(No Model.)

G. M. CASEY.

BOTTLE OPENING IMPLEMENT.

No. 492,570. Patented Feb. 28, 1893.

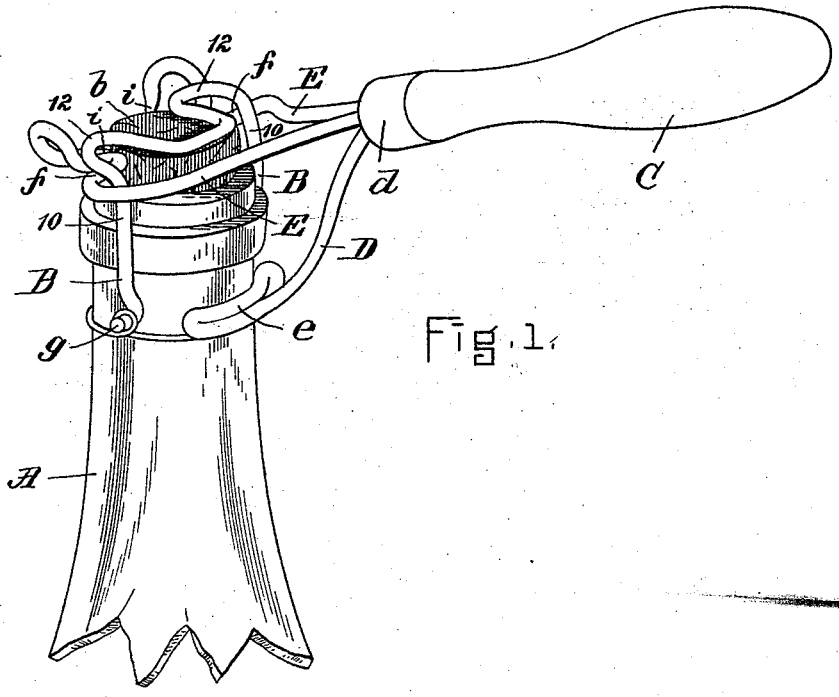

Fig. 1.

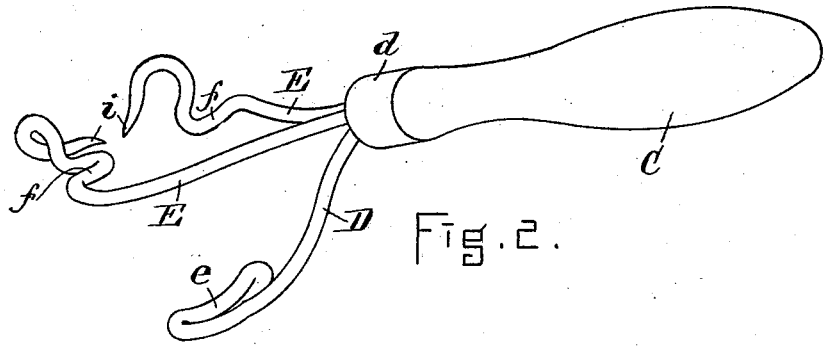

Fig. 2.

WITNESSES.

Henry Marsh.

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UNITED STATES PATENT OFFICE.

GEORGE M. CASEY, OF HINGHAM, MASSACHUSETTS.

BOTTLE-OPENING IMPLEMENT.

SPECIFICATION forming part of Letters Patent No. 492,570, dated February 28, 1893.

Application filed July 20, 1892. Serial No. 440,645. (No model.)

To all whom it may concern:

Be it known that I, GEORGE M. CASEY, a citizen of the United States, residing at Hingham, in the county of Plymouth and State of Massachusetts, have invented an Improved Bottle-Opening Implement, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view of my improved bottle-opening implement applied to the neck of a bottle having its cork secured by means of the ordinary swinging bail-shaped wire fastening. Fig. 2 is a view of the implement removed from the neck of the bottle.

