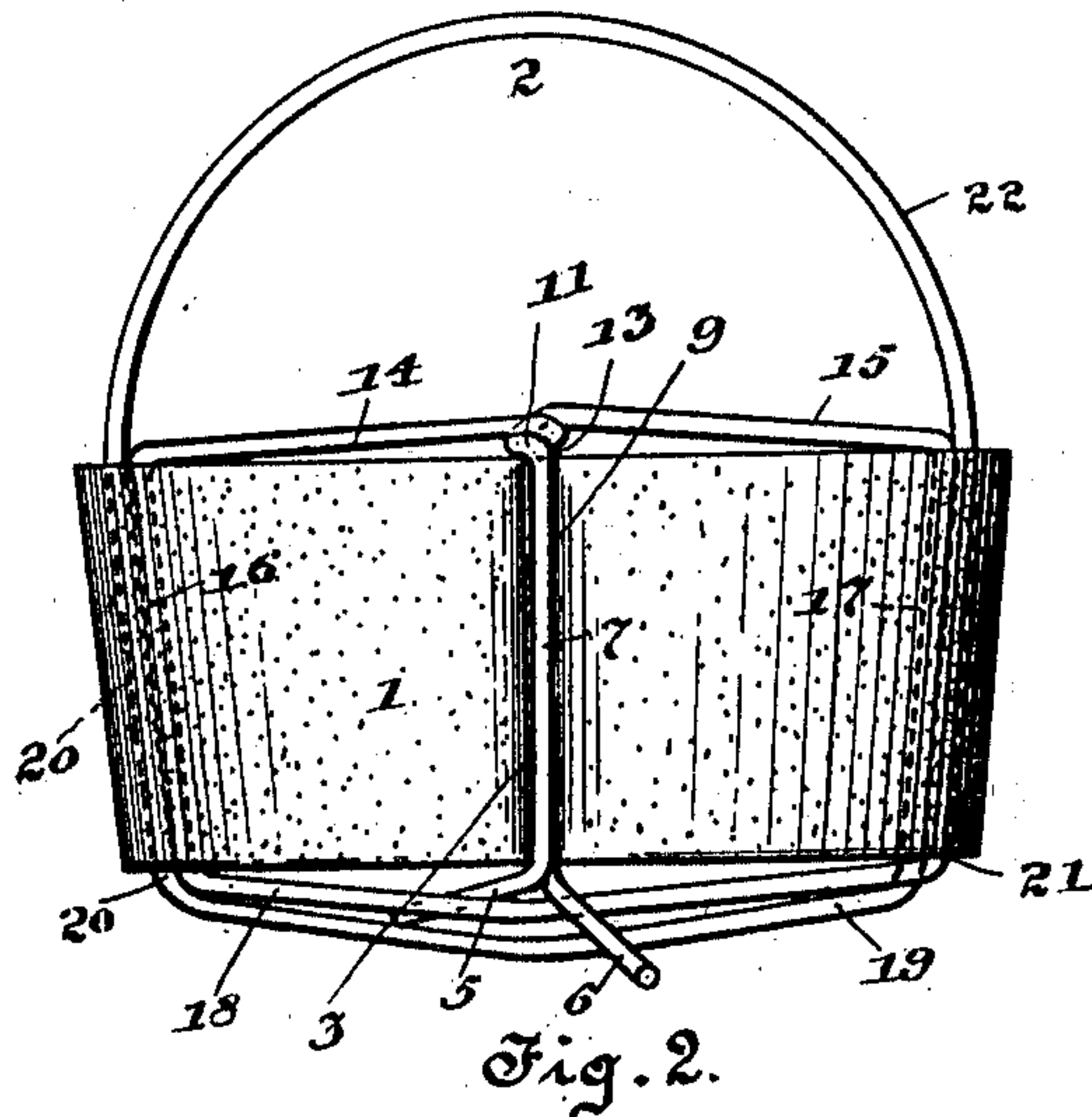
