(No Model.)

A. L. BERNARDIN.

COMBINED METALLIC CAP AND FASTENER FOR BOTTLES.

No. 314,358. Patented Mar. 24, 1885.

fig. 1.

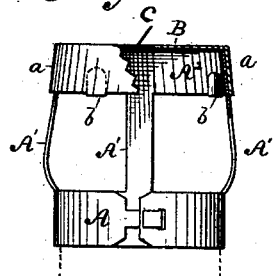


fig. 3.

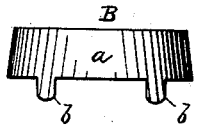


fig. 4.

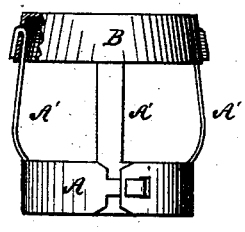
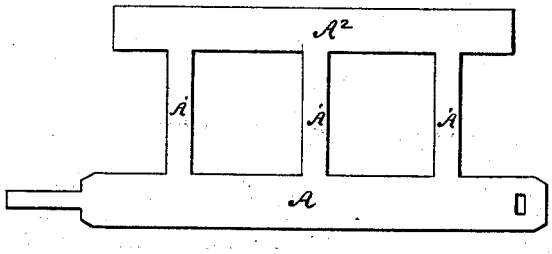


fig. 2.



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UNITED STATES PATENT OFFICE.

ALFRED L. BERNARDIN, OF EVANSVILLE, INDIANA.

COMBINED METALLIC CAP AND FASTENER FOR BOTTLES.

SPECIFICATION forming part of Letters Patent No. 314,358, dated March 24, 1885.

Application filed December 26, 1884. (No model.)

To all whom it may concern:

Be it known that I, ALFRED L. BERNARDIN, a citizen of the United States, residing at Evansville, in the county of Vanderburg and State of Indiana, have invented certain new and useful Improvements in Combined Metallic Cap and Fastener for Bottles, of which the following is a description.

Figure 1 is a side view, partly in section, of the cap and fastener indicating by dotted lines its application to the neck of a bottle. Fig. 2 represents the form of the fastener as stamped out of flat sheet metal. Fig. 3 is a detail in side view of the cap; and Fig. 4 is a side view, partly in section, showing a modification.

My invention relates to a bottle-cork fastener for which I filed an application for a patent December 19, 1884. In that construction a cap for the stopper was formed of two thicknesses of metal, and was held down by means of a metallic strap or collar, which was adapted to be fastened below the projection or shoulder of the bottle-neck, and which collar had upwardly-projecting arms that were attached to the cap by being secured between the thicknesses of the two sections and crimped or by other permanent connection.

My present invention relates more particularly to the means for connecting the collar and cap, whereby I simplify the construction and render the parts detachable at will. For this purpose I make the fastener in two parts—one a cap of a single thickness having a pendent flange adapted to fit over the cork, and the other comprising a collar adapted to fit under the neck of the bottle and made integral with vertical strips, which lower part of the fastener is detachably secured to the cap-flange by means of clips, and is formed either with or without an upper collar-section, as will be hereinafter fully described.

In the drawings, A represents the main collar, which has at one end a tenon or reduced end that is adapted to pass through a slot in the other end and be bent around to form a fastening for the collar beneath the bulge or shoulder of the bottle-neck. This collar A is formed integral with the vertical strips or section A′, and a horizontal upper collar-section, A^2, the said parts being cut from sheet metal in a single piece by stamping.

B is the cap, which is composed of a single thickness of metal struck up with a pendent flange, *a*, at its edges, and with clips *b* at the lower portion of said flange, which clips are bent around and under the upper section, A^2, to connect the cap detachably with its holding devices. This construction requires only a single thickness of material for the cap, and is cheaper and better, and in addition permits the parts to be detached at will, thus enabling me to supply a defective or broken part of the fastening by a new one without sacrificing the entire device.

To adapt my fastening to use in connection with the bottling devices already in use I form a central aperture, *c*, through the cap to give passage to the plunger of the bottling devices.

As a modification of my invention, instead of forming the clips on the cap-flange, I may construct the cap with slots in its pendent flange, into which the upper ends of the vertical strips A′ may be passed and bent around as clips, as shown in Fig. 4, in which case the upper collar-section, A^2, would not be required.

In defining my invention with greater clearness, I would state that I am aware that it is not new to construct a bottle-stopper of a cap portion having downwardly-projecting arms, and a lower collar portion adapted to fit beneath the shoulder of the neck of the bottle, which collar-section was jointed to the downwardly-projecting arms of the cap at a point below the mouth of the bottle. The stopper in this case, however, is a permanent attachment to the cap, and is removed by a radial movement of the cap-arms about their center of articulation.

My invention is distinctive in its construction in that it is designed to be used with corks that protrude into the neck of the bottle, and it is removed by unfastening the clips at the mouth of the bottle and entirely detaching and removing the cap from the lower portion.

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

1. A cap-fastener for bottles including two parts, a cap of a single thickness, and having a pendent flange, and a lower part comprising a collar and vertical strips made integral

with the collar, and bent clips for detachably connecting the flange of the cap with the upper portion of the lower part, substantially as and for the purpose described.

2. The combination, with the collar-section A with vertical strips A′ and upper collar-section, A^2, of the cap having clips *b*, adapted to be bent around and detachably fastened to the upper collar-section, substantially as shown and described.

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Witnesses:
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