

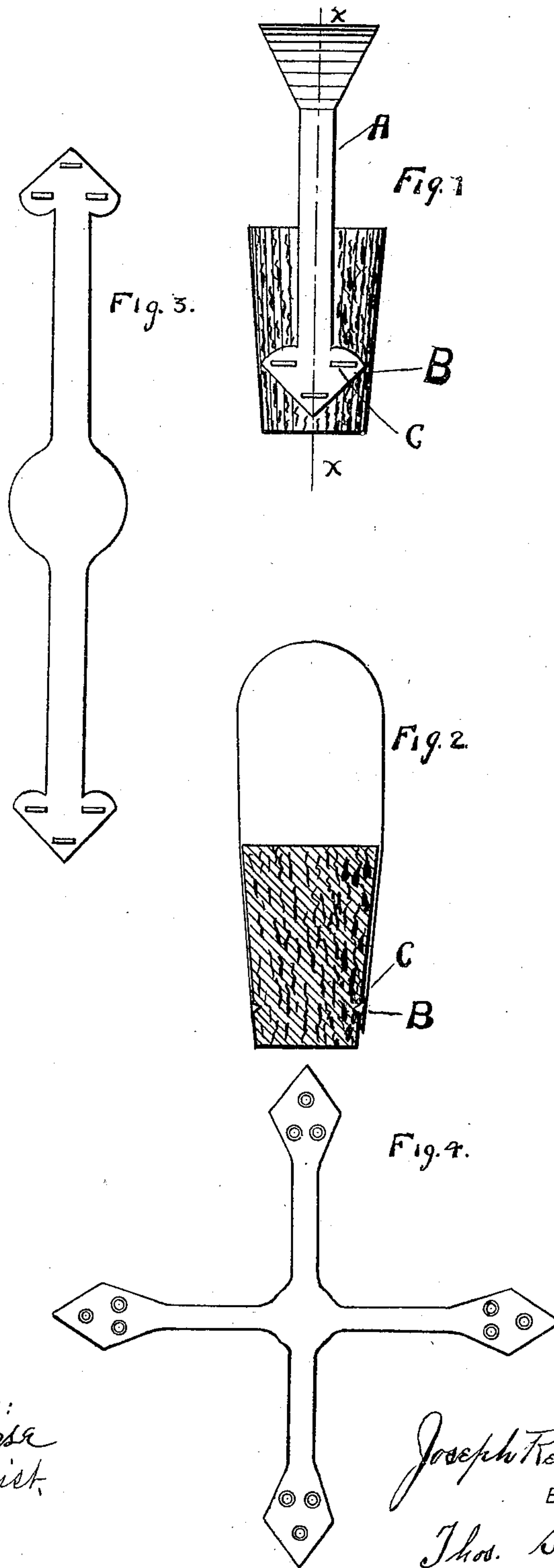
No. 635,728.

Patented Oct. 24, 1899.

J. R. KENNEDY.
DEVICE FOR EXTRACTING STOPPERS.

(Application filed Mar. 25, 1899.)

(No Model.)



WITNESSES:
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DEVICE FOR EXTRACTING STOPPERS.

SPECIFICATION forming part of Letters Patent No. 635,728, dated October 24, 1899.

Application filed March 25, 1899. Serial No. 710,488. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH REED KENNEDY, of the township of Stockton, Camden county, State of New Jersey, have invented
5 a certain new and useful Device for Extracting Stoppers from Bottles and Similar Vessels, of which the following is a full and clear description.

My invention relates to a certain new device
10 vice for extracting stoppers from bottles and similar vessels, the object being to combine therewith permanent and simple means whereby said stoppers may be easily and quickly removed without the necessity of
15 using a corkscrew or other implement.

My invention consists of a strip of flexible material—tin, steel, wire, or other flexible material—having at both extremities teeth
20 or other desired projections adapted to engage said stopper. Thus, before the stopper is placed in the neck of the bottle my device is curved in such a manner that each extremity of said device engages one side of the stopper and the other extremity engages the
25 other side of the stopper diametrically opposite. Thus engaged, the stopper and my device are placed together into the neck of the bottle or other vessel and a convenient means whereby said stopper can be easily and
30 quickly removed is secured.

My invention further consists of the novel features of construction to be hereinafter fully described, and particularly pointed out in the appended claim.

35 Figure 1 is a front view of a stopper, showing my invention. Fig. 2 is a section view on line X X of Fig. 1. Figs. 3 and 4 are plan views.

A designates a strip of metal, shown in this
40 instance as made of tin, although it is apparent the same may be made of steel, wire, or other desired material.

B designates the extremity of strip A, showing the manner in which teeth C are en-
45 gaged with the stopper.

The strip A is of sufficient length to form a bail or loop when in position, as shown in Figs. 1 and 2, large enough to receive the finger of the hand.

The strip A, as before mentioned, is preferably made of flexible material in order that the bail or loop may be pressed downwardly upon the top of the stopper when the bottle is placed within a wrapper or other inclosure, as will be apparent. 50

Should my invention be applied to stoppers made of glass or other refractory material, it will be understood that strip A may be extended completely around the stopper and the extremities welded or fastened together. 55
It will further be apparent that in cases where the device is intended to engage with heavy stoppers, bungs, or other such like heavy stoppers there may be four or more extremities B, as is shown in Fig. 4. 60

It will be apparent that my invention provides in a very simple and inexpensive manner the means whereby a stopper may be easily and quickly removed from a bottle or other vessel, rendering the use of a corkscrew or other implement unnecessary; and it is equally apparent in providing bottles or other vessels with my device that the stoppers may be removed at all times and under all conditions where access to a corkscrew
65 70 75 could not be had and at the same time all mutilation of the stopper when composed of cork or other similar material is avoided.

I desire to have it understood that I may make such changes as do not contravene
80 with the spirit of my invention.

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

A device for extracting stoppers from bottles consisting of an integral piece of metal
85 having enlarged outer ends, teeth or projections struck up from said enlarged ends and adapted when bent in a U shape to engage the diametrically opposite surfaces of the
90 stopper, whereby the whole may be inserted in the neck of a bottle, substantially as described and for the purposes set forth.

JOSEPH REED KENNEDY.

Witnesses:

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