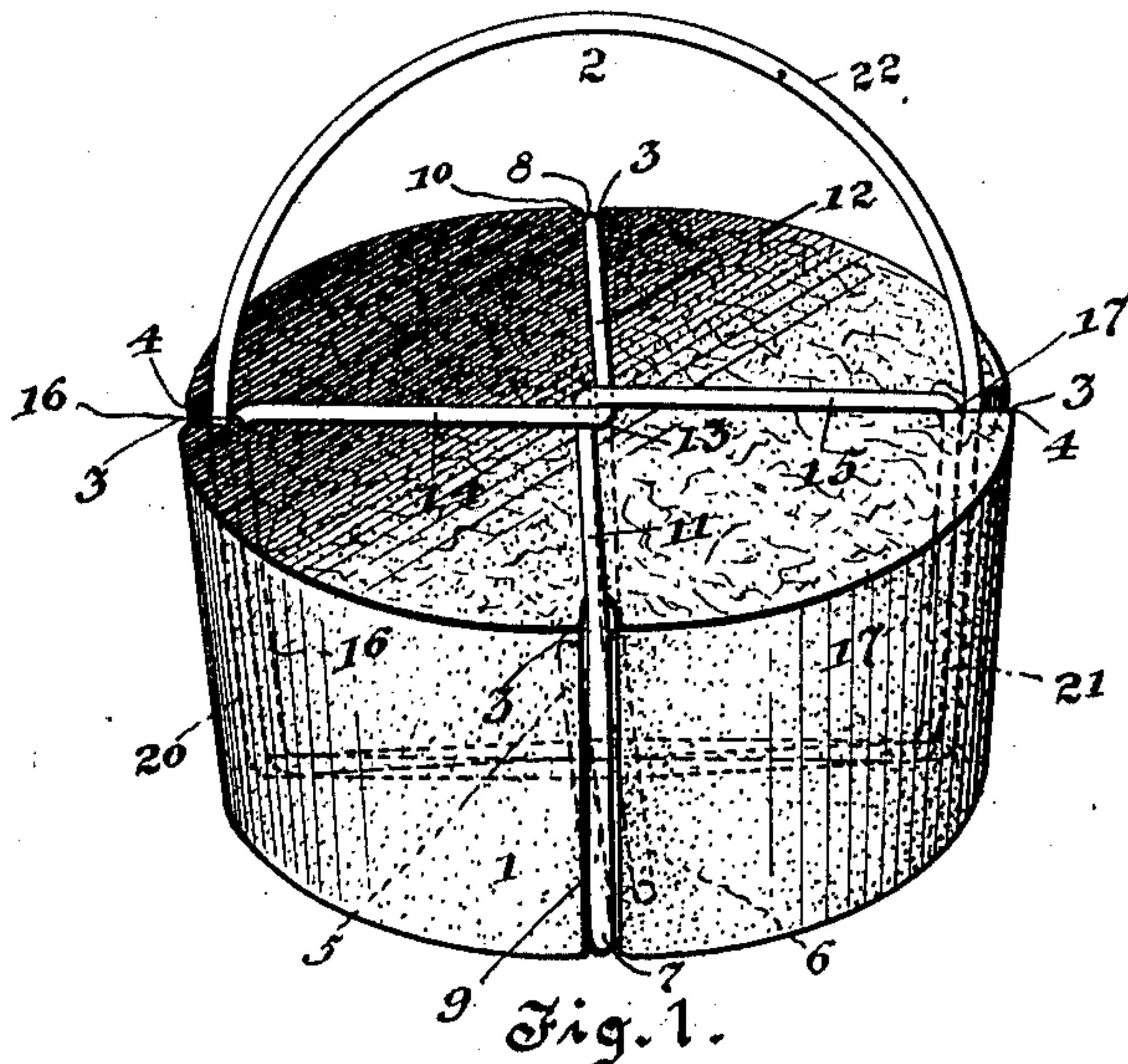


