

(Model.)

A. L. BERNARDIN.
METALLIC CAP FOR CORKS.

No. 308,458.

Patented Nov. 25, 1884.

Fig. 1.

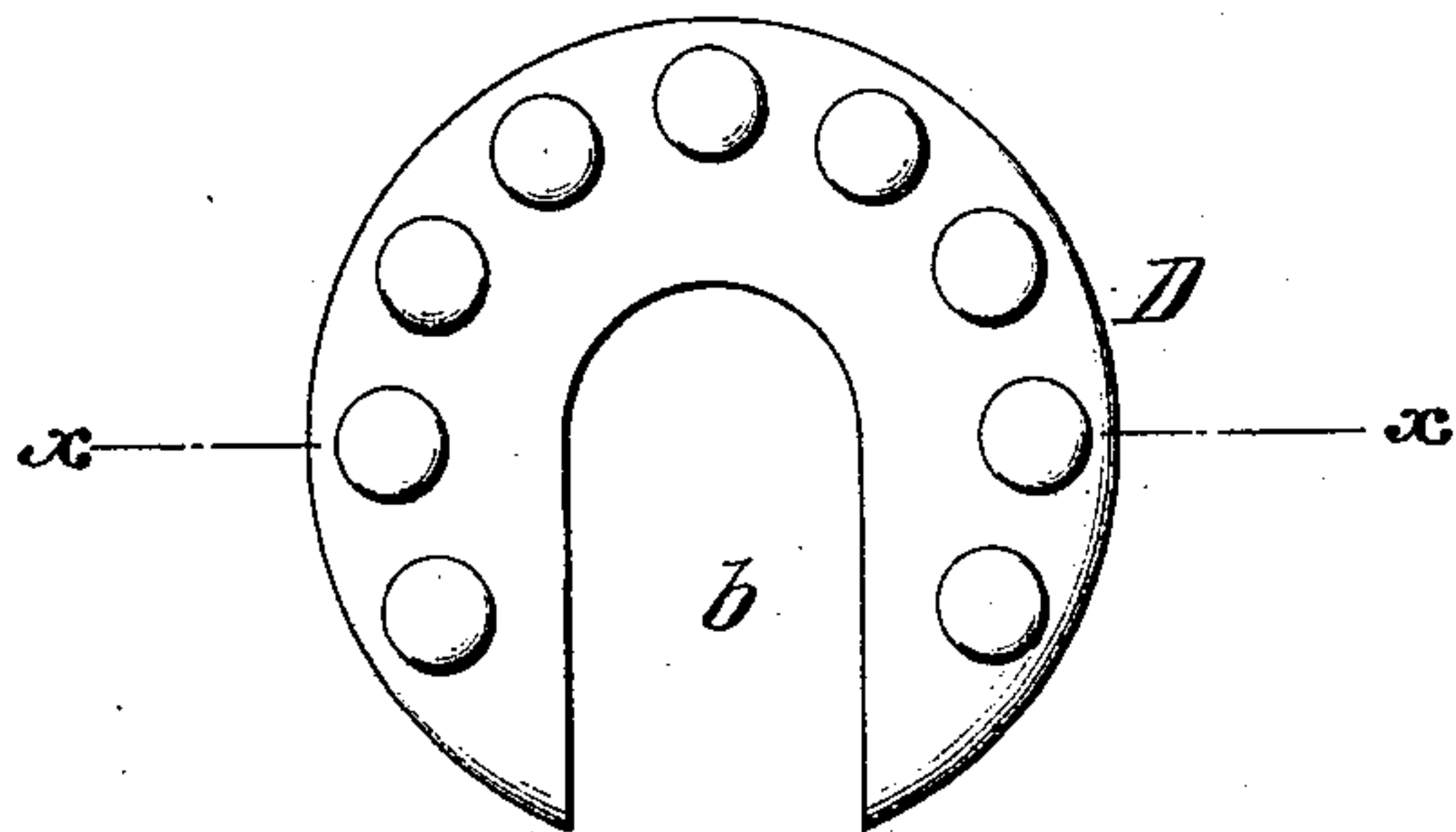


Fig. 2.

