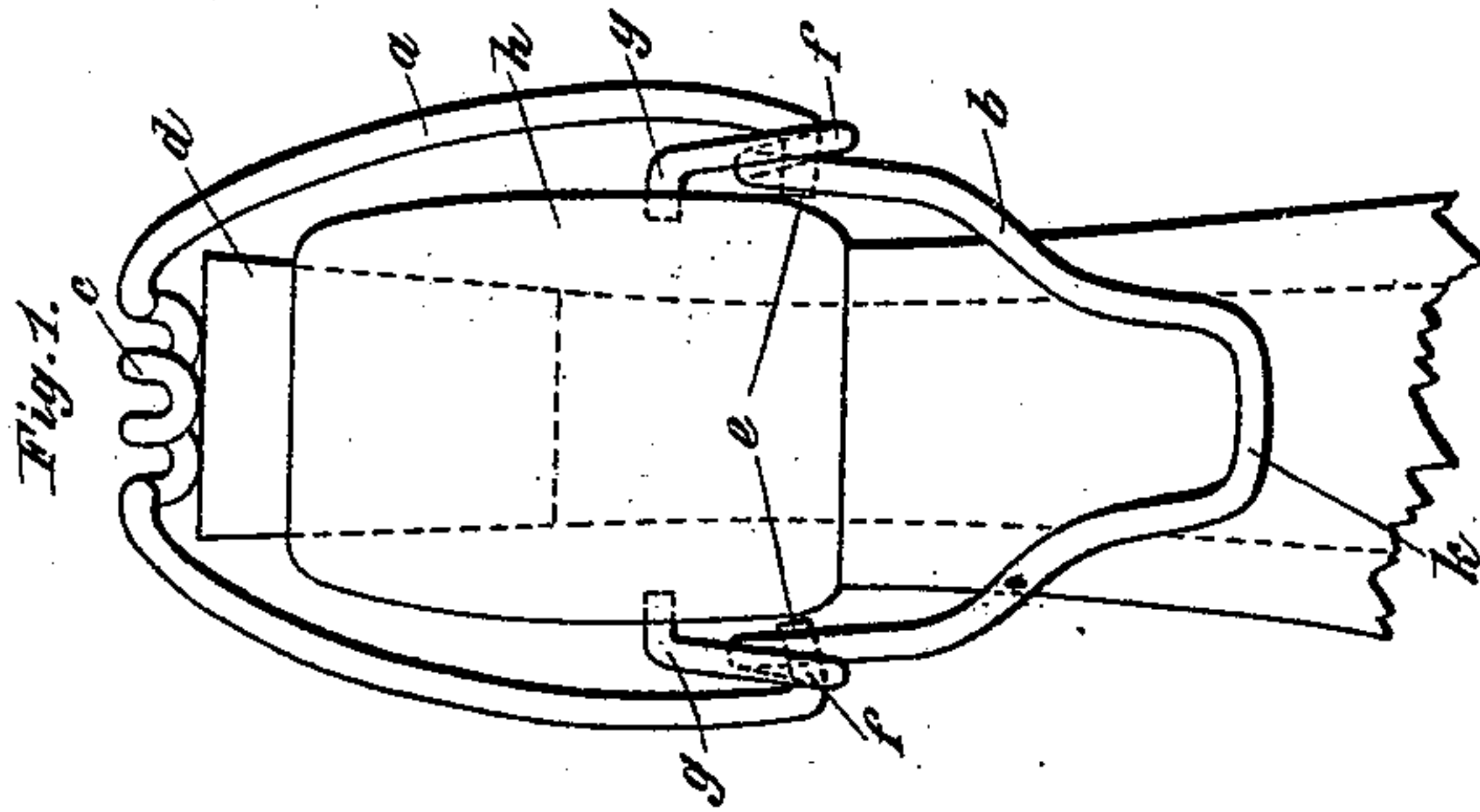
