

(No Model.)

J. McMURTRIE.

COMBINED CORK AND EXTRACTOR THEREFOR.

No. 587,751.

Patented Aug. 10, 1897.

Fig. 1.

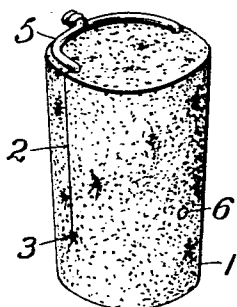


Fig. 2.

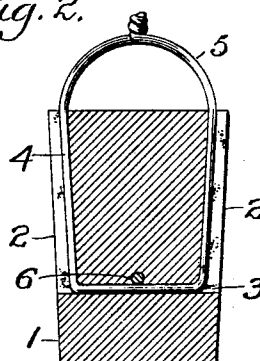


Fig. 3.

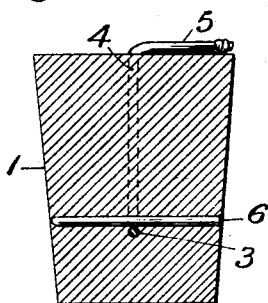
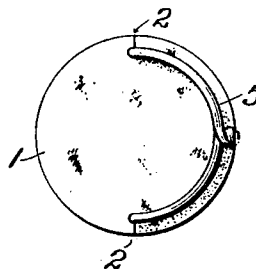


Fig. 4.



WITNESSES

James F. Williams  
M. J. Rogers

INVENTOR,

JOHN McMURTRIE.

By John H. H. H. H.  
Attorney

# UNITED STATES PATENT OFFICE.

JOHN McMURTRIE, OF MONTREAL, CANADA.

## COMBINED CORK AND EXTRACTOR THEREFOR.

SPECIFICATION forming part of Letters Patent No. 587,751, dated August 10, 1897.

Application filed March 1, 1897. Serial No. 625,435. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN McMURTRIE, a subject of the Queen of Great Britain, residing at Montreal, in the Province of Quebec and Dominion of Canada, have invented certain new and useful Improvements in a Combined Cork and Extractor Therefor; 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.

This invention relates to improvements in combined corks and extractors therefor.

The object of the invention is to provide a cork and extractor whereby the necessity of employing corkscrews or other implements designed for the removal of corks is entirely dispensed with, and, further, to provide a combination of elements, as stated, which shall be simple, cheap, and easily manufactured.

The invention further aims to provide in the construction of a cork an extractor therefor which shall be so fastened in the cork that liability of the same corroding shall be entirely overcome.

With these objects in view the invention consists, substantially, in the novel construction, combination, and arrangement of parts, as hereinafter fully illustrated, described, and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a combined cork and extractor constructed in accordance with the present invention. Fig. 2 is a vertical transverse sectional view thereof. Fig. 3 is a similar view taken at right angles to Fig. 2. Fig. 4 is a top plan view.

Similar numerals of reference designate corresponding parts throughout the figures of the drawings.

Referring to the drawings, 1 designates a cork which may be formed of any suitable material, and provided at diametrically opposite points on the sides of said cork is a series of incisions or slits 2, the incisions or slits 2 extending into the body of the cork and from the top thereof to a point approximating the lower end. The cork 1 is provided at the lower ends of the slits 2 with a transversely-extending passage 3, and seated in the passage 3 is a wire extracting-strip 4, which strip need not of necessity be formed of wire, but,

on the other hand, may be of any material suited for the purpose intended.

