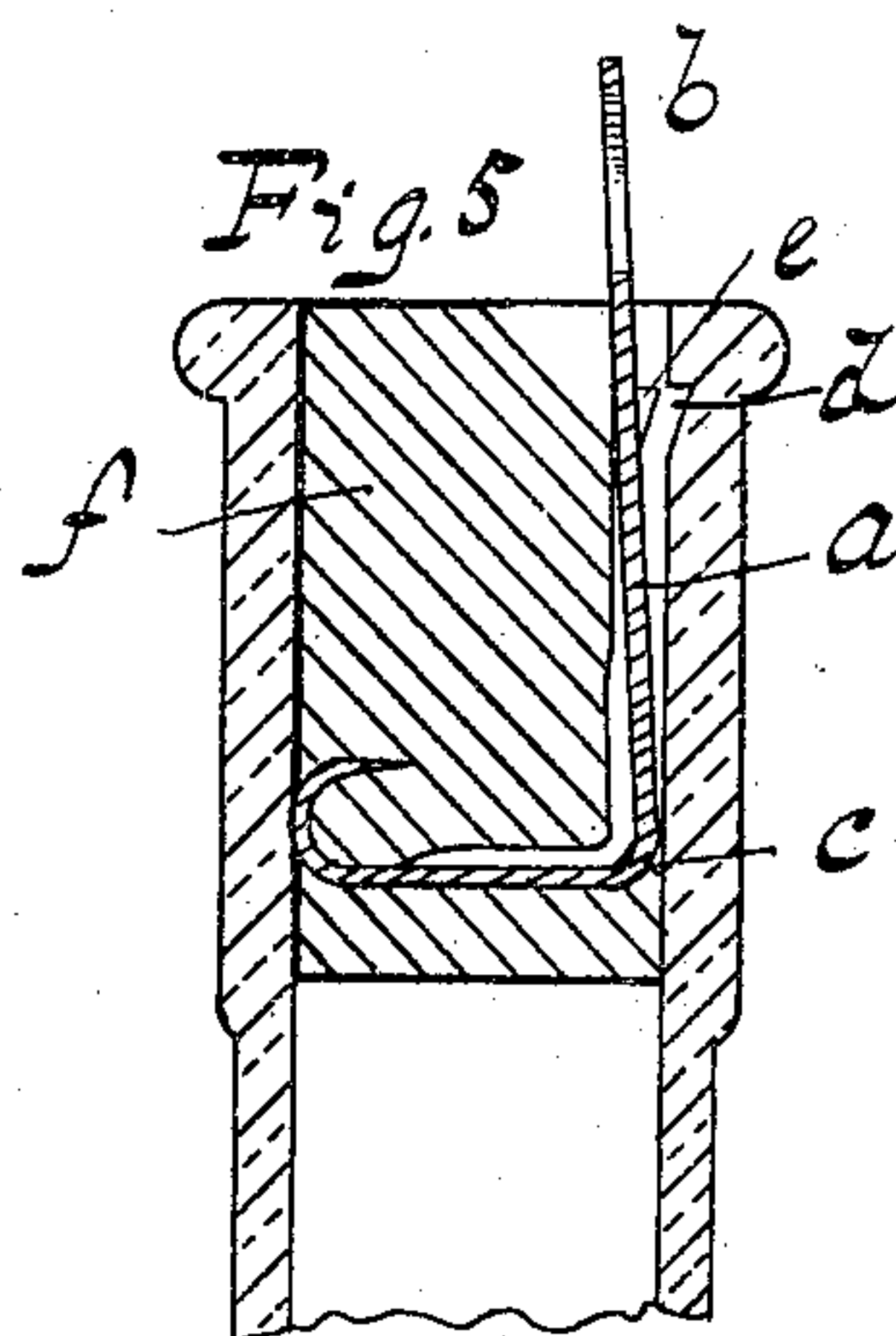
