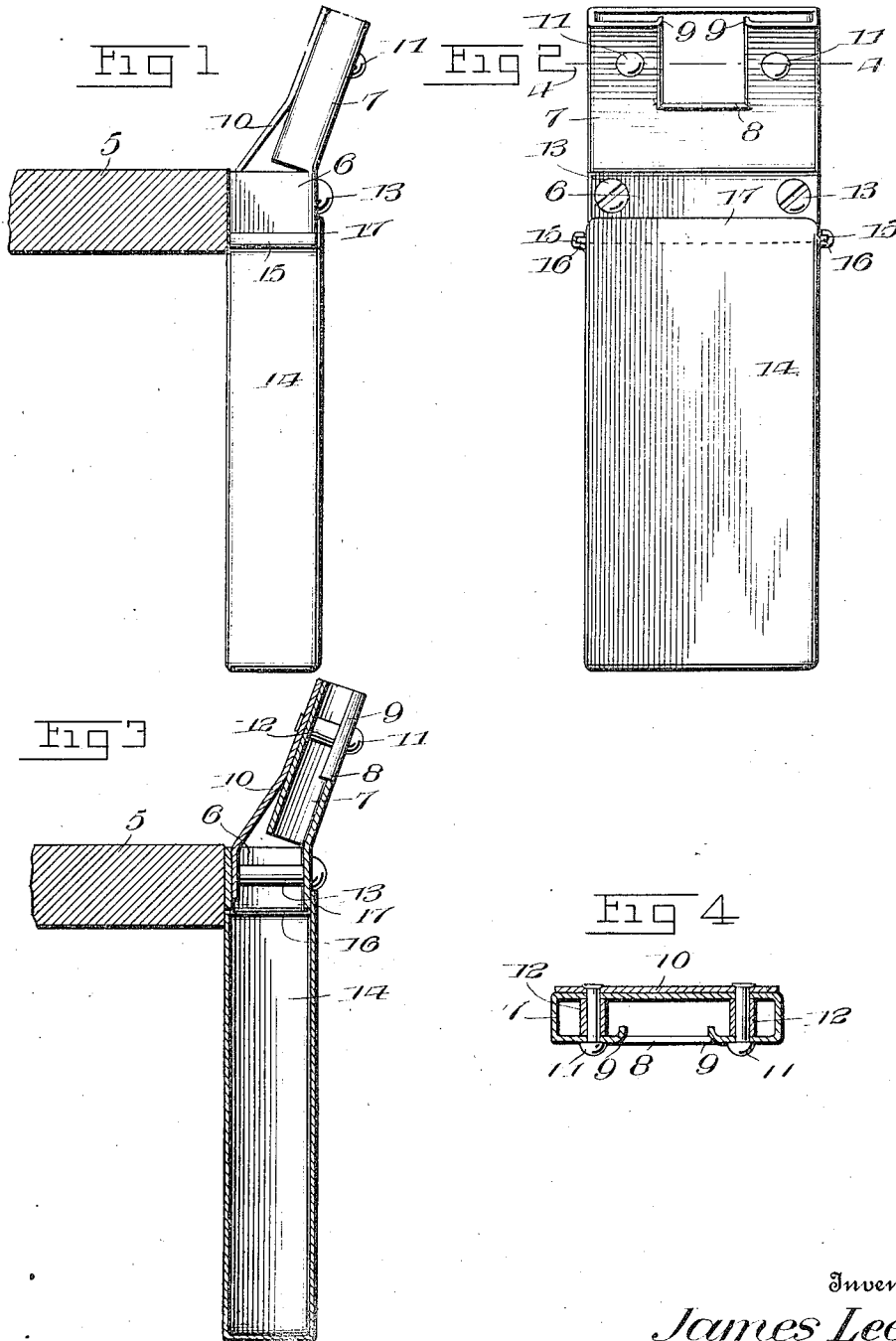


J. LEE.
BOTTLE OPENER.
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1,064,501.

Patented June 10, 1913.



Witnesses

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JAMES LEE, OF BRADLEY, ILLINOIS.

BOTTLE-OPENER.

1,064,501.

Specification of Letters Patent. Patented June 10, 1913.

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To all whom it may concern:

Be it known that I, JAMES LEE, a citizen of the United States, residing at Bradley, in the county of Kankakee and State of Illinois, have invented new and useful Improvements in Bottle-Openers, of which the following is a specification.

The invention relates to bottle openers and more particularly to the class of crown cap removers.

A primary object of the invention is the provision of a device of this character in which crown caps of bottles may be readily and easily removed therefrom without possibility of fracturing the neck of the bottle or mouth thereof thus avoiding the liability of glass getting within the contents of the bottle when removing the cap therefrom.

