

No. 833,944.

PATENTED OCT. 23, 1906.

J. L. SOMMER.
BOTTLE OPENER.
APPLICATION FILED MAY 23, 1906.

2 SHEETS—SHEET 1.

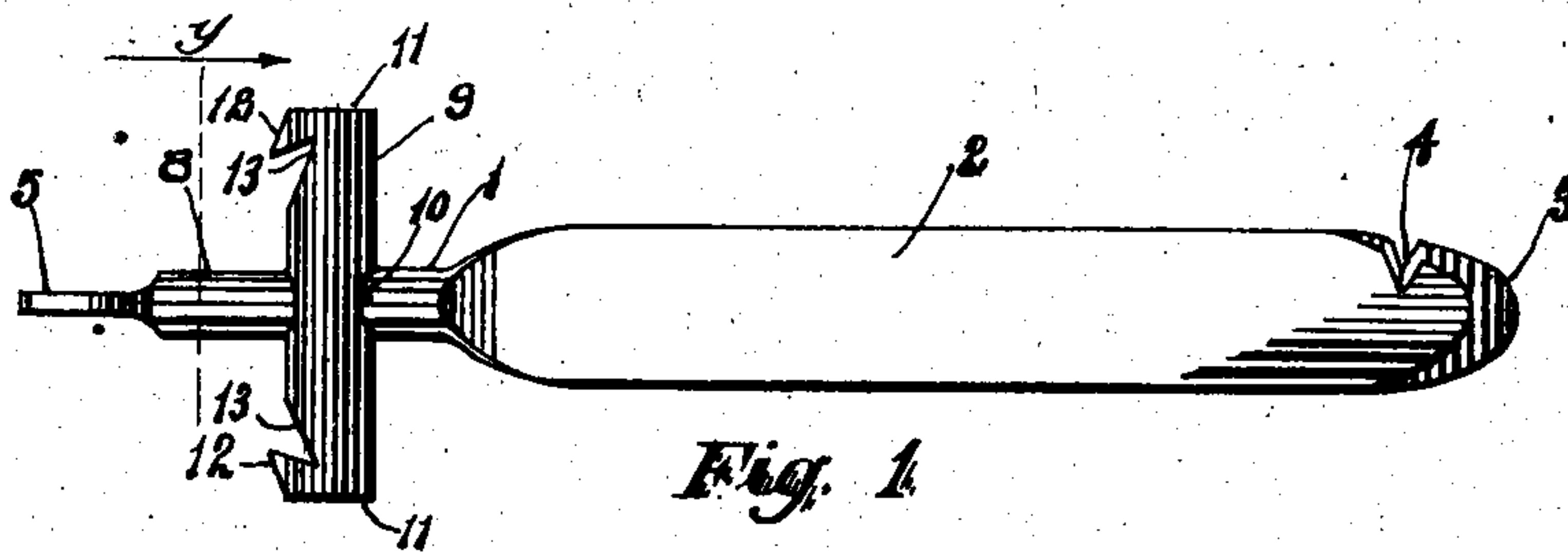


Fig. 1.

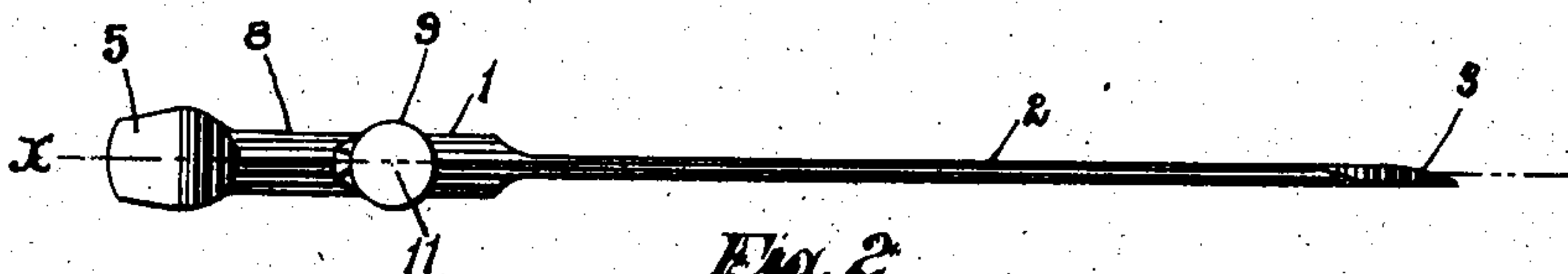


Fig. 2.