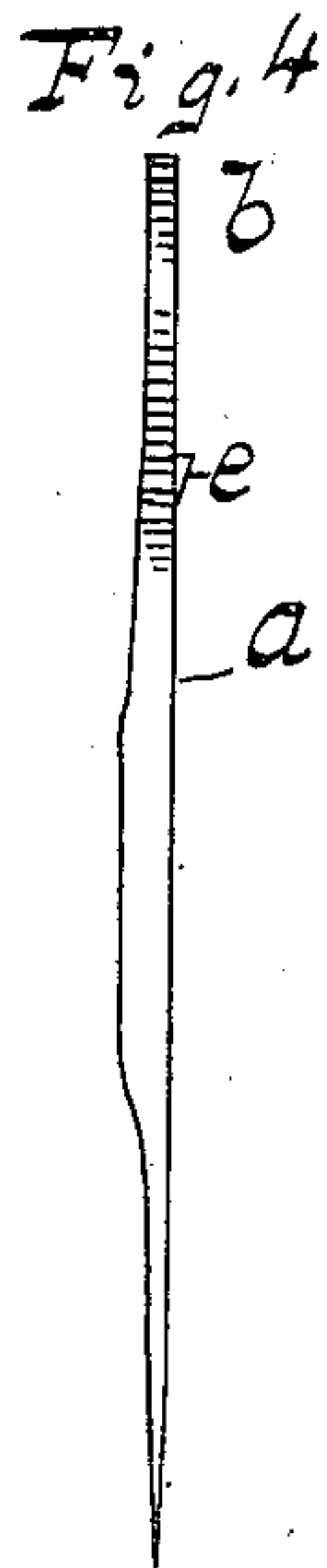
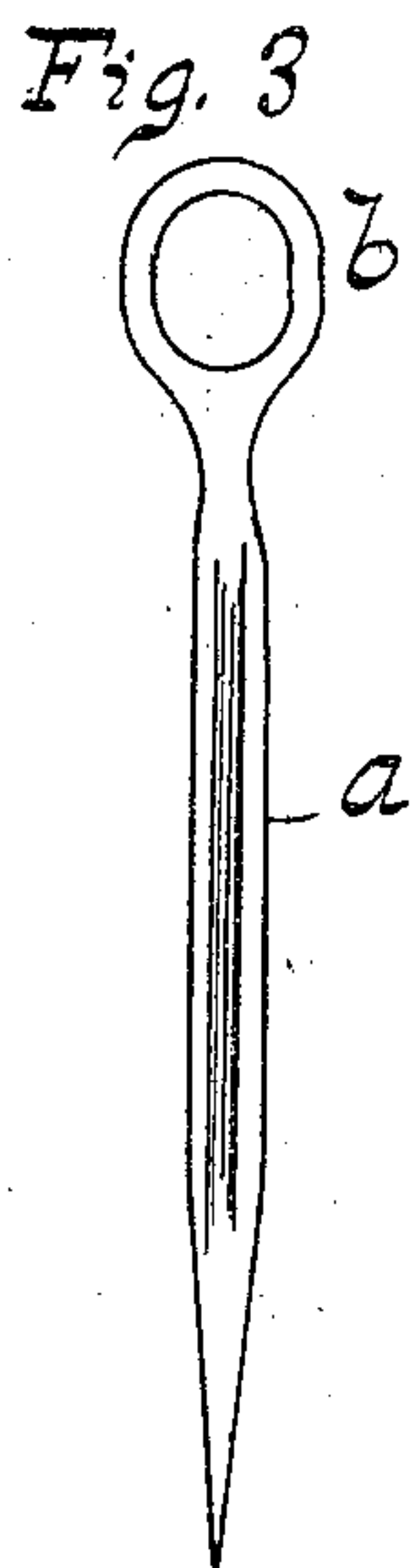