Another object of the invention is the provision of a device of this character in which the corks or caps when removed from the bottle will be caught in a receiver thereby avoiding the scattering or falling of the caps upon the frock, the receiver for the caps being readily removable from the opener so as to permit the emptying thereof when it becomes filled with caps removed from bottles.

A further object of the invention is the provision of a device of this character which is mounted upon a bar, table, or other stationary support and it enables the convenient removal of the caps from the bottles without the breaking thereof, the device being simple in construction, thoroughly reliable and efficient in its purpose and inexpensive in manufacture.

With these and other objects in view the invention consists in the construction, combination and arrangement of parts as will be hereinafter more fully described, illustrated in the accompanying drawings and pointed out in the claims hereunto appended.

In the drawings:—Figure 1 is a vertical sectional view through a portion of a bar showing the cap remover or bottle opener constructed in accordance with the invention mounted thereon. Fig. 2 is a side elevation of the cap remover or bottle opener. Fig. 3 is a vertical longitudinal sectional view through the same. Fig. 4 is a sectional view on the line 4—4 of Fig. 2.

Similar reference characters indicate corresponding parts throughout the several views in the drawings.

Referring to the drawing by numerals 5 designates a portion of a bar which is of the ordinary well-known construction and on which is mounted the crown cap remover or bottle opener hereinafter more fully described.

The crown cap remover or bottle opener comprises a substantially rectangular shaped frame 6 having integrally formed therewith a rearwardly inclined chute 7 provided with a central recess 8 opening through its upper free edge and in which is engaged the neck of a bottle when capped, the opposite side walls of the recess being formed with inturned rearwardly converging flanges 9 which are adapted to engage the edge of a cap upon the bottle at opposite points thereof so that upon pressing downwardly upon the said bottle the caps will be removed from the mouth thereof and will fall downwardly through the chute 7 to be caught in a manner presently described.

Rising from the rear wall of the frame 6 and fixed thereto and also fixed to the rear wall of the chute 7 is a brace plate 10 which prevents the displacement of the chute when subjected to excessive pressure, the plate 10 being connected to the chute 7 by means of bolt members 11 which extend through both the front and rear walls thereof contiguous to the flanges 9 and carry spacer sleeves 12 disposed between the front and rear walls of the said chute, the bolt members 11 being designed to prevent the outward bulging of the front walls or on obviating any possible displacement thereof when subjected to strain by reason of the engagement of the flanges 9 with the cap when fastened to the mouth of a bottle and on the attempt of removing the same therefrom.

The frame 6 is fastened to the portion of the bar 5 by means of bolt members 13 which are passed transversely through the frame and engaged to the said portion 5 of the bar. However, it is to be understood that this frame 6 may be mounted on any other stationary part should it be desired.

The crown caps when removed from the bottle are caught within a receiver comprising a box-like body 14 having an open top the end walls of which are formed with channeled flanges 15 at the mouth thereof which slidably engage the out-turned flanges 16 formed at opposite ends of the frame 6, the front wall of the body 14 being pro-

vided with an abutment extension 17 which limits the inward sliding movement of the said body 14 when engaged with the frame as the said extension 17 contacts with the front of the frame 6 as shown.

From the foregoing it is thought that the construction and manner of use of the device will be clearly understood and therefore a more extended explanation has been omitted.

What is claimed is:—

1. A cap remover comprising a chute adapted to be fixed to a stationary part and having a recess in its front opening through the upper free edge thereof, rearwardly converging members integrally formed with the opposed walls of the said recess and adapted to engage a crown cap when fastened on a bottle whereby on pressing downwardly upon the latter the said cap will be removed from such bottle and a receiver detachably engaged with the chute and adapted to receive the caps therefrom and when removed from the bottle.

2. A cap remover comprising a chute adapted to be fixed to a stationary part and having a recess in its front opening through the upper free edge thereof, rearwardly

converging members integrally formed with the opposed walls of the said recess and adapted to engage a crown cap when fastened on a bottle whereby on pressing downwardly upon the latter the said cap will be removed from such bottle, a receiver detachably engaged with the chute and adapted to receive the caps therefrom and when removed from the bottle, and means for sustaining the chute in requisite position.

3. A bottle cap remover comprising a frame, a chute rising from the frame and being rearwardly inclined and having a recess in its front wall opening through its upper edge, cap engaging members at opposite sides of the recess and extended inwardly of the chute, a box-like body detachably connected with the frame and receiving a cap when removed from a bottle, and means mounted transversely in the chute for preventing the bulging of its front wall.

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

JAMES LEE.

Witnesses:

EDWARD F. MCCOY,

EDWARD UMSTED.