

(No Model.)

F. McLAUGHLIN.  
ELEVATING DEVICE FOR BOTTLES.

No. 522,693.

Patented July 10, 1894.

Fig. 1.

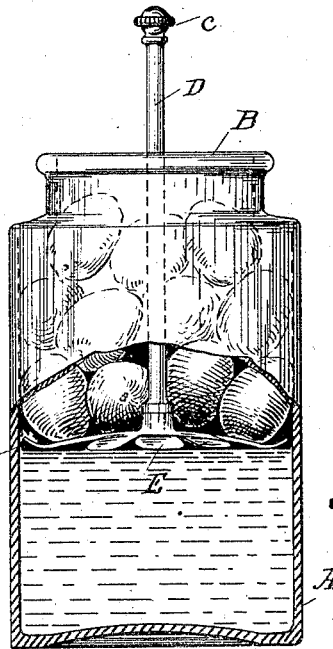


Fig. 4.

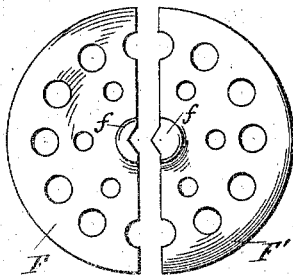


Fig. 5.

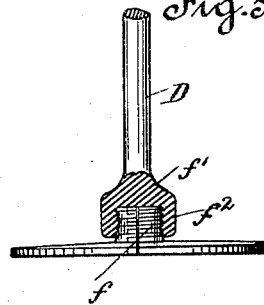


Fig. 2.

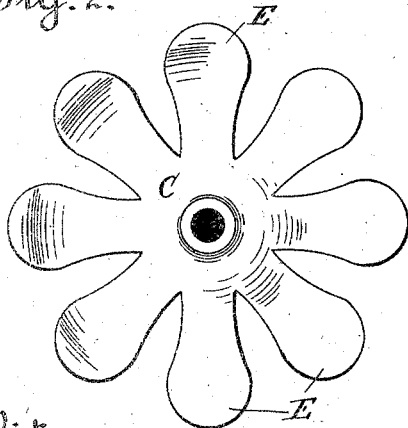
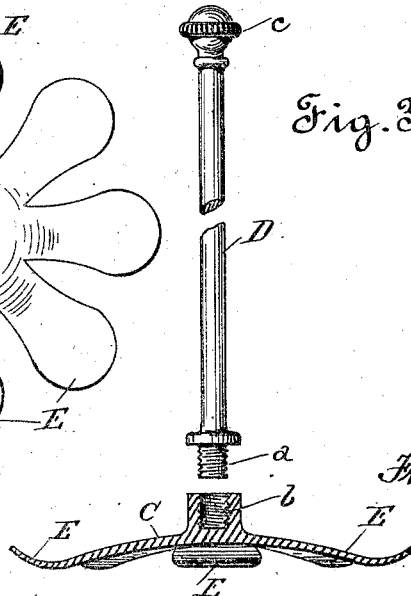


Fig. 3.



Witnesses.

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*att'y*

# UNITED STATES PATENT OFFICE.

FRANK McLAUGHLIN, OF OROVILLE, CALIFORNIA.

## ELEVATING DEVICE FOR BOTTLES.

SPECIFICATION forming part of Letters Patent No. 522,693, dated July 10, 1894.

Application filed December 26, 1893. Serial No. 494,672. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK McLAUGHLIN, a citizen of the United States, residing at Oroville, in the county of Butte and State of California, have invented certain new and useful Improvements in Elevating Devices for Bottles; and I do hereby declare the following to be a full, clear, and exact description of said invention, such as will enable others skilled in the art to which it most nearly appertains to make, use, and practice the same.

The present invention relates to a device for raising fruits, olives, or other condiments, to the surface of a jar or bottle, so as to enable the same to be easily removed therefrom, as will be hereinafter more fully set forth and described.

My invention is designed more especially for use in connection with bottles or jars containing olives, although it may be equally as well worked in conjunction with such as hold fruits, pickles or any class of condiments, and its purpose is to take the place of the fork or knife now brought into use for extracting these articles from the bottle or jar. As, is well known, the olive is generally removed from the jar or bottle by means of a fork designed for this purpose, which not only consumes considerable time to safely extract one, but likewise patience.

In order to more fully understand my invention, reference must be had to the accompanying sheet of drawings, wherein—

Figure 1, is a perspective view of a bottle, partly in section, showing my device located therein; Fig. 2, a top plan of the supporting plate or disk; Fig. 3, a cross sectional view of Fig. 2, showing the handle or lift rod separated from the disk; Fig. 4, a top plan view showing the supporting plate or disk made in sections; and Fig. 5, is a front elevation of Fig. 4, showing the sections united by the lift rod.

The letter A is used to indicate the jar or bottle, which holds or contains the olives, and B, the mouth thereof, which is of considerable less diameter than the body of the bottle or jar. Within the bottle is placed the disk or plate C, to which is secured the lift rod D. The lower end of this rod is reduced and screw-threaded, as shown at *a*, which fits into the

screw-threaded countersunk boss, *b*. The upper end of the rod is provided with a knob *c*, which not only serves as a handle, but as an ornament to the lift rod.

In view of the fact that the plate or disk C, must equal the internal diameter of the bottle or jar, it becomes necessary that the same must, in order to permit of insertion through the contracted mouth of the bottle or jar, be constructed of an elastic or flexible material or be made in sections. When constructed of an elastic material, I make the same of gutta percha and mold the disk C, with a series of radial arms E. These arms may be bent downward, the gutta percha being of sufficient ductility to permit of this without breaking, until the diameter of the support is reduced sufficiently to permit of the same being inserted into the bottle through the mouth. When the pressure is removed from the radial arms they will resume their normal position by their own elasticity.

After the plate is placed within the jar or bottle the same is filled with olives or other condiments, or fruits, and is then ready for the market. The top of the lift rod is supposed to come about even with the under surface of the cover or stopper for the jar or bottle.

In order to extract an olive it is only necessary to remove the top or cover of the bottle and take hold of and lift the rod D, which carries the supporting plate therewith and thus causes the olives to be raised to the top of the bottle, when the same may be easily removed by the fingers or otherwise.

In Fig. 3 of the drawings, I have shown the supporting plate and rod as being made separate, but this is immaterial as the supporting plate and rod may be made integral.

In Fig. 4, I have shown the supporting plate made in sections F, F', each section being perforated and formed with a section of a boss, which, when the sections are brought together, form a screw-threaded boss *f*, see Fig. 5. When the plate is thus formed the sections are placed in the bottle or jar and are held together by the rod D, the lower end of which is enlarged, see *f'*, which enlarged portion is countersunk and screw-threaded, see *f''*, into which screw-threaded countersunk portion the boss *f*, fits and is retained. This is the

form of construction I prefer to employ when the lifting device is made of porcelain, glass, enameled-iron, or similar material.

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

1. The combination with a bottle, an elevating device secured therein, said device consisting of a disk or plate, said disk or plate being approximately the same diameter as the interior of the bottle and a handle or lift rod for raising the disk or plate.

2. The combination with a bottle, of a flexi-

ble disk located therein, and a lift rod secured to said disk for raising the same within the bottle.

3. The combination with a bottle, of a supporting disk located therein, the flexible radial arms projecting therefrom, and a lifting rod for raising the disk within the jar.

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

FRANK McLAUGHLIN.

Witnesses:

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M. G. LOEFFLER.