My invention has for its object to provide a simple and inexpensive implement for opening bottles containing aerated or gaseous beverages and having their corks secured by means of the ordinary swinging bail-shaped wire fastening. In opening bottles having fastenings of this description the pivoted wire bail has heretofore been forced to one side to free the cork by the pressure of the thumbs, and where the top of the bail is embedded or pressed into the cork, considerable force is required, rendering the operation somewhat difficult and inconvenient; furthermore the pressure of the gas in the bottle causes the cork to be thrown out with much force, ceilings and walls being frequently spotted or disfigured by the contact of such corks therewith, while injury to the eyes has often resulted from these flying corks where the person opening the bottle is not careful to point the neck away from himself or others standing near him.

My invention has for its object to avoid all of these objections, and consists in a stock or handle provided with a downwardly extending arm or brace having its outer end shaped to fit against the neck of the bottle which forms a fulcrum on which to move the implement, and two diverging arms or wires arranged in a horizontal plane and provided with projections adapted to engage with and swing the bail shaped fastening away from the cork when the handle of the implement is depressed; said arms having inwardly projecting points or prongs at their outer ends which enter the sides of the cork near its top to prevent it from flying as the bottle is opened, as hereinafter more fully set forth.

In the said drawings, A represents the neck of a bottle provided with an ordinary cork *b* secured in place against the pressure of the gaseous liquid within the bottle by the well known bail-shaped wire fastening B, the U-shaped top of which is swung over the cork in the usual manner.

C represents the stock or handle of my improved implement, from the end *d* of which projects in a downward direction, a curved arm D, preferably composed of thick wire and having its outer end *e* bent horizontally into concave form to fit and bear against the neck of the bottle as shown in Fig. 1, said arm D forming a brace and the portion of the bottle upon which the outer end *e* rests, constituting a fulcrum on which the implement is moved when the handle is depressed. From the end *d* of the handle C also project two diverging arms E, E, preferably composed of thick wire and arranged in the same horizontal plane as the handle C, said arms being adapted to embrace the upper portion of the cork as seen in Fig. 1. Each of the arms E is bent to form an inwardly extending projection *f* which, when the implement is applied to the neck of the bottle, as shown in Fig. 1, bears against or engages with one of the sides 10 of the bail-fastening B at its upper end immediately under the horizontal portion 12 of its top, whereby when the handle C is depressed, the said bail will be swung on its pivots *g* out of contact with the top of the cork to release the same as desired. The portion of each of the arms or wires E beyond the projection *f* is bent around and curved inward, the extreme ends of these arms being pointed and brought near to each other as shown, forming two inwardly projecting points or prongs *i*, *i*, which, when the implement is applied to the bottle, as shown in Fig. 1, penetrate the sides of the cork, and as the wire bail B is swung out of the way by the projections *f*, *f*, as the handle is depressed, the cork is started by the prongs *i*, *i*, in case it should stick, and as it is forced outward by the pressure within the bottle, is carried over to one side by the said prongs away from the mouth of the bottle, and held securely in such

position, being taken off with the implement from which it is afterward removed with the fingers, all danger of the cork flying when the bottle is opened, and being forcibly projected against the ceiling or wall or injuring anyone standing near being thus effectually prevented.

The arms D and E, E, may be welded together to form a single integral shank adapted to fit within the stock or handle C, which will render them more solid and durable than if made separately.

I do not confine myself to the exact shape of the outer ends of the arms E, E, as shown, as it will be obvious that the inwardly entending projections *f* and prongs *i* which are the essential features, may be produced by varying the curves to some extent.

What I claim as my invention, and desire to secure by Letters Patent, is—

The herein-described implement for opening bottles provided with pivoted bail-shaped wire cork-fastenings, consisting of a stock or handle provided with a downwardly extending arm or brace having its outer end shaped to fit against the neck of the bottle, and two diverging arms arranged in a horizontal plane and provided with inwardly extending projections adapted to engage the sides of the pivoted bail of the wire cork-fastening, and having at their outer ends inwardly projecting points or prongs adapted to enter and hold the cork to prevent the same from flying when forced out of the bottle, substantially as set forth.

Witness my hand this 18th day of July, A. D. 1892.

GEORGE M. CASEY.

In presence of—
P. E. TESCHEMACHER,
HARRY W. AIKEN.