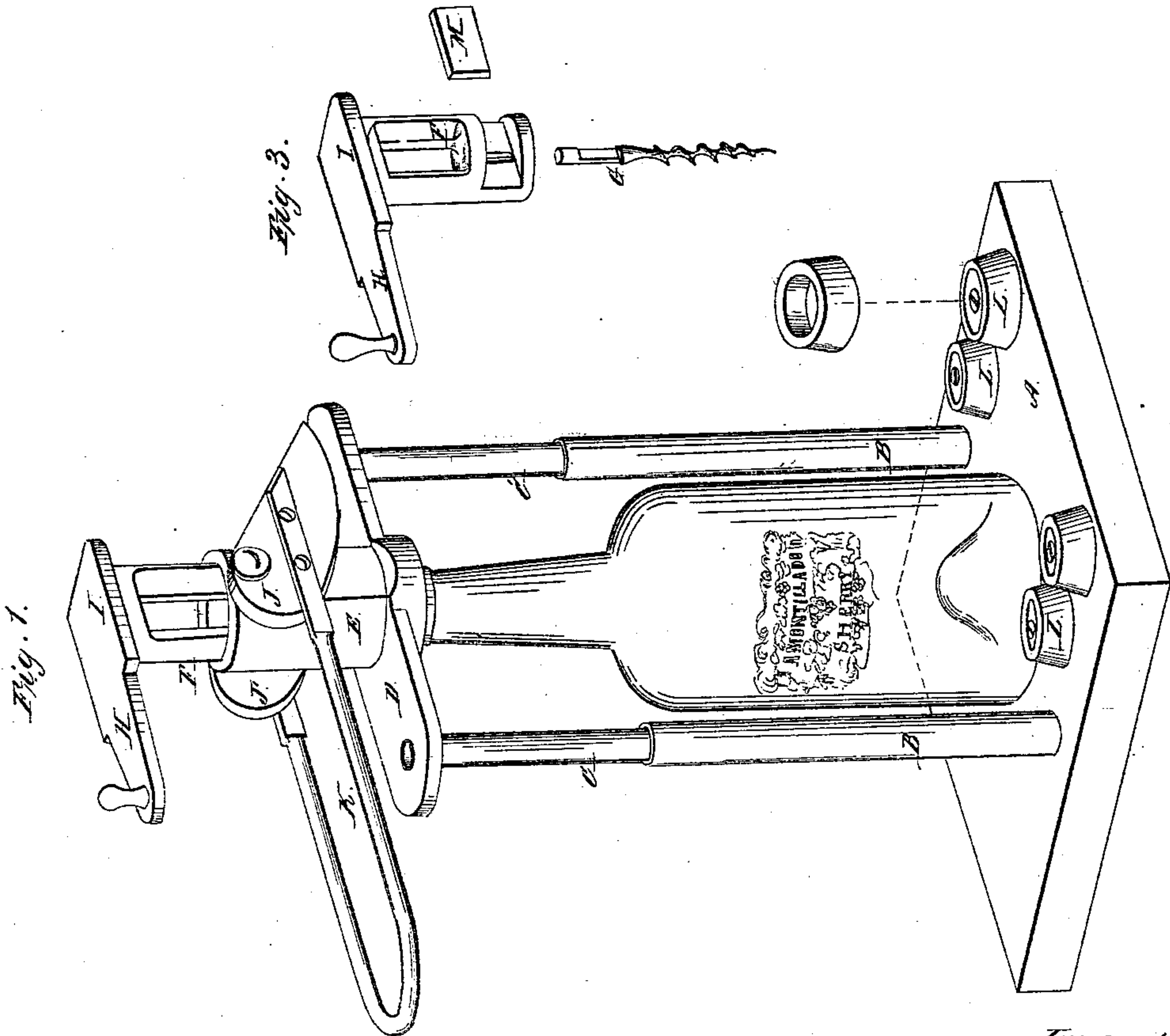
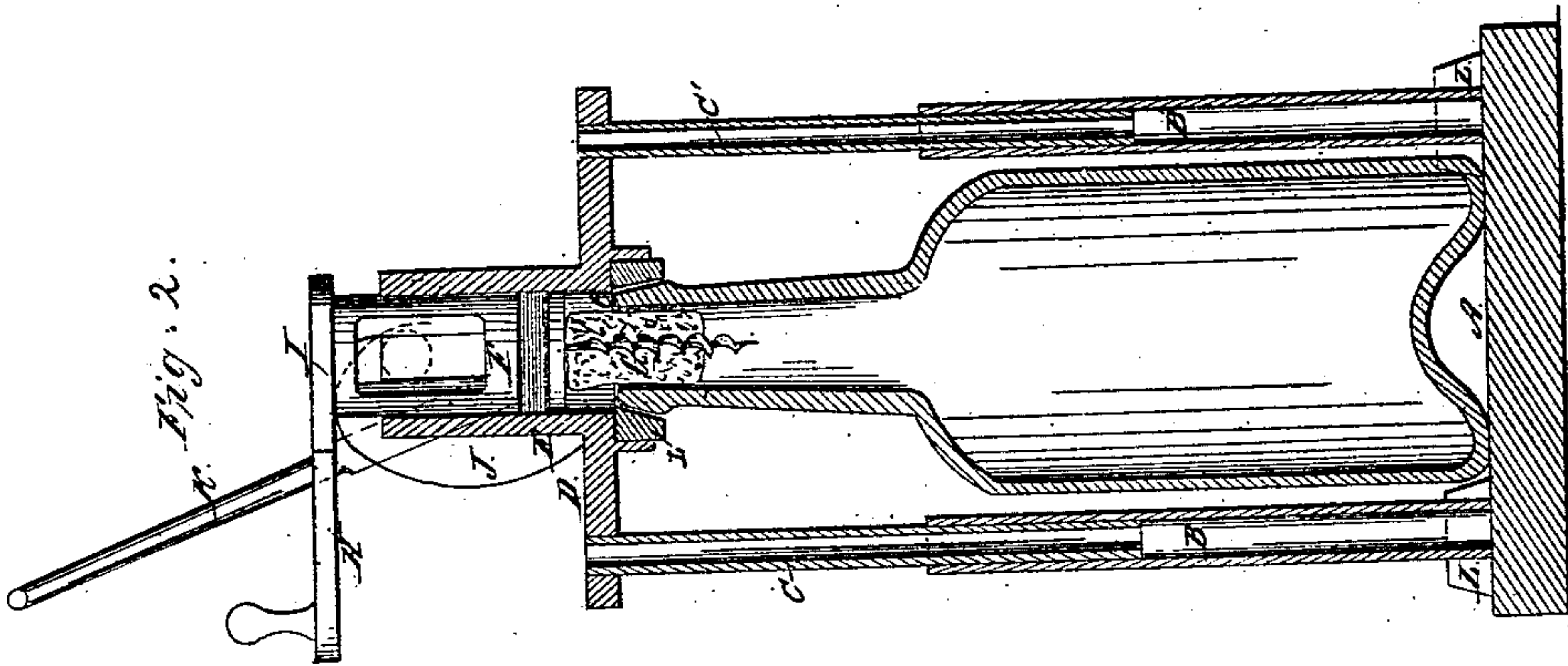