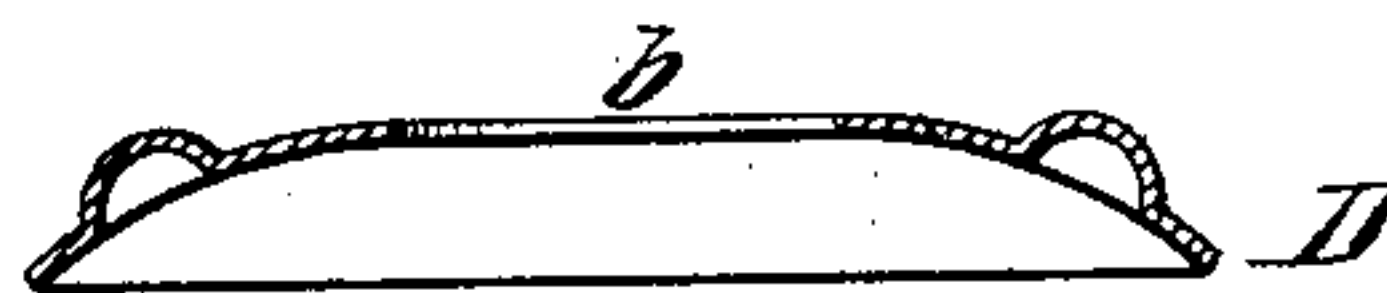
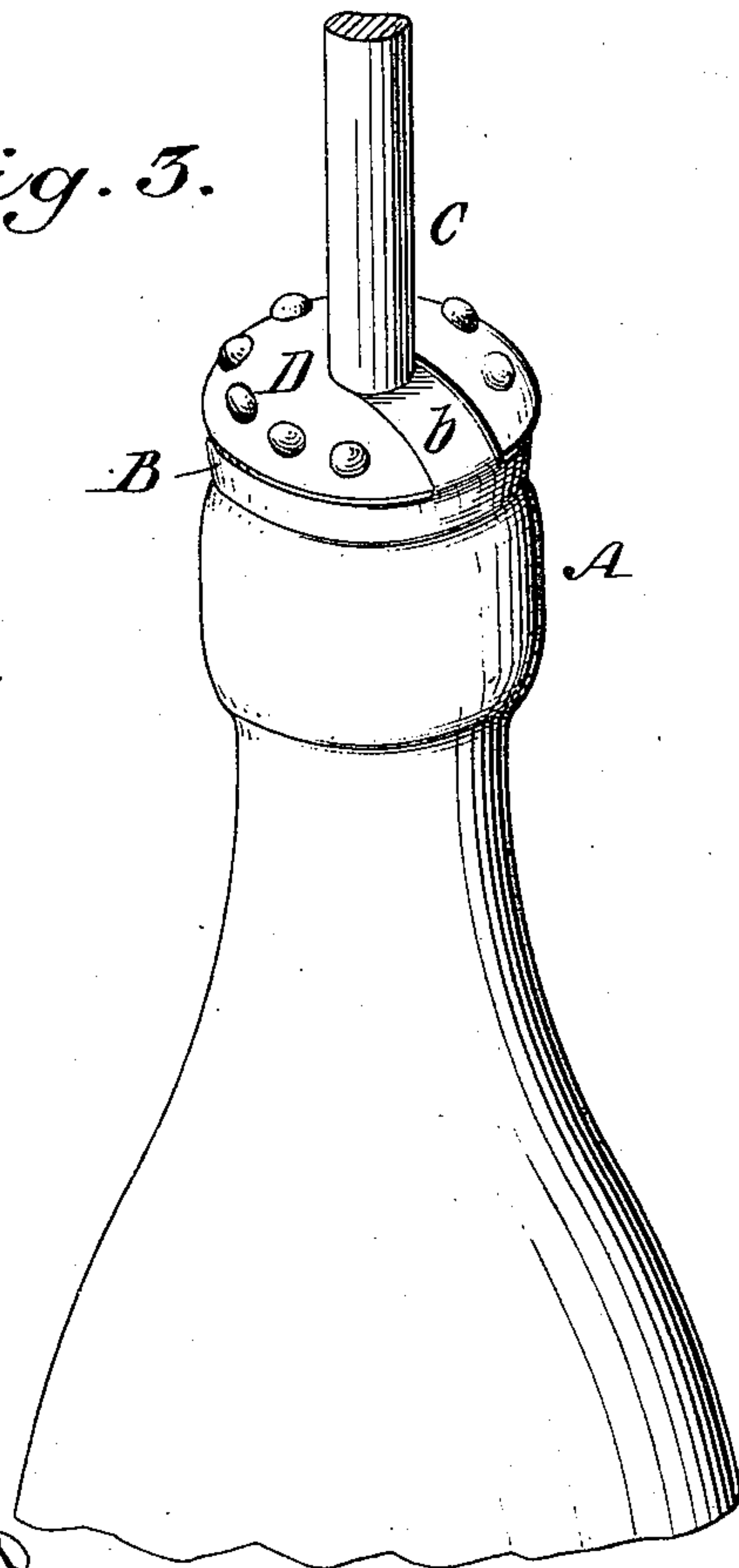


