Oct. 3, 1950 H. E. JACOBSEN 2,524,595

CORKSCREW WITH PIVOTED LATERAL PROJECTION

Filed March 10, 1947

Fig. 1.

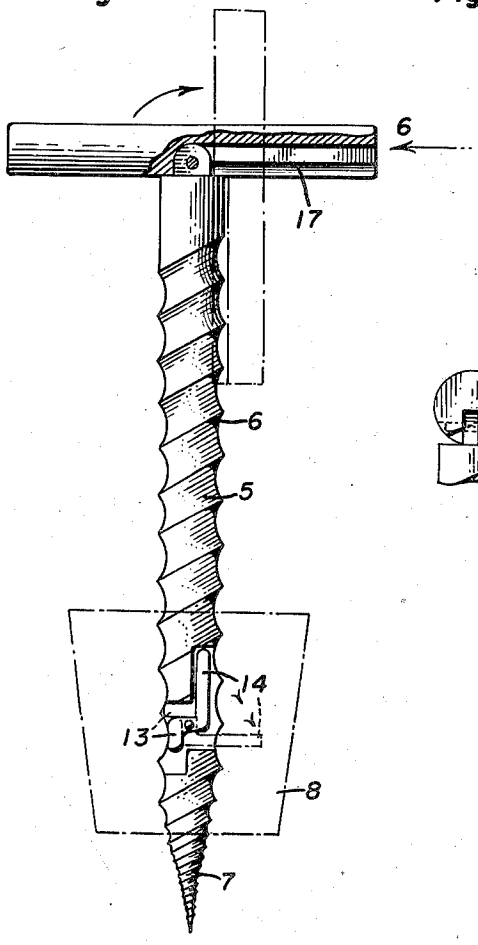


Fig. 2.

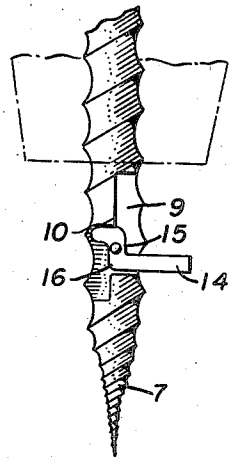


Fig. 6.

Fig. 3.

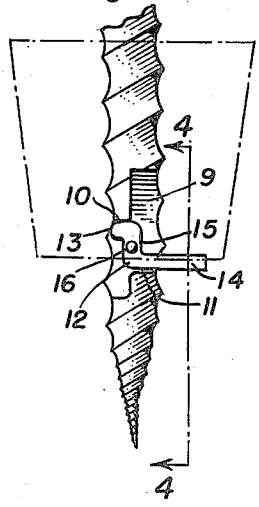


Fig. 4.

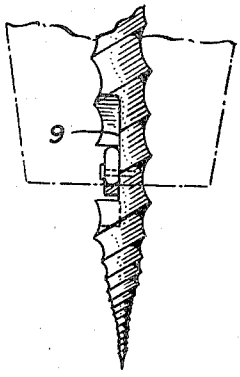
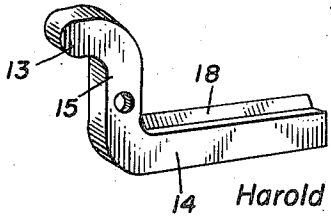


Fig. 5.



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CORKSCREW WITH PIVOTED LATERAL PROJECTION

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Application March 10, 1947, Serial No. 733,685

1 Claim. (Cl. 81—3.45)

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The present invention relates to new and useful improvements in cork screws or cork extractors and has for its primary object to provide means for effectively locking the cork screw in the cork during removal thereof.

An important object of the present invention is to provide an automatic locking bar carried by the cork screw and movable into a position against the bottom of the cork to prevent withdrawal of the cork screw from the cork during removal of the latter.

A further object of the invention is to provide a device of this character of simple and practical construction, which is efficient and reliable in operation, and relatively inexpensive to manufacture and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a side elevational view showing the cork screw in process of being inserted through a cork and the cork broken away and shown in sections;

Figure 2 is a fragmentary side elevational view showing the position of the locking bar after passing through the cork;

Figure 3 is a similar view showing the position of the locking bar engaging the bottom of the cork;

Figure 4 is a sectional view taken on a line 4—4 of Figure 3,

Figure 5 is an enlarged perspective view of the locking bar, and

Figure 6 is an end elevational view of the handle looking in the direction of the arrow in Figure 1.

Referring now to the drawings in detail, wherein for the purpose of illustration I have disclosed a preferred embodiment of the present invention, the numeral 5 designates a cork screw embodying the usually spirally threaded shank 6 and having a tapered lower end 7 to facilitate penetration of the cork screw through a cork 8.

The lower portion of the shank, at one side thereof is cut away to form a recess 9 formed with upper and lower shoulders 10 and 11 respectively.

A substantially Z-shaped locking bar 12 is constructed to provide a relatively short arm 13 and a relatively long arm 14 extending in opposite directions from a connecting bar 15 positioned at

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right angles to said arms. The connecting bar 15 is pivoted in the recess 9 by means of a pin 16, the arm 14 being of increased weight to automatically gravitate downwardly into a position for projecting the arms outwardly at the sides of the shank in a horizontal position and with the shorter arm 13 swung upwardly against the shoulder 10 and with the longer arm 14 swung downwardly against the shoulder 11 to thus maintain the locking bar in a horizontal position.

When threading the cork screw through a cork 8 the arms 13 and 14 are swung inwardly to completely enclose the same in the recess 9 as shown in Figure 1 of the drawing whereby to prevent interference of the locking bar with the passage of the shank 6 through the cork.

After the locking bar passes through the cork as shown in Figure 2, the arms of the locking bar automatically swing outwardly into a horizontal position and the cork screw is partly withdrawn from the cork until the arm 14 engages the bottom of the cork as shown in Figure 3.

A handle 17 is pivoted in a conventional manner to the upper end of the shank 6 and upon exerting a pulling force on the handle the cork is removed from the container without danger of pulling the shank 6 through the cork.

One longitudinal edge of the arm 14 is beveled on its upper surface as shown at 18 to form a knife edge adapted to bite into the bottom of the cork by a turning of the handle in a direction to withdraw the shank from the cork and thus exert a turning movement on the cork to facilitate extraction thereof where the cork is fitted particularly tight in its container.

The pivotal connection of the handle 17 with the upper end of the shank 6 enables the folding of the handle against the shank for convenient storing thereof.

In view of the foregoing description taken in conjunction with the accompanying drawings it is believed that a clear understanding of the construction, operation and advantages of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and the scope of the appended claim.

What I claim:

A locking attachment for cork screws comprising an off-balanced locking bar pivoted to the

shank of a cork screw for swinging downwardly into a laterally projected position under a cork upon passage of the bar therethrough and a longitudinal cutting edge on the bar for biting into the bottom of the cork to connect the cork to the shank for rotation therewith.

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