J. OTTOWITZ.
BOTTLE STOPPER.

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978,633.

Patented Dec. 13, 1910.



Witnesses:
W. C. Smith
A. St. Griffin

Inventor;
John Ottowitz,
By *Joshua R. Torrey*
his Attorney.

UNITED STATES PATENT OFFICE.

JOHN OTTOWITZ, OF JOLIET, ILLINOIS.

BOTTLE-STOPPER.

978,633.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN OTTOWITZ, a citizen of the United States, residing in the city of Joliet, county of Will, and State of Illinois, have invented certain new and useful Improvements in Bottle-Stoppers, of which the following is a specification.

My invention relates to improvements in bottle stoppers and more particularly to corks, the object of the invention being to provide a cork having means connected thereto for extracting the same from a bottle, jar, or other like vessels.

A further object of my invention is to provide means, as stated, to be combined with the cork in such a manner as to be always in readiness for the withdrawal of the same without the necessity of employing a cork-screw or equivalent device, said means to consist preferably of a cord or wire.

A further object of my invention is to provide a combination of elements as stated, that shall be simple, cheap and easily manufactured.

Other objects will appear hereinafter.

With these objects in view my invention consists in the novel construction and arrangement of parts as will be hereinafter fully described and particularly pointed out in the appended claims.

My invention will be more readily understood by reference to the accompanying drawings forming a part of this specification, and in which,

Figure 1 is a perspective view of a cork embodying my invention in its preferred form, and Fig. 2 is a side elevation thereof.

Referring now to the drawings 1 designates the cork and 2 the cord or wire used in the construction of the cork extractor, the cord being preferred. In order to attach the cord to the cork, four equally spaced longitudinal grooves 3 are formed in the periphery of the cork to receive the cord 2, two of said grooves 4 which are diametrically opposite being of a sufficient depth to receive two thicknesses of cord.

The cork is attached as follows: The portions 5 and 6 of the cord are first positioned parallel to each other across the bottom of the cork so that the ends thereof point in opposite directions, then the portions 7 and 8 are placed in diametrically opposite grooves 9 and 10 respectively. The portions 11 and 12 of the cord are brought together over the center 13 of the cork and twisted,

the portions 14 and 15 being then placed at right angles to the portions 11 and 12. The portions 14 and 15 of the cord extend to the grooves 4 and the portions 16 and 17 are seated in said grooves. Thence the portions 18 and 19 of the cord extend across the bottom of the cork in opposite directions, the portions 20 and 21 being then seated in the grooves 4 on the portions 16 and 17 respectively, the remaining portion 22 of the cord forming a finger loop by means of which the cork may be extracted.

For clearness of description the portions 18 and 19 are not drawn taut in Fig. 2, but it is evident that when the same are drawn taut, as indicated in Fig. 1 by dotted lines, the portions 5 and 6 will be held securely in position, no knot being required.

An important feature of my invention is the seating of the portions 20 and 21 on the portions 16 and 17 which prevents the cork from being cut by an upward pull of the loop 22, it being found that the cork is easily cut when directly exposed to the portion of the cord under the greatest tension.

The manner of using the herein described cork will be readily seen by those familiar with such devices, and after the cork 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 may lie over the loop 22 is removed. The finger loop 22 is then bent upwardly so that the same is in a vertical position, as shown in Figs. 1 and 2, or in such position that said loop may be readily grasped, and after the fingers are placed upon the loop 22 and pressure applied thereto it is quite evident that the cork 1 may be readily withdrawn.

From the foregoing description it will be seen that a combined cork and extracting means is provided which is exceedingly simple in its construction and adapted to be manufactured at a comparatively low figure, and it will further be seen that the extractors may be embodied in corks of various constructions.

Various slight changes might be made in the general form and arrangement of parts described without departing from my invention, and hence I do not restrict myself to the precise details set forth, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the claims.

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

1. A device of the class described, comprising a cork having four longitudinal grooves in the periphery thereof, and a single cord wrapped in said grooves and across the top and bottom of said cork with a loop extending from the top of said cork, the free ends of said cord being held in position by a wrapping of said cord lying over them on the bottom of said cork, substantially as described.

2. A device of the class described comprising a cork having equally spaced longitudinal grooves formed therein adapted to receive an extracting cord provided in the device, two of said grooves which are diametrically opposite being of a sufficient depth to receive two thicknesses of said cord, the end portions of said cord being arranged substantially parallel across the bottom of the cork and extending in opposite directions around the same and meeting in the center of the top thereof, a twisted portion of said

cord at said center, portions of said cord extending radially from said twisted portion, portions of said cord extending downwardly from said radially extending portions through said grooves adapted to receive two thicknesses of cord, portions of said cord extending in opposite directions across the bottom of said cork from said downwardly extending portions and thence upwardly through said last named grooves, and a loop formed by said cord extending upwardly from said portions extending upwardly through said last named grooves, said portions which extend in opposite directions across the bottom of said cork being adapted to hold said end portions securely in position, substantially as described.

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

JOHN OTTOWITZ.

Witnesses:

E. L. MARROW,
O. McCARTHY.