

No. 647,775.

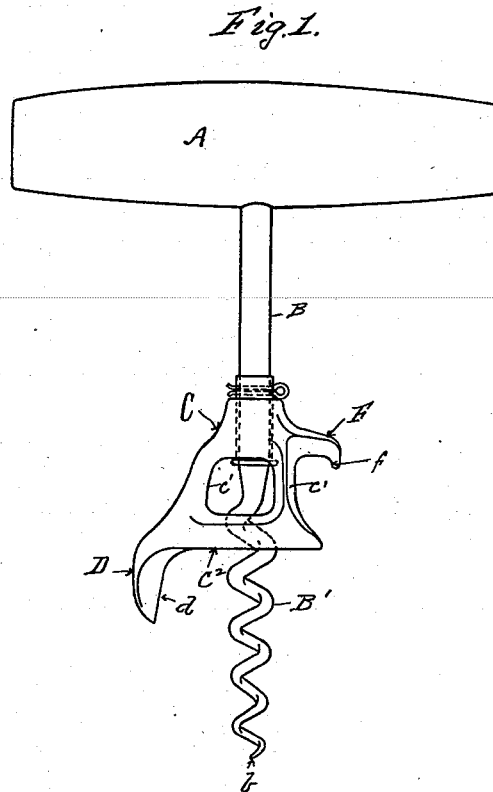
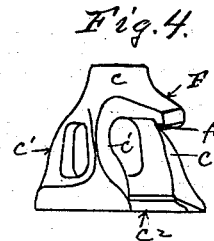
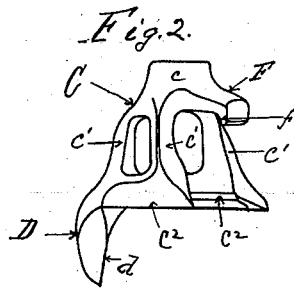
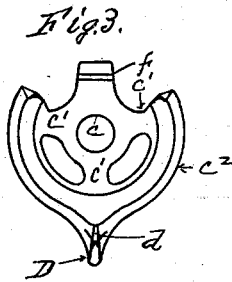
Patented Apr. 17, 1900.

E. WALKER.  
CORKSCREW.

(Application filed Feb. 21, 1899.)

(No Model.)

2 Sheets—Sheet 1.



WITNESSES

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2 Sheets—Sheet 2.

Fig. 5.

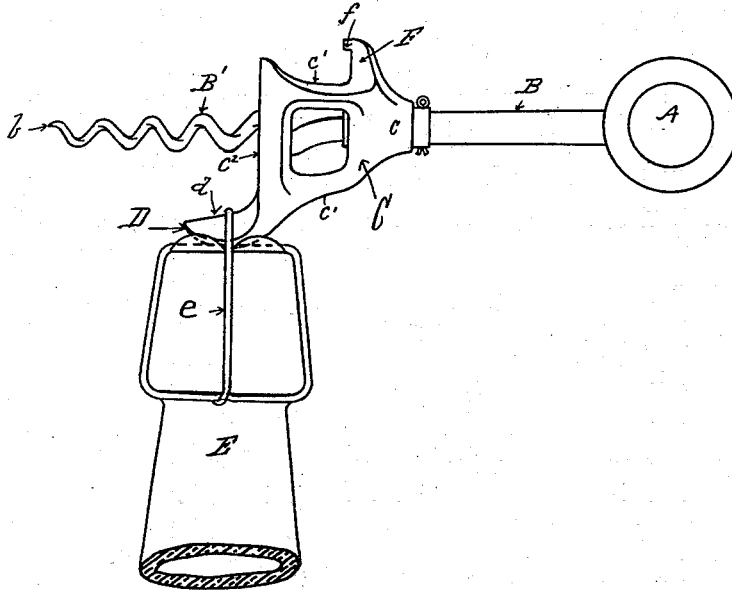
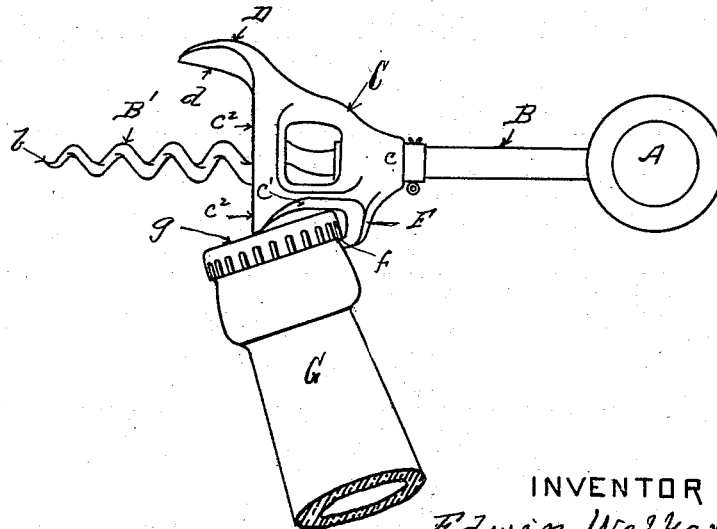


Fig. 6.



