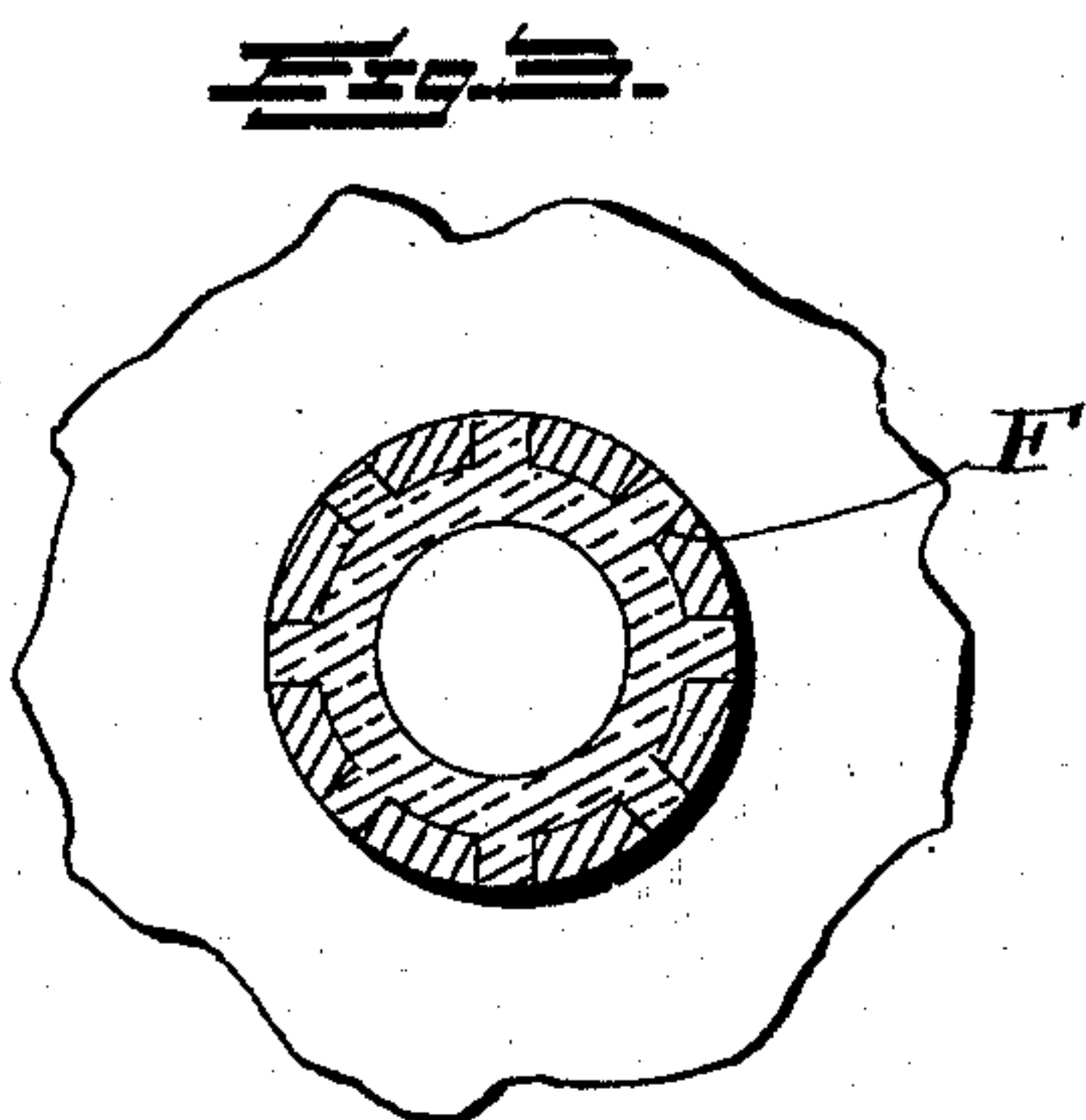
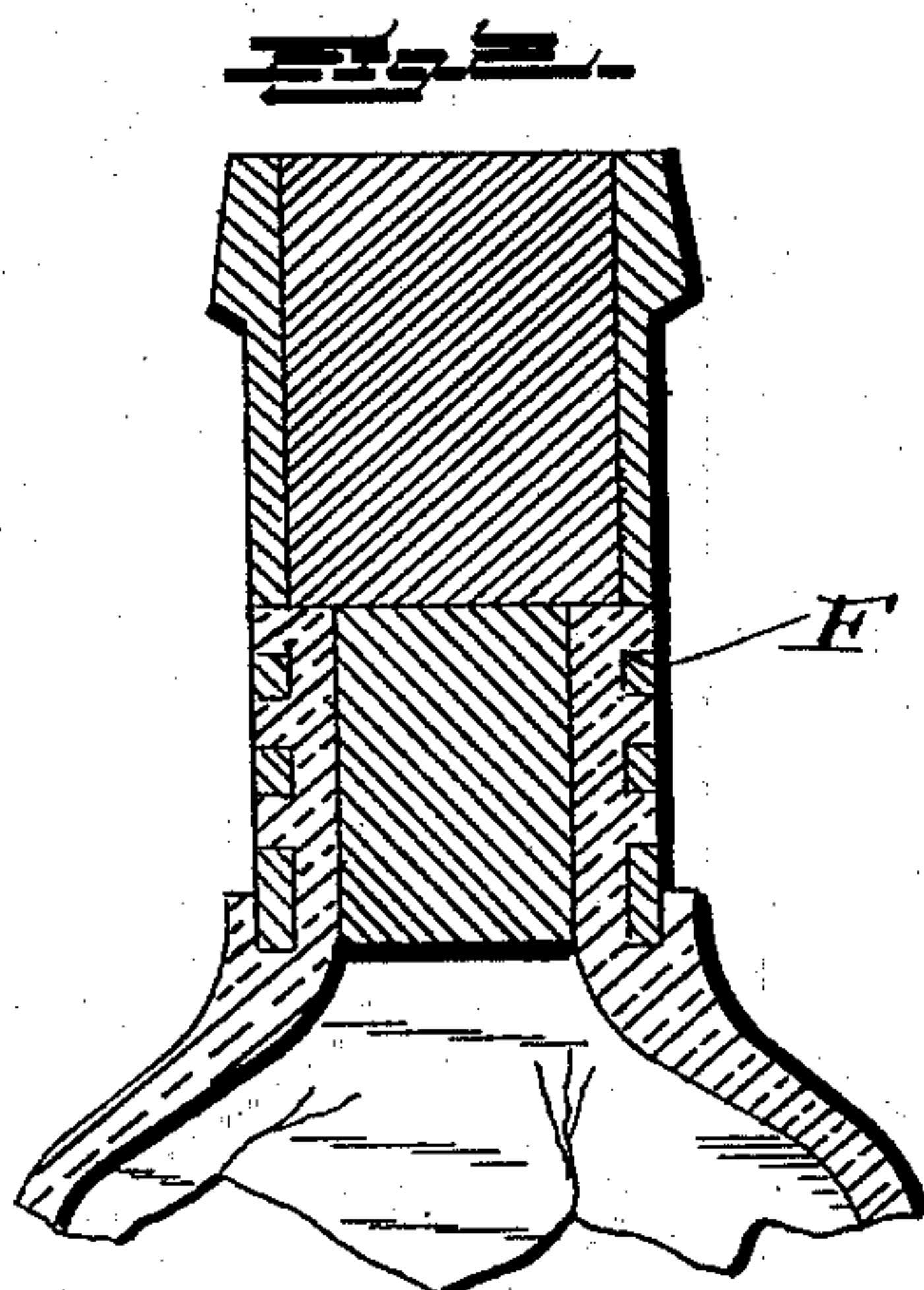