The central portion of the strip 4 lies within the passage 3, so that an equal portion of the strip 4 is disposed at each side of the cork 1, and after positioning the wire within the passage 3 the sides thereof are then bent upwardly and forced into the slits 2. It will thus be seen that the strip 4 is rigidly held within the body of the cork 1, the slits 2 closing over said wire, so that the sides thereof are entirely concealed within said body. After the sides of the strip 4 have been placed within the slits 2 the upper ends of said sides are then twisted together or otherwise secured, so that a finger-loop 5 is provided, which loop extends above the upper end of the cork 1 and affords efficient means for grasping the strip 4 to enable the removal of the cork 1. After the strip 4 has been placed within the body 1 and the ends of said strip secured together in the manner stated the finger-loop 5 is bent downwardly, so that the same lies upon the upper end of the cork 1, and in this position it is obvious that labels or suitable sealing devices may be placed over the loop 5 after the desired contents have been placed in the bottle or other vessel in connection with which the cork 1 is employed, and thus the loop 5 will in no wise project so as to prevent the free handling of the vessel in which the cork 1 is placed.

A locking pin or strip 6 is inserted into the body of the cork, and said locking pin or strip 6 lies at right angles to the central portion of the strip 4, which occupies the passage 3 and between the same and the outer end of the cork 1. By reason of the locking pin or strip 6 it is evident that should the central portion of the strip 4 have a tendency to leave the passage 3 when extracting the cork said central portion will contact with the locking pin or strip, and hence further outward movement of the strip 4 is effectually overcome, said strip thereby always remaining within the cork 1.

The manner of using the herein-described cork and extractor will be readily seen by those familiar with such devices, and after the cork 1 has been placed within a bottle or other vessel and it is desired to remove said cork therefrom the sealing medium or the

label, as the case may be, which lies over the loop 5, is removed. The finger-loop 5 is then bent upwardly, so that the same is in a vertical position over the cork 1, or in such position that said loop may be readily grasped, and after the fingers are placed upon the loop 5 and pressure applied thereto it is quite evident that the cork 1 may be readily withdrawn. In the event that the central portion of the strip 4 should break through the cork 1 for a distance the locking pin or strip 6 will be contacted thereby, and hence the movement of the central portion of the strip 4 be retarded to a sufficient degree to prevent further movement thereof. Thus it will be seen that the extractor and cork are always in such relation as to be ready for instant use when occasion demands.

From the foregoing description it will be seen that a combined cork and extractor is provided which is exceedingly simple in its construction and yet at the same time adapted to be manufactured at a comparatively low figure, and it will further be seen that the improvements may be embodied in corks of various constructions, so that I do not restrict myself to any particular form, but reserve to myself the right to apply the improvements as fully come within the scope of my invention. By placing the central portion of the extracting-strip 4 a distance from the inner end of the cork 1 and also disposing the sides of said strip within the slits 2 it is apparent that said strip is not liable to corrosion from the contents of the vessel, and after the cork 1 has been placed in the vessel the slits 2 become closed to such an extent that no portion whatever of the sides of the strip 4 is exposed, and in order that liability to corrosion may be further reduced the strip 4 may be formed of heavily-tinned wire or other suitable material, as desired.

Having thus described my invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. A device of the class described, comprising a cork, an extracting-strip carried thereby, and a locking pin or strip passing through the cork and located therein in such relation to the extracting-strip as to prevent the latter from breaking through the cork, substantially as described.

2. A device of the class described, comprising a cork, an extracting-strip carried by said cork and having its sides disposed within the cork to prevent corrosion, the ends of the sides of said strip being connected to form a finger-loop, and a locking pin or strip passing through the cork at right angles to the extracting-strip and in such relation thereto as to prevent said extracting-strip from breaking through the cork, substantially as described.

3. A device of the class described, comprising a cork, an extracting-strip having its central portion arranged within the cork, the sides of said strip being disposed within the cork and extending longitudinally thereof, whereby corrosion of said strip is prevented, the ends of the sides of the extracting-strip being connected to form a finger-loop at the exterior of said cork, said finger-loop being folded down upon the outer end of the cork, whereby the same is adapted for instant use when occasion demands, and a locking pin or strip extending through the cork at right angles to the central portion of the extracting-strip, said locking pin or strip being interposed between the central portion of the extracting-strip and the outer end of the cork, whereby said extracting-strip is prevented from breaking through said cork, substantially as described.

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

JOHN McMURTRIE.

Witnesses:

MAUDE ROSS,  
R. A. DUNTON.