(No Model.)

W. H. HANNAN.

BOTTLE OPENER.

No. 297,389. Patented Apr. 22, 1884.

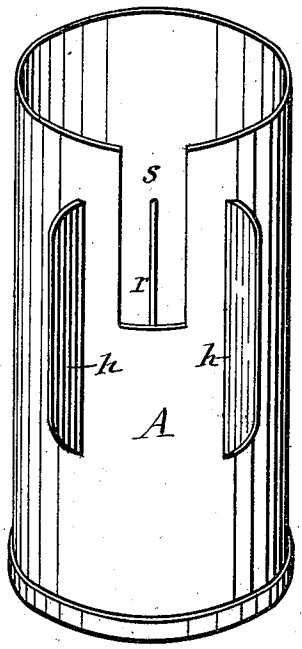


FIG-I-

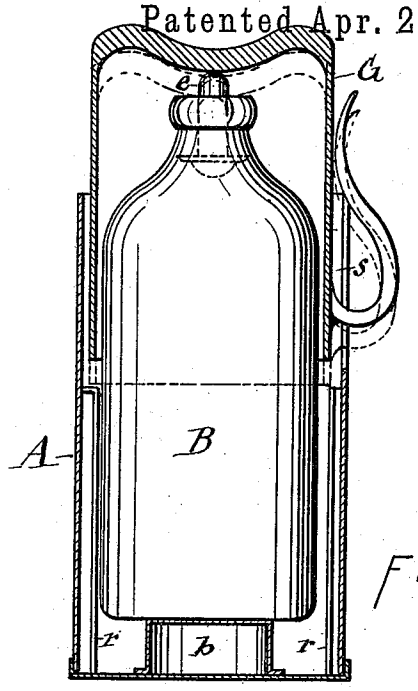


FIG-II-

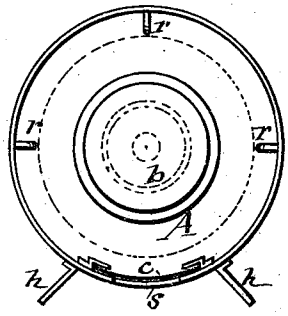


FIG-IV-

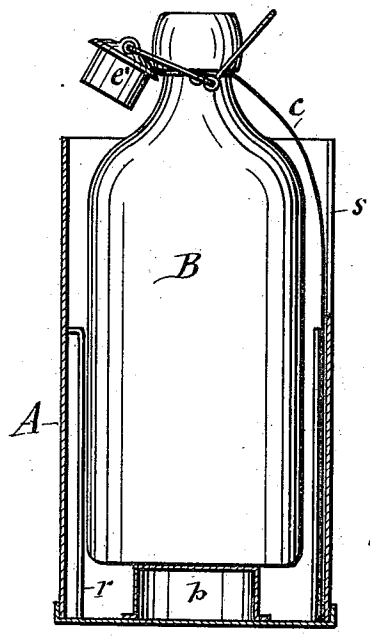


FIG-III-

WITNESSES:

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per Wells, Laass & Co.

his attys

N. PETERS. Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

WILLIAM H. HANNAN, OF PALERMO, NEW YORK.

BOTTLE-OPENER.

SPECIFICATION forming part of Letters Patent No. 297,389, dated April 22, 1884.

Application filed March 1, 1884. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. HANNAN, of Palermo, in the county of Oswego, in the State of New York, have invented new and useful Improvements in Bottle-Openers, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention consists in a novel construction of a receptacle adapted to contain the body of the bottle to be opened and hold the same sufficiently isolated from the inner surface of the receptacle to form a passage for the liquid which may overflow from the mouth of the bottle in the process of opening the same while held in said receptacle, the opening of the bottle being effected as hereinafter described.

The invention also consists in the combination, with the aforesaid receptacle, of peculiar devices for opening the bottle while held in the receptacle, all as hereinafter more fully described, and specifically set forth in the claims, said device being more particularly designed for handling bottles containing effervescent liquids, it serving to protect the manipulator from becoming soiled by the rapidly-issuing liquid from the bottle when first opened, and also preventing, to a great extent, waste of said liquid.