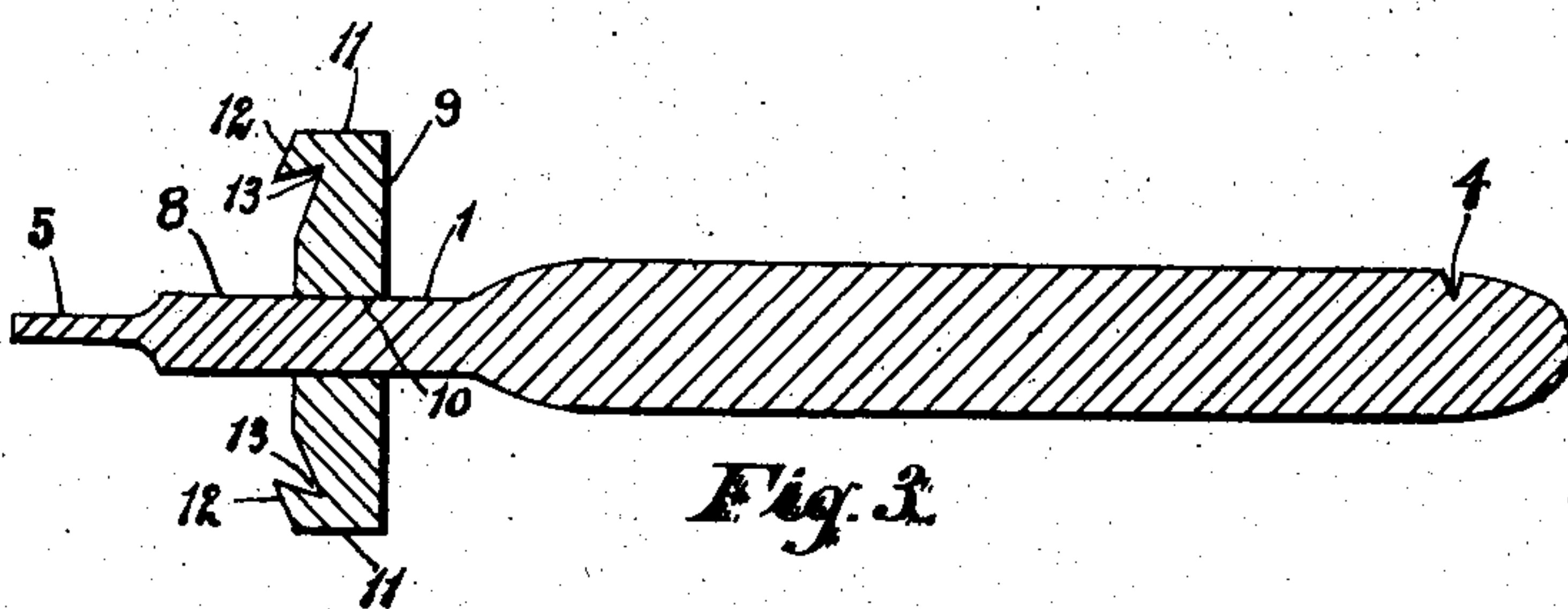


Fig. 3.

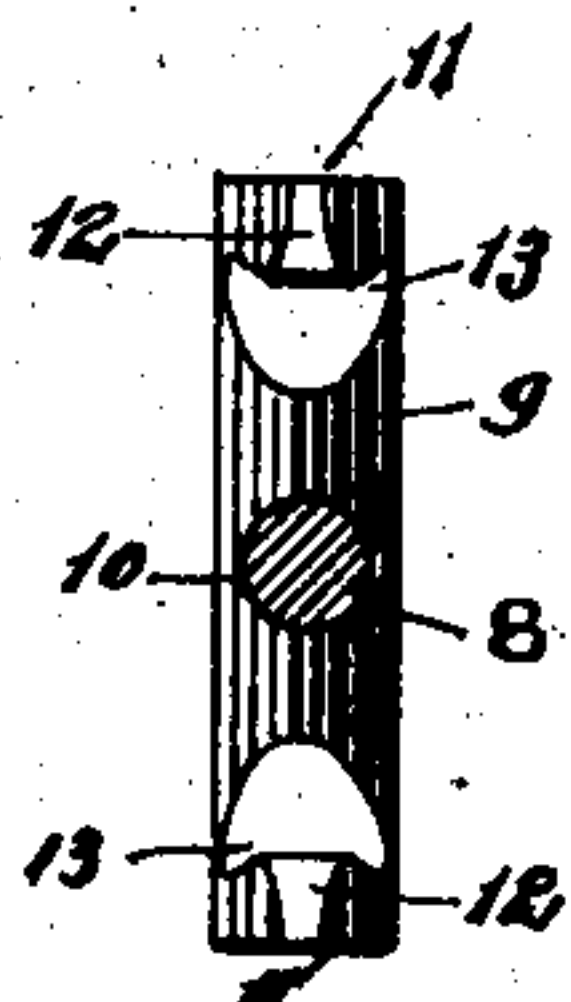


Fig. 4.