Fig. 3.



WITNESSES:

John H. Deemer
C. Sedgwick

INVENTOR:

A. L. Bernardin

BY

Munn & Co

ATTORNEYS.

UNITED STATES PATENT OFFICE.

ALFRED L. BERNARDIN, OF EVANSVILLE, INDIANA.

METALLIC CAP FOR CORKS.

SPECIFICATION forming part of Letters Patent No. 308,458, dated November 25, 1884.

Application filed June 2, 1884. (Model.)

To all whom it may concern:

Be it known that I, ALFRED L. BERNARDIN, of Evansville, in the county of Vanderburgh and State of Indiana, have invented a new and Improved Metallic Cap for Stoppers or Corks of Bottles Used to Hold Liquids under Pressure, of which the following is a full, clear, and exact description.

This invention pertains to that class of metallic caps for bottle-stoppers wherein said caps are bound upon the stoppers or corks, usually by tying or analogous means; and it consists of such a cap having, in addition to an open-ended slot, elevations or nodules upon its upper surface, to effectually hold the binding wire or medium thereon, substantially as hereinafter more fully set forth and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 represents a top view of my improved metallic cap; Fig. 2, a transverse section of the same on the line *x x* in Fig. 1; and Fig. 3, a view in perspective of a corked bottle in part and the plunger in part of a bottling-machine in its holding position on the cork, and my improved metallic cap slipped to its place over the cork and with its slotted portion straddling the plunger.

A indicates the mouth end of the bottle, closed, when charged with liquid under pressure, by the cork B; and C is the corking-plunger.

D is the metallic cap, arranged over the cork to prevent the tying-wire from cutting the cork. This cap is made of sheet metal, and may be constructed of a concavo-convex shape, and with an open-ended slot, *b*, in it, extending from one side of its perimeter to a short distance beyond its center, and of a suitable

width to admit of the slotted cap straddling the plunger while the latter continues to hold on the cork until the binding wire or medium is secured thereon, said wire being passed upon or across said cap and fastened around the neck of the bottle in the usual manner. The closed end of the slot *b* it is preferred to make of half-round shape, struck from the center of the cap and corresponding to the circular form of the corking-plunger, and to make the slot *b* of such length that when the cap is slipped to its place it will hug the plunger and be automatically adjusted or stopped by the plunger centrally over the cork and mouth of the bottle. The concavity of the under surface of the cap D effects the compression of the cork or stopper at its edges, while the convexity of the cap avoids the presentation to the wire or binding medium of angular surfaces or edges which would have the effect to abruptly bend and weaken the wire thereat. The cap is also struck up with a series of nodules or elevations, *c*, to prevent the binding wire or medium from slipping off the cap.

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

1. In metallic caps for bottle-stoppers, the slotted cap having upon its upper surface nodules or elevations, substantially as and for the purpose set forth.

2. In metallic caps for bottle-stoppers, the slotted cap having a concaved lower surface and a convexed upper surface, and struck up or provided with nodules or elevations upon its convexity, substantially as and for the purpose set forth.

ALFRED L. BERNARDIN.

Witnesses:

F. W. PRESCOTT,
ADAM BECKER.