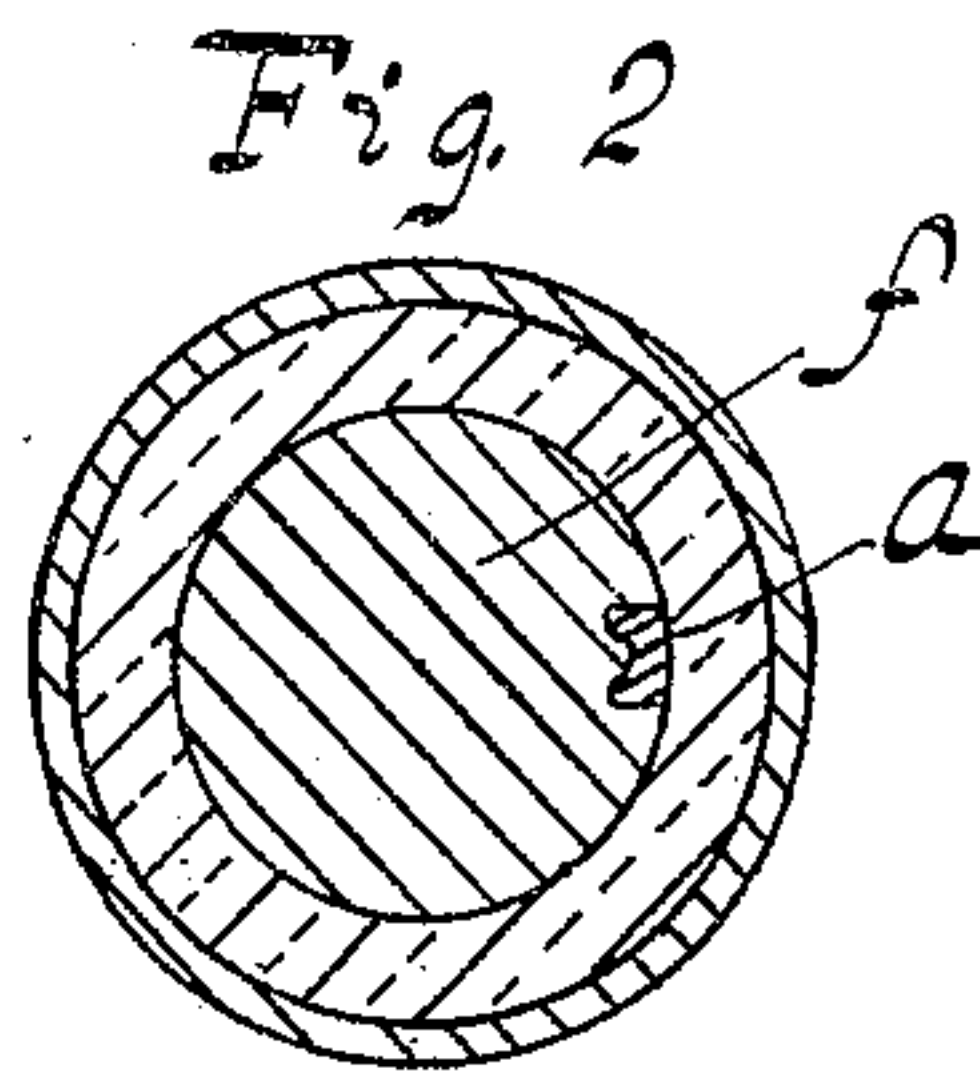