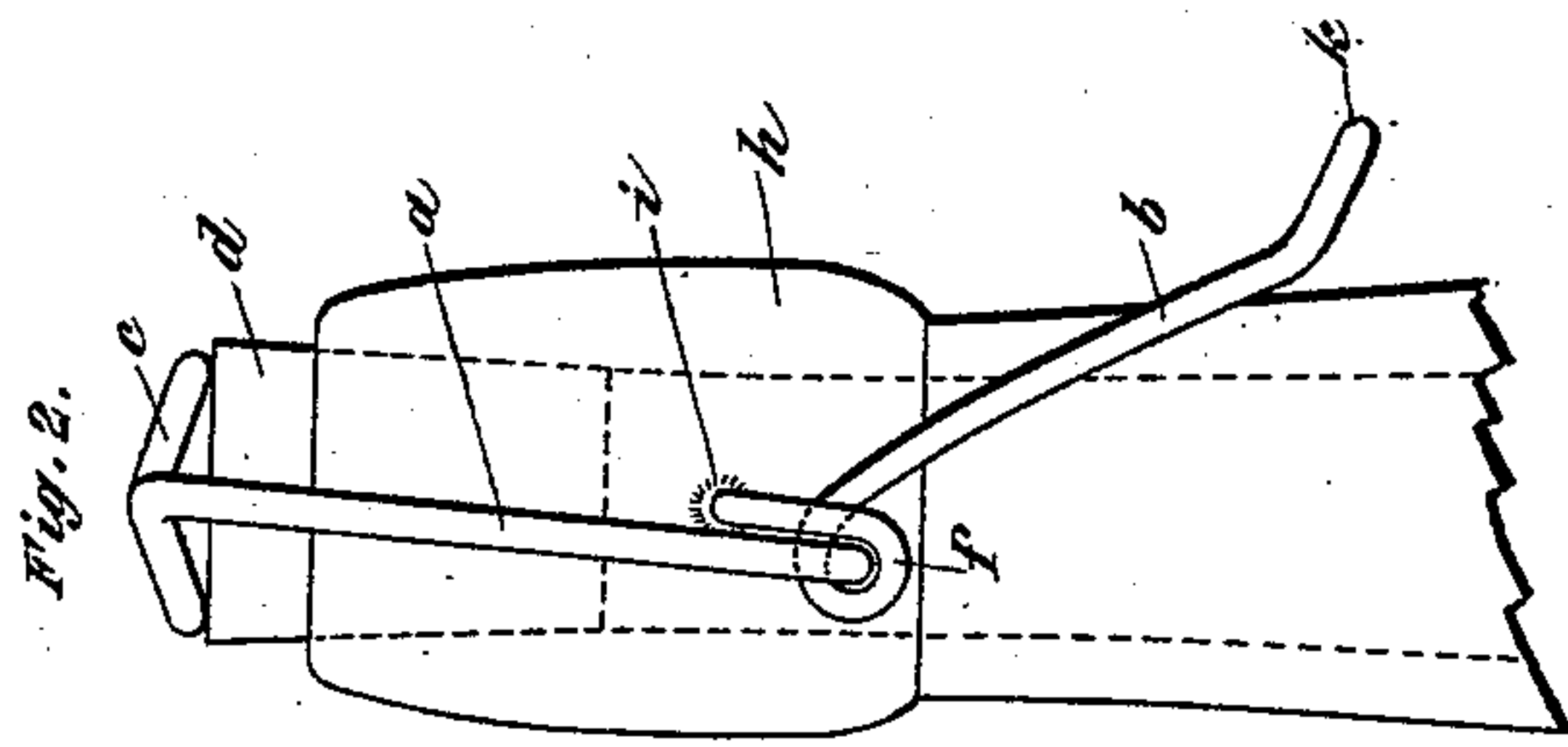