J. Walker,

Corkscrew,

N^o 61,488.

Patented Jan. 22, 1867.



Witnesses:
J. Walker
Sam. E. Knight

Inventor:
James Walker
By Knight Bros.
Attorneys

United States Patent Office.

JAMES WALKER, OF CINCINNATI, OHIO.

Letters Patent No. 61,488, dated January 22, 1867.

IMPROVED CORK EXTRACTOR.

The Schedule referred to in these Letters Patent and making part of the same.

TO WHOM IT MAY CONCERN:

Be it known that I, JAMES WALKER, of Cincinnati, in the county of Hamilton, and State of Ohio, have invented a new and useful Cork Extractor; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

My invention relates to a device for extracting corks from bottles with much greater facility than heretofore, and less danger to the bottles as well as the operator, and without injury to the screw or disturbance of the sediment.

Figure 1 is a perspective view of an apparatus embodying my improvement, a bottle being shown in position to receive the screw.

Figure 2 is an axial section, showing the screw entered and the cork partly withdrawn.

From a base, A, arise two hollow vertical columns B B', in which slide two legs C C', united by a horizontal bar, D, to which is attached a hollow vertical cylinder, E, that receives and guides the stock F, of a cork-screw G. The top of the stock has a crank or winch, H, by which it is rotated, and a collar, I, which projects beyond the cylindrical guides, and receives the impact of a pair of cams, J J', that are pivoted horizontally to the outside of the guide, and are provided with a handle or lever, K. L are thimbles, of exactly equal external diameter, to fit and occupy a socket, e, at the lower end of the guide E, but of diverse interior diameters to fit bottles of different-sized necks. The screw shank being flattened, is secured in a socket, and in the lower end of the stock, by means of a key, M, so as to be easily taken out for sharpening or replacement, which will, however, be seldom necessary, as the screw, being fully protected from striking any hard substance, will with ordinary care last in perfect condition for years.

The operation of the instrument is as follows: The guide E being sufficiently elevated, and a thimble of proper size being placed upon the top of the bottle, the latter is placed upon the base, and the guide lowered down on to it; the crank H being then turned to the right, causes the screw to enter the cork accurately in the middle, and to penetrate the same in a vertical line, which being truly axial in respect to the cork, does not split or run to one side thereof, nor wear out the screw by grating against the side of the bottle. The screw having sufficiently penetrated the cork, the latter is extracted by a semi-revolution of the lever K. The bottle being removed, the cork is disengaged from the screw by a rapid counter-revolution of the crank H. In practice, it is necessary to bring the crank into a position coincident with the plane of the standards before bringing the lever K into play, which being effected, the cork serves to hold the crank to its proper plane during the process of extraction.

Among a number of decided advantages of my extractor, the following may be cited: The screw entering the cork in a truly central line, and being guided unerringly to the precise centre of the cork, is neither liable to wear out by grating against the inside of the neck, nor to break the bottle in the act of extraction. Thus the bottle and its contents are saved from destruction, and, what is of more serious consideration, the danger of wounding the hand and legs of the operator is avoided, and such wounds we well know to be both frequent and dangerous among victuallers and others having daily occasion to uncork many bottles. The bottles being maintained perfectly at rest, the contents are not suffused with the dregs, which by the customary mode are shaken up and mingled with the contents of the bottle. The screw is entered by a continuous rotation of the crank by the operator, without releasing his grasp, and the cork as quickly and easily extracted by a single semi-rotation of the lever H; the operation being easily performed by a lad or female, if desired. I have selected, to illustrate my invention, the form actually used by me, but the device is obviously susceptible of various modifications; for example, a "T"-head or ordinary cork-screw handle may take the place of the crank. The cams J J' and lever K may be formed of a single casting if desired.

I claim herein as new, and of my invention—

1. The arrangement of adjustable guide E, cylindrical stock F, collar I, crank H, and cam-headed lever J J' K, for the purpose set forth.
2. The provision, in combination with the above, of the thimbles L, of equal external but dissimilar interior diameters, as and for the purpose explained.

In testimony of which invention I hereunto set my hand.

JAMES WALKER.

Witnesses:

GEO. H. KNIGHT,
JAMES H. LAYMAN.