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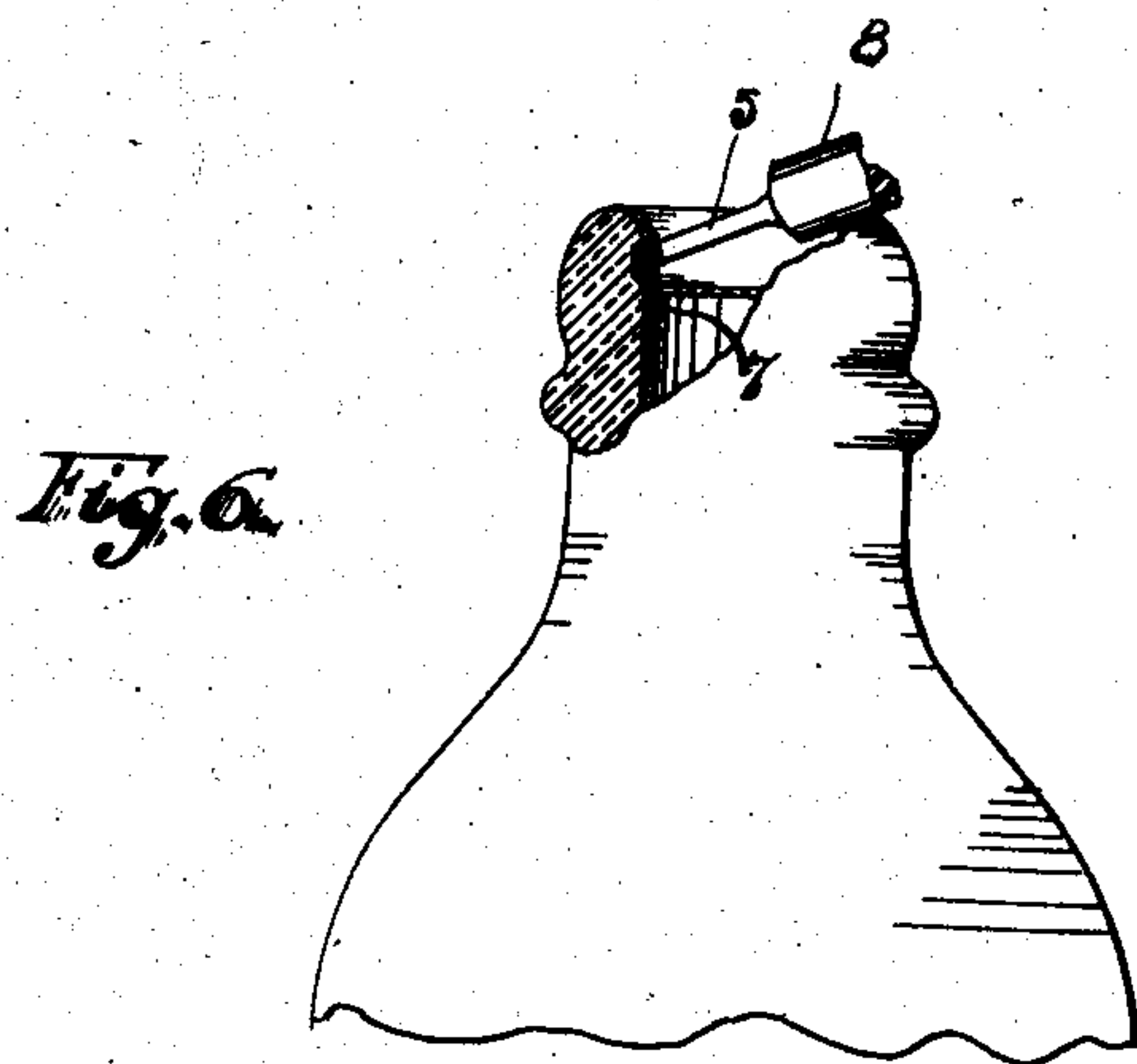
