Aug. 8, 1933. L. EGER 1,921,811

CORK REMOVER

Filed Dec. 5, 1932

Fig. 1

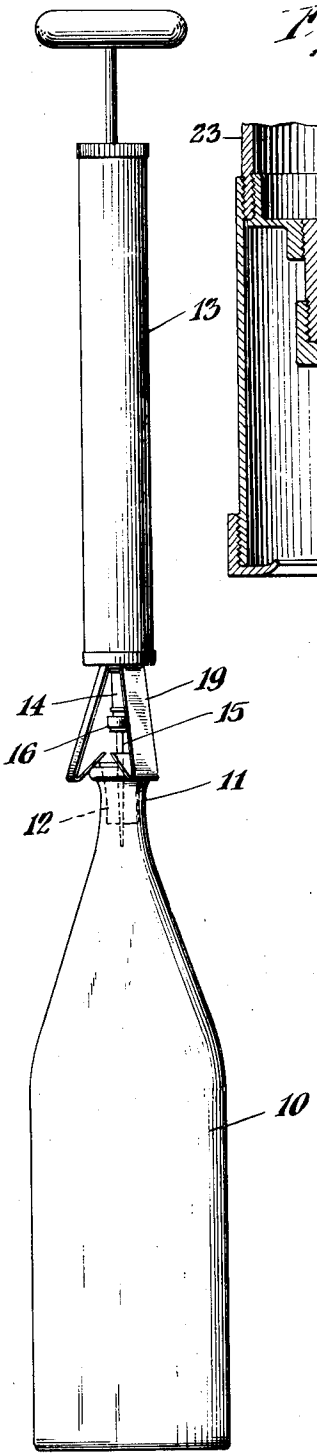


Fig. 4

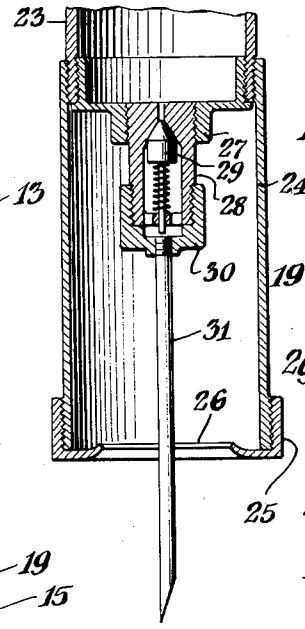


Fig. 2

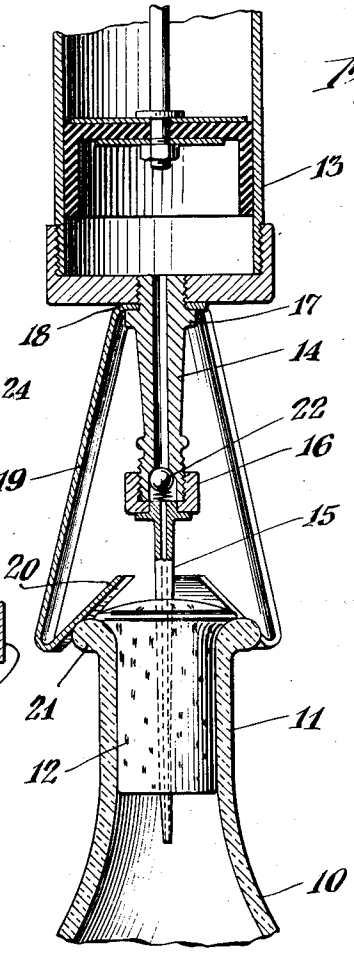
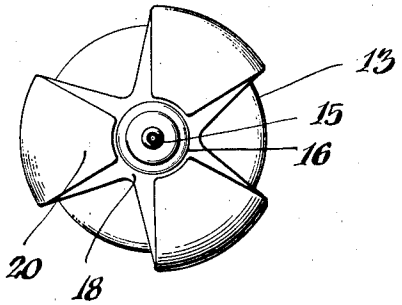


Fig. 3



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CORK REMOVER

Ludwig Eger, New York, N. Y.

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1 Claim. (Cl. 65—46)

This invention relates to improvements in devices for removing the corks from bottles or other similar containers, and it is the principal object of my invention to provide a cork removing device dispensing with the use of the customary cork-screws, hooks or other devices by supplying air under pressure beneath the cork for driving the same out of the bottle neck without damage to cork or bottle.

Another object of my invention is the provision of a device of this type which is comparatively simple and inexpensive, yet highly efficient in use, and operation.

Still another object of my invention is the provision of a new and improved method for removing corks from bottles.

A further object of my invention is the provision of a cork remover equipped with a suitable support for supporting the cork extractor on a bottle.

A still further object of my invention is the provision of a cork extracting device making use of a pump of suitable construction to the nipple of which an injector needle is attached for bringing air under pressure beneath the cork to drive the same out of the bottle's neck; suitable valves are provided to regulate the air flow and to prevent the sucking of the bottle contents into the pump.

These and other objects and advantages of my device will become more fully known as the description thereof proceeds, and will then be specifically defined in the appended claim.

In the accompanying drawing forming a material part of this disclosure:

Fig. 1 is a front elevation of a cork removing device constructed according to my invention.

Fig. 2 is a fragmentary longitudinal sectional view thereof on an enlarged scale.

Fig. 3 is a top plan view after removal of the pump.

Fig. 4 is a fragmentary longitudinal sectional view of a modified form of my device.

As illustrated, a bottle 10 has the mouth of its neck 11 closed by a cork 12.

A pump 13 of any suitable, well known construction has attached to its nipple 14 an injector needle 15 by means of a threaded nut 16. The nipple 14 of the pump has a shoulder 17 formed therewith serving as a holder for the upper, inwardly bent lips 18 of a support 19, the lower inclined and upwardly bent yielding lips 20 of which are adapted to engage and rest upon the bead 21 of the bottle.

A ball valve 22 of well known suitable construction regulates the flow of the air and prevents the liquid sucked from the bottle to enter the pump.

As shown in Figure 4, the pump 23 has attached to its casing a substantially tubular depending housing 24 forming a support for the pump on a bottle and closed at its lower end by a cap 25 having elastic or yielding lips 26.

To the nipple 27 of the pump a valve chamber 28 is attached containing the spring controlled valve 29, and a screw cap 30 is attached to chamber 28 and has secured thereto the upper end of an injector needle 31.

In operation, the needle is attached to the nipple of the pump and passed through the cork of the bottle, if now the pump is operated, air under pressure will be supplied beneath the cork, and will, as soon as the pressure has reached a sufficient force, drive the cork out of the bottle. The yielding lips 20 and 26 will ensure a slow outward movement of the cork while the valves 22 and 29 will prevent the liquid to leave the bottle and enter the pump.

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

In a device for removing corks from bottles including a pump and its nipple and an injector needle attached thereto, a collar on said nipple, and a support for the device on a bottle having upper inwardly bent lips to engage said collar, and lower upwardly bent inclined and yielding lips to rest upon the upper bead of the bottle, and a regulating valve formed with said nipple for regulating the flow of air and for preventing the sucking of the bottle contents into said pump.

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