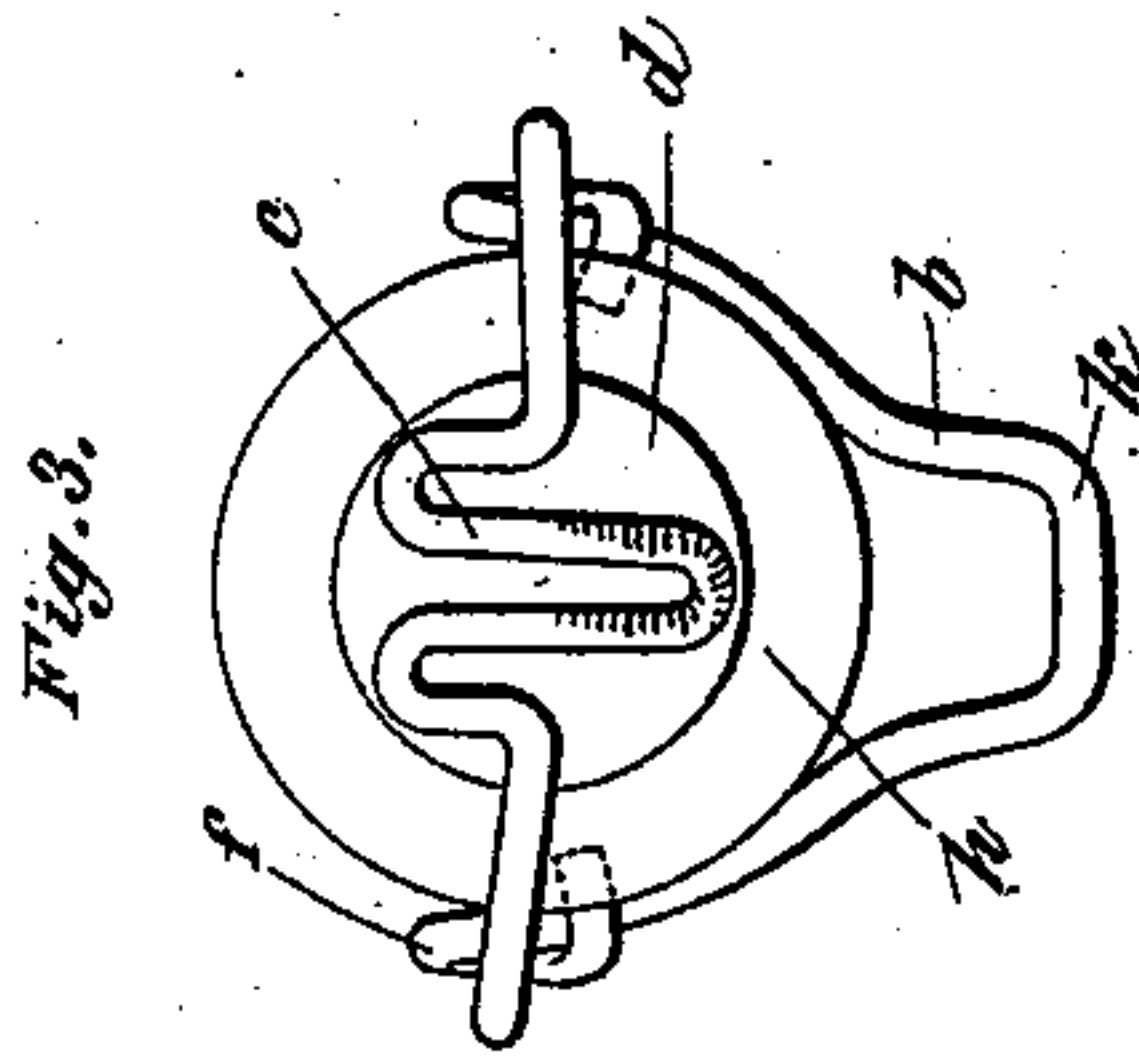


