

(No Model.)

W. W. HUBBARD.
CLAMP.

No. 563,038.

Patented June 30, 1896.

Fig. 1.

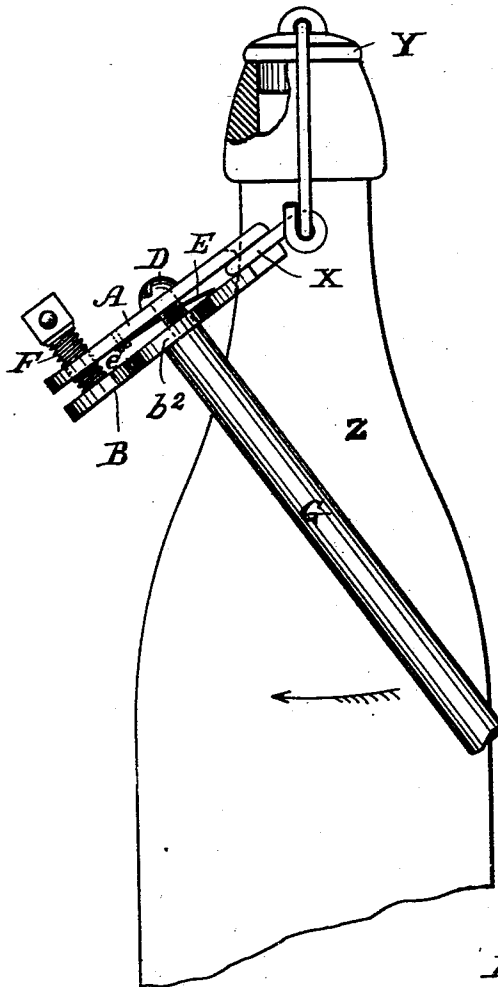


Fig. 2.

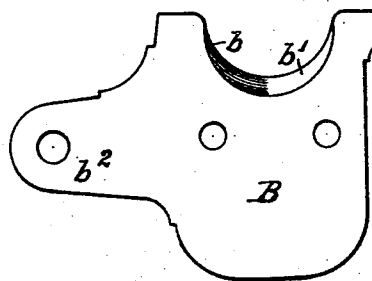


Fig. 3.

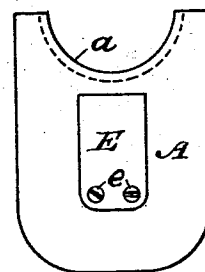
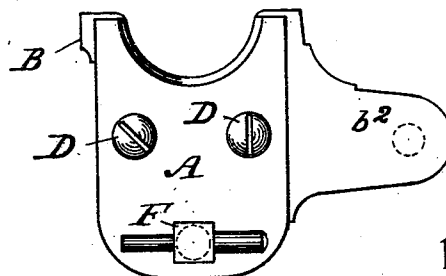


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM W. HUBBARD, OF MANCHESTER, NEW HAMPSHIRE.

CLAMP.

SPECIFICATION forming part of Letters Patent No. 563,038, dated June 30, 1896.

Application filed July 22, 1895. Serial No. 556,734. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM W. HUBBARD, a citizen of the United States, residing at Manchester, in the county of Hillsborough and State of New Hampshire, have invented certain new and useful Improvements in Clamps; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Bottles containing cider which has worked, or any other effervescing liquid, must be handled carefully when it is desired to open and turn their contents into a glass, various stoppers having been devised for controlling and preventing the premature escape of the liquid before the glass has been placed in position. Among these are the ordinary lager-beer bottles, which are supplied with a wire cam-bail for gradually loosening the stopper. These cam-bails rest normally against the side of the bottle and are sometimes very difficult to manipulate. My invention relates to bottles having stoppers of this character. When the cam-bail moves hard, after having been started, it flies up so quickly that it is impossible to properly control the stopper, which often flies open instantly and before a tumbler can be placed in position to receive the contents of the bottle, under which circumstances the greater portion of the liquid is lost.

The object of my invention is to provide an easily-adjusted clamp for the cam-bail of such a bottle, by which the stopper may be opened as slowly as desired, and just sufficiently for the escape of some of the gas, thus permitting the bottle to retain its contents long enough to enable one to successfully transfer the effervescing liquid to a tumbler; and the invention consists in the construction hereinafter described and particularly pointed out, reference being had to the drawings accompanying and forming a part of the following specification and claims, of which—

Figure 1 represents a broken elevation of an ordinary lager-beer bottle and my improved opening device clamped to the cam-bail. Fig. 2 is a detail showing one of the clamping-plates. Fig. 3 is a detail view showing the other of the clamping-plates. Fig.

4 is a detached elevation of my improved device.

Similar reference-letters designate corresponding parts throughout the several views.

To carry my invention into practice, I provide a clamp for the cam-bail, consisting of plates A B, which are loosely connected by the screws D D, passing loosely through the smaller plate A and threaded to the larger plate B, and while it is not necessary, it is nevertheless preferable to provide a suitable spring E, located between and secured to one of the plates by screws *e*, as shown, for the purpose of keeping the curved jaws *a b* of the clamping-plates separated for the easy entrance of the cam-bail X of the stopper Y, (shown on the bottle Z in Fig. 1;) and to tighten the clamping device upon the cam-bail a thumb-screw F is threaded to the smaller plate A at a point opposite the curved jaws, and this may be turned down more or less, so as to bear, as may be required, against the larger plate B. The curved jaws should have their edge beveled, especially the jaw *b* of the plate B, as shown at *b'*, in order that it may reach in between the neck of the bottle Z and the cam-bail X, as seen in Fig. 1.

The clamping-plates will be provided with a handle or operating-arm G, of sufficient length to afford easy manipulation, and this handle or arm may be formed integral with or attached to an ear or extension *b*² of the larger plate B, projecting at right angles therewith.

Having thus described my invention, what I claim is—

1. A device of the class described comprising a lever, a plate attached rigidly thereto and having a reëntrant edge curved to lie against the neck of a bottle, headed pins projecting from the upper face of the plate, a second plate adapted to move on said pins and having a reëntrant edge in alinement with that of the first plate, means for holding the plates normally apart and means for exerting a gripping action between them.

2. A device of the class described comprising a lever, a plate attached rigidly thereto and having a reëntrant edge curved to lie against the neck of a bottle, headed pins projecting from the upper face of the plate, a

second plate adapted to move on said pins
and having a reëntrant edge in alinement
with that of the first plate, a spring arranged
between the plates tending to normally hold
5 them apart and a thumb-screw passed through
the upper plate and into the lower plate to
exert a gripping action between them.

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

WILLIAM W. HUBBARD.

Witnesses:

J. B. THURSTON,

ELMER W. NUTTING.