

V. HAINISCH.
CORK EXTRACTOR.
APPLICATION FILED MAY 12, 1910.

1,062,458.

Patented May 20, 1913.

Fig. 1.

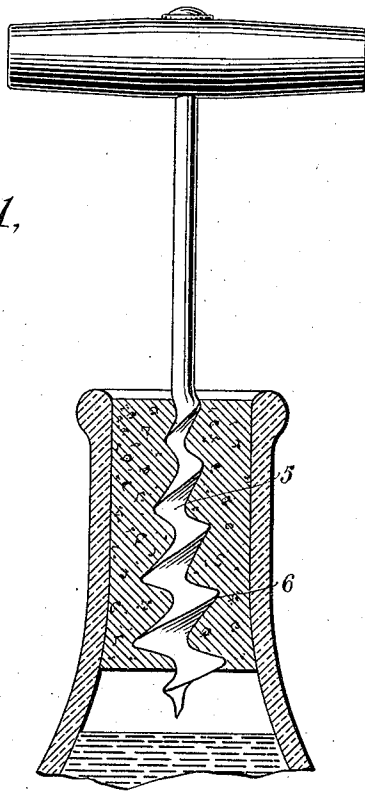
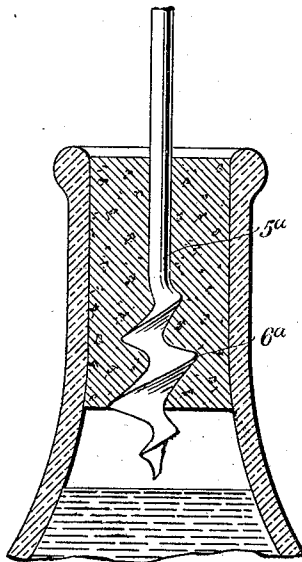


Fig. 2.



WITNESSES:
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VICTOR HAINISCH, OF VIENNA, AUSTRIA-HUNGARY.

CORK-EXTRACTOR.

1,062,458.

Specification of Letters Patent.

Patented May 20, 1913.

Application filed May 12, 1910. Serial No. 560,969.

To all whom it may concern:

Be it known that I, VICTOR HAINISCH, a subject of the Emperor of Austria-Hungary, and a resident of Vienna, Austria-Hungary, have invented a new and Improved Cork-Extractor, of which the following is a full, clear, and exact description.

In removing corks from bottles with a screw-like extractor, it often happens that no portion of the cork is removed when the extractor is drawn out, except that held between the convolutions of the screw. The cork puller must then be again inserted, which is done with difficulty, and the cork afterward removed, often in sections. Sometimes the upper half of the cork is removed by the corkscrew while the under half remains in the bottle neck. This result is due to a defect in the cork, in that many hollow spaces exist in its body, and for the further reason that the upper portion of the bottle neck is ordinarily constructed so that the lower portion of the cork offers greater resistance than the upper portion, in removal.

It is the object of this invention to overcome these difficulties, which I do by constructing the lower portion of the corkscrew of greater diameter than the upper portion, the radii of the convolutions preferably successively increasing toward the point of the extractor.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in both the views.

Figure 1 is a side view of a corkscrew embodying my invention, the same being shown inserted in a cork within the neck of a bottle, with the cork and bottle in section; and Fig. 2 is a like view, showing a slightly modified form of the invention.

In the use of a corkscrew of uniform diameter and threaded or coiled uniformly, in

the extraction of a cork, there is no greater strain exerted by the screw on the lower portion of the cork, in the act of drawing the cork from the bottle, than there is on the upper portion of the cork. With the corkscrew 5 constructed in accordance with my invention, the several convolutions of the screw are substantially V-shaped or angular in cross-section and the radii thereof successively increase in passing toward the point, with the largest convolution 6 located slightly above the point, from which convolution the diameter of the screw gradually decreases toward the point, whereby the extractor can be easily entered.

The corkscrew 5^a shown in Fig. 2, is substantially the same as the corkscrew 5, except that the convolutions or threads do not extend as high up on the shank, the enlarged convolution or portion 6^a, corresponding to the convolution or portion 6, being similarly located. In either case, the larger or broader convolutions take hold of the lower portion of the cork and exert a lifting action greater than the upper portion of the extractor, so that the entire cork is readily removed.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

As a new article of manufacture, a corkscrew having a number of convolutions substantially V-shaped in cross section and successively increasing in diameter from the upper end to a point adjacent to the lower end.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

VICTOR HAINISCH.

Witnesses:

ADA MARIA BERGER,
AUGUST FUGGER.