The invention is fully illustrated in the annexed drawings, wherein Fig. I is a perspective view of the bottle holder or receptacle. Fig. II is a vertical section of the same with the bottle introduced and the glass in position for opening the bottle. Fig. III is a vertical section showing the device for removing an externally-applied stopple from the bottle, and Fig. IV is a plan view of the bottle-holder.

Similar letters of reference indicate corresponding parts.

A represents the bottle-holder, consisting, essentially, of a liquid-receptacle adapted to contain the body of the bottle to be opened, and supporting the same in such a manner as to leave between the bottle and inner perimiter of the receptacle a space or channel for the purpose hereinafter explained.

The receptacle A, I prefer to construct of incorrodible sheet metal and of cylindrical or other suitable form. The interior thereof I provide with longitudinal ribs *r r*, which may either be formed of strips of metal or of corrugations of the body of the receptacle.

To the bottom of the interior of the receptacle I attach a raised base, *b*, having a space around it.

The bottle, (designated by the letter B in the drawings,) when introduced in the receptacle A, rests on the elevated base *b*, and is sustained laterally by the ribs *r r*.

To open the bottle, it is placed in the holder or receptacle A, as aforesaid, and if said bottle has an internally-arranged stopple, *e*, the glass or tumbler is placed in an inverted position over the mouth of the bottle and pressed down onto the stopple *e* until it is displaced from the mouth, the edge of the glass or tumbler, being inside of the receptacle A, as illustrated in Fig. 2 of the drawings, forms a shield, which protects the manipulator from the liquid issuing from the mouth of the bottle and conducts said liquid into the space between the bottle and the interior of the receptacle A. After the force of the gases in the bottle has been expended, the glass or tumbler can be removed from its aforesaid position and placed upright to receive the remaining liquid of the bottle and the overflowed liquid from the receptacle A, the spaces between the ribs *r r* forming channels, in which the liquid can flow to and from the receptacle A.

For the handling of beer-glasses having a handle, I provide the upper portion of the holder A with a vertical slot, *s*, of sufficient size to receive the handle of the glass, as illustrated in Fig. 2 of the drawings.

To facilitate the manipulation of the receptacle A with the bottle inside thereof, I provide the receptacle with handles *h h* at opposite sides of the slot *s*, so as to enable the operator to grasp the receptacle between his thumb and three of his fingers and bear with one finger on the bottle B through the slot *s* in the operation of emptying the bottle and its holder.

When the bottle has an externally-applied stopple, *e'*, as shown in Fig. III of the drawings, I employ a spring-plate, *c*, adapted to be inserted between the bottle and its holder, and of proper length to engage by its upper end

the usual wire fastening of the stopple, as illustrated in Fig. III of the drawings. In pushing the bottle B into the holder A, the spring *c* throws the stopple off the mouth of the bottle, the glass, being at the same time held over the mouth of the bottle and part way entered into the top of the holder A, compels the issuing liquid to run down into the holder, from whence it can subsequently be poured simultaneously with emptying the bottle.

Having described my invention, what I claim as new is—

1. The within-described bottle-opener, consisting of a liquid-receptacle adapted to contain the body of the bottle, and provided around the bottle with a space for receiving the overflow from the bottle, as set forth.

2. The bottle-holder A, provided with ribs *r r* and raised base *b*, as shown and described.

3. The bottle-holder A, provided with ribs *r r*, raised base *b*, and slot *s*, substantially as described and shown, for the purpose set forth.

4. The bottle-holder A, provided with ribs *r*, raised base *b*, slot *s*, and handles *h h* at opposite sides of the slot, substantially as described and shown.

5. The combination of the bottle-holder A, provided with ribs *r*, raised base *b*, slot *s*, and spring *c*, substantially as and for the purpose shown and set forth.

In testimony whereof I have hereunto signed my name and affixed my seal, in the presence of two attesting witnesses, at Syracuse, in the county of Onondaga, in the State of New York, this 13th day of February, 1884.

WILLIAM H. HANNAN. [L. S.]

Witnesses:
FREDERICK H. GIBBS,
C. BENDIXON.