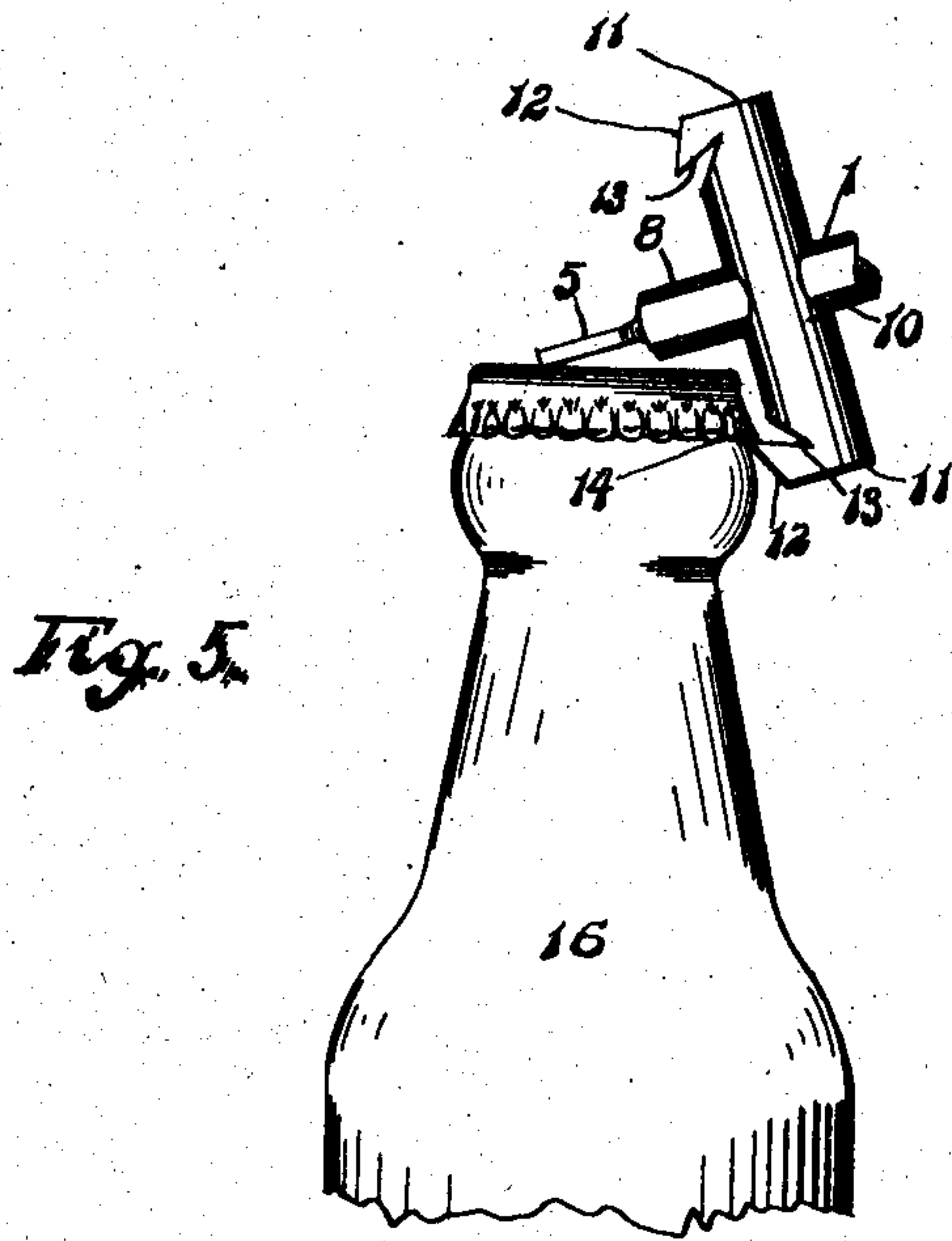
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2 SHEETS—SHEET 2.