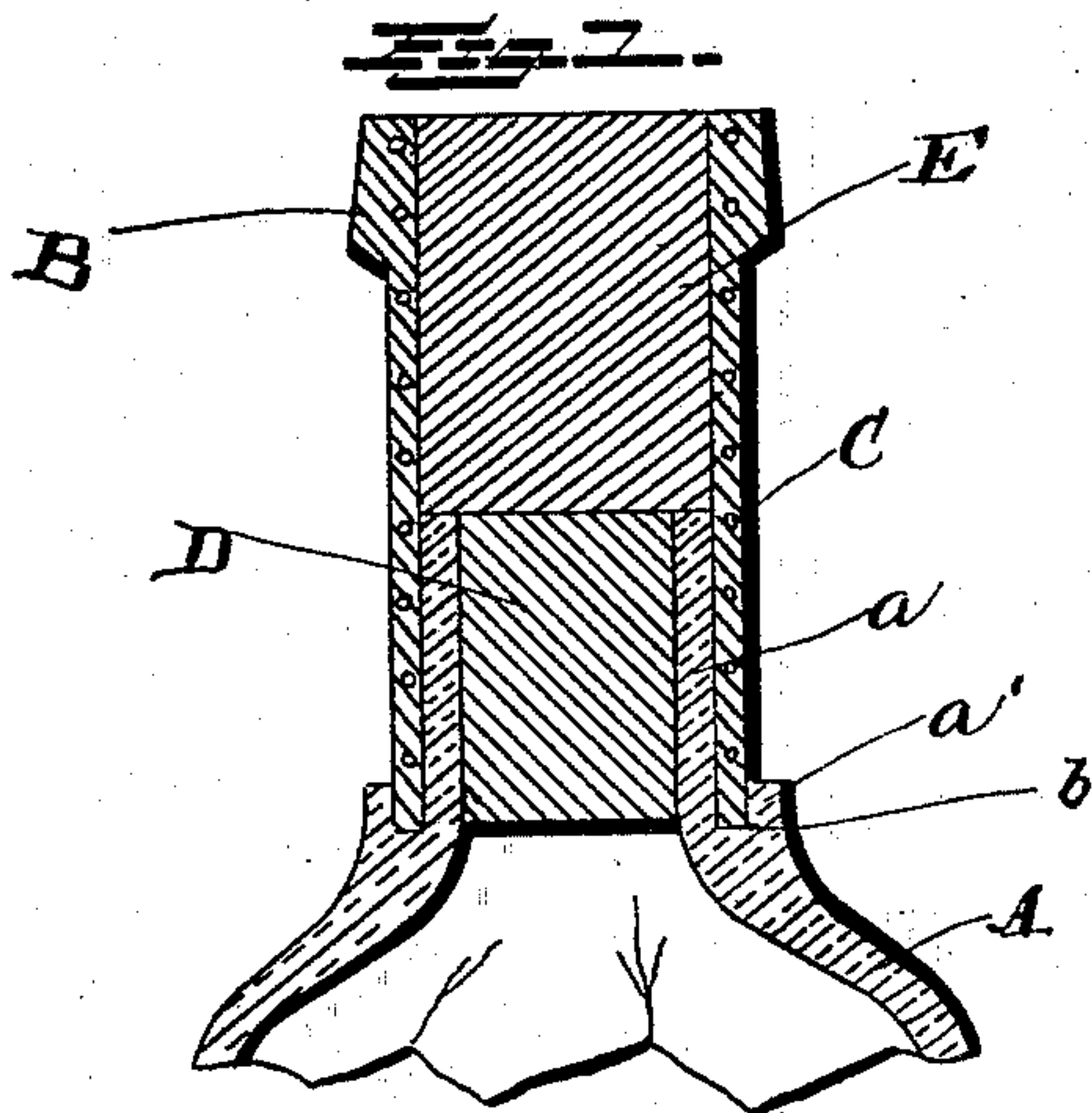


