

H. KEARNEY.  
 COMBINED CORK AND CORK PULLER.  
 APPLICATION FILED MAR. 8, 1909.

950,751.

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Fig. 1.

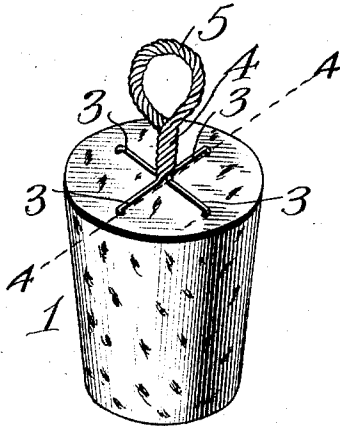


Fig. 4.

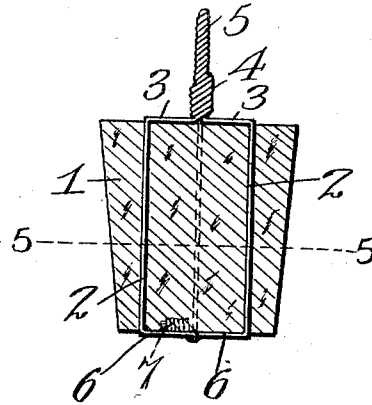


Fig. 2.

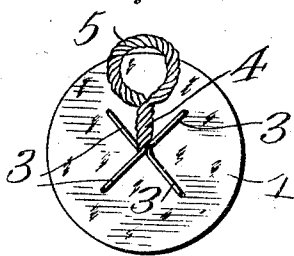


Fig. 3.

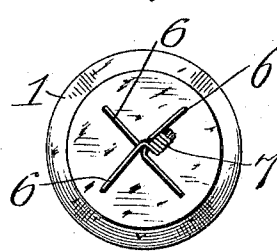
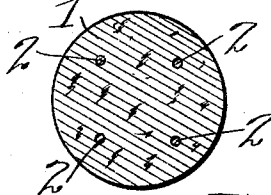


Fig. 5.



Henry Kearney Inventor

Witnesses

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Geo. L. McCallister

By

E. C. Vrooman  
 his Attorney.

# UNITED STATES PATENT OFFICE.

HENRY KEARNEY, OF CARBONDALE, PENNSYLVANIA.

COMBINED CORK AND CORK-PULLER.

950,751.

Specification of Letters Patent.

Patented Mar. 1, 1910.

Application filed March 8, 1909. Serial No. 482,138.

*To all whom it may concern:*

Be it known that I, HENRY KEARNEY, a citizen of the United States, residing at Carbon-  
dale, in the county of Lackawanna and  
State of Pennsylvania, have invented cer-  
tain new and useful Improvements in Com-  
bined Corks and Cork-Pullers, of which the  
following is a specification, reference being  
had therein to the accompanying drawing.

This invention relates to stopper extrac-  
tors, and has specially in view a device of  
the character stated which may be carried  
by the stopper and so fastened thereto  
whereby it will offer no resistance whatever  
to the stopper being placed in sealing posi-  
tion within the outlet of a bottle, yet being  
at all times in position where it may be read-  
ily used to remove the stopper from the bot-  
tle neck.

With the above and other objects in view,  
the invention contemplates the employment  
of a plurality of strands of resilient mate-  
rial, such as wire which are passed through  
a bottle stopper at different points and have  
one of their ends fastened together on the  
bottom of the stopper, their other ends being  
twisted together and formed into a conven-  
ient hand or finger hold, so as to facilitate  
the use of the same to remove the stopper  
from its sealing position.

In carrying out the objects of the inven-  
tion generally stated above it will, of course,  
be readily understood that the same is sus-  
ceptible of changes in details and structural  
arrangements, but one preferred and practical  
embodiment thereof is shown in the accom-  
panying drawings, wherein—

Figure 1 is a perspective view of a cork  
showing the improved extractor applied  
thereto. Fig. 2 is a top plan view of the  
same showing the extractor with its handle  
bent parallel with the top surface of the  
stopper. Fig. 3 is a bottom plan view, show-  
ing a convenient manner of fastening the  
lower ends of the extractor together. Fig. 4  
is a central vertical sectional view taken on  
the line 4—4, Fig. 1. Fig. 5 is a transverse  
sectional view taken on the line 5—5, Fig. 4.

Referring to the accompanying drawings  
by numerals, 1 designates a stopper which  
may be of cork or other suitable resilient  
material and which, for convenience of illus-  
tration, has been shown as of a tapering  
formation. The extractor is designed to  
form a permanent part of the stopper and  
may be formed of four or more strands of

wire or equivalent material being of suffi-  
cient length to permit of their major por-  
tions 2 being passed longitudinally through  
the stopper in regularly spaced-apart posi-  
tions, their upper end portions which pro-  
ject beyond the top of the stopper being bent  
over onto the said top surface and radiate  
toward the center thereof as indicated at 3,  
at which point they are bunched and twisted  
together and extended vertically as indicated  
at 4, and the end of the twisted vertically ex-  
tending portion is curved over onto itself  
to form an eye 5, thereby providing an effi-  
cient finger or hand hold to facilitate the  
removal of the stopper from its sealing posi-  
tion, as will be obvious.

The lower ends of the major portion, or  
body of each strand projects below the bot-  
tom of the stopper and the same are bent  
over onto the bottom surface thereof and  
radiate toward the center thereof where  
they meet, as indicated at 6, and have their  
ends bunched and twisted together as at 7,  
and then bent over onto the surface of the  
bottom of the stopper, and may be forced  
into the material thereof so as to be practi-  
cally flush with said surface. It will be un-  
derstood that the operation of twisting each  
end of the strands together, will cause the  
radiating portions to "bite" into the stop-  
per, and cause said radiating portions to be  
practically flush with the top and bottom  
surface thereof.

In using the improved extractor, the han-  
dle portion thereof is bent over onto the top  
of the stopper as indicated in Fig. 2, so that  
the same will not interfere with the pack-  
ing of the same, but when it is desired to re-  
move the stopper from its sealing position,  
the handle may be readily straightened.

It will be seen from the foregoing that  
the present invention is one that may be  
formed from cheap material, and when fast-  
ened in the preferred manner described to  
the stopper, it will have a positive engage-  
ment at at least four points thereof, and as  
each strand is securely fastened together at  
both ends, it will be seen that there is no  
danger of the extractor being pulled from  
engagement with the stopper.

As has been before stated, the extractor  
may be formed of cheap wire strands, or  
equivalent material and is designed to form  
an integral part thereof, and be furnished  
with the stoppers. Owing to the nature of  
the material of which it is formed, the ex-

tractor will not materially add to the cost of the stopper, and it will greatly facilitate the removal of the stopper and also contribute to the life of the same, as will be obvious.

What I claim as my invention is:—

In combination with a bottle stopper an extractor therefor, said extractor comprising a plurality of strands of wire spirally twisted together at their central portions to provide an elongated shank having an eye therewith, said wire being bent at right angles with the shank, said wire being further bent vertically with the intersections of the

angular portions and inserted through the stopper at four different points and having their projecting terminals twisted against and embedded in the bottom of the stopper, and said angular portions extending radially across the top of the stopper and contacting therewith.

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

HENRY KEARNEY.

Witnesses:

CHARLES H. HORTON,  
MAHEW F. KEARNEY.