WITNESSES
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JOHN L. SOMMER, OF NEWARK, NEW JERSEY.

BOTTLE-OPENER.

No. 833,944.

Specification of Letters Patent.

Patented Oct. 23, 1906.

Application filed May 23, 1906. Serial No. 318,288.

To all whom it may concern:

Be it known that I, JOHN L. SOMMER, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Bottle - Openers, of which the following is a specification.

The objects of this invention are to provide a convenient implement for extracting or removing stoppers from bottles, particularly the metal caps or stoppers now commonly used, to secure a cheap and efficient construction, to provide space upon the implement for advertising matter, and to obtain other advantages and results as may be brought out in the following description.

Referring to the accompanying drawings, in which like numerals of reference indicate corresponding parts in each of the several figures, Figure 1 is a side view of my improved implement, and Fig. 2 is an edge view of the same. Fig. 3 is a section upon line *x*, Fig. 2; and Fig. 4 is a view on line *y*, Fig. 1, looking in the direction indicated by the arrow. Fig. 5 illustrates the manner of opening one kind of a bottle by my improved implement, and Fig. 6 shows its application to another form of bottle-cap.

In said drawings, 1 indicates the body portion of the implement and which is a single integral piece of metal, preferably formed by stamping a piece of heavy wire into the desired shape. The longer part of said body portion is flattened, as at 2, to provide a handle and at the same time afford space for advertising matter, which may be stamped thereon in any ornamental manner known to the art. The extremity of this handle 2 has tapered or beveled edges 3 to enable it to be used for prying open cigar-box lids and the like, and, furthermore, one edge of said handle, near said extremity, is notched, as at 4, to serve as a tack or nail puller. The opposite end of the body portion 1 has a short flattened extremity 5, adapted to be used for opening that class of bottles which are sealed or closed by a depressed or hollowed cap 6 forced down inside the neck 7 of the bottle, as shown in Fig. 6. The said flattened end of the implement is inserted in the recess or chamber of the sealed end of the bottle to rest upon one edge of the bottle-neck as a fulcrum and at its extremity dig into the side wall of the closing-cap 6, all as will be understood. The said portions 2 and 5 are flattened in planes at right angles to each other for greater

convenience in using the implement, and between the two said portions the body 1 is left cylindrical or slightly tapering, as at 8. Onto this shank portion 8 is forced, before the head 5 is flattened, a cylindrical cross-piece 9, which is apertured for this purpose, as at 10. This cross-piece may be formed of heavy wire and preferably stands in the plane of the flattened handle portion 2, projecting equally on either side of the shank 8. The ends of this cross-piece 9 are flattened, as at 11, and serve very efficiently as hammer-heads to enable tacks, small nails, and the like to be driven into place, as in cigar-boxes. At the side of said cross-piece next the flattened end 5 of the implement each of its arms is provided adjacent to the hammer-head surface 11 with a projection or tooth 12, which is directed toward the body portion of the implement and is preferably formed by simply striking the said cross-piece with a sharp stamping-tool, so as to force the metal up into the tooth 12, and thus cause the same to project beyond the normal surface of the cross-piece. The ends of said teeth are then preferably slightly flattened or grooved, as at 13, Fig. 4, more especially.

The construction just described enables the tool to be used for removing the ordinary seal or cap, which is pressed down over the top of the bottle, as shown in Fig. 5. By resting the flattened extremity 5 on the top of the cap and hooking one of the teeth 12 under the edge of the cap 14 obviously a slight upward movement of the handle of the implement will dislodge the cap from the bottle 16.

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

1. A bottle-opener comprising a body portion and a cross-piece thereon having at its opposite arms lateral teeth directed toward the said body portion.

2. A bottle-opener comprising a body portion having a shank, and a cross-piece fitted upon said shank with a tooth forced up out of its side in the plane of said body portion and shank and directed toward the body portion.

3. A bottle-opener, comprising a body portion having a shank, a cross-piece apertured to receive said shank and arranged upon the same at a distance from the end of the body portion, said cross-piece having teeth upon its side next the said end of the body portion directed toward the body portion.

4. A bottle-opener comprising a body portion having a wire shank, and a cross-piece also of wire, one of said parts being transversely apertured to receive the other, and
5 said cross-piece having lateral teeth struck up therefrom which are directed toward the body portion.

10 5. A combination bottle-opener, comprising a body portion having a flattened extremity, and a cross-piece mounted thereon adjacent to said flattened end having upon its side next thereto a tooth directed toward the body portion and adapted to engage the edge of an exterior bottle-cap.

15 6. A bottle-opener comprising a transversely-perforated cross-piece having lateral teeth directed toward each other, and a body

portion having a middle round portion or shank inserted in said perforated cross-piece and flattened ends on opposite sides of said cross-piece. 20

7. A bottle-opener comprising a body portion having a wire shank, a cross-piece of heavier wire perforated to receive said shank and having integral teeth struck up from its sides, said teeth being directed toward the body portion and each having its outer end flattened in a plane transverse with respect to the body portion and parallel to the cross-piece. 25

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Witnesses:

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