(No Model.)

J. F. POPE.
BOTTLE.

No. 578,770.

Patented Mar. 16, 1897.



Witnesses
Henry T. Mills
K. A. Rau.

Inventor
John F. Pope
By *John Hedderburn*
his Attorney.

UNITED STATES PATENT OFFICE.

JOHN F. POPE, OF OTTUMWA, IOWA.

BOTTLE.

SPECIFICATION forming part of Letters Patent No. 578,770, dated March 16, 1897.

Application filed March 23, 1896. Serial No. 584,487. (No model.)

To all whom it may concern:

Be it known that I, JOHN F. POPE, a citizen of the United States, residing at Ottumwa, in the county of Wapello and State of Iowa, have invented certain new and useful Improvements in Bottles; 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.

This invention relates to certain new and useful improvements in bottles, having for its object, among others, to provide a simple and inexpensive bottle having provision preventing its reuse without detection. I form the bottle with a neck of such a character that when the cork is withdrawn the neck is destroyed.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be specifically defined by the appended claims.

The invention in this instance resides in the peculiarities of construction of the bottle and the novel combinations, arrangement, and adaptation of parts, all as more fully hereinafter described, shown in the drawings, and then particularly pointed out in the claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a vertical section through a bottle embodying my invention. Fig. 2 is a like view of a modified form. Fig. 3 is a cross-section through the neck portion of the bottle seen in Fig. 2.

Like letters of reference indicate like parts throughout the several views.

Referring now to the details of the drawings by letter, A, Fig. 1, is the bottle, which may be of any desired shape and capacity, formed with the neck *a* and the rim *a'* around the lower portion of the neck, leaving a groove *b*, into which is seated the extension B of the said neck, which is formed, preferably, of asbestos with a thin-wire coil C seated therein to give it sufficient stiffness or body, and this extension is slipped down into

the mold, so that when the bottle is blown the glass will be blown around the asbestos at the lower edge and up around the lower end thereof, as shown, so as to hold it to the bottle.

D is the inner cork, placed in the neck *a*, and E is the upper cork, which is placed within the extension or top B. The inner wall of the extension B is provided with a coating of glue or analogous adhesive substance, and when the outer cork is placed in position it is dampened. When the cork-screw is inserted into the outer cork to withdraw it and pulled, the whole of the extension or artificial neck is destroyed. The bottle can be put in a form when the outer cork is applied.

In Fig. 2 the extension or artificial neck is shown as formed with a plurality of holes F, so that when the bottle is blown the glass will extend through the said holes and thus the extension will be securely affixed to the bottle and cannot be displaced without destroying it, nor can another be put in its place after the outer cork has been withdrawn.

I may use papier-mâché for the outer cork instead of an ordinary stopper, and when in place the bottle will be stopped absolutely air-tight.

Modifications in detail may be resorted to without departing from the spirit of the invention or sacrificing any of its advantages.

What is claimed as new is—

1. A bottle provided with an artificial neck of asbestos having a strengthening-wire embedded therein said neck being molded into the glass of the bottle, substantially as specified.

2. A bottle provided with an artificial neck provided with openings and molded to the bottle with the glass thereof projecting through said openings, as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JOHN F. POPE.

Witnesses:

BENJ. M. WORK,
W. R. LEWIS.