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# UNITED STATES PATENT OFFICE.

EDWIN WALKER, OF ERIE, PENNSYLVANIA.

## CORKSCREW.

SPECIFICATION forming part of Letters Patent No. 647,775, dated April 17, 1900.

Application filed February 21, 1899. Serial No. 706,410. (No model.)

*To all whom it may concern:*

Be it known that I, EDWIN WALKER, 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 Corkscrews; 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, forming part of this specification.

This invention relates to improvements in corkscrews. The object of my invention is to construct the corkscrew with a head so constructed and mounted on the shank of the corkscrew that in addition to the function of assisting in the operation of withdrawing a cork from a bottle it can be used for removing seal-caps from the tops of bottles; and the invention consists substantially in mounting a head upon the shank of the corkscrew adapted to fit down upon the top of a bottle while the cork is being withdrawn therefrom and provided with a recess in the ring forming the lower portion of the head and a hook on the upper portion of the head above the recess adapted to engage and remove a bottle-seal, as is hereinafter fully set forth, described, and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a view in elevation of my improved corkscrew with the head thereon. Fig. 2 is a view in elevation of my improved corkscrew-head separate from the screw. Fig. 3 is a view of the bottom of the corkscrew-head. Fig. 4 is a view in elevation of my improved corkscrew-head without the cutting-blade. Fig. 5 is a view in elevation showing the device when used to remove the wiring from a bottle-cork. Fig. 6 is a view in elevation showing the device when used to remove a seal-cap from a bottle.

In the drawings, A is the handle, B the shank, and B' the screw of the corkscrew. The screw B' is preferably made by winding the wire around a mandrel so as to form a screw.

Upon the shank B of the screw is journaled a head C, which comprises a collar  $c$ , curved arms  $c'$  thereon, and a ring  $c^2$  on the lower ends

of the arms  $c'$ , this ring  $c^2$  being adapted to rest upon the top of the bottle when the screw is turned down into the cork, and as the screw continues to be turned the cork is drawn up into the ring, from which point the cork is easily drawn out. This feature of the device, however, is old and does not need to be further described. The ring  $c^2$ , forming the lower part of the head C, is provided at one side with a downwardly-projecting blade D, provided with a cutting edge  $d$ , the use and operation of this blade D being clearly shown in Fig. 7, in the cutting or loosening of the wires from the bottle-top E. The feature of the blade D on the head C is not new, as it is shown and described in my Patent No. 579,200, dated March 23, 1897; but the other features of the invention are novel and useful in cork-extracting devices.

The side of the ring  $c^2$  is cut away, so as to form an opening or recess therein between two of the arms  $c'$ , and on the collar  $c$ , forming the upper part of the head C, above the opening or recess in the side of the ring  $c^2$ , there is a laterally-extending projection F, having a hook  $f$  on the lower face thereof, the purpose and operation of the cutting away of the side of the ring  $c^2$  being so that the hook  $f$  can be inserted under the edge of the seal-cap  $g$  on a bottle G and remove the same, while the recessed side of the ring  $c^2$  rests on the top of the cap  $g$ , so as to operate as a fulcrum, against which the hook  $f$  operates, the shank B being used as the operating-lever thereof, as is clearly shown in Fig. 6.

It will be observed that by my construction the handle A and the shank B of the corkscrew form a convenient and sufficient lever not only to operate the blade D in removing the wires from a bottle-top, but also for operating the hook  $f$  of the seal-removing mechanism of the device. The head C is also made with arms between the collar and the ring portions thereof, so that a firm grasp thereof may be maintained between the thumb and finger of the operator when using either the blade D thereon or using the hook  $f$  for removing a seal-cap.

Therefore what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination in a corkscrew, of a

shank, terminating in a screw, an operating-handle on said shank, a head having a recess in one side thereof and mounted on said shank near its junction with the upper end of the  
5 screw, adapted to contact with the top of a bottle when a cork is being drawn and a hook on said head above the recess therein; said head and shank being so relatively arranged  
10 that the shank forms a lever for operating the hook on said head, substantially as and for the purpose set forth.

2. The combination in a corkscrew-head, of a collar adapted to be journaled on the

shank of a corkscrew, arms extending downward therefrom, a ring on the lower ends of  
15 said arms having one side cut away between two of the arms to form a recess therein, a hook on the collar above the recess in said ring, substantially as and for the purpose set forth.

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

EDWIN WALKER.

Witnesses:

WM. T. ROWE,

DANL. B. STEDMAN, Jr.