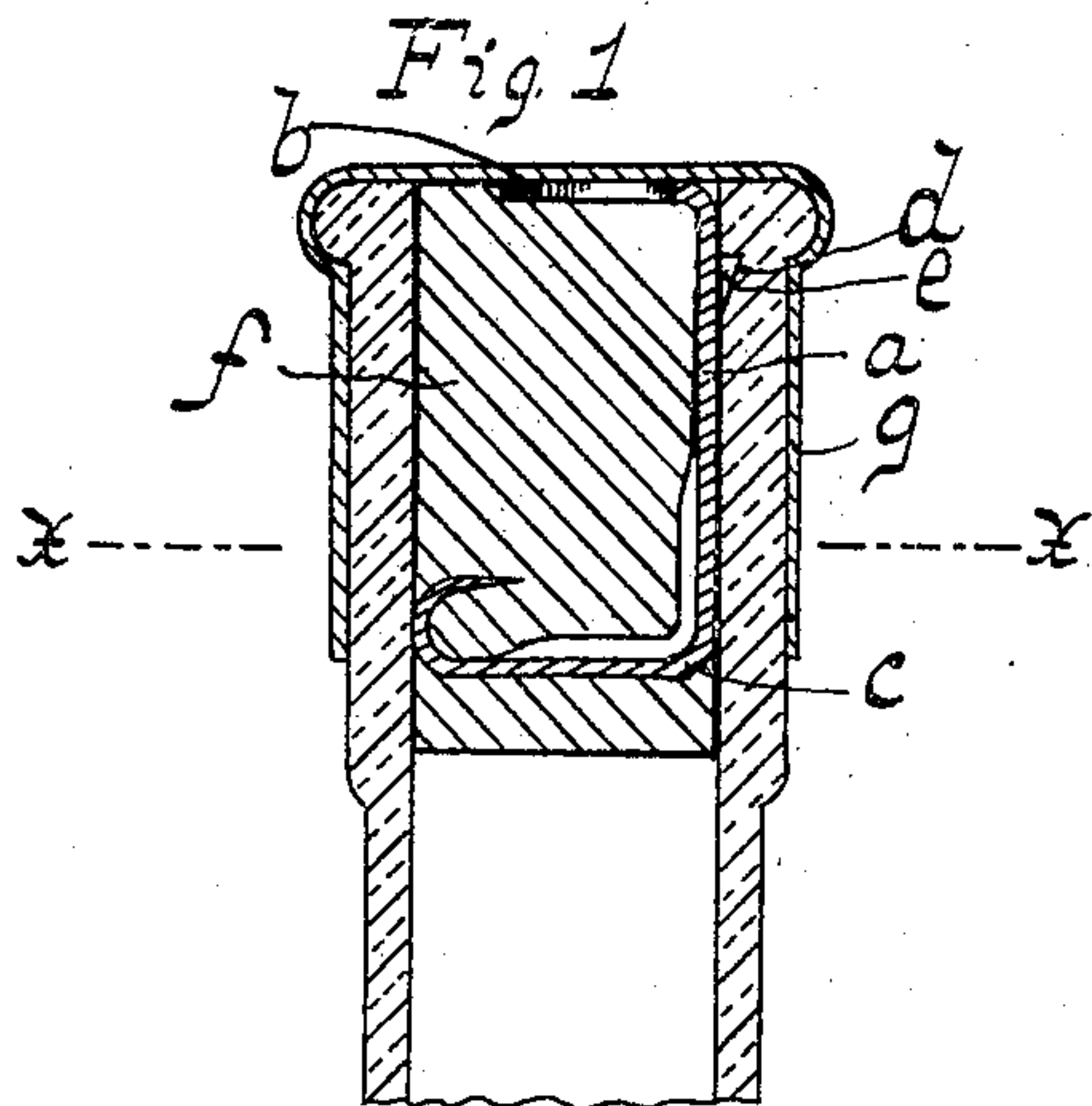