(No Model.)

F. A. MAQUET.
BOTTLE STOPPER.

No. 541,623.

Patented June 25, 1895.



Witnesses:
W. D. Gottwald
Edmund A. Franke

Inventor
F. A. Maquet
by Graham & Low, Attys.

UNITED STATES PATENT OFFICE.

FELIX ANTON MAQUET, OF DRESDEN, GERMANY.

BOTTLE-STOPPER.

SPECIFICATION forming part of Letters Patent No. 541,623, dated June 25, 1895.

Application filed August 27, 1894. Serial No. 521,426. (No model.) Patented in Austria-Hungary October 2, 1893, No. 28,440 and No. 56,504, and in England August 9, 1894, No. 15,199.

To all whom it may concern:

Be it known that I, FELIX ANTON MAQUET, of Dresden, in the Kingdom of Saxony, German Empire, have invented a new and useful
5 Bottle-Stopper, (patented in Great Britain August 9, 1894, No. 15,199; in Austria October 2, 1893, No. 28,440, and in Hungary October 2, 1893, No. 56,504,) of which the following is a specification, reference being had
10 therein to the accompanying drawings.

The bottle-stopper the subject of this invention is one which is applicable wherever known kinds of stoppers, as porcelain stoppers with india-rubber washers or the like,
15 cannot, or must not, be used, and where it is necessary to close the bottle by means of a cork. This stopper also renders the employment of tying wires over the corks unnecessary in the case of effervescent liquors.

20 In the annexed drawings the subject of the invention is represented, wherein—

Figure 1 is a front view showing the device applied to a bottle. Fig. 2 is a side view of Fig. 1, and Fig. 3 is a plan.

25 The apparatus consists of two wire ties *a* and *b* of which the upper one, *a*, has several turns *c*, which are bent somewhat downward, and are laid over the cork *d*, thereby preventing same from leaving the mouth of the
30 bottle. This tie *a* has hooks *e* at its ends, which fit into eyes *f* formed in the tie *b*. The latter tie, *b*, also has hooks *g* at its ends, which fit into and are supported in holes or recesses *i* provided in the head *h* of the bottle. The
35 tie *b* constitutes a lever, bent at obtuse angles, and possessing a projecting part *k* at its end for the purpose of manipulation.

40 In action, by pressing tie *b* up or down about the hooks *g*, the lever action upon the tie *a*, is such that it is pressed up or down according as tie *b* is moved; and the bent portions or turns *c* therefore, according to the position of the lever or tie *b*, either press the

cork into the neck of the bottle and keep it there, or they liberate it and thereby enable 45 it to be removed.

It will be observed that the turns *c* constitute arms extending from the middle portion of the bail in opposite directions, which, by their formation in having their ends bent or 50 inclined downward, engage the cork at or near its outer edge, leaving the cork free to bulge upward at its middle. The result of this engagement is that the cork is very securely held and lateral displacement of the tie by 55 accident is prevented. Moreover, if the bail be made of wire which is elastic but not too stiff, the arms or turns *c* may have a certain yielding or spring action which will render the operation of the lever more easy and aid 60 in holding it in its locked position.

What I claim, and desire to secure by Letters Patent of the United States, is—

1. A bottle-stopper comprising a wire tie and a lever of which the tie is supported and operated by the lever, and the lever is supported 65 and movable in the head of the bottle, the tie having bends or turns as *c* extending laterally therefrom and bent downward at their outer ends and adapted to press upon the stopper 70 by said ends and keep the same in the mouth of the bottle, or to release it, according to the position of the tie, substantially as described.

2. In a bottle stopper, a swinging bail or tie having laterally extending arms over the cork, 75 and bent downward at their extremities so as to engage the cork by their ends, and means for depressing said tie to engage the cork, substantially as set forth.

In witness whereof I have hereunto set my 80 hand in presence of two witnesses.

FELIX ANTON MAQUET.

Witnesses:

CARL HEINR. BERNHARDT,
HERNANDO DE SOTO.