No. 832,540.

PATENTED OCT. 2, 1906.

S. DAVIS.
CORK EXTRACTOR.
APPLICATION FILED MAR. 16, 1906.



WITNESSES:
Edward Wiesner
George Hulsberg

INVENTOR
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UNITED STATES PATENT OFFICE.

SAMUEL DAVIS, OF NEW YORK, N. Y., ASSIGNOR OF ONE-FOURTH TO
GEORGE SECKENDORF, OF NEW YORK, N. Y.

CORK-EXTRACTOR.

No. 832,540.

Specification of Letters Patent.

Patented Oct. 2, 1906.

Application filed March 16, 1906. Serial No. 306,418.

To all whom it may concern:

Be it known that I, SAMUEL DAVIS, a citizen of the United States, residing at Manhattan borough, in the county of New York and State of New York, have invented new and useful Improvements in Cork-Extractors, of which the following is a specification.

This invention relates to a cork-extractor which can be cheaply manufactured and which is not liable to break as easily as those heretofore made.

This invention is set forth in the following specification and claims and illustrated in the annexed drawings, in which—

Figure 1 is a section side elevation of the extractor with cork inserted in a bottle-neck. Fig. 2 is a section along the line $x\ x$, Fig. 1. Fig. 3 is a face view of a cork-extractor. Fig. 4 is a side elevation of Fig. 3. Fig. 5 shows the extractor bent up and in position to pull the cork.

In the annexed drawings the letter a designates a cork-extractor the handle of which is shown at b . The lower part of the extractor is bent into and through the cork f , and a small portion extends through the cork and is then bent or clenched into the same.

The extractor can be flat, but preferably is suitably curved or made with convex and concave faces, so as to conform to the shape of the cork and also of the bottle to fit snug between the same and the cork. The portion of the extractor at the angle c is made thicker, so as to form a reinforce for the same.

The bottle to which this extractor is to be applied has an offset d or rim or channel which is engaged by lock or shoulder portion e . This spur or shoulder portion e is made of one piece with the extractor. For shipping the handle b can be bent onto the cork f , so as to present a smooth surface for seal g .

To extract the cork f , the handle b is pushed or bent toward the cork to disengage the lock or shoulder portion e and then is pulled, or the cork extracted from the bottle.

This extractor can be made of any suitable material—for example, sheet metal or wire.

The extractor is applied to the cork before the same is inserted into the bottle-neck. The cap or seal g , which is customarily used in transporting or shipping, can be applied, if desired.

An advantage of the concave and convex

or bent form of the extractor or stem is that the device is thereby strengthened or given increased rigidity. The angle or bend is thus reinforced as required. The flange formed at each edge by the above convexity will reinforce or give rigidity at the angle or bend, which is a point of considerable strain.

To draw the cork, the ring or upper part of the extractor is bent up from the top of the cork to stand upright, and a stem or rod passed into the eye of the extractor will enable a hold or grip to be obtained for drawing the cork.

The cork can be shaped or recessed at a certain point to facilitate the spur being drawn out of the recess in the bottle or mouth part.

The extractor can be made of metal which after the eye or the point part has been bent back and forth a certain number of times will break, and thus act as a guard against the extractor being used for refilled bottles. The extractor could have the name or mark of a bottler or proprietor stamped on a suitable place.

The clenching or bending of the point is readily done in the contracting-chamber of the corking-machine, but can be done in any desired way. The cork by the clenching operation is secured against reuse. If the extractor should be wrenched out of the cork, the cork is canceled or spoiled for refilling purposes.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A cork-extractor composed of a strip of material, the upper part of the extractor having a lock or shoulder portion for engaging a bottle, and the lower part of the extractor being hooked or bent laterally to enter or engage a cork.

2. A cork-extractor composed of a strip of material, the extractor being shaped to conform to the curvature of the bottle to sit snugly between the same and the cork, the upper part of said extractor having a spur or shoulder portion for engaging a bottle and the lower part of the extractor being bent laterally to enter or engage a cork.

3. A cork-extractor composed of a strip of material, the extractor having a convex exterior to conform to the bottle and a concave interior or face to fit the cork, the upper part of said extractor having a lock or shoulder por-

tion and the lower part of the extractor being made to engage a cork.

4. A cork-extractor with a spur or lock, and a cork having a recess allowing the spur
5 to be moved to releasing position.

5. A cork-extractor composed of a strip of material, the upper part of the extractor having a lock or shoulder portion for engaging a bottle, and the lower part of the ex-
10 tractor being hooked or bent laterally to enter or engage a cork, and be clenched to a side of the cork.

6. A cork-extractor having one terminal secured through and clenched against the
15 cork, and means near the opposite terminal

for locking engagement with the bottle-neck.

7. A cork-extractor formed of a strip of material, one extremity thereof clenched to the body of the cork, a loop at the opposite
20 extremity forming a handle, and means intermediate the extremities for locking engagement with the bottle.

In testimony whereof I have hereunto set my hand in the presence of two subscribing
25 witnesses.

SAMUEL DAVIS.

Witnesses:

EDWARD WIESNER,